GARMIN

GARMIN AERA 500 SERIES GPS

The Garmin aera™ lineup of touchscreen GPS portables. Featuring crisp 4.3-inch QVGA wide-format displays with menu-driven tap-and-drag user interface. Transition seamlessly from runways to roadways with the best in Aviation and Automotive moving-map navigation. Leveraging Garmin's industry-leading expertise in integrated systems design, the aera series offers a full range of smart, easy-to-use guidance solutions for today's pilot/motorist. In your aircraft, the aera's detailed Sectional chart-style shaded mapping and extensive terrain and aviation databases (including private airports and heliports) help you visualize your flight path in relation to nearby navaids, terrain, SUAs, obstructions, and so on. For added safety, a database-driven terrain advisory feature offers TAWS-like color coding and pop-up alerts when possible obstructions or ground proximity conflicts loom ahead. Garmin's patented Panel Page affords a reassuring backup to your panel-mounted instruments with its exclusive display of GPS-derived HSI, altimeter, groundspeed, vertical speed and turn indication. Plus, on the aera 550 and 560 models, preloaded Garmin SafeTaxi® charts provide detailed taxiway diagrams and position information for over 950 U.S. airports – while an included AOPA Airport Directory database gives you detailed listings, phone numbers, facilities and fuel location information on over 7,400 U.S. landing sites, as well as airports of entry for Canada, Mexico and the Caribbean. Other premium aera 550/560 features include high-resolution 9 arc-second terrain/obstacle detail, database-derived IFR airways map mode, and more. Further, TIS traffic alerting is supported by all four aera models (through an interface with your aircraft's Garmin GTX 330 Mode S transponder or other compatible third-party traffic devices).

Description	Part No.	Price
aera 510 without XM Receiver/Antenna	10-05777 Americas	$599.00
aera 510 with XM 42 Weather/Antenna	11-13102 Americas	$1,198.00
	11-08051 Atlantic	$999.00

Accessories for the 500, 510, 550, and 560	Part No.	Price
Garmin aera Power Data Cable	11-08088	$59.95
Garmin aera Lithium-Ion Battery	11-08090	$29.95
Garmin Portable Friction Mount	11-08118	$27.75
Garmin aera Yoke Mount	11-08085	$48.95
Garmin aera Cigarette Lighter Audio Cable	11-08086	$48.95
Garmin 496 696 aera USB Cable	11-07503	$13.95
Garmin Vehicle Power Cable	11-08120	$22.95
Garmin GA 27C Remote Antenna	11-00052	$78.50
Garmin GA 26C Suction Cup Mount	11-02685	$21.50
Navishield Garmin aera Series	11-08217	$14.95
Airgizmo Garmin aera Dock	11-08321	$124.95
Glare Wizard for Garmin aera	11-08392	$34.50
Garmin aera Automotive Mounting Kit	10-05521	$27.95

Accessories for the 510 and 560 Only	Part No.	Price
Garmin aera Cigarette Lighter Audio/USB	11-08087	$63.75

Accessories for the 550 and 560 Only	Part No.	Price
Garmin GTM 20 Traffic Cable	11-08124	$111.95

GARMIN AERA 795/796 GPS

Revolutionary new 3D Vision technology shows a virtual 3-D behind-the-aircraft perspective of surrounding terrain derived from GPS and the onboard terrain database – a feature previously only available in our panel-mount avionics. Simply slide your finger across the touchscreen to rotate the view and show land and water features, obstacles, runways and airport signposts in relative proximity to the aircraft. Internal GPS provides position updates at a rate of 5 times per second (5 Hz). aera 796's bright 7" diagonal high-definition sunlight-readable display makes detailed mapping easy to see in any lighting conditions and works in both portrait and landscape mode. The physical design has been optimized to fit on the yoke or for use as a knee-mounted device. There are only 4 touch keys on the bezel representing "Back", "Menu", "Direct-to" and "Nearest" for quick navigation to the most frequent used functions. All other functions are quickly accessed through Intuitive onscreen icons with labels. This unique touchscreen interface even allows you to quickly pan across the map screen and pinch to zoom. Fullfills the role of either a Class I or Class II electronic flight bag, greatly reducing the need to rely on paper charts in the cockpit. Initial georeferenced VFR sectional and IRF enroute charts come preloaded that show your aircraft's position overlaid directly on the relevant chart. When in IFR map mode, the 796 can display victor airways, jet routes, minimum enroute altitudes and leg distance, much like what's found on traditional enroute charts.

aera 796 Americas without XM Weather...................................... P/N 11-12654 ....**$1,499.00**
aera 796 Americas with GMX 42 .... P/N 11-12870 ....**$2,098.00**

Accessories	Part No.	Price
795/796 Power Data Cable	11-10044	$59.95
795/796 AC Power Home Dock	11-10045	$139.50
795/796 Carry Case	11-10046	$49.95

Accessories	Part No.	Price
795/796 Battery Pack	11-10047	$178.95
795/796 Lap Mount	11-10048	$46.95

GARMIN GMX 42 SIRIUS XM RECEIVER/GMX 40

Check the weather and listen to satellite radio with this receiver and a subscription to SiriusXM™ services. To set up, simply position the antenna and then connect it to your device. At this time, the GXM 42 is only compatible with the aera™ 796.

GMX 42 .... P/N 10-05525 .... **$599.00**

GARMIN AERA 660 GPS

Affordable feature-rich navigation, stunning display and streamlined database updating. This compact 5-inch capacitive touchscreen boasts a bright, sunlight readable display complete with rich, interactive maps and a built-in GPS/GLONASS receiver that can be viewed in portrait or landscape modes for optimum customization. The aera 660 encompasses many of the features of the renowned aera® and GPSMAP® aviation portable series, adding Connext® wireless capabilities, Garmin WireAware™ wire-strike avoidance technology and more. Cost-effective database options along with built-in Wi-Fi® database updating capabilities allow customers to more easily access the most up-to-date data, including daily U.S. fuel prices. Bluetooth® supports the display of ADS-B "In" traffic and weather1 from a variety of sources, including the GDL® 39/GDL 39 3D, Flight Stream and the GTX 345 ADS-B transponder. ....North America ....P/N 10-06025 ....**$749.00**

Accessories

Aera 660 Aviation Cradle, CLA - Aviation Mount with Power Cable and Audio Jack.. P/N 10-06027 ....**$59.95**
Aera 660 Aviation Cradle Bare Wires - Connect the bare wires to a panel mount to transfer data .... P/N 10-06028 ....**$59.95**
Aera 660 Aviation Cradle GDL - Receive ADS-B benefits with this connected mount... P/N 10-06029 ....**$59.95**
Aera 660 Ball and Socket Mount Kit.. P/N 11-14476 ....**$32.80**
Aera 660 Rectangular Base with 1 inch Ball Mount .... P/N 11-14474 ....**$9.50**
Aera 660 Home Dock .... P/N 11-14477 ....**$28.50**
Aera 660 Orentiation Yoke Mount .... P/N 11-14478 ....**$48.75**

AV

Prices Subject to Change Without Notice

GARMIN

GARMIN D2 DELTA AVIATOR WATCHES

42MM SAPPHIRE WHITE GOLD

The D2 Delta S watch features a stylish rose gold-tone bezel and is lighter, sleeker and smaller than previous D2 models. At 42mm, D2 Delta S is ideal for smaller wrists and comes with a beige leather strap that effortlessly transitions from the cockpit to a night out.

The D2 Delta series seamlessly integrates with select Garmin avionics to achieve a harmonious, connected cockpit. D2 Delta can connect wirelessly to the Garmin Pilot™ app as well as the GTN™ 650/750 touchscreen navigator series or the G1000® NXi integrated flight deck via Flight Stream 510 to enable wireless flight plan transfer to the watch. When connected, all models in the new D2 Delta series can receive additional information from compatible avionics, including GPS position information, altitude, airspeed, groundspeed, magnetic heading, outside air temperature and more.

Features: • Aviation functions include dynamic mapping, NEXRAD weather, airport data, automatic flight logging, alerts, connectivity with select avionics and more. • Smart notifications5 help you keep in touch on the go, while sport watch functions offer wrist-based heart rate, activity profiles, fitness tracking and more. • Easily store and play up to 500 songs on your watch, and connect with an audio panel, headsets or headphones (sold separately) equipped with Bluetooth® technology for phone-free listening. • Garmin Pay™ contactless payment solution lets you make convenient payments with your watch, so you can leave your cash and cards at home. .... P/N 11-16462 ....$899.00

47MM SAPPHIRE BLACK

The D2 Delta watch measures 47 mm and incorporates a silver titanium bezel as well as a premium brown leather strap.

The D2 Delta series seamlessly integrates with select Garmin avionics to achieve a harmonious, connected cockpit. D2 Delta can connect wirelessly to the Garmin Pilot™ app as well as the GTN™ 650/750 touchscreen navigator series or the G1000® NXi integrated flight deck via Flight Stream 510 to enable wireless flight plan transfer to the watch. When connected, all models in the new D2 Delta series can receive additional information from compatible avionics, including GPS position information, altitude, airspeed, groundspeed, magnetic heading, outside air temperature and more.

Features: • Premium GPS aviator watch with wrist-based Pulse Ox sensor tracks blood oxygen saturation (D2 Delta PX model only). • Aviation functions include dynamic mapping, NEXRAD weather, airport data, automatic flight logging, alerts, connectivity with select avionics and more. • Smart notifications5 help you keep in touch on the go, while sport watch functions offer wrist-based heart rate, activity profiles, fitness tracking and more. • Easily store and play up to 500 songs on your watch, and connect with an audio panel, headsets or headphones (sold separately) equipped with Bluetooth® technology for phone-free listening. • Garmin Pay™ contactless payment solution lets you make convenient payments with your watch, so you can leave your cash and cards at home. ...P/N 11-16463 ....$949.00

DELTA PX - 51MM SAPPHIRE TITANIUM

The premium D2 Delta PX watch features an elegant titanium gray diamond-like carbon (DLC) finish on a large, 51 mm bezel. Especially useful in-flight and during high altitude activities, D2 Delta PX exclusively incor porates wrist-based Pulse Ox to help monitor oxygen saturation levels.

The D2 Delta series seamlessly integrates with select Garmin avionics to achieve a harmonious, connected cockpit. D2 Delta can connect wirelessly to the Garmin Pilot™ app as well as the GTN™ 650/750 touchscreen navigator series or the G1000® NXi integrated flight deck via Flight Stream 510 to enable wireless flight plan transfer to the watch. When connected, all models in the new D2 Delta series can receive additional information from compatible avionics, including GPS position information, altitude, airspeed, groundspeed, magnetic heading, outside air temperature and more.

Features: • Premium GPS aviator watch with wrist-based Pulse Ox sensor tracks blood oxygen saturation (D2 Delta PX model only). • Aviation functions include dynamic mapping, NEXRAD weather, airport data, automatic flight logging, alerts, connectivity with select avionics and more. • Smart notifications5 help you keep in touch on the go, while sport watch functions offer wrist-based heart rate, activity profiles, fitness tracking and more. • Easily store and play up to 500 songs on your watch, and connect with an audio panel, headsets or headphones (sold separately) equipped with Bluetooth® technology for phone-free listening. • Garmin Pay™ contactless payment solution lets you make convenient payments with your watch, so you can leave your cash and cards at home. ...P/N 11-16464 ....$1,249.00

GARMIN GDL® 50 PORTABLE ADS-B / GPS RECEIVER

Note: For use with the Garmin Pilot App and other Garmin Portable systems only. Note 2: GDL 50 can only receive ADS-B information in the USA.

Wirelessly Link to Weather, Traffic, GPS and More

Receive subscription-free animated U.S. datalink weather¹ via ADS-B "In". ADS-B "dual-link" traffic with TargetTrend™ and TerminalTraffic™ technology3. Wireless connectivity for display on select mobile device apps and Garmin portables. Compact device with rechargeable battery; designed to sit on aircraft glareshield. Provides GPS position data, backup attitude and more

Providing an easy-to-use and completely portable aviation datalink, the compact GDL 50 ADS-B receiver lets you access the subscription-free ADS-B weather and traffic services available in the U.S. — all while providing GPS position, speed and altitude information as well as backup attitude reference. Better still, you can use our Connext® wireless connectivity to stream this information onto multiple Garmin aviation portables (including aera® 660, aera 796 or aera 795 series) as well as iPad® tablets and mobile devices with the Garmin Pilot™ app.

GDL-50.. P/N 11-16232...................... **$699.00**
GDL-50R (Remote) .... P/N 11-16233...................... **$799.00**

GARMIN TRADE-IN / TRADE-UP PROGRAM

Trade-in only applies towards a purchase of a new Garmin unit listed below (one unit per trade-in). Trade-in must be complete, having all accessories, and the unit must be in good cosmetic and working condition. Any unit not meeting this requirement can receive a lesser trade-in value or have the unit returned.

1. Purchase a new Aera 796/660.

2. At the time of order, our sales representatives will give you your customer number and order number to use when sending in your trade-in unit.

3. Once you receive your new Garmin unit, please call our customer service number at 800-861-3192 and reference your customer number and order number to receive an RMA to ship your trade-in to Aircraft Spruce and Specialty.

4. After we receive your trade-in, we will verify that the unit is complete and in good cosmetic and working condition. Once verified we will credit you the trade-in value.

Units with missing accessories will add delay to the credit process. Please note that Garmin does not repair the GXM 40 antenna, so all XM GPS units must be working or may be returned to customer.

GDL 39 ....**$200.00**
GPSMAP 695 ....**$500.00**
aera 560 ....**$400.00**
aera 550 ....**$350.00**
aera 510 ....**$250.00**
aera 500 ....**$225.00**

*Verify current trade-in values at time of order by calling 877-477-7823 or email us at info@aircraftspruce.com. We will beat any other supplier's price on any unit. Aircraft Spruce no longer accept the Pilot III, 90 Series, 195, 295, 495 or 496 for trade.

USED GARMIN GPS UNITS

Used Garmin GPS units are subject to availability.
Please call 877-477-7823 for availability and current prices.

Description	Part No.	Price
Used Garmin GPSMAP 695	11-10051	**$700.00**
Used Garmin GPSMAP 696	11-10050	**$775.00**
Used Garmin aera 500	11-09522	**$295.00**
Used Garmin aera 510	11-09521	**$350.00**
Used Garmin aera 550	11-09520	**$475.00**
Used Garmin aera 560	11-09519	**$500.00**

AV

GARMIN PILOT™ AVIATION APP

Garmin is excited to announce Garmin Pilot, a new aviation app for the iPad, iPhone, and Android mobile devices. The app brings Garmin's industry-leading aviation technology to mobile devices; offering pilots complete trip planning, DUATS filing, weather, navigation and electronic flight bag capabilities. Garmin Pilot is the perfect complement to our extensive line of aviation navigation products and services. Garmin Pilot incorporates the intuitive icon user interface and many of the same great features from our other popular products. Pilots will find it very familiar and easy to use. The Garmin Pilot app will help with every facet of your trip - Planning, Filing, and Flying.

Note: Garmin Pilot app only serves USA for charts and navigation. Expanded coverage expected in future.
Pro with Safe Taxi and Geo-Ref Charts ......P/N 13-11867 ....**$149.99**

GARMIN GXM 42 SIRIUS XM RECEIVER

The Garmin GXM 42 portable SiriusXM Aviation weather receiver that when paired with an aera 796 allows pilots to access new weather services made available by SiriusXM's enhanced satellite network. The updated SiriusXM Aviation service gives pilots access to comprehensive weather products as they become available, allowing operators to make educated decisions in-flight as it relates to weather. The GXM 42 is the latest addition to a vast lineup of weather antenna receivers to offer state-of-the-art SiriusXM Aviation information. GXM 42 can also receive SiriusXM Satellite Radio for an additional fee. ....P/N 10-05525 ....**$599.00**

GARMIN USB AVIATION DATA CARD GNS™ SERIES PROGRAMMER

Garmin USB Aviation Data Card Programmer for the GNS series of products. Boasting improved performance and RoHS compliance (allowing global availability), this data card programmer enables customers to transfer terrain and obstacle databases from flygarmin.com with unprecedented speed and efficiency. The data card programmer offers greatly enhanced transfer speeds, ensuring that dealers and customers alike spend less time in front of the computer. When transferring Terrain and Obstacle databases to GNS 430/530 WAAS and non-WAAS data cards, users can expect up to 80% faster transfer speeds. This data card programmer is backwards compatible with previous Terrain data cards, so a data card is not required. ....P/N 10-05931 ....**$69.75**

GARMIN FLIGHT PLAN MIGRATOR KIT

Flight Plan Migrator Kit to include the new data card programmer. This kit will benefit from the speed improvements that this data card programmer delivers. The Flight Plan Migrator Kit will be available in the fourth quarter.
P/N 11-14031 ....**$397.00**

AV

GARMIN GPSMAP 696 / 695 QUICK REFERENCE GUIDE

This reference guide is compatible with the GARMIN GPSMAP 696/695..........P/N 11-07351 ....**$39.99**

GARMIN 296/396 HOW TO DVD

P/N 11-07816 ....**$25.00**

GARMIN HIGH SPEED MULTI CHARGER

Add 2 high-speed USB ports to your vehicle's 12 V outlet without losing the ability to power your compatible device. Use each USB port to charge a phone, tablet or any other device that needs power on the go.
P/N 11-12113 ....**$27.50**

QREF GUIDES FOR GPS UNITS

Now you've got a choice. The quick reference books feature easy-to-use tabbed pages for concise procedures and navigation help in a compact size, prefect for someone who wants complete information or is new to a system. The cards provide all the essential information in a 5" x 8" full-color, hard plastic card for those who are already familiar with their system. Either way, Qref keeps you in the know, quickly and easily.

GPS Model	Card P/N	Price	Book P/N	Price
Garmin aera	13-07064	**$13.99**	13-07063	**$27.95**
GPSMAP 195	13-06355	**$13.95**	13-06291	---
GPSMAP 196	13-06356	**$13.95**	13-06292	**$18.95**
GPSMAP 295	13-06357	**$13.95**	13-06293	**$22.95**
GPSMAP 296	13-06360	**$13.95**	13-06294	**$22.95**
GPSMAP 396	13-06362	**$13.95**	13-06295	**$27.95**
GPSMAP 495	13-06362	**$13.95**	13-06313	**$21.95**
GPSMAP 496	13-06362	**$13.95**	13-06315	**$25.95**
GPSMAP 696/695	13-06363	**$13.95**	13-06316	**$27.85**
GMX200	13-06353	**$13.95**	---	---
GNS 430	---	---	13-06288	**$27.95**
GNS 480/CNX80	13-06418	**$13.95**	13-06289	**$27.95**
GNS 530/430	13-06354	**$13.95**	13-06290	**$27.95**
G1000 Card	13-06417	**$13.95**	---	---
G1000 non WAAS	---	---	13-06423	**$48.95**
G1000 WAAS	---	---	13-06424	**$48.95**
Garmin Cirrus	---	---	13-06425	**$48.95**
AIRMAP 2000C	13-06365	**$13.95**	13-06317	**$21.75**
AIRMAP 600C	13-06364	**$13.95**	13-06318	**$16.95**
AV8OR	13-06348	**$13.95**	13-06287	**$27.95**
AV8OR Ace	13-07066	**$13.95**	13-07065	**$28.95**
GEOPILOT II	13-06347	**$13.95**	13-06286	**$24.95**
EKP-II			13-06285	**$27.95**
EKP	13-06322	**$13.95**	---	---
KLN 89B	13-06368	**$13.95**	---	---
KLN 90B	13-06367	**$13.95**	---	---
KLN 94	13-06366	**$13.95**	13-06422	**$23.95**
KLN GX Series	13-06369	**$17.25**	---	---
Avidyne Entegra version 3-5	---	---	13-06358	**$48.95**
Avidyne Entegra version 6-7	---	---	13-06359	**$48.95**

VISIT OUR WEBSITE FOR A COMPLETE LIST OF QREF GPS GUIDES.

JEPPESEN GARMIN GPSMAP TRAINING CDS

The Jeppesen Training CDS let pilots learn at their own pace, practicing procedures at the comfort and safety of a computer desktop, rather than flying heads-down. Easily and quickly get the users familiar with operations by using a visual hands-on approach.

Description	Part No.	Price
Jeppesen GPSMAP 196 Interactive	11-02442-1	**$52.25**
Jeppesen GPSMAP 296 Interactive	11-02848-1	**$46.70**
Jeppesen GPSMAP 396 Interactive	11-04514-1	**$63.95**

GPS MANUALS

Pilot-friendly manuals are available for most receivers. Our task-oriented manuals are simplified directions that lead you step-by-step through all the GPS operations. Includes descriptions of all pages.

Description	Part No.	Price
Garmin aera 560 Manual	11-10829	**$34.95**
Garmin G300 Manual	11-09130	**$49.95**
Garmin G900X Manual	11-09093	**$54.95**
Bendix/King KLN-90B/900 Guidebook	11-04305	**$45.00**

DYNON DRX PORTABLE DUAL BAND ADS-B RECEIVER

The Dynon DRX is an affordable, dual band ADS-B receiver that fits in your pocket and lasts all weekend on a single charge. Pair the DRX with your favorite mobile app for superior in-flight situational awareness: Get the full traffic picture with ADS-B traffic reception on both 978 MHz (UAT) and 1090 MHz frequencies. In the US, you'll also receive free text and graphical weather from the FAA's network of ADS-B ground stations...........................P/N 10-06726 ....**$349.00**

LEVIL THE ASTRO LINK ADS-B RECEIVER

Get into the skies with one of the most reliable wireless avionics module available in the market today. Meet the Astro Link, an affordable portable device that combines a state-of-the-art aviation grade AHRS technology, dual-band ADS-B Receiver, and an internal WAAS GPS for navigation. This USA made device brings peace of mind to every pilot by offering a progressive back-up solution at any time. The Astro Link is capable of driving Synthetic vision displays and provides navigation information you need to turn your tablet into a real glass panel.

This USA made device brings peace of mind to every pilot by offering a progressive back-up solution at any time....P/N 11-17222 ....**$579.95**

GARMIN GTX 35R ADS-B KIT

Advanced ADS-B "Out" Solution for Experimental Aircraft. Integrates with G3XTM series flight displays for fingertip control and squawk code entry. Satisfies NextGen requirement for ADS-B "Out" when paired with a GPS position source. Provides 1090 MHz ES (Extended Squitter) output for operations at any altitude, in airspace around the world. Simplifies installation with remote-mount design that saves panel space. Offers low power consumption and enhanced reliability...............................P/N 11-14575 ......**$2,199.00**

GARMIN GTX 45R KIT

Complete ADS-B Solution for Experimental Aircraft. Integrates with G3XTM series flight displays for fingertip control and squawk code entry. Satisfies NextGen requirement for ADS-B "Out" when paired with a compatible GPS position source. Provides 1090 MHz ES (Extended Squitter) output for operations at any altitude, in airspace around the world. Supports dual-link ADS-B "In," which provides the most complete traffic picture, plus subscription-free weather on select avionics, mobile devices and portables[1]. Streams weather, traffic, GPS position and backup attitude via Connext® to Garmin Pilot™ and ForeFlight Mobile apps as well as aera® 795/796 and aera 660 portables.

P/N 11-14574 ......**$3,499.00**

TRIG TN70 ADS-B SYSTEM

If you already own a suitable Trig transponder then our TN70 kit is the easiest way to meet the mandate. The TN70 includes a certified WAAS GPS and companion WAAS GPS antenna, designed to enhance your aircraft via a simple install that will deliver excellent ADS-B Out performance. If you need a Trig transponder to complete your TN70 ADS-B solution, then simply add one of our class leading products certified to FAA TSO C166b, the latest ADS-B standard. A Trig transponder is the hub of an ADS-B Out system, using 'extended squitter' to communicate with ground stations and suitably equipped aircraft. It's worth remembering; if you intend to use ADS-B In to access ADS-B ground services (TIS-B and FIS-B) then a compliant ADS-B Out must be installed. A Trig transponder is an ideal way to ensure your ADS-B Out is compliant.

TN70..P/N 11-13061 ......**$1,817.00**
TN70 with custom harness..........................P/N 11-13303 ......**$1,842.00**

TRIG 2020 ADS-B BUNDLE

Many pilots are equipping with ADS-B and Trig provides solutions for both certified and uncertified aircraft owners. Trig's 2020 ADS-B Bundle, for light-sport, experimental and home builders. Trig's ADS-B kit contains all the certified components needed to allow flight in 2020 rule ADS-B airspace for these aircraft types. The ADS-B Bundle features; Trig's highly popular TT22 compact transponder, the latest TN72 X GPS Position Source (certified to TSO-C199) and the matching TA70 GPS antenna. This provides a fully compatible ADS-B Out solution that meets the requirements of FAR 91.227 for light-sport and experimental aircraft. Customers will save by purchasing the bundle over the regular price.

P/N 11-16299 ......**$2,667.00**

GARMIN GDL 39/393D ADS-B RECEIVER

The GDL 39 portable ADS-B receiver combines a dual-link ADS-B receiver and a GPS receiver into a single unit that streams ADS-B traffic and subscription-free weather to Garmin aviation portables, iPads and a wide array of other mobile devices. The GDL 39 provides wireless support for the aera 796/795 and compatible mobile devices, such as the iPad, via built-in Bluetooth connection. Other Garmin portables including the GPSMAP 696/695 and the aera 500 series can connect to the GDL 39 with a single cable.

Description	Part No.	Price
GDL39 Portable ADS-B and GPS Receiver for GPSMAP696/695	11-10725	$499.00
GDL39 Portable ADS-B and GPS Receiver for GPSMAP396/496/495	11-10726	$499.00
GDL39 Portable ADS-B and GPS Receiver for aera 500 Series	11-10727	$499.00
GDL39 Portable ADS-B and GPS Receiver with DC Power Cable "IPAD" and Android /795	11-10728	$499.00
GDL39 Portable ADS-B and GPS Receiver for aera 796/795	11-10729	$499.00
GDL39 Portable ADS-B and GPS Receiver with Bare Wire "BT"	11-10730	$499.00
GDL 39 Portable Receiver for iPad/Android/795 w/Battery	11-11587	$549.00
GDL39R Remote Mount Remote Mount Portable ADS-B & GPS Receiver	10-05503	$799.00
GDL 39 ADS-B / GPS with Aera 660 Aviation Cradle	11-14882	$598.00
Power/Data Cable,GDL39 to GPSMAP696/695	11-10732	$63.75
Power/Data Cable,GDL39 to GPSMAP 396/496/495	11-10733	$63.75
aera 500 Series Aviation Mount,CLA w/audio, mini-B & GDL39	11-10734	$63.75
Power/Data Cable,Bare Wire,GDL39	11-10735	$63.75
aera 796/795 Aviation Mount,CLA w/audio, mini-B & GDL39	11-10736	$59.95
Battery,GDL39	11-10737	$89.95
GDL 39 Mount	11-10799	$48.95
GDL 39 Carry Case	11-10800	$18.95
GDL 39 Replacement Antenna	11-10802	$29.95

FLIGHTBOX DUAL-BAND ADS-B RECEIVER

FlightBox Dual Band is an in-flight weather and traffic receiver. It receives ADS-B data over both the UAT 978 MHz band and the 1090-ES band, with support for uplink weather and traffic data from FAA ground towers and for direct ship-to-ship traffic from both 1090-ES and UAT-equipped aircraft. Fully Assembled System: This version of FlightBox is sold fully assembled, tested, and ready to run. Simply power it up and fly. One Year Warranty: All factory assembled FlightBox systems come with a one year warranty and one year of technical support.

Description	Part No.	Price
OFS Flightbox Dual-band ADS-B Receiver	11-14763	$325.00
OFS Flightbox Dual-band ADS-B Receiver w/ GPS	11-14764	$360.00
OFS Flightbox Dual-band ADS-B Receiver with Battery Pack	11-14765	$360.00
OFS Flightbox Dual-band ADS-B Receiver with GPS Battery Pack	11-14766	$395.00
OFS Remote Antenna Mount Kit for ADS-B	11-14767	$60.00
OFS Glare Shield Friction Mount for ADS-B	11-14768	$40.00
OFS Remote USB GPS Unit for ADS-B	11-14769	$35.00
OFS Serial Interface for ADS-B	11-14770	$75.00

AV

KING KGX 150R ADS-B UAT RECEIVER

ADS-B Receiver with optional WIFI, best optimized for those who fly above and below 18,000 feet or want to replace their existing transponder with the KT 74 1090 extended squitter transponder. Also includes an integrated ADS-B OUT Compliant WAAS GPS. The KGX 15OR provides the ADS-B traffic and weather services to non-certified wireless tablet or certified compatible panel display. No external controller is needed.

KGX150R ....P/N 11-15381 ......**$2,595.00**
KT74/KGX150R Package.............................P/N 11-15380 ......**$6,520.00**

UAVIONIX SKYSENSOR INTEGRATED WINGTIP ADS-B IN SYSTEM

The skySensor EXP is the ADS-B in companion to the skyBeacon ADS-B out solution. This experimental-only wingtip ADS-B in receiver provides an easy to install path for dual band ADS-B in. The skySensor replaces your existing aircraft position light and uses the existing mounting location, breaker, and wiring while integrating an LED Navigation and Anti-Collision strobe light. The Wi Fi signal generated allows you to view 978 MHz and 1090 MHz traffic within your existing mobile flight software. Experimental Aircraft Only.

P/N 11-16576 ....$750.00

UAVIONIX TAILBEACON NAV LIGHT ADS-B OUT

uAvionix tailBeacon is the latest all-in-one ADS-B solution from uAvionix. Remove your standard rear position light and replace with the tailBeacon for ADS-B compliance. It is a 2020 compliant, near zero-install, Class B1S ADS-B UAT transmitter and WAAS GPS integrated into a rear position light. The power transcoder decodes replies from legacy Mode C and Mode S transponders. Available for Certified and Experimental aircraft.
Certified Unit

P/N 11-17246 ....
$1,999.00 Experimental Aircraft Only
P/N 11-16575 ......$1,799.00

UAVIONIX SKYBEACON NAV STROBE LIGHT / ADS-B OUT

skyBeacon is a 2020 compliant, near zeroinstall, Class B1S ADS-B UAT transmitter and WAAS GPS integrated into a wing tip position light. The power transcoder decodes replies from legacy Mode C transponders. 14 CFR §91.227 compliant. Smart phone configurable over WiFi. skyBeacon is a revolutionary new way to equip ADS-B. Simply replace your existing navigation light with skyBeacon and you are ADS-B compliant for 2020.
• 2020 Compliance
• Mounts in under 10 minutes
• Lowest total cost of ownership of any ADS-B Out solution
For Certified Aircraft.

P/N 11-16531 ......$1,849.00

UAVIONIX SKYLIGHT - LED NAV LIGHT / STROBE FOR CERTIFIED AIRCRAFT

The Skylight LED Nav Light / Strobe is a wing-tip mounted companion for SkyBeacon TSO Certified. This LED Aviation Green Position Light is TSO certified and serves as an aesthetic match for the opposing wing for aircraft equipped with the skyBeacon ADS-B Out. This unit provides no ADS-B functionality.

P/N 11-17376 ....$600.00

UAVIONIX SKYBEACON WINGTIP ADAPTERS

This adapter (UAV-301) allows installation of the skyBeacon TSO on a number of Cessna Aircraft.

LAV-301 Left................................P/N 11-16946 ....**$100.00**
LAV-301 Right ....P/N 11-16945 ....**$100.00**
VISIT OUR WEBSITE FOR AIRCRAFT AVAILABILITY.

UAVIONIX BUNDLE ECHOUAT WITH SKY-FYX-EXT ALL-IN-ONE RECEIVER

The echoUAT is a Class B1S ADS-B UAT transmitter coupled with a dual-link 1090MHZ / UAT receiver. An integrated Wi-Fi system transmits traffic and weather to popular Electronic Flight-Bag (EFB) applications on iOS and Android, including ForeFlight Mobile. Direct interface support for common EFIS systems such as Dynon SkyView, GRT and MGL. A zero-install, internal wireless monitor decodes replies from legacy Mode C transponders for maximum retro-fit capability. Extensive position source compatibility, including the uAvionix SKYFYX GPS. The echoUAT meets the performance requirements of 14 CFR 91.227. SkyFYX combines a high precision WAAS GNSS sensor with an integrated RAIM processor. Resilient against jamming, spoofing and GPS range errors—SkyFYX provides reliable navigation in challenging environments. SkyFYX is the most affordable ADS-B rule-compliant position source companion for the echoUAT ADS-B transceiver.
All in One ....P/N 11-15210 ......**$1,399.00**
Remote Mount ....P/N 11-15209 ......**$1,450.00**

UAVIONIX SKYFYX-EXT GPS ALL-IN-ONE RECEIVER AND ANTENNA

SkyFYX combines a high precision WAAS GNSS sensor with an integrated RAIM processor. Resilient against jamming, spoofing and GPS range errors—SkyFYX provides reliable navigation in challenging environments. SkyFYX is the most affordable ADS-B rule-compliant position source companion for the echoUAT ADS-B transceiver. The SkyFYX meets the performance requirements of 14 CFR 91.227. For use in Exper imental and LSA aircraft..P/N 11-15215 ....**$571.00**

UAVIONIX SKYFYX GPS SOURCE REMOTE MOUNT RECEIVER

SkyFYX combines a high precision WAAS GNSS sensor with an integrated RAIM processor. Resilient against jamming, spoofing and GPS range errors—SkyFYX provides reliable navigation in challenging environments. SkyFYX is the most affordable ADS-B rule-compliant position source companion for the echoUAT ADS-B transceiver. The SkyFYX meets the performance requirements of 14 CFR 91.227. For use in Experimental and LSA aircraft...............P/N 11-15206 ....**$548.00**

UAVIONIX ECHOUAT ADS-B OUT TRANSCEIVER

Traffic | Weather | 2020 Compliant ADS-B Out. echoUAT is a remotely mounted ADS-B transceiver that provides 2020 compliance, traffic and weather to your EFIS and iPad for the same cost as ADS-B receive-only solutions. For use in Light Sport and Experimental Aircraft. While other companies are looking to cash in on the ADS-B mandate by selling you a new transponder and WAAS GPS, uAvionix is taking a different approach. echoUAT works with your existing avionics, allowing you to put your savings in the fuel tank and fly more. Keep your Mode C transponder (Already have a KT76A, Narco, Garmin Mode C, Apollo, Becker, Funkwerk, Microair or Terra? With the echoUAT wireless transponder monitor, there is no need to replace your existing transponder.) Use your existing WAAS GPS Traffic and Weather to your existing supported EFIS Support for popular iPad and Android Apps.

P/N 11-15205 ....**$999.00**

Prices Subject to Change Without Notice

STRATUS 3 PORTABLE ADS-B IN / GPS / AHRS RECEIVER

Stratus 3 is the simple-to-use, portable wireless receiver that provides subscription-free weather, GPS information, backup attitude, and ADS-B traffic — integrated with ForeFlight Mobile for your iPad, and now including GDL 90 protocol to work with other flight apps.

Features:
• Free in-flight Weather
• Automatic flight data recorder
• Dual band ADS-B traffic
• WAAS GPS unlocks track up and terrain
• 8-hour battery
• Designed, tested and built in the USA

P/N 11-14468 ....**$699.00**

APPAREO STRATUS POWER USB CHARGING PORT FAA-TSO

Plug in with the most affordable TSO-Certified Charging Port.
Enjoy the convenience of USB power in your aircraft panel — delivered by the durable, high-quality engineering that you expect with the Stratus name.
Stratus Power(TM) is a simple, TSO-certified charging port that will keep your phone, tablet, ADS-B receiver and other devices charged and ready.

Features:
• Dual USB-A charging ports (2.5 amps each)
• FAA certified to TSO-C71
• Designed and built in the USA
• Cylindrical shape for easy, drill-in panel installation
• Shielded to prevent any added RF noise in comm radios
• Two-year product warranty ....P/N 11-14946 ....**$349.00**

APPAREO STRATUS ESGI TRANSPONDER AND STRATUS 2I ADS-B RECEIVER

Stratus ESGi is a kit that contains two products: a certified Stratus ESG transponder, and a non-certified ADS-B receiver.
Features:
• 1090ES (Mode S extended squitter)
• Built-in WAAS GPS
• Meets global mandates for ADS-B Out
• Push-button operation
• Easy-to-use interface
• Pressure altitude monitor

Unit with 4ft Harness ....P/N 11-15482 ......**$3,369.00**
Unit with Custom Harness...........................P/N 11-15484 ......**$3,419.00**

APPAREO STRATUS MOUNTING CRADLE

Replacement mounting cradle for Stratus 2, 1S, 2S, 2i, 3, and 3i.

P/N 11-17123 ....**$12.95**

STRATUX PORTABLE ADS-B IN GPS

If you're a pilot, chances are good that you've heard about ADS-B. You probably know that an ADS-B receiver can make flying safer and more efficient by providing real-time weather, traffic, TFRs, and other flight data directly to your iFly 720, 740 and all WiFi enabled tablets and phones! You probably also know that most of the ADS-B receivers on the market are quite expensive. Stratux RXWX is shipped fully assembled; just power it up and fly.

P/N 11-15474 ....**$189.00**
With Suction Mount and Battery Kit
P/N 11-16397 ....**$214.00**

APPAREO STRATUS ESG DIGITAL TRANSPONDER - CERTIFIED AIRCRAFT

Note: This unit must ship to an approved Appareo installer for installation.
The Stratus ESG was designed as a simplified "all-in-one box" solution for 2020 compliance, with non-glass panel aircraft in mind. • ADS-B Out Transponder • Built-in WAAS GPS • GPS antenna included
Stratus ESG is a 1090 MHz extended squitter (ES) transponder with built-in WAAS GPS. Designed with the common 1.65″ tall form factor, it's an easy replacement for your existing transponder. Stratus ESG is a solid state transmitter that provides 310 watts nominal power output. Its modern keypad makes entering a squawk code easy. The convenient VFR button minimizes pilot keystrokes. ....P/N 11-16274 ....**$2,995.00**

VISIT OUR WEBSITE FOR A LIST OF APPAREO INSTALLERS.

APPAREO STRATUS ESG 1090 ES DIGITAL TRANSPONDER - EXPERIMENTAL AIRCRAFT

Note: Unit can only be sold for experimental aircraft.
Stratus ESG was designed as a simplified "all-in-one box" solution for 2020 compliance, with non-glass panel aircraft in mind. ADS-B Out Transponder. Built-in WAAS GPS. GPS antenna included. Stratus ESG is a 1090 MHz extended squitter (ES) transponder with built-in WAAS GPS. Designed with the common 1.65" tall form factor, it's an easy replacement for your existing transponder. Stratus ESG is a solid state transmitter that provides 310 watts nominal power output. Its modern keypad makes entering a squawk code easy. The convenient VFR button minimizes pilot keystrokes.

Description	Part No.	Price
ESG Unit Only	11-14464	$2,795.00
With Custom Harness	11-14467	$2,919.00
With 4 ft. Harness	11-14466	$2,869.00
Interface Kit	11-14673	$148.95
ABS-B Antenna	11-14672	$57.95
Stratus 1S/2S Appareo Interface Kit	11-14673	$148.95
Stratus 2 Appareo Interface Kit	11-16213	$150.00

APPAREO STRATUS ES DIGITAL TRANSPONDER - CERTIFIED AIRCRAFT

Note: This unit must ship to an approved Appareo installer for installation.
The Stratus ES is a 1090 MHz extended squitter (ES) transponder. Designed with the common 1.65″ tall form factor, it's an easy replacement for your existing transponder. Stratus ES is a solid state transmitter that provides 310 watts nominal power output. Its modern keypad makes entering a squawk code easy. The convenient VFR button minimizes pilot keystrokes.
The Stratus ES was built without GPS in order to provide affordable ADS-B Out to aircraft owners who have already invested in WAAS GPS. Stratus ES will make an aircraft rule-compliant when paired with any of the following navigators for 2020 compliance:
• Garmin 430W, 530W, 650, 750
• Avidyne IFD440, IFD540 ....P/N 11-16273 ......**$2,495.00**

VISIT OUR WEBSITE FOR A LIST OF APPAREO INSTALLERS.

APPAREO STRATUS ES DIGITAL TRANSPONDER - EXPERIMENTAL AIRCRAFT

Note: Unit can only be sold for experimental aircraft.
Stratus ES is a 1090 MHz extended squitter (ES) transponder. Designed with the common 1.65″ tall form factor, it's an easy replacement for your existing transponder. Stratus ES is a solid state transmitter that provides 310 watts nominal power output. Its modern keypad makes entering a squawk code easy. The convenient VFR button minimizes pilot keystrokes.
The Stratus ES was built without GPS in order to provide affordable ADS-B Out to aircraft owners who have already invested in WAAS GPS. Stratus ES will make an aircraft rule-compliant when paired with any of the following navigators for 2020 compliance:
Garmin 430W, 530W, 650, 750
Avidyne IFD440, IFD540
ES Unit Only - No Harness..........................P/N 11-15407 ......**$2,395.00**
with 4ft Harness...P/N 11-15408 ......**$2,551.00**
with Custom Harness ....P/N 11-15409 ......**$2,595.00**

AV

NAVIGATION SCREEN PROTECTORS

The Pre-cut navigation screen protectors provide excellent protection from scratches. The anti-glare layer reduces unwanted reflections, increasing contrast, clarity, and viewing comfort even with the use of polarized lenses. This film is thick enough to protect the screen, yet thin enough to have no effect on touch screen sensitivity. Light tack adhesion provides for residue-free removal. Does not require special cleaners. Available for: ADR, Anywhere Map, Avidyne, Apollo, Chelton, Eclipse Avio, Garmin, King, Vista Nav, and more.

Description	Part No.	Price
Flight Bag NAV	11-07140	$21.25
Map LS-800	11-07141	$22.25
CNX-80	11-07142	$13.50
Aspen EFD PRO	11-07143	$16.95
1 pc. Avidyne	11-07144	$28.75
2 pc. Avidyne	11-07145	$48.00
5 pc. Piper Models	11-07146	$72.00
1pc FlightMax 500	11-07147	$14.50
1pc Chelton IDU	11-07148	$16.95
4 pc. 2G-430	11-07149	$43.25
4 pc. 2G-430	11-07150	$57.75
2PC C-P	11-07151	$59.65
1PC G-1000	11-07153	$34.75
1 pc AV8OR	11-08214	$14.85
2PC G-1000	11-07154	$49.85
3PC G-1000	11-07155	$83.75
Garmin 430	11-07157	$12.95
Garmin 480	11-07158	$13.95
Garmin G600/G500	11-07161	$32.85
Garmin 796/795	11-10723	$19.85
Garmin GTN 650	11-10855	$14.95
Garmin GTN 750	11-10854	$17.95
Garmin 696	11-09441	$18.75
Garmin aera	11-08217	$14.95
GMX-20	11-07163	$16.50
GMX-200	11-07164	$18.95
196,296,396,496	11-07165	$13.95
KMD 250	11-07166	$13.75
King KMD550	11-07167	$14.95
CIS-1000	11-07168	$22.25
AV8OR Ace	11-08216	$18.75

EZCLEAR INSTRUMENT CLEANING KIT

This product meets Garmin G1000 Pilot Guide specs for cleaning and is safe to use on glass panels. EZCLEAR Instrument Cleaning provides a safe, effective way to remove fingerprints and dust from glass panels, instruments and more. The kit contains three EZCLEAR Cleaning Packs and one Polishing Cloth; these items have been specifically paired together to ensure safe and effective screen cleaning. Per the instructions, the user wipes the surface with the Cleaning Pack and then dries the area with the Polishing Cloth. The Cleaning Packs are ammonia free, aviation-grade and will not remove or damage any anti-reflective coating. The Polishing Cloth is washable. This kit will last between 3-4 months depending upon frequency of use. P/N 09-02394............**$19.75**

AVIONICS WIRE HARNESS SHOP

We have added an in-house harness assembly shop providing avionics wire harnesses for the experimental market ranging from single avionics units to custom coax cable assemblies to complete panel wiring systems. Our harnesses are all professionally assembled and neatly labeled allowing for easy installation by the customer. Although many of the harnesses are standard and stocked on the shelves for same day shipping, we also offer our customers custom-made harnesses to specific lengths for each wire you will need during installation. When you start working on your avionics panel, rely on our shop's expertise and support for all your harness needs. Contact our Avionics department at 800-826-3160 or visit our website for any questions or requests for quote on our growing list of of avionics units we can provide the harness solutions for.

EZCLEAR AND NAVISHIELD GPS PROTECTOR KITS

The pre-cut Navishield screen protectors provide excellent protection from scratches. The anti-glare layer reduces unwanted reflections, increasing contrast, clarity, and viewing comfort even with the use of polarized lenses. This film is thick enough to protect the screen, yet thin enough to have no effect on touch screen sensitivity. Light tack adhesion provides for residue-free removal.

These EZCLEAR products meet Garmin G1000 Pilot Guide specs for cleaning and is safe to use on glass panels. EZCLEAR Instrument Cleaning provides a safe, effective way to remove fingerprints and dust from glass panels, instruments and more. Click here to see EZCLEAR featured in the February 2011 edition of AOPA Pilot. The kit contains three EZCLEAR Cleaning Packs and one Polishing Cloth.
GPS Protection Kit for Garmin aeras...........P/N 11-09429 ....**$34.25**

GPSMAP 696 & 695 ACCESSORIES

Description	Part No.	Price
Power Data Cable	11-07056	$26.95
Carrying Case	11-07049	$49.95
Lap Mount	11-07050	$49.95
Battery Pack	11-07051	$178.95
Yoke Mount	11-07057	$74.95
US AC Adapter	11-07052	$49.95
Intl. AC Adapter	11-07053	$49.95
12/24V Cig. Plug	11-07054	$28.95
GXM 40 Flange Mount	11-07059	$3.95
MCX to BNC Antenna Cable	11-90210	$24.95
696 Audio Jack	11-07783	$13.95
Airgizmo 695/696 Panel Dock	11-09439	$178.95
Glare wizard for 695-696	11-08027	$36.75

GPSMAP 296, 396, 495, & 496 ACCESSORIES

Description	Part No.	Price
Garmin Power Data Cable	11-02694	$29.50
Garmin Battery Pack	11-04856	$64.95
City Navigator Europe	11-01192	$149.95
GA 26C Remote GPS antenna	11-00051	$78.95
GA 56 Low Profile External Antenna	11-18756	$299.00
GMX 30 Flange Mount with screws	11-06267	$7.25
Cigarette Adapter	11-02696	$24.95
USB Cable	11-02692	$12.95
Carrying Case	11-18863	$24.75
Garmin 512MB Data Card	11-06268	$226.95
Naishield Garmin 495/496 Screen Protector	11-07165	$13.95
Make it Glare Wizard Glareshield for 495/496	11-07939	$34.95

AV

Prices Subject to Change Without Notice

AIRGIZMOS PANEL DOCKS

GARMIN AERA 500 SERIES DASHBOARD MOUNT

Dashboard Mount for Garmin Aera 500, 510, 550, 560. Adjusts easily, like a rearview mirror, so you can position your device for the best viewing angle. Secure the mounting base to your vehicle's dashboard with either permanent or temporary adhesive disks (included). ....P/N 11-09102 ....**$19.75**

AIRGIZMOS GARMIN 695, 696, 795, 796, AERA XM ANTENNA DOCK

Here is the perfect companion to your new Garmin 695, 696, 795, 796, or aera 560 and the AirGizmos Panel Dock. Designed to mobilize your costly XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions.
P/N 11-09118 ....**$74.50**

AIRGIZMOS GARMIN 396/496 ANTENNA DOCK PREMIUM SET

Designed to mobilize your costly 396 or 496 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions. Kit Includes: 2 Cradles, 1 Base, 2 Cables.................P/N 11-09119 ....**$116.75**

AIRGIZMOS IPAD MINI KNEE DOCK

AirGizmos Knee Dock has the ability to adjust the angle of the iPad mini for best viewing angle. This feature cuts down on glare and increases the enjoyment of using the amazing iPad mini in the cockpit.
Mini 3................................P/N 11-12097 ....**$75.75**
Mini 4................................P/N 11-15458 ....**$74.95**

AIRGIZMOS PANEL DOCK SMALL MOUNTING RAIL KIT

For use with small format Panel Docks: 496 Panel Dock, AV8OR Panel Dock, AERA Panel Dock, etc. Mount the Panel Dock™ when you don't have any existing radio stack space available.
P/N 11-12093 ....**$13.95**

AIRGIZMOS AIRMOUNT- MOUNT ONLY

Finally there is a flexible mounting solution for tablet devices. You can leave your tablet in the protective case and still secure it in the aircraft. The AirMount adjusts on three sides, holding your tablet device in any orientation. With several mounting options available to use with the AirMount, this is possibly our most flexible mounting solution yet. ......P/N 11-14561 ....**$69.95**

AIRGIZMOS AIRMOUNT WITH FIXED MOUNT

This device has mounting holes that are the same as a standard 3 1/8" instrument. That means you can use an existing instrument hole and mount one of our surface mount devices to your panel. ....P/N 11-14564 ....**$87.75**

AIRGIZMOS AIRMOUNT WITH SUCTION MOUNT

The AirGizmos Suction Mount holds your iPad securely using a heavy duty suction cup to attach it to your windshield or any other smooth surface. Our Suction Mount is designed to be used in rental aircraft or in planes that do not have enough panel space for one of our panel mount solutions. Included with the Suction Mount are three different lengths of extension arms: 1", 2", and 3", to accommodate just about any mounting situation. ....P/N 11-14561 ....**$69.95**

AIRGIZMOS AIRMOUNT WITH TILT MOUNT

If you need to mount your iPad mini or iPad air in your plane this might be the solution you are looking for. The base mount is designed to be screwed to a panel using a standard instrument mounting holes. The iPad snaps in and is held securely......P/N 11-14563 ....**$96.75**

AIRGIZMOS PANEL DOCK FOR IPHONE 6 & 7

Replace your aging Garmin handheld with an iPhone running your choice of flight software. It is made easy with the iPhone 6 & 7 Panel Dock being a direct replacement for your existing x96 Panel Dock. The iPhone 6 & 7 Panel Dock fits in the same opening as the Garmin x96, and therefore can be used with the AirGizmos Horizontal or Vertical tilt adapters...............................P/N 11-15229 ....**$73.95**

AIRGIZMOS GARMIN ANTENNA DOCK 696/796 PREMIUM SET

Designed to mobilize your costly Garmin 696 or 796 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions. Kit includes: 2 cradles, 1 base, 2 cables. ....P/N 11-09121 ....**$99.75**

AIRGIZMOS GARMIN 696/796 PREMIUM BEAN BAG SET

Designed to mobilize your costly Garmin 696 OR 796 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions. Kit includes: 1 cradle, 1 base, 1 bean bag, 2 cables.
P/N 11-09122 ....**$129.95**

AIRGIZMOS GARMIN 396/496 PREMIUM BEAN BAG SET

Designed to mobilize your costly 396 or 496 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions. Kit includes: 1 cradle, 1 base, 1 bean bag, 2 cables. ....P/N 11-09120 ....**$133.80**

AIRGIZMOS IPAD MINI PANEL MOUNT

Designed to be screwed to a panel using a standard instrument mounting holes. The iPad mini snaps in and is held securely. Length: - 5.53 inches Height: - 8.18 inches Depth: - 1.76 in
P/N 11-12096 ....**$57.95**

AIRGIZMOS PANEL DOCK LARGE MOUNTING RAIL KIT

For use with large format Panel Docks like the Garmin 695/696 and Bendix King AV8OR ACE. Mount the Panel Dock™ when you don't have any existing radio stack space available. ......P/N 11-12095 ....**$18.95**

AIRGIZMOS IPAD MINI 4 PANEL DOCK™

Your iPad mini4 can finally have the prominent position on your panel that it deserves! Included is a cooling port on the back of the iPad mini4 Panel Dock™. This port is compatible with standard avionics cooling fans if you decide you want to use this feature. The iPad mini4 Panel Dock™ is designed to work with the existing Angle Adapter. Radio stack compatible at 8.0"H x 6.25"W x 1.32" D / 4.4 ounces. Fits the same opening as the 696/796/iFly Panel Docks.
P/N 11-14355 ....**$124.95**

AIRGIZMOS IPAD MINI | IPAD AIR KNEE DOCK

The AirGizmos™ iPad mini/air Knee Dock is our answer to the problem of needing an accessible place in the cockpit for the iPad mini and iPad Air. If you have become accustomed to using charts on your iPad mini or air, you will enjoy having immediate access right at your fingertips...................P/N 11-16173 ....**$69.95**

AIRGIZMOS PANEL DOCK FOR THE GARMIN AERA SERIES

Fits the aera 500 GPS like a glove. Replaces the 496 Panel Dock without modifying the panel. Installs easily in a standard 6.25" opening. Allows quick and easy removal of your portable GPS. Includes an integrated actuator for the power button. Gives your instrument panel a professional, finished look. ....P/N 11-08321 ....**$124.95**

AIRGIZMOS PANEL DOCK FOR GARMIN 695/696

Securely mounts the Garmin GPSMap 695/696. Designed to allow quick and easy removal of your portable GPS. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look.
Garmin 695/696 Panel Dock ..P/N 11-09439 ...**$178.95**
GPSMAP Angle Adapter ....P/N 11-07310 .....**$46.85**

AIRGIZMOS GARMIN AERA AND 696 GXM-40 ANTENNA AERO DOCK

Here is the perfect companion to your new Garmin 696 or aera 560 and the AirGizmos Panel Dock. Now you can move the XM antenna from plane to plane, or from vehicle to vehicle..............P/N 11-11289 ....**$72.75**

AV

AIRGIZMOS PANEL DOCKS

AIRGIZMOS AERA 660 PANEL DOCK

When you snap your aera 660 GPS into the Panel Dock, you will immediately appreciate the glove-like fit. The Panel Dock conforms to every curve of the new aera 660. The Panel Dock also matches the look and feel of the rest of your avionics stack, giving you a pleasant, professional looking panel.

P/N 11-14552 ....**$124.95**

AIRGIZMOS PANEL DOCK FOR GARMIN 196/296/396/495/496

Designed to securely hold your Garmin 196, 296, 396, or 496 portable GPS. It fits nicely in a standard 6.25" avionics stack. Allows you to quickly remove your portable GPS from your plane for upgrades, flight planning, or for use in your car or boat. The Panel Dock is shipped with a set of mounting hardware necessary for attaching it to an avionics stack. ....P/N 11-03509 ....**$89.95**

AIRGIZMOS PANEL DOCK FOR GARMIN 295

The Garmin 295 is held safely and securely, but can be easily removed in a matter of seconds. The external power and antenna connections are made at the back of the unit, and the cables are secured from falling into the panel with special keyholes machined into the dock....................................P/N 11-04315 ....**$89.95**

AIRGIZMOS GARMIN HORIZONTAL PANEL DOCK ANGLE ADAPTER

The Vertical Tilt Adapter angles the viewing angle of the GPS so it is more readable when the GPS is mounted at the bottom of a tall instrument panel. This adapter fits the same opening as the Panel Dock itself, so adding the vertical tilt should be very easy for existing installations. **REQUIRES P/N 11-03509.**

P/N 11-05029 ....**$24.95**

AIRGIZMOS HORIZONTAL TILT ADAPTOR FOR GARMIN UNITS

AirGizmos Horizontal Tilt Bracket angles the GPS at a fixed angle of 15 degrees, providing a much more convenient viewing angle. This adapter fits in the same panel cutout as the Panel Dock, so if you already have a Panel Dock you can attach this adapter without having to modify your installation. **REQUIRES P/N 11-03509.** ....P/N 11-04671 ....**$22.85**

AIRGIZMOS 396 XM ANTENNA DOCK

Now you can move the XM antenna from plane to plane, or from vehicle to vehicle. It is designed to mobilize your costly 496 XM antenna. Using a simple twist & lock mechanism (no tools required) the base will lock your antenna into the preinstalled cradle, and your 396 XM antenna is ready to go!

P/N 11-04694 ....**$74.95**

AIRGIZMOS PREMIUM BEANBAG XM 396 & 496 ANTENNA MOUNT

Designed to mobilize your costly 496 XM antenna. It helps to maintain the clean look of a permanenet installation by organizing the antenna cable. Package includes: base, cradle, beenbag assembly, and two cables. ....P/N 11-07007 ....**$117.50**

AIRGIZMOS 396 & 496 XM CRADLE & CABLE

This product wil allow you to use the AirGizmos XM Antenna Dock in a second vehicle or aircraft. Use of this product requires that you first purchase the AirGizmos XM Antenna Dock.

P/N 11-04781 ....**$38.95**

AIRGIZMOS PANEL DOCK COVER
FOR GARMIN 196/296/396/496

This panel is for Garmin panel dock for models 196/296/396/496. Protects unit from UV rays and hides unit in the aircraft so that theft is less likely to happen. Can be used even if Garmin unit has not been installed yet. ....P/N 11-04775 ....**$18.50**

AIRGIZMOS IPAD AIR/IPAD PRO 9.7 PANEL DOCK™

The iPad Panel Dock is designed to quickly and securely mount your 9.7" iPad Air or iPad Pro on the surface of your panel while allowing the iPad to be easily removed when necessary. It requires only four screws and you are all set to go. ....P/N 11-16223 ....**$89.95**

AIRGIZMOS IPAD MINI PANEL DOCK

Mount your iPad mini securely in the instrument panel while still allowing it to be easily removed when you are not flying. The iPad mini Panel Dock is designed to work with the existing Angle Adapter. Radio stack compatible at 8.0"H x 6.25"W x 1.32" D / 4.4 ounces. Fits the same opening as the 696/796/iFly Panel Docks. Not for use with the iPad Mini 4.....P/N 11-11460 ....**$124.95**

AIRGIZMOS AV8OR PANEL DOCK

Securely mounts Bendix/King AV8OR GPS. Installs easily in a standard 6.25" opening. Designed to allow quick and easy removal of your portable GPS. Includes right angle extension cable for weather antenna. Gives your instrument panel a professional, finished look. Width: 6.25" Height: 4.00"............P/N 11-07782 ....**$83.75**

AIRGIZMO AV8OR ACE PANEL DOCK

Designed to securely mount your AV8OR ACE in the panel, the AV8OR ACE Panel Dock is the perfect companion to this GPS from Bendix/King. Designed to match the styling of the rest of the avionics in your panel. It fits a standard 6.25" radio stack. The AV8OR ACE can be snapped into the Panel Dock with either the standard battery or the extended battery attached to the GPS. ....P/N 11-08589 ....**$69.95**

AIRGIZMOS PANEL DOCK FOR AVMAP EKP-IV

Now you can mount the beautiful, detailed display of the AvMap EKP-IV directly in your instrument panel using the AirGizmos EKP-IV Panel Dock. The AirGizmos EKP-IV Panel Dock is designed to hold the AvMap securely yet it allows you to easily remove your portable from your plane whenever the need arises. The AirGizmos EKP-IV Panel Dock offers easy installation, quick release, hassle-free management of cables, and elegance of design......................P/N 11-04371 ....**$109.95**

AIRGIZMO GEOPILOT PANEL DOCK

This GPS has a nice large screen to go with it's small size. Our Panel Dock is designed to hold the GeoPilot securely in your panel while allowing it to be easily removed for portable use. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look ....P/N 11-05615 ....**$96.95**
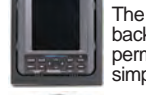
AIRGIZMO GEOPILOT II PLUS PANEL DOCK

Fits in a standard 6.25" radio stack. Power and antenna cables are organized and managed. The included WxWorx weather receiver bracket provides additional organization in the cockpit by providing a secure mount for the WxWorx receiver box…P/N 11-06855 ....**$109.95**

AIRGIZMOS IFLY 700 / 720 PANEL DOCK

Mount your iFly 700/720 GPS in your instrument panel. Using our Panel Dock you can enjoy your portable GPS in a more stable and safe installation. We have added a space inside of the Panel Dock to hold the iFly 700 external battery. Designed to be mounted horizontally or vertically. ....P/N 11-10848 ....**$124.95**

AIRGIZMOS PANEL DOCKFOR AIRMAP 1000/2000C

The cables supplied by Lowrance fit through keyhole slots on the back of the unit. The release latch at the top of the Panel Dock permits quick removal of the device for use in another vehicle or simply for security purposes. ....P/N 11-04372 ....**$109.95**

AIRGIZMO LOWRANCE 600 PANEL DOCK

Panel Dock will allow the AirMap 600c to be nicely mounted in your panel while still allowing it to be easily removed and used as a handheld. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look. .....P/N 11-05616 ....**$62.95**

AIRGIZMOS AERO COVER

Fits all of the major brands of GPS and XM weather antennas. It will protect your antenna from the elements. It is streamlined and attractive. Best of all, it gets your antenna out of your way. ..P/N 11-04777 ....**$64.95**

AIRGIZMOS XM ANTENNA CABLE

XM Antenna Cable. Straight, 2 meter extension for Garmin XM Weather Antenna ....P/N 11-04780 ....**$13.95**

AIRGIZMOS AERO DOCK

Gives you the option of mounting the antenna on the outside. Designed to mobilize your costly 396 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscription. Kit includes: 1 cradle, 1 base, 1 cable, mounting hardware.

P/N 11-04778 ....**$74.75**

Prices Subject to Change Without Notice

SANDIA SAI 340 QUATTRO PLUS THE 5-IN-1 INSTRUMENT

The SAI-340 Quattro Plus is a five-in-one attitude, airspeed, altitude, slip indicator that includes Instantaneous Vertical Speed (I)VSI. With smooth, high-quality graphics and an easy to read EFIS presentation, the Quattro Plus makes a great addition to a traditional six pack panel. This instrument is a cost-effective way to replace steam-gauge standby instruments in retrofit EFIS-equipped aircraft.

Displays precision airspeed, attitude, altitude, slip and Instantaneous Vertical Speed (I)VSI in an EFIS presentation. MFD is an excellent replacement for steam-gauge standby instruments in retrofit EFIS equipped aircraft. Backup lithium battery provides up to 2 hours battery life. Fits a 3-inch panel hole. Weighs just over 11 ounces. TSO approved.

Additionally, the Quattro Plus has a built-in battery which provides up to two hours of stand-alone operation if needed—thus ensuring an added level of redundancy. The MFD fits directly into a standard round 3-inch instrument hole with no panel modification, making it a near drop-in installation..P/N 11-12817 ...... **$2,995.00**

SANDIA STX 360 SENTINEL PANEL MOUNT ADS-B TRANSPONDER

The STX 360 Sentinel is a 978 MHz UAT ADS-B unit with a built-in Mode A/C transponder. The STX 360 can easily be installed in the same space as an existing transponder, simplifying the installation. The STX 360 has an internal diplexer that allows both the transponder and the UAT to share a single antenna. Because it is a combination unit, there is a single point of entry for the squawk code which eliminates the possibility of reporting two different codes. The STX 360 provides a traffic display, METARs and status on its sunlight readable OLED display. With its wireless output capability, the STX 360 can also display weather and traffic on portable devices such as an iPad or tablet.

The SANDIA STX 360 accepts position data from WAAS GPS position source such as the FREEFLIGHT WAAS/GPS 1201, the GARMIN 430W, 530W. SANDIA STX 360 will accept a WAAS position source that has RS 232 or RS 422 interface. We also accept WAAS GPS Information from the MGL and GRT Product lines.

P/N 11-14705 ......**$2,995.00**

GARMIN FLIGHTSTREAM 110 / 210

Part of the Garmin Connext™ family of flight connectivity solutions, the Flight Stream 110/210 is a small wireless gateway that is easily installed in your aircraft, enabling a combination of up to 4 compatible tablets or phones to stream information to and from your avionics system via Bluetooth®. The Flight Stream 110 offers GPS, attitude, weather and traffic streaming from the GDL 88 ADS-B datalink and GDL 69 SiriusXM™ datalink, while the Flight Stream 210 adds the capability for flight plan syncing with the GTN 750/650 series and GNS 430W/530W series navigators as well as the ability to display attitude information using an on-board AHRS[1].

Description	Part No.	Price
110 With Custom Harness	11-13327	$545.00
110 Without Harness	11-13059	$495.00
210 With Custom Harness	11-13326	$999.00
210 Without Harness	11-13058	$949.00

GARMIN FLIGHT STREAM 510

Advanced Connectivity and Revolutionary Avionics Integration. Enables Database Concierge wireless avionics database updates. Permits 2-way flight plan transfers between compatible apps and avionics[1]. Initiate phone calls and send/receive text messages from contacts on your Apple® device, using the Garmin Pilot™ app through your compatible avionics, optional Connext® datalink and service plan. Streams traffic, weather, GPS information and back-up attitude information from your avionics to select portables and mobile devices. Lets mobile devices wirelessly control SiriusXM™ satellite music from any position in the cabin.

P/N 11-14578 ..... **$1,259.00**

G-FORCE MOUNTS

The powerful G-Force vacuum base can withstand 23g of shear force, making a sturdy, lasting bond wherever you have a smooth, non-porous surface. That includes glass, plastic, even gelcoat. Creates a stable, reachable platform for your portable GPS that makes programming a breeze Take it from airplane to auto. It even works in the boat. All G-Force Mounts include appropriate mounting hardware and an easy-to-follow User Guide.

Mount for Garmin aera 700 Series - The G-Force GF220 Mount is all you need to turn your portable, large-format GPS into a heads-up display that will confirm your skill to think past the yoke. ... P/N 11-10740 .... **$69.75**
Mount for Apple iPod - The G-Force GF260 iPad Mount comes complete: with a custom-designed cradle, tailored to your iPad-1 or iPad-2, secured to the remarkable G-Force GF2 Twin base........ P/N 11-10741 .... **$66.75**
Mount For Mini-tablet PC'S - I f you want to turn your mini-tablet PC into a heads-up display, you want the G-Force GF163 Mount. The G-Force GF163 mount connects to your mini-tablet with the legendary Air Base.
P/N 11-12115 ....**$57.85**
Mount for Early Garmins - The G-Force Mount docks directly to the OEM cradle supplied by Garmin International with its GPS/MAP models 195 through 496. Other Garmin models and units from other manufacturers may require an interface cradle at additional cost. Cradles are not included with purchase. ....P/N 11-08097 ....**$42.75**
Mount for Garmin 695/696 - This G-Force GF2 Mount is all you need to turn your portable, large-format GPS into a heads-up display that will confirm your skill to think past the yoke. In the time it takes to unravel your headset, your portable, large-format GPS will look like a fixed addition to your panel instrument array. P/N 11-08099 ....**$73.85**
GF1.2 Aera Mount - The G-Force GPS Mount Manages your cockpit Resources, Restores your priorities, Returns valuable seconds to your command..P/N 11-08773 ....**$42.75**
GF7 Camera Mount - Now, High-Speed Photography is a One-handed No-Brainer. Attach your lightweight camera or video to this G-Force GF1 Mount, fitted with an industry standard 1/4-20 camera stud.
P/N 11-08103 ....**$42.50**
GF27 Camera Mount -Twice the holding power means double security. Dock your heavier camera to the G-Force GF2 Mount, fitted with an industry standard 1/4-20 camera stud. ....P/N 11-08104 ....**$79.50**

FAT GECKO CAMERA MOUNTS

Secure cameras to any smooth surface including: motorcycles, cars, airplanes, and more. Fat Gecko's suction cups are so strong they can safely secure hold a camera weighing up to six pounds. Allows for 360° tilt, 360° turn, and 360° rotation for all the best filming angles in any activity The 1/4 x 20 tripod mounting screws means you can use virtually any digital still or video camera on the market. Equipped with a removable extension tube so you can film around tire wells or over windshields.

Description	Part No.	Price
Fat Gecko Camera Mount	11-07877	$79.99
Fat Gecko Mini Mount - Single suction cup, with a 3" extension bar. Tested to carry 4 lbs.	11-07917	$32.60
Fat Gecko Mini Tree Antenna - Gives users a quick and easy way to mount GPS antennas and others out of the way. To be used in conjunction with the Fat Gecko Mini Mount	11-07919	$23.95

FAT GECKO TABLET AND IPAD BRACKET

Mount your tablet or ipad anywhere. Attach your Tablet, iPad or eReader to a countertop, window, desk, tray table, tripod or car seat for hands-free use almost anywhere. The adjustable bracket holds any tablet or iPad between 7 and 10.5 inches securely, while the female 1/4-20 tripod thread on the back of the bracket allows you to attach your device to the mount of your choice, including Fat Gecko Mounts, tripods, light stands, hand straps and more. ....P/N 11-13585 ....**$18.95**

FAT GECKO TABLET AND IPAD MINI MOUNT

Designed to securely hold any tablet or iPad between 7 and 10.5 inches, the Delkin Devices Fat Gecko Tablet & iPad Bracket allows you to mount your device in places you normally would not be able to. Attach it to a countertop while cooking, your desk at work, even the window of your car; the possibilities are endless! This innovative accessory easily compliments your equipment in any situation, including photography, videography, aviation, gaming and various other activities.
P/N 11-14718 ....**$44.95**

GARMIN PORTABLE FRICTION MOUNT

Keep your device in easy sight with this portable friction mount, and then remove it from your vehicle when you arrive at your destination. Lets you use your device in more than one vehicle. For aera 500 series.
P/N 11-13670 ....**$23.95**

AV

ADVENTURE PILOT IFLY 520 GPS

Note: USA Database Coverage Only.
A new level of value boasting versatility and portability with internal power in a smaller 5" form factor. Built for the harsh elements that iPads can't support. Superior reception, extreme operating temperature ranges pilots need at a fraction of the competition's price—even the updates are affordably priced. Sunlight readable and provides both VFR and IFR situational awareness in a simple-to-use 5" Touchscreen. Cord free flying up to 2 hours when ship power is not available. Go straight from the runway to the highway with iFly Streets™. Automatically transition to and from the Airport Diagram upon takeoff and landing. Plan your next flight on official VFR and IFR charts with access to public and private airports. Presents your position over official charts with un-paralleled clarity due to the extensive optimization process. Grab the latest TAF, METAR, Winds Aloft, TFRs and other data before takeoff for reference in flight. Active Alert System monitors and generates warnings of approaching concerns.
Without Street Maps ....P/N 11-12034 ....**$389.00**

ADVENTURE PILOT IFLY 740B TOUCHSCREEN

The 7-inch touch screen aviation GPS has been reborn! The next evolution is still big and bright enough to read easily in flight and affordable!
An included suction mount with multiple articulation points. The touch screen interface is incredibly simple to use. No installation or setup required. Just turn it on and you're ready to fly!
The iFly 740b is loaded with digital copies of FAA sectionals, IFR Low Enroute charts, airport diagrams, approach plates, and more. In fact, everything from planning to flying is designed around image enhanced maps from the FAA. Sweep your finger across the screen to scroll through the map, quick-tap to switch to another sectional, drag a route line to avoid a TFR, tap an airport to get detailed information, etc, etc. It's easy, intuitive, and fast.
iFly 740B..P/N 11-15662 ....**$499.00**

ASPEN AVIONICS EVOLUTION E5 DUAL ELECTRONIC FLIGHT INSTRUMENT

Versatile Performance – presents attitude information with altitude, airspeed, vertical speed plus DG/CDI course deviation indicator into a single display with a backup battery. Includes Global Positioning System (GPSS) Steering, and attitude heading reference system (ADAHRS).
Reliable - With redesigned electronics and new glass, the Evolution E5 has a bolder and brighter display and offers higher reliability, more capability and increased processing speed all while retaining Aspen's unique form factor design that keeps installation costs down.
Affordable – real glass
Compatible – works with your panel's existing avionics
Autopilot – interfaces to the new TruTrak Vizion Autopilot and is compatible with most legacy autopilots.
Simple Installation – the unique form-fit factor design slides into existing panel—one install does it all.
Upgradeable – affordably add HSI and other features such as ADS-B, Angle of Attack, Synthetic Vision and Hazard Awareness with an easy upgrade path that leverages your Evolution E5 investment without unit replacement.
Smart Investment – increases aircraft value, situational awareness.
With ACU Top..P/N 11-16468 ......**$5,995.00**
With ACU Bottom ....P/N 11-16469 ......**$5,995.00**
Without ACU Top...P/N 11-16466 ......**$4,995.00**
Without ACU Bottom ....P/N 11-16467 ......**$4,995.00**

AV

AVMAP EKP V GPS

Fully Portable: A brilliant 7" display, with built-in battery and GPS, only 0.8" thick. EKP V is slim and light, yet very powerful: with built in u-blox 5 GPS receiver, built-in battery and speakers.
Offering full Connectivity: Thanks to the special Docking Station, you can connect EKP V to several on-board devices at the same time (autopilot, XM WX, CAS, EIS, EFIS etc.) so that the large 7" LCD becomes multifunctional and capable to display different flight info.
Fully Customizable: Easily change the layout choosing what to see and where to display it: maps, taws, weather, vertical profile on map, nav data, HSI, EFIS. Set different PROFILES for different aircrafts with different settings for taws, selective display and even different hard keys configurations. ....P/N 11-09748 ......**$1,200.00**

AVMAP EKP V WITH DOCKING STATION AND ULTRA EFIS COMBO

The AvMap avionic system consists of:
• AvMap EKP V: GPS navigator, EFB, PFD
• AvMap Cockpit Docking Station
• AvMap A2 ADAHRS module
• AvMap GPS receiver
P/N 11-16409 ......**$2,150.00**

ACCESSORIES

Description	Part No.	Price
AVMAP EKP V EFIS Bundle	11-11495	$2,567.00
AVMAP EKP V Option Cockpit Cradle Kit	11-11131	$150.00
AVMAP EKP V Option Docking Station	11-11132	$300.00
AVMAP EKP V PC Interface Cable	11-11490	$28.50
AVMAP EKP Leg Strap	11-11487	$23.95
AVMAP EKP V Knee Pad Bracket	11-11486	$24.00
AVMAP EKP V Li-Ion Rechargeable Battery	11-11491	$43.50
AVMAP EKP V Serial Cable	11-11493	$28.50
AVMAP EKP V & Geopilot II Plus Dash/Panel Mount	11-11496	$28.25
AVMAP EKP V & Geopilot II Plus Yoke Mount	11-11497	$49.00
AVMAP EKP V & Geopilot II Plus Suction Dash Mount	11-11498	$37.00
AVMAP EKP V & Geopilot II Plus Mounting Bracket	11-11499	$6.95
Avmap EKP V A2 Adahrs	11-11488	$799.00
Avmap Engi Box (Rotax) North	11-13657	$899.00
Avmap EKPV Power Adapter	11-16538	$27.50
Avmap EKPV Free Wire Cable	11-16539	$73.75
Avmap Joystick Kit	11-16540	$11.50
Avmap Protective Cover for EKPV	11-16541	$17.50
Avmap External GPS Antenna For Ultra EFIS	11-16542	$92.75
Avmap AC/DC Adapter - North America	11-16543	$17.50
Accessories for Geo Pilot II/Plus	**Part No.**	**Price**
Airgizmo Panel Dock for Geopilot II	11-05615	$96.95
Airgizmos Panel Dock for Geopilot II+	11-06855	$109.95

Visit www.aircraftspruce.com for complete AVMAP packages.

AVMAP ULTRA - EFIS

AvMap Ultra is a stand alone EFIS with a 3.5" ultra bright LCD display. The unit is compact (only 63.3 mm /2.49" of installing depth) and ultra light: only 230 g (8.1 Oz)! Designed for light-sport, ultralight and experimental aircraft.
Ultra compact: only 2.49" of installing depth, and only 3.74" x 3.74" of external frame. Ultra bright: 3.5" ultra bright LCD display with 500 cd/m2 brightness. Ultra powerful, packed with everything you need: • 3.5" ultra bright LCD • GPS • Solid state 3-axis gyro • 3-axis accelerometer • 3-axis magnetic field sensor • Pitot and Static air data sensors • UAV motion processor and sensor fusion software • Preloaded with Jeppesen database (APT, VOR, NDB) The AvMap Ultra can display on the 3.5" LCD two different pages: PFD and HSI. Change Page by using the rotor knob. Your Navigation back-up! The AvMap Ultra also provides navigation back-up: in the HSI screen you can select from the preloaded Jeppesen Database an Airport, a VOR station or NDB transmitter as your navigation point. The Ultra EFIS contains an internal world magnetic model that allows it to calculate the local magnetic deviation and dip. The Ultra EFIS can calculate current position and ground speed even in the absence of GPS.
P/N 11-12004 ....**$999.00**

AVMAP ENGIBOX FOR ROTAX

With an update rate of five times per second, Engibox measures and displays the engine parameters to warn you instantly if any measurement exceeds the engine limits. Data are recorded and stored in the internal memory (up to 160 hours). Download the free Engibox mobile App to get Instant Support Service*.
EngiBOX is a light and compact engine monitor displaying
• Exhaust Gas Temperature (EGT) • Revolutions per Minute (RPM) • Manifold Pressure (MAP) • Oil Pressure • Oil Temperature / Air Temperature • Cylinder Head Temperature (CHT) / Coolant Temperature (CT)

Description	Part No.	Price		Description	Part No.	Price
Without Probe	11-13657	$899.00		EGT Probe (1)	11-16544	$68.75
With Probe	11-16537	$1,100.00		Set of 4 Probes	11-16545	$231.95
				EGT Ext. Cable (6.5)	11-16546	$33.75

Prices Subject to Change Without Notice

BAD ELF GPS PRO

Connect up to 5 devices at a time via Bluetooth The real-time GPS data from a single GPS Pro can be used by up to 5 devices simultaneously – any combination of supported iPad, iPhone, or iPod touch devices. This is great for: Jet pilots: the entire crew can share the data from a single GPS Pro sitting on the glareshield or in the side window. Or share your GPS data with passengers in the cabin so they can follow the flight on their own iPads. General aviation pilots: use your iPhone or iPod touch as a backup for charts on your iPad, switching instantly if needed without re-pairing or connecting. Road trips: the whole family can share the GPS data from a single GPS Pro. Features: Large LCD screen with backlight • Extra-long battery life and 10Hz reporting rate • Standalone GPS datalogger (100+ hours) • Rugged and splash-proof to IPX4 standards • Works with all location-based Apps. • iPod touch (2nd, 3rd, & 4th generations) • iPhone 4S, iPhone 4, iPhone 3GS, & iPhone 3G • iPad (3rd generation), iPad 2, iPad. Specs: Fast GPS lock times (45 seconds or less) • 2.5 meter accuracy • 60k feet maximum altitude • 1000 MPH maximum speed • Up to 10Hz position update rate • 66-channel MTK GPS chipset • SBAS/WAAS/EGNOS/MSAS • Mini-USB port for charging and ElfPort expansion • 128x96 dot LCD screen with backlight • 100+ hour datalogger memory • Upgradeable Firmware • Dimensions: 3" x 2.4" x 0.7" (76.5mm x 61.5mm x 17.5mm) • Weight: 3.2 oz (90 grams)

P/N 13-12274 ....**$149.99**

BAD ELF BLUETOOTH GPS PRO+

PX4 certified, rugged, and splash-proof. Don't be afraid to take your GPS Pro along on your next adventure. Compact, rugged, and splash-proof, the GPS Pro will survive the journey and then let you share with your friends your amazing trip. Works with all location-based apps.Bad Elf GPS Pro in the cockpit Apps galore. The Bad GPS Pro meets all requirements under Apple's MFi program, and works great with any location-based app in the App Store. To simplify your search for great apps, we've categorized many apps that we know work well with the Bad Elf GPS Pro by your favorite activities. We've tested the GPS Pro with all the major flight planning and aviation chart apps as well as many marine, fitness, car navigation, and golf apps.......................P/N 13-15933 ....**$249.99**

BAD ELF GPS / GLONASS RECEIVER FOR APPLE LIGHTNING CONNECTOR

The Bad Elf GPS gets rave reviews from the most demanding customers in military, commercial, and private aviation. More and more blue water and freshwater marine enthusiasts have chosen the Bad Elf GPS for their adventures. Add a high performance GPS and voice guided turn-by-turn application with the included upgrade of the CoPilot street navigation app for your iPod touch, iPad, or iPad mini (USA purchases only).

Made for These Apple Devices: iPod touch (5th generation), iPhone 5, iPad (4th generation), iPad mini.

P/N 13-14960 ....**$99.99**

BAD ELF CABLE FOR LIGHTNING CONNECTORS

The Bad Elf Charge & Sync Cable for Lightning Connector offers a unique, patent pending design that delivers cleaner cable management by directing the length of the cable toward the back side of your Apple device. This cable comes in both 1 meter and 2 meter lengths to suit your needs. By using a thicker wire gauge, Bad Elf ensures that power flows to your device without degradation. Bad Elf cables are certified MFi products.

1 Meter ....P/N 13-15934 ....**$14.99**

JEPP SKYBOUND G2 ADAPTER

Required for Skybound updates. The Adapter utilizes USB technology found standard on most computers. Orange Label Version.

Minimum System Requirements:
• Pentium 266MHz or faster CPU • 32 MB RAM minimum • 10 MB free disk space • Microsoft Windows 2000 SP3, or Windows XP SP1 • Microsoft Internet Explorer 6.0 or better • Internet Connectivity • Available USB port ....P/N 11-13197 ....**$69.95**

DUAL UNIVERSAL XGPS150 RECEIVER WITH BLUETOOTH

The XGPS150 is very simple to use. There is a quick set up process that includes pairing your device with the Receiver. Once this is done, the Receiver will automatically connect to the device it was last paired with, and you will be able to use it with hundreds of apps that require location information. The XGPS150 also comes with a useful GPS Status Tool App (available free on the iTunes store, not required for the device to work). The App is a simple utility application for use with the XGPS150.

P/N 11-09941 ....**$98.95**

DUAL XGPS190 GPS / AHRS / ADS-B WEATHER & TRAFFIC RECEIVER

The XGPS190 features a WAAS GPS, dual band (978/1090 MHz) ADS–B receiver for weather & traffic information, and AHRS artificial horizon for EFB apps with synthetic vision. The receiver works with many EFB apps. It connects to up to 2 devices via Bluetooth, and is compatible with iPad, Android and Windows tablets. The internal battery lasts 5 hours of continuous operation, and the receiver can be charged with the included 12–30V adapter and wall charger. A non–slip pad is also included for convenience.

P/N 11-14334 ....**$798.00**

DUAL SKYPRO GPS RECEIVER XGPS160 FOR IPAD & ANDROID

GPS Receiver with fast signal acquisition and 10Hz positioning updates, making it an ideal GPS for pilots, race car drivers and other fast moving applications. The WAAS receiver is compatible with both GPS (USA) and GLONASS (Russia) systems and it connects via Bluetooth to up to 5 Apple or Android devices. This GPS Receiver also comes with a useful GPS Status Tool app. (Available free on the iTunes App Store). The SkyPro GPS Receiver also includes a non-slip pad for use in a cockpit, car or a boat.

P/N 11-11996 ....**$149.00**

XGPS170D DUAL BAND ADS-B / GPS BLUETOOTH TRAFFIC & WEATHER RECEIVER

The XGPS 170D features a WAAS GPS and dual band (978/1090 MHz) ADS–B receiver for weather & traffic information. The receiver works with many EFB apps. It connects to up to 2 devices via Bluetooth, and is compatible with iPad, Android and Windows tablets. The internal battery lasts up to 5 hours of continuous operation, and the receiver can be charged with the included 12–30V adapter and wall charger. A non–slip pad is also included for convenience.

P/N 11-15135 ....**$595.00**

AV

GARMIN G5 ELECTRONIC FLIGHT INSTRUMENT

Backup or Primary Flight Instrument with Optional Autopilot Capability.
G5 electronic flight instrument for experimental amateur-built (EAB) and light sport aircraft (LSA). The compact and cost-effective G5 delivers exceptional performance and reliability, serving as either a backup instrument to G3X™ or other EFIS systems or as a standalone primary flight display, with optional autopilot mode annunciation. Boasting a bright, 3.5-inch sunlight-readable liquid crystal display (LCD) with built-in GPS, G5 displays attitude, ground track, altitude, airspeed, groundspeed, vertical speed, slip/skid, course (lateral) deviation, vertical deviation and incorporates a dedicated HSI page. Even more capabilities are available when integrated with G3X glass flight displays. Additionally, the G5 can serve as part of a highly capable standalone autopilot solution when paired with compatible autopilot mode controllers and autopilot servos.

Seamless Cockpit Integration
The G5 offers EAB/LSA aircraft owners a cost-effective path to add a primary or backup flight instrument to their cockpits, which combines essential flight information on an easy-to-read display. Suitable for installation in place of a standard 3-1/8-inch (79.4 mm) flight instrument, the G5 can easily be integrated into an EAB/LSA cockpit. The easy-to-install G5 flight instrument measures 3 inches in depth when paired with the backup battery and 2.1 inches without the battery. Installation is further simplified as the G5 incorporates pitot and static inputs that easily integrate with the aircraft's existing pitot/static system. The G5 includes a built-in GPS antenna.

Description	Part No	Price
Experimental G5 without Harness	11-14312	**$1,249.00**
Experimental G5 with 4 ft Harness	11-14579	**$2,249.00**
Experimental G5 with Custom Harness	11-14447	**$1,375.00**
STC'D G5 without Harness	11-14579	**$2,249.00**
G5 Installation Kit	11-14313	**$50.00**
G5 Back-up Battery	11-14314	**$150.00**

GARMIN INREACH SE®+ SATELLITE COMMUNICATOR

Satellite Communicator that sends and receives messages with GPS, color screen and virtual keyboard. Combines the latest satellite communication technology and product innovation to make it the most feature-rich, and easy to use satellite communicator that both sends and receives messages available on the market at an affordable price point. With a color screen and virtual keyboard, standalone mode provides full, free-form texting capabilities to any cell phone number or email address, social media posting, the ability to change service modes and configure user settings – all without the need for a paired, companion device. Offers a sleek, pocket-sized design, intuitive LED indicator for satellite availability, audible message notifications, and a long-lasting internal rechargeable lithium battery for ultimate convenience and portability. ....P/N 11-11425 ....**$399.99**

GARMIN INREACH EXPLORER

Navigate, create waypoints, log your trip and find your way back. Send and receive text messages. Trigger an interactive SOS. Plan, track and share your journey. You can do all of this from one rugged handheld device with 100% global coverage from Iridium. You can also pair it with your mobile device to access topographic maps and U.S. NOAA charts. ....P/N 11-12868 ....**$449.99**

GARMIN INREACH® MINI

inReach Mini is your go-to connection for maintaining off-the-grid contact. It's our palm-sized satellite communicator for adventures where size and weight matter. inReach Mini lets you send and receive text messages, track and share your journey and, if necessary, trigger an SOS alert to contact the GEOS 24/7 emergency response team. With inReach connectivity, your family and friends will know they can stay in touch globally.
Orange.............................P/N 11-16335 ....**$349.99**
Black.............................P/N 11-16336 ....**$349.99**

GARMIN G5 DG / HSI

Glass Upgrade for DG/HSI and Attitude Instruments in GA Aircraft
• Replaces traditional electromechanical instruments; can be configured in attitude, DG/HI/HSI and turn coordinator positions
• Bright, sunlight-readable 3.5" LCD color display, sized to fit standard 3-1/8" instrument cutout
• Certified via approved model list (AML) for STC'd installation on more than 560 aircraft makes and models
• Includes a 4-hour backup battery with battery status indicator • Dual G5 installation offers reversionary display capability plus the added redundancy of dual ADAHRS and dual backup batteries

The G5 electronic flight instrument delivers exceptional performance, reliability and ease of installation as a drop-in replacement for primary attitude and/or directional gyros in type-certificated fixed-wing aircraft. Providing an economical upgrade path via a comprehensive approved model list (AML), the compact and cost-effective G5 is bringing modern "glass cockpit" reference to thousands of aircraft that would otherwise depend on older, vacuum-driven equipment.

Description	Part No	Price
G5 DG HSI for Certified Aircraft without Harness	11-15014	**$2,549.00**
G5 DG HSI for Certified Aircraft with 4 ft Harness	11-15029	**$2,677.00**
G5 DG HSI for Certified Aircraft with Custom Harness	11-15030	**$2,705.00**
G5 DG HSI with GAD 29 for Certified Aircraft	11-15015	**$3,075.00**
G5 DG HSI with GAD 29 for Certified Aircraft with 4 ft Harness	11-15031	**$3,232.00**
G5 DG HSI with GAD 29 for Certified Aircraft with Custom Harness	11-15032	**$3,268.00**

GARMIN G5 FLUSH MOUNT PANEL BRACKET

This flush mount bracket is a neat solution to mount a Garmin G5 standby EFIS to your panel. This aluminum mounting bracket can be fixed vertically or horizontally depending on your needs. There are 4 holes for #3 rivets to fix the mounting bracket to the panel. See Garmin G5 Flush Single for panel cut-out dimensions. Can be rotated 90 degrees if needed for panel obstruction. ....P/N 11-15457 ....**$59.75**

GARMIN SMP G5 ADAPTER PLATE

The G5 adapter plate is fabricated from 0.050 thick 2024-T3 aluminum per the dimensions shown in Figure 4-11. Apply a finish coat of paint to adaptor plates as desired prior to final installation. These may be field fabricated if needed and must have some type of corrosion protection (primer, alodine, etc.).
P/N 11-15379 ....**$25.00**

GARMIN G5 FLUSH MOUNT PANEL BRACKET

With this flush mount, the G5 unit may be recessed into the instrument panel which positions the display flush with the instrument panel. Some instrument panels may not be capable of supporting this modification. The Recessed Adapter Plate includes reference holes and can be used as a template for creating the recessed cutout. Supports one or two G5 units. ....P/N 11-15518 ....**$89.95**

INREACH ACCESSORIES

Description	Part No.	Price
Inreach SE Adjustable Handheld Mount	11-15020	**$18.99**
Inreach SE Friction Mount	11-15025	**$34.75**
Inreach Powered Mount with Suction Cup	11-15027	**$69.95**
Inreach Powered Mout	11-15026	**$28.95**
Inreach SE Backpack Tether	11-15021	**$18.99**
Inreach SE Spine Mount Belt Clip	11-15023	**$7.50**
Inreach SE Swivel Belt Clip	11-15028	**$6.95**

AV

GARMIN

GARMIN GTN 650 GPS/NAV/COMM SYSTEM
Note: Per Garmin, Aircraft Spruce can only offer this product to experimental aircraft with harness

Garmin is changing the course of aviation yet again! Introducing the GTN 650 "next generation" touchscreen avionics. This panel-mount unit is certified and approved for installation in hundreds of makes and models of general aviation aircraft. The GTN 650 has GPS/NAV/COM capabilities and new features like intuitive touchscreen operation, graphical flight planning, victor airway and high-altitude jet route navigation, remote transponder, SafeTaxi® and more.

Thanks to built-in terrain, mapping and obstacle databases, the GTN provides a greatly enhanced, high resolution presentation of the surrounding area. A built-in terrain elevation database shows color-coded alerts when potential terrain conflicts are ahead. Full Class B TAWS alerting is also available as an option. The SBAS/WAAS equipped GTN 650 series lets pilots fly GPS-guided LPV glidepath approaches down to ILS-comparable minimums. In addition, precise course deviation and roll steering outputs can be coupled to select autopilots so that IFR flight procedures may be flown automatically. This includes all ARINC 424 leg types, excluding RF legs (for example, when coupled with a G500/G600 Flight Display, the aircraft can fly fully coupled missed approaches, including heading legs).

Included: • Garmin GTN 650 System (Black) • Garmin GTN Americas Database or Garmin International Database • Garmin GA 35 WAAS Antenna • Garmin GTN Harness

For certified aircraft please see our partner USA avionics shops.
Pricing below is for an experimental aircraft only with harness.

Garmin GTN 650 Americas w/ harness.......P/N 11-09702 ....**$10,180.00**
Garmin GTN 650 International w/ harness..P/N 11-09706 ....**$10,181.00**
Garmin GTN 650 W/ Custom Harness........P/N 11-12957 ....**$10,276.00**

GARMIN GTN 625
Note: Per Garmin, Aircraft Spruce can only offer this product to experimental aircraft with harness

Introducing the next generation of aircraft navigation. The GTN 625 is a 2.64-in.-tall standalone GPS navigator that puts a wealth of features – like high-resolution terrain mapping, graphical flight planning, traffic display and more – right at your fingertips. With the GTN 625's revolutionary new touchscreen interface, you're rarely more than two taps away from all of the system's primary functions. Traditional concentric knobs are also available for those who are used to that style of data input. The GTN family makes it easier than ever to get where you're going. Graphical flight planning capabilities allow you to edit your entire route using the map screen and easily enter new waypoints or modify existing ones. The system's robust 15-channel GPS receiver generates five position updates per second. Packed full of multifunction display capabilities, the GTN 625 brings enhanced situational awareness to your cockpit. With high-resolution terrain mapping – including topography features, cities, airports, terminal areas, SUAs and more – and optional Class B TAWS alerting, you'll find your way around the airspace safely and with ease. The system even allows you to load and follow Victor and jet airways. On the ground, built-in Garmin SafeTaxi® U.S. airport diagrams give you geo-referenced runways, taxiways, FBOs and hangars. Couple the system with a GDL™ 69 series datalink receiver and XM® subscriptions, you can overlay NEXRAD radar right onto your moving map display and receive satellite music. Or add a Garmin traffic system and pinpoint other aircraft in your vicinity. The GTN 625 can control the GTX™ 32/33 remote transponder, which could also save you valuable panel space. The GTN 625 features a front-loading SD™ card reader, so you can easily update your databases. In The Box: GTN 625, Cleaning cloth, SD card with databases, Installation kit, Simulation software DVD, Familiarization video DVD, Pilot's guide, Cockpit reference guide, Complimentary database update certificate.

Garmin GTN 625 W/ Custom Harness........P/N 11-12959 ......**$8,589.00**
Garmin GTN 625 with G3X Purchase ....P/N 11-14424 ......**$7,835.00**
Garmin GTN 625 and GTX 345R Mode S Transponder
Bundle without Harness...............................P/N 11-14328 ......**$8,395.00**

GARMIN GTN 750 GPS/NAV/COM SYSTEM
Note: Per Garmin, Aircraft Spruce can only offer this product to experimental aircraft with harness

Packed full of powerful avionics, the GTN 750 is a fully integrated GPS/NAV/COMM solution. The 6-in.-tall system's intuitive touchscreen controls and large display give you unprecedented access to high-resolution terrain mapping, graphical flight planning, geo-referenced charting, traffic display, satellite weather and much more. Touch and Go - With the GTN 750's revolutionary new touchscreen interface, you're rarely more than two taps away from all of the system's primary functions. Navigate with Ease - The GTN family makes it easier than ever to get where you're going. Graphical flight planning capabilities allow you to preview your entire route on the map screen and easily enter new waypoints or modify existing ones. The system even lets you load Victor and jet airways. In IFR conditions, you now have more landing options, as well. The SBAS/WAAS-certified, 15-channel GPS receiver generates five position updates per second, enabling you to fly GPS-guided LPV glidepath instrument approaches down to as low as 200 ft. The system also includes a complete package of VHF navigation capabilities, with a 200-channel VOR/ILS with localizer and glidescope.

A fully certified, 2,280-channel VHF communications transceiver provides a standard 10 W (or optional 16 W) of power output. See More than Ever Before - With a wealth of multifunction display capabilities, the GTN 750 brings enhanced situational awareness to your cockpit. Couple the system with a GDL™ 69 series datalink receiver and XM® subscriptions, you can overlay NEXRAD radar right onto your moving map display and receive satellite music. Or add a Garmin traffic system and pinpoint other aircraft in your vicinity. The GTN 750 can even control the GMA 35 remote audio panel with clearance recorder, advanced auto squelch and more.

Garmin GTN 750 Americas w/ harness.......P/N 11-09703 ....**$14,857.00**
Garmin GTN 750 International w/ harness..P/N 11-09704 ....**$14,858.00**
Garmin GTN 750 W/ Custom Harness........P/N 11-12960 ....**$14,953.00**

GARMIN GTN 725
**Note: Per Garmin, Aircraft Spruce can only offer this product to experimental aircraft with harness

With its 6.9-in. (diagonal) display, intuitive touchscreen interface and wide range of multifunction display capabilities, the GTN 725 is so much more than just a GPS navigator. The 6-in.-tall system puts high-resolution terrain mapping, graphical flight planning, charting, traffic display, satellite weather and much more right at your fingertips. With the GTN 725's revolutionary new touchscreen interface, you're rarely more than two taps away from all of the system's primary functions. Traditional concentric knobs are also available for those who are used to that style of data input. The GTN family makes it easier than ever to get where you're going. The GTN 725 even lets you load Victor and jet airways. The GTN 725 also allows you to enter your most recently visited or nearest airports as waypoints or "Direct-To" destinations. Built-in Garmin U.S. FliteCharts™ or optional Jeppesen®-style geo-referenced ChartView™, provides you with approach plates and procedures, while Garmin SafeTaxi® lets you see geo-referenced runways, taxiways, FBOs and hangars. The GTN 725's robust 15-channel GPS receiver generates five position updates per second. Packed full of multifunction display capabilities, the GTN 725 brings enhanced situational awareness to your cockpit. With high-resolution terrain mapping – including topography features, cities, airports, terminal areas, SUAs and more – and optional Class B TAWS alerting, you'll find your way around the airspace safely and with ease. Couple the system with a GDL™ 69 series datalink receiver and XM® subscriptions, you can overlay NEXRAD radar right onto your moving map display and receive satellite music. Or add a Garmin traffic system and pinpoint other aircraft in your vicinity. The GTN 725 can even control the GMA 35 remote audio panel with clearance recorder, advanced auto squelch and more. Use the GMA 35 and a GTX™ 32/33 remote transponder to save up to 3 in. of panel space versus a typical GNS 430/530 install.

P/N 11-09972 ....**$11,965.00**
Garmin GTN 725 W/ Custom Harness........P/N 11-12961 ....**$13,221.00**

AV

GARMIN GAD™ 29 DATA BUS CONVERTER

GAD 29 is an affordable ARINC 429 avionics data bus module that can be used to interface up to 2 IFR-capable GPS navigators with the G3X, G3X Touch and G5 series electronic flight displays. It can also be used to adapt the GTX 800 series active traffic system for use with G3X and G3X Touch displays. This compact GPS/navigation data adapter, when installed with the GTN 750 or GTN 650 series or legacy GNS 530 or GNS 430 navigators, can enable such advanced features as GPS steering, WAAS LPV vertical approach guidance, HSI map navigation, coupled VNAV and more for access via your compatible flight display system............................ P/N 11-15450............................. **$699.99**

GARMIN PANEL MOUNT

GARMIN G3X EFIS / EMS / GPS TOUCH SYSTEM

The G3X Touch is a large touchscreen glass flight display system designed for installation in experimental amateur-built and light sport aircraft (LSA). The non-certified G3X Touch system offers pilots easy-to-read, easy-to-use, high-resolution 10.6-inch flight displays with split-screen functionality and a host of advanced interface options – all at a great price.

Large Touch Display: A large 10.6-inch display. Since G3X Touch is scalable and easily configurable, pilots can choose to install up to three G3X Touch displays in their panel. Incorporating the latest in infrared touchscreen technology, the display offers a resilient, high-resolution, sunlight readable screen that demonstrates Garmin's industry-leading experience in integrated flight decks.   Enhanced Functionality and Situational Awareness: The G3X Touch display provides pilots with an intuitive split-screen mode with the option to view PFD, MFD, and engine information on a single display. Synthetic vision (SVX™) is a standard feature on G3X Touch, which provides a rich, three-dimensional depiction of terrain, obstacles, water features, the runway environment, and more.

Seamless Integration and Familiar Interface: G3X Touch interfaces with Garmin's industry-leading experimental autopilot, which gives pilots autopilot control through the touchscreen interface, while still supporting the optional, stand-alone GMC 305 autopilot control panel.

Steps	Garmin #	Description	Part No.	Price
1. Pick Your System	K10-00016-40	Single Display GDU 460 System With Out EIS	11-12636	---
--	K10-00016-45	Single Display GDU 460 System With EIS	11-12638	$6,099.00
--	K10-00016-55	Dual Display GDU 460 System With EIS	11-12640	$9,399.00
Connector Kit	010-12150-00	GDU 460/465 Install Kit	11-12646	$65.00
--	K10-00181-00	GSU 25 Connector Kit	11-11433	$65.00
--	011-02886-00	GEA 24 Engine Module Connector Kit	11-11434	$125.00
--	011-00871-10	GMU 22 Install Kit	11-12213	$75.00
--	011-01796-00	GMU 22 Mounting Bracket	11-13501	$39.00
--	010-12150-01	GDU 45X Connector Kit	10-05860	$65.00
2. Select Antenna(s)	010-11373-00	GA 26 XM (remote dash mount) Antenna	11-09466	---
--	010-10052-04	GA 26C GPS (remote dash mount) Antenna Kit	11-00051	$78.95
--	010-11370-10	GA 57X GPS/SM (external mount) Antenna	11-09467	$221.95
3. Add Engine Probe Package	K00-00512-00	4 Cylinder Lyc/Cont Probe Kit	11-09469	$999.00
--	K00-00513-00*	6 Cylinder Lyc/Cont Probe Kit	11-09474	$1,250.00
--	K00-00514-00**	Rotax 912 Probe Kit	11-09476	$299.00
--	494-30004-02	Fuel Pressure (Injected), 50 PSIG, 1/8-27 NPT	11-09477	$109.50
--	494-30004-03	Fuel Pressure (Carbureted) / Coolant Pressure,	11-09478	$109.50
--	494-10001-00	Fuel Flow, 1/4" Female NPT	11-09479	$255.95
--	494-50005-00	RPM, Hall Effect, Slick magneto	11-09480	$119.75
--	494-50005-01	RPM, Hall Effect, Bendix magneto	11-09481	$117.75
--	909-D0000-00	Ammeter, Shunt, +/-50 mV, 100 amps	11-09482	$39.50
--	494-70000-0	CHT Type Thermocouple 3/8-24 Bayonet	10-05779	$66.75
--	494-70002-00	TIT, Type K thermocouple, 7/16-20, bayonet	11-09483	$85.75
	494-70004-00	Oil Temperature Probe RTD 5/8-18 UNF-3A	10-05780	$66.75
--	494-70005-00	Carb Temp, RTD, 1/4-28	11-09484	$75.00
--	494-30004-00	Oil pressure 150 PSI 1/8-27 npt sensor kit	10-05863	$84.75
--	494-30004-01	Manifold pressure 30 PSI 1/8-27 npt sensor kit	10-05864	$79.95
--	494-70001-00	EGT Type K Bayonet Sensor	10-05865	$59.75
--	--	G3X Jabiru Probe Kit	10-06579	$435.95
4. Add Transponder for Remote Mode S (Optional)	GTX 23	Remote Mount GTX 23 Mode S Transponder	11-10001	$2,199.00
5. Add Com for Remote Radio	010-01076-01	GTR 20 Remote Comm Radio for G3X Touch Only	11-12647	$995.00
6. Add Autopilot	GSA 28	GSA 28 Single Autopilot Servo	11-11450	$750.00
--	011-02950-000	GSA 28 Connector Kit	11-12171	$30.00
--	010-01068-00	GSA 28 Capstan Kit	11-11436	$149.00
--	011-02952-00	GSA 28 Servo Install Kit Without Mount Bracket	11-11437	$45.00
--	011-02952-01	GSA 28 Servo Install Kit Wit Mount Bracket	11-11438	$75.00
RV Aircraft Servo Packages	011-02952-10	GSA 28 Servo Install Kit for RV 6 Roll	11-11440	$100.00
--	011-02952-11	GSA 28 Servo Install Kit for RV 4 & 8 Pitch	11-11441	$75.00
--	011-02952-12	GSA 28 Servo Install Kit for RV 7, 8 & 10 Roll	11-11442	$75.00
--	011-02952-13	GSA 28 Servo Install Kit for RV 9 Roll	11-11443	$75.00
--	011-02952-14	GSA 28 Servo Install Kit for RV 6, 7 & 9 Pitch	11-11444	$75.00
--	011-02952-15	GSA 28 Servo Install Kit for RV 10 Pitch	11-11445	$75.00
7. Add Autopilot Control Panel	010-01169-00	GMC 305 Autopilot Control Panel	11-11446	$750.00
--	010-12034-00	GMC 305 Install Kit	11-11447	$30.00

WWW.AIRCRAFTSPRUCE.COM

Prices Subject to Change Without Notice

8. Add ADS-B Weather	--	GDL 39 Portable ADS-B Receiver With Bare Wire Cable	11-10730	**$499.00**
9. Add Pitot Tube & AOA	010-01074-00	GAP 26 Unheated Pitot Tube	11-11448	**$199.00**
--	010-01074-10	GAP 26 Heated Pitot Tube	11-11449	**$299.00**
--	010-01074-20	GAP 26 Heated & Regulated Pitot Tube 14V	11-12973	**$449.00**
--	--	PBK-12 PAINTABLE GRETZ BRACKET	10-01820	**$118.85**
--	010-01287-00	GI 260 Angle of Attack Indicator for G3X or G3X Touch	11-12648	**$249.00**
10. ARINC Interface	010-01172-00	GAD 29 ARINC Interface	11-11454	**$475.00**
--	011-03271-00	GAD 29 Connector Kit	11-11455	**$50.00**
11. Pick Wire Harness	--	G3X VFR Harness EFIS/EMS 4CYL CON/LYC	11-09485	**$885.00**
--	--	G3X VFR Harness EFIS/EMS 6CYL CON/LYC	11-09487	**$922.00**
--	--	G3X VFR Harness EFIS/EMS Rotax	11-09489	**$794.00**
--	--	G3X IFR Harness EFIS/EMS Rotax	11-09490	**$986.00**
--	--	G3X VFR No Engine Data Harness	11-09709	**$691.00**
--	--	G3X IFR No Engine Data Harness	11-11293	**$769.00**
--	--	G3X Screen Add-On Harness	11-12273	**$295.00**
--	--	Garmin G3X Auto Pilot Harness	11-11294	**$225.00**
--	010-01546-00	Garmin G3X ADS-B GPS System	11-13819	**$845.00**
--	011-03914-00	Garmin G3X GPS Install Kit	11-13820	**$30.00**
--	--	G3X GAD 27 Solid State Controller	10-05937	**$499.00**
--	--	G3X GAD 27 Connector Kit	10-05938	**$85.00**
--	--	Installation Kit for Garmin GPS 20A	11-13820	**$30.00**
--	010-01765-00	GDU™ 470 7-inch display, GPS Display, AM Portrait (Display Only)	11-14969	**$2,995.00**
--	010-01056-00	GDU™ 450 7-inch display, GPS Display, AM Landscape (Display Only)	10-05740	**$2,995.00**
--	010-01056-10	GDU™ 455 7-inch display, GPS Display, AM, SXM Landscape (Display Only)	10-05742	**$3,495.00**
--	010-01057-00	GDU™ 460 10.6-inch Landscape (Display Only)	11-12642	**$3,895.00**
--	010-01057-10	GDU™ 465 10.6-inch GPS Display, AM, SXM Landscape (Display Only)	11-12645	**$4,395.00**
--	K10-00016-03	G3X LRU kit with GSU 25B, GMU 22, GTP 59 and configuration module	11-14961	**$2,599.00**
--		GAP 26 Heated & Regulated Pitot Tube 28V	11-14963	**$399.00**
--		G3X Add-on Vertcal Power or GAD 27 Harness	11-14964	**$250.95**
--	011-02950-01	GSA 28 Connector Kit Right Angle (One Per Servo)	11-14918	**$110.00**
--	010-12150-02	GDU 470 7" Install Kit	11-15037	**$65.00**
--	011-04349-90	GMU 11 Connector Kit	11-15066	**$30.00**
WWW.AIRCRAFTSPRUCE.COM FOR GARMIN G3X IFR SYSTEM				

GARMIN® G3X™ SYSTEM SENSOR KITS

The Garmin® G3X System Sensor Kits include the GSU 25, GMU 11, GTP 59 and Configuration Module.
Bundled Components for Your G3X Touch™ System
• Affordable, bundled sensor kits help simplify the installation of G3X Touch avionics in your experimental amateur-built (EAB) or light sport aircraft (LSA)
• Working behind the scenes, the sensor kit modules provide highly accurate inputs of aircraft attitude, heading, speed, position, acceleration, air temperature and other essential air data to your G3X or G3X Touch flight display system
• To match componentry with aircraft capability, choose a standard or high-performance sensor kit
• Supports a wide variety of G3X and G3X Touch flight displays and panel configuration
High Performance...................... P/N 11-14961 .... **$2,599.00**

GARMIN GMC 507 AUTOPILOT CONTROL HEAD FOR G3X

When installed with G3X Touch flight displays, the GMC 507 offers alternative, dedicated autopilot controls. While autopilot features can be selected using the touchscreen controls on G3X Touch flight displays, this unit allows for easier pitch, vertical speed and airspeed adjustments by using the control wheel. Additionally, separate knobs allow easy twist-control of heading/track and altitude. And for added safety, the controller's dedicated LVL mode button commands automatic recovery from steep or unusual attitudes, prompting the autopilot to return the aircraft to straight-and-level flight.
An Advanced Autopilot Mode Controller for Your Airplane
• Dedicated controller for advanced Garmin autopilot modes
• Control wheel for speed selection
• Dedicated heading/track and altitude knobs
• LVL mode button commands automatic recovery from steep or unusual attitudes
• Dedicated heading and track buttons
Note: G3X Touch system must be running software revision 5.70 or later... P/N 11-16219.......................... **$1,099.00**

GARMIN GTX 335 DIGITAL TRANSPONDER

All-inclusive 1090 MHz ADS-B "Out" Transponder Solution:
• Satisfies NextGen equipage require ments for ADS-B "Out"
• 1090 MHz output enables aircraft to operate at any altitude, in air space around the globe
• Combines Mode S Extended Squitter (ES) transponder and optional WAAS/GPS position source in a single unit
• Useful display features include flight time, count-up and count-down timers, plus current pressure altitude readout
• Easy replacement for your existing transponder, with common 1.65-inch tall form factor

PANEL MOUNT

Part No.	Description	Price
11-15034	GTX 335 Unit Only	$2,995.00
11-14167	GTX 335 with 4ft harness	$2,850.00
11-14168	GTX 335 with custom harness	$2,896.00
11-15035	GTX 335 GPS with 4ft harness	$3,099.00
11-15420	GTX 335 with GAE 12 / 4ft harnesss	$3,364.00
11-15036	GTX 335 GPS with custom harness	$3,399.00

REMOTE

Part No.	Description	Price
11-14171	GTX 335R with 4ft harness	$2,922.00
11-14172	GTX 335R with custom harness	$2,967.00
11-14173	GTX 335R GPS with 4ft harness	$3,625.00
11-14174	GTX 335R GPS with custom harness	$3,667.00

GARMIN GTX 345 DIGITAL TRANSPONDER

All-in-one Transponder Solution for ADS-B "Out" and "In" • 1090 MHz ADS-B "Out" enables aircraft to operate at any altitude, in airspace around the globe • Combines Mode S Extended Squitter (ES) transponder and optional WAAS/GPS position source in a single unit • Provides access to dual-link ADS-B "In" traffic and subscription-free weather on compatible displays • Wirelessly stream weather, traffic, GPS position and backup attitude via Connext™ link to Garmin Pilot™ and ForeFlight Mobile apps as well as the aera® 795/796 portables • Easy replacement for your existing transponder, with common 1.65-inch tall form factor

PANEL MOUNT

Part No.	Description	Price
11-14175	GTX 345 with 4ft harness	$4,539.00
11-14176	GTX 345 with custom harness	$4,589.00
11-14177	GTX 345 GPS with 4ft harness	$5,470.00
11-14178	GTX 345 GPS with custom harness	$5,520.00

REMOTE

Part No.	Description	Price
11-14179	GTX 345R with 4ft harness	$4,766.00
11-14180	GTX 345R with custom harness	$4,816.00
11-14181	GTX 345R GPS with 4ft harness	$5,468.00
11-14182	GTX 345R GPS with custom harness	$5,526.00

GARMIN GAE12 ALTITUDE ENCODER

Conveniently mounts to the transponder back plate for easy installation and service, precluding the need for a static leak check after removal of the transponder for maintenance. The altitude encoder is configured using either the configuration interface on the display units or via the PC based install tool. The encoder can be used at altitudes up to 30,000ft.& can be configured to output the data to a GTN Navigator. This unit is only compatible with the GTX 335(R)/345(R). P/N 11-14162 ....**$249.00**

GARMIN GTX 330 ES TRANSPONDER

Note: Sold with harness. Cannot be sold without harness.
A panel-mounted Mode S digital transponder series with traffic datalink capability and dedicated pushbutton keys for squawk code selection. With IFR-certified ES, or Extended Squitter, versions of the GTX 330, this offers an affordable pathway to ADS-B compliance for the Next Generation airspace system. Enables transponders to automatically transmit more accurate, and more useful, traffic surveillance data. Certified to TSO-C166b, authorization for 1090 MHz extended squitter transmission. The ADS-B reports provide ground controllers with considerably faster updates than traditional radar
All the features of the standard GTX 330 transponder are retained in the ES version. Unit dimensions, WxHxD: 6.25"W x 1.65"H x 11.25"D (15.9 x 4.2 x 28.6 cm). Weight: 4.2 lb (1.9 kg). In the Box: GTX 330/330D transponder, Installation Kit, and Pilot's Guide.
GTX330 to 330 ES Upgrade ....P/N 10-05899 ......**$1,225.00**

GARMIN GMA 342 AUDIO PANEL

Affordable Audio Control for Your Certified Avionics
Draws on top-end Garmin audio technology for "home theater" quality sound with dedicated music volume knobs for pilot and copilot. 3D Audio processing helps pilots "locate" inputs coming into their headsets, Advanced Auto Squelch technology automatically adapts to quiet or noisy environments without clipping words or cutting out during conversation. Digital voice recorder offers instant replay of comm radio inputs.
Offers slide-in replacement upgrade for GMA 340 and select third-party audio panels.
For pilots who want the best of the basics in audio control, combined with rich "home theater" quality sound, the GMA 342 all-digital audio panel is a perfect fit. It's affordably priced yet loaded with features previously found only on high-end audio management systems. Plus, for easy system upgrade, it offers direct slide-in replacement for legacy GMA 340 or select third-party audio control panels. So it doesn't take long for your installer to pull out the old and slide in the new.
P/N 11-14973 ......**$1,589.00**

GARMIN GMA 345 AUDIO PANEL WITH BLUETOOTH®

Bluetooth® Audio Panel for Your Certified Avionics. Bluetooth connectivity enables easy access to phone calls and audio entertainment. Draws on top-end Garmin audio technology for "home theater" quality sound with dedicated music volume knobs for pilot and copilot. 3D Audio processing helps pilots "locate" inputs coming into their headsets. USB charging port provides power for smartphones, tablets, music players and more. Offers slide-in replacement upgrade for GMA 340 and select third-party audio panels.

Description	Part No	Price
GMA 345	11-14972	$1,640.00
GMA 345/342/340 6 Place Custom Harness	11-13333	$499.95
GMA 345/342/340 4 Place Custom Harness	11-13334	$449.95
GMA 345/342/340 2 Place Custom Harness	11-13335	$399.95
GMA 345 New 3-Comm Version	10-06606	$1,965.00

GARMIN GTX 325 MODE C TRANSPONDER

Offering a simple, affordable replacement for standard Mode C transponder units in aircraft that don't fly in ADS-B mandated airspace — or that will be equipped with a separate UAT ADS-B transceiver solution — the GTX 325 transponder is a reliable, TSO-certified problem solver. Its solid-state design works to maximize service life and assure dependable ATC traffic surveillance.
Note: For ADS-B compliance, the GTX 325 requires that the aircraft is equipped with a UAT ADS-B solution, like the GDL 82.
P/N 11-17184 ......**$1,995.00**

GARMIN GTX 327 MODE C TRANSPONDER

This full-featured, TSO certified transponder brings a unique level of functionality and utility to your airplane. Its solid state transmitter provides 200 watts nominal power output and eliminates the need for a cavity tube which will eventually fail and require expensive replacement. Some of the GTX 327 biggest features are the easiest to see. Among them, the easy-riding DSTN Liquid Crystal Display which reverses yellow numbers out of black for optimal viewing. An innovative keypad makes entering a squawk code a snap. And a dedicated VFR button allows for quick and easy 1200/VFR squawking.
GTX 327 with Harness ....P/N 11-00329 ......**$2,022.00**

GARMIN GTX 328 MODE-S TRANSPONDER

Note: Sold with harness. Cannot be sold without harness.
Designed exclusively for Europe, GTX 328 satisfies the European requirement for a Mode S solution that meets the reduced certification requirements for the VFR Mode S mandate. GTX 328 is intended to serve VFR/Class 2 aircraft where there is adequate size and power consumption support for a GTX 328 unit and is a straightforward retrofit. GTX 328 offers the same great value, reliability and innovation that pilots and aircraft owners have come to know from Garmin — at an affordable price...P/N 11-05275 ......**$2,565.00**

AV

GARMIN GTR 225/GNC 255 VHF NAV/COM RADIOS

Replacement products for the popular SL30 and SL40 models. Meets the requirements of the 8.33 kHz channel spacing mandate recently enacted by the European Union under the Single European Sky (SES) initiative. The GNC series NAV/COM radios offer all of the same COM features, while also adding navigation capability with VOR/ILS with Glideslope. The GNC series works well with select Garmin flight displays including the G500, G600, G500H and G3X to display the NAV indicators in the primary field of view, and can integrate with most autopilots. The GTR and GNC series are more powerful than their SL-series predecessors with versions available with 10- or 16-watt transmit power. The GTR 225 includes 10 watts of transmit power and 25 kHz frequency spacing. All products in the series have received the Federal Aviation Administration's (FAA) Technical Standard Order (TSO) authorization.

GTR 225 Com 10W with 5 ft. Harness .... P/N 11-11351 .**$2,005.00**
GTR 225A Com 8.33 KHZ 10W with Harness P/N 11-11352 .**$2,568.00**
GTR 225B Com 8.33 KHZ 16W with Harness P/N 11-11353 .**$3,574.00**
GTR 225 COM with Custom Harness .... P/N 10-05721 .**$2,015.00**
GNC 255A Nav/Com 8.33 KHZ 10W with Harn... P/N 11-11354 .**$4,021.00**
GNC 255B Nav/Com 8.33 KHZ 16W with Harn... P/N 11-11355 .**$4,851.00**

Important Notes: • This is for experimental aircraft use only. • See Harness tab for unit details. • Standard Kit comes with Rack, Connector Kit, and Back plate. • "Standard Kit + Harness" model includes all the same + the harness. Includes Rack, Connector Kit, Back plate, and selected harness.

GNC 255B / GTR 225B NVG

NVG Capable COM and NAV radios. The GNC NAV/COM and GTR COM series of radios are now even better with the addition of new, NVG capable versions.

GNC255B Standard.....................................P/N 10-05787 ......**$5,685.95**
GTR225B Standard.....................................P/N 10-05788 ......**$4,133.95**

GARMIN GTR 200 PANEL MOUNT COM RADIO

The GTR 200 panel mount comm radio for experimental and light sport aircraft that offers a slim design and powerful features, including advanced auto-squelch, 3D audio, stereo intercom, stereo music input, alert inputs, best-in-class standby frequency monitoring, on-screen frequency identification, and much more. The GTR 200 is the first to integrate advanced audio panel features like a two place auto-squelch stereo intercom, which senses the amount of sound in the cockpit and automatically adjusts the mic squelch for effortless intercom use regardless of the cockpit noise level. With its advanced integration with the Garmin G3X glass flight display, or other compatible Garmin portable products, the GTR 200 is able to receive a frequency and identifier in the comm's standby position directly from the G3X's waypoint page, allowing the pilot to ensure accurate transfer and reduce workload.

Description	Part No.	Price
Garmin GTR 200 Com Radio - Standard Kit	11-11999	$1,199.00
Garmin GTR 200 Com Radio - Standard Kit + Harness to Audio Panel	11-12085	$1,343.00
Garmin GTR 200 Com Radio - Standard Kit + 2-Place Harness with Jacks Attached	11-12003	$1,447.00
Garmin GTR 200 Com Radio Standard Kit + Custom Harness	11-12084	$1,484.00

This is for experimental aircraft use only. Standard Kit comes with Rack, Connector Kit, and Back plate. "Standard Kit + Harness" model includes all the same + the harness.

GARMIN GTR 200B WITH BLUETOOTH

The Bluetooth-enabled GTR 200B combines state-of-the-art features from a comm radio and two-seat intercom to reduce pilot workload. Bluetooth connectivity adds more functionality to the cockpit, giving pilots the option to wirelessly connect a smartphone or tablet to the GTR 200B. Pilots can easily make phone calls and listen to audio entertainment, or call Flight Service to obtain a take-off clearance at an uncontrolled airport – all through the radio.

Description	Part No.	Price
Without Harness	11-17116	$1,395.00
4 ft Harness to Audio Panel	11-17119	$1,539.00
4 ft Harness with Jacks	11-17118	$1,643.00
With Custom Harness	11-17122	$1,682.00

GARMIN GPS 175 GPS NAVIGATOR WITH GA 35 GPS ANTENNA KIT STC

Big capabilities come in a small package with the GPS 175 navigator. With its bright, clear high-resolution touchscreen display, you can have the advanced navigation functions you've always dreamed of. Entering flight information is a cinch, and accessing every function is fast and easy. It's equally at home in certificated aircraft or an experimental aircraft. And it's the same 2" height as older navigation equipment and can allow you to keep the legacy composite CDI already in your aircraft to minimize installation cost[1]. That makes GPS 175 the smart, affordable way to add next-generation navigation to your favorite airplane..P/N 11-17226 ......**$4,295.00**

GARMIN® GNX™ 375 GPS NAVIGATOR + ADS-B OUT / IN TRANSPONDER WITH HARNESS

LPV Approaches and ADS-B "In"/"Out," Priced for Your Aircraft Slim, all-in-one touchscreen GPS navigator and ADS-B transponder for Part 23 Class I/II aircraft (weighing less than 6,000 lbs) and experimental/amateur-built aircraft P/N 11-17276................**$6,974.00**

GARMIN GMA 350 AUDIO PANEL

Note: Per Garmin we cannot sell the GMA 350 to certified aircraft. For experimental aircraft please contact us for the wire harness form that is required and allow 2-3 weeks to ship.

The first truly all-digital audio panel, Garmin's GMA 350 introduces a number of new technologies to the cockpit, including voice recognition, 3-D audio processing, advanced auto squelch and more.

GMA 350 Audio Panel................................ P/N 11-09667......**$1,908.00**
GMA 350H Audio Panel .... P/N 11-09668......**$2,242.00**
GMA 350C (Standard) w/ install kit............. P/N 11-13824......**$2,042.00**
GMA 350C (Remote) w/ install kit............... P/N 11-13825......**$2,695.00**
GMA 350HC (Helicopter) w/ install kit......... P/N 11-13826......**$2,433.00**

The Garmin GMA 350 can only be sold over the counter to expermental aircraft (must verify) with harness. For certified aircraft, it must be installed by a Garmin Dealer. Please call 1-800-826-3160 for partner shop location for certified installs. (price of installation not included)

GARMIN GMA 35 REMOTE AUDIO PANEL

Note: Per Garmin, Aircraft Spruce can only offer this product to experimental aircraft with harness Features: • Remote mounted for use with the GTN 750 series • 6 or 7 position intercom: pilot, copilot, 4 or 5 passengers • 3 stereo headset amplifiers: pilot, copilot and passengers • 2 stereo music source inputs • Up to 8 selectable intercom operational modes with synoptic intercom routing • Independent pilot, copilot and passenger intercom volume controls • Individual VOX processing for each MIC input • Automatic selection of radio audio source when corresponding MIC is selected • Automatic volume adjustments based on ambient sound levels • Flexible split COMM transceiver function. Copilot may transmit and receive on one COMM while pilot transmits and receives on another. • Marker beacon receiver... P/N 11-12196......**$2,575.00**

GARMIN GTN 635 GPS / COM SYSTEM USA

TThe 2.64" GTN 635 puts high resolution terrain mapping, graphical flight planning, multiple weather options and traffic display right at your fingertips. GTN 635 Features: • GPS TSO'd to C146c, authorized for Class 1,2,3 (LPV) • GPS WAAS-certified to Gamma-3 approach capability • WAAS-corrected GPS signal accuracy to 1 M RMS • graphical flight planning (including airway navigation) • VHF COMM transceiver: 8.33 or 25 kHz channel spacing • com transmit power: 10 W standard, 16 W optional • extensive optional interface capabilities: lightning, weather, traffic and TAWS-B terrain alerting • integrated control/display for remote transponder • flight control system interface for select autopilots • optional XM WX Satellite Weather and SiriusXM Satellite Radio • SafeTaxi® airport diagrams • award-winning product support and 2-year warranty • Unit dimensions, WxHxD:6.25"W x 2.65"H x 11.25"D (15.9 x 6.7 x 28.6 cm) • Display size, WxH: 4.46"W x 1.98"H (11.33 x 5.02 cm); 4.9" diag (12.4 cm).

GTN Unit Only ....P/N 11-11281 ....**$8,407.00**
GTN Unit and Harness ....P/N 11-11282 ....**$9,564.00**
GMA 635 With Custom Harness ....P/N 11-12958 ....**$8,441.00**

AV

GARMIN GNS 430W

All-in-one GPS/Nav/Comm solution. It features a WAAS-certified GPS, 2280-channel capacity comm and 200-channel ILS/VOR with localizer and glideslope. High-speed 5 Hz processing makes navigation calculations and map redraw rates five times faster than earlier GNS series navigators.

Built-in WAAS navigation capabilities. It is approved to fly LPV "glideslope" approaches without reference to ground-based navaids of any kind. Featuring an advanced 15-channel receiver capable of five position updates per second, GNS 430W meets the FAA's stringent TSO C146a standards for WAAS "sole means" navigation — providing vertical and lateral approach guidance into thousands of U.S. airports previously inaccessible in IFR conditions.

4-inch high-contrast display with brilliant colors makes it easy to read and interpret pilot-critical information. Conveniently scan information from wide viewing angles, even in direct sunlight.

Integrates built-in terrain and navigation databases, providing a clear, concise picture of where you are and where you're heading. The 430W's huge Jeppesen® database, updated with front-loading data cards, contains location reference for all airports, VORs, NDBs, Intersections, Flight Service Stations, published approaches, SIDs/STARs, Special Use Airspace and geopolitical boundaries.

GNS 430W/530W Wiring Harness	P/N 11-06749	**$328.00**
Navishield 430 Screen Protector	P/N 05-04224	**$12.95**
Flight Plan Data Card	P/N 11-07593	**$324.00**
Power Simulator Cable	P/N 11-04870	**$58.75**

> **The Garmin GNS 530W/430W can only be sold over the counter to expermental aircraft (must verify) with harness. For certified aircraft, it must be installed by a Garmin Dealer. Please call 1-800-826-3160 for partner shop location for certified installs. (price of installation not included)**

GARMIN GMA™ 245/245R AUDIO PANELS

GMA 245 and GMA 245R, all-digital, Bluetooth audio panels designed for experimental amateur-built (EAB) and light sport aircraft (LSA). The GMA 245 is a panel-mount audio panel with a rich set of convenient and simple-to-use controls, designed to interface with the G3X Touch™ flight display. These Bluetooth-enabled audio panels boast superior sound quality and an impressive list of additional features such as industry-leading auto squelch, music bass boost, advanced equalizer settings, 3D Audio processing, wireless integration with the VIRB® XE action camera and more. When interfaced to the G3X Touch flight display, both audio panels introduce more capabilities that allow for convenient wireless communication and offer advanced integration potential that provides pilots with an exclusive in-flight experience.

GMA 245 Panel Mount	P/N 11-14308	**$1,325.00**
GMA 245R Remote Mount	P/N 11-14309	**$1,199.00**

GARMIN 430 GPS GOAL PAGE SET-UP TRAINING MANUAL

This spiral bound book contains over 300 pages of clearly described procedures for the operation of the Garmin GNS-430. From updating the data system to shut down each phase of operation is explained with full color screen shots to help students relate to the real unit. .... P/N 17-00050 .... **$65.50**

GARMIN GAD™ 29 DATA BUS CONVERTER

GAD 29 is an affordable ARINC 429 avionics data bus module that can be used to interface up to 2 IFR-capable GPS navigators with the G3X, G3X Touch and G5 series electronic flight displays. It can also be used to adapt the GTX 800 series active traffic system for use with G3X and G3X Touch displays.

This compact GPS/navigation data adapter, when installed with the GTN 750 or GTN 650 series or legacy GNS 530 or GNS 430 navigators, can enable such advanced features as GPS steering, WAAS LPV vertical approach guidance, HSI map navigation, coupled VNAV and more for access via your compatible flight display system.

P/N 11-15425 .... **$499.99**

GARMIN GMU 22 MAGNETOMETER

The GMU 22 triaxial magnetometer is a remote-mounted device that interfaces with an Air Data, Attitude Heading Reference System (ADAHRS), such as GSU 25 and GSU 25B, to provide flight attitude and heading data for flight instrumentation. ADAHRS and GMU 22 replace traditional rotating mass instruments.

P/N 11-16609 .... **$399.00**

GARMIN GDL 82 BUILT-IN GPS ADS-B KIT

The GDL 82 Automatic Dependent Surveillance-Broadcast (ADS-B) datalink, is the latest addition to the comprehensive lineup of certified ADS-B solutions available from Garmin. GDL 82 is a small, lightweight Universal Access Transceiver (UAT) datalink with a built-in GPS receiver. For aircraft owners looking for an economical and turnkey solution to satisfy the requirements of ADS-B "Out", GDL 82 is a straightforward path to meet regulatory requirements.

GDL82 with GPS Kit	P/N 11-15319	**$1,795.00**
GDL82 with GPS Kit& 10 ft Harness	P/N 11-15986	**$1,832.00**

GARMIN G3X GMC 307 CONTROL PANEL

High-end Capability for Your G3X™. Dedicated controller for advanced Garmin autopilot modes. Control wheel for altitude selection. Dedicated heading and altitude knobs. LVL mode button commands automatic recovery from steep or unusual attitudes. Allows for standalone operation of the autopilot. The GMC 307 control panel offers a dedicated interface for G3X autopilots in experimental and light sport aircraft. .... P/N 11-13822 ...... **$1,099.00**

GARMIN GI-106B CDI

Stay on course with the GI 106B, a high-quality course deviation indicator from Garmin. The panel-mounted GI 106B includes a VOR/LOC/GPS needle as well as a glideslope needle, which can be hidden and disabled by an installer if the glideslope functionality is not needed. The GI 106B contains LED-lit GPS, NAV and VLOC mode annunciators, for an easy-to-read and modern look. TO/FROM annunciators are also LED, and when invalid, the needles are simply hidden out of the pilot's view instead of using conventional invalid flags. The GI 106B is compatible with the same pinout connections as the legacy GI 102A and GI 106A course deviation indicators, allowing for an easy upgrade path. It also features anti-reflective lenses and LED flood lighting for viewing at night.

With Install Kit .... P/N 10-05960 ...... **$2,395.00**

GARMIN GDL® 51 SIRIUSXM / GPS RECEIVER

Providing an easy-to-use and completely portable aviation satellite link, the compact GDL 51 SiriusXM receiver lets you access continuous, detailed weather information — plus more than 150 channels of digital-quality music, news, sports and other entertainment programming. Better still, you can use our Connext® wireless connectivity to stream SiriusXM services onto multiple Garmin aviation portables (including aera® 660, aera 796 or aera 795 series) as well as iPad® tablets and other mobile devices with the Garmin Pilot™ app. So you get more access — on more devices — without spending more money.

GDL 51 Portable .... P/N 11-15317 .... **$649.00**

GARMIN GDL® 52 ADS-B / SIRIUSXM / GPS RECEIVER

Note: For use with the Garmin Pilot App and other Garmin Portable systems only.

Note 2: GDL 52 can only receive ADS-B information in the USA.

Receive SiriusXM Aviation satellite weather and digital audio entertainment[1] plus subscription-free ADS-B U.S. datalink weather[2] and traffic. ADS-B "dual-link" traffic with TargetTrend™ and TerminalTraffic™ technology[3]. Wireless connectivity for display on select mobile device apps and Garmin portables. Provides GPS position data, backup attitude[5] and more. Receive the first three-months of a monthly subscription to the SiriusXM Pilot Preferred aviation weather package and the SiriusXM All Access audio programming package at no cost with GDL 52.

GDL 52 Portable	P/N 11-15315	**$1,149.00**
GDL 52R Remote	P/N 11-15316	**$1,149.00**

GARMIN BASE MOUNT FOR GDL® 51 / 52 MOUNTING BRACKET

Stability and mobility all in one! Our base mount will keep your compatible aviation unit secure and in reach for navigating on the fly. .... P/N 11-15524 .... **$24.50**

KING KSN 770 INTEGRATED SAFETY NAVIGATOR

An affordable, WAAS-Enabled, Integrated MFD with a flexible hybrid user interface. Features: • High-res VGA display (5.7" diagonal, 5.25" high). • Hybrid user interface • Electronic charts and maps. • WAAS GPS enroute and approach navigation system. • **TCAS and Radar, **TAWS and Stormscope. • XM WX interface. • 10W COM with optional high-power 16W COM.-Digital radio core • Analog and digital inputs/outputs. • EPIC/APEX FMS Core. • Simple to use • Affordable pricing • Enhanced ground proximity warning system (option). • Nav/Com (10W Com with 16W option) ....P/N 11-12340 ....**$10,908.00**

SILVER CROWN KX-165A NAV/COM SYSTEM

Large, self-dimming, microprocessor-controlled gas discharge readouts and solid-state electronic tuning provide fast, accurate selection of all 200 Nav & 760 Comm frequencies. On the COMM side, the KX165 system gives you 10W minimum transmitter power for maximum range and clarity. And on the NAV side, the KX165's useful 'Radial' feature offers you an instant readout of the radial you're on (from the 'active' VORTAC station), digitally displayed in the 'standby' NAV frequency window. The KX-165A is TSO'd and offers 32 channels of com frequency memory, an additional CDI mode. The GPS "Quick Tune" feature allows the pilot to select and remotely tune the standby com & nav freq. from the KLN94 GPS 28V

25 khz...P/N 11-00644 ......**$4,995.00**
8.33 khz..P/N 11-16032 ......**$5,504.00**

CROWN KX 125 DIGITAL NAV/COM

The KX-125 is ideal as a replacement radio, a primary system for homebuilts or a very affordable back-up. COMM section provides 760 frequencies, 'flip-flop' frequency selection, a built-in audio amplifier with sidetone and audio leveling, direct tuning, stuck-microphone alert, and even remote transfer of both COMM and NAV frequencies. Its separate NAV section offers 200 frequencies, including localizer. Includes unit, install kit, nd manual.

14V ....P/N 11-03844 ......**$5,074.00**
KX-125 Unit Only..P/N 11-02585 ......**$4,195.00**

CROWN KI SERIES INDICATORS

The KI203, KI208, KI204, & KI209 indicators feature an internal VOR/ LOC converter and are compatible with the KX155 transceiver. The KI203 & KI204 have rectilinear meter movement, while the KI208 & KI209 feature pivot needle action. The KI206 has rectilinear meter movement and works with the KX165 & KNS80. The KI209 includes GPS interface capability. Size: 3.125" x 8"D; Weight: 1.5lbs.

KI 203 NAV Indicator...................................P/N 11-03407 ......**$1,825.00**
KI 204GS Indicator ....P/N 11-03408 ......**$3,305.00**
KI 209A GS Indicator ....P/N 11-03409 ......**$2,735.00**
KI 208A 14/28V with install ....P/N 11-07599 ......**$2,199.00**
KI 209 GS Indicator....................................P/N 11-00878 ......**$2,297.00**
KI 206 GS Indicator ....P/N 11-04209 ......**$2,295.00**
Approach KI 204 Indicator Cable ....P/N 11-05669 ....**$154.95**

BENDIX/KING XVUE TOUCH FLIGHT DECK SYSTEM

The xVue Touch is centered around an industry leading 10.1" display with a near 4K resolution and 1000 nits of luminescence. This stunning and intuitive interface places all critical functions just two touches away on its anti-glare, anti-smudge, and anti-scratch display. With cutting edge 97% touch accuracy, it is easy to control all of the functionality that comes standard with the system, including SmartView Synthetic Vision, Vertical Situation Display, and ADS-B In weather and traffic display. These features, within a variety of possible screen configurations, lead to improved situational awareness and safety.

P/N 11-16286 ......**$5,754.00**

BENDIX/KING KT 74 TRANSPONDER

The KT 74 transponder from Bendix/King is the easiest upgrade to the popular KT 76A/C and KT 78A models, with a 'plug and go' capacity. And it's ADS-B compliant, therefore meeting all 2020 requirements. It is low-cost, easy to install and fits into your existing panel. Suiting your needs now and in the future.
KT 74 ADVANTAGE: • Retrofit - 'plug and play' installation • Low-cost solution that will offset future costs • Low power consumption • ETSO and TSO approved Mode S • Accurate readings with updates every few seconds • More efficient routing and better situational awareness • Meets ADS-B 2020 requirements* ....P/N 11-12038 ......**$2,865.00**

CROWN KY 96A & KY 97A COM

Bendix/ King has designed the KY 96A and KY 97A to operate on 760 frequencies from 118.00 MHz to 136.975 MHz. You can switch between active and standby frequencies. Simply tune the desired frequency into the standby window ("STBY") while monitoring the "USE" channel-when the time is right, simply push the frequency transfer button to transfer the standby frequency into the active window. A remote switch may be installed as an additional means of providing the "flip-flop" function. Up to nine channels can be easily programmed by the pilot into the memory of the KY 96A or KY 97A. The KY 96A & KY 97A remember displayed frequencies and stored frequencies without batteries or external hookup during power shutdown or in the event of a power interruption and have an easy-to-read, illuminated LCD display.

KY 96A (28V) ....P/N 11-03411 ......**$3,370.00**
KY 97A (14V) ....P/N 11-03410 ......**$3,778.00**
KY 97A Unit only ....P/N 11-02583 ......**$3,580.00**
Accessories
King Install Manual KY96A/97A ....P/N 11-18005 ....**$231.95**
KY 96A / KY 97A Install Manual CD............P/N 11-02374 ....**$5.95**
Approach KY 96A / 97A COM Cable ....P/N 11-05666 ....**$169.95**

CROWN SERIES KT-76A MODE C TRANSPONDER

The KT76A is a panelmount, class 1-A transponder and provides maximum performance at any altitude up to 35,000 ft. A compact unit with Large Scale Integrated (LSI) circuitry, reducing both weight and power requirements. All Mode A & Mode C transponders perform the same functions: replying to radar interrogations, providing Air Traffic Control (ATC) with positive identification, and showing your ground speed on the Controller's radar monitor. If you have an encoding altimeter or blind encoder, the transponder will transmit your altitude as well.

KT76A 06 14V (Transponder) ....P/N 11-02438 ......**$1,628.00**
28V Dropping Resistor ....P/N 11-00913 ....**$210.75**
Replacement Bulb Container ....P/N 11-00522 ....**$19.95**
14V Without Harness ....P/N 11-02440 ......**$1,831.00**
28V Without Harness ....P/N 11-02441 ......**$2,042.00**

KING SILVER CROWN KT 76C MODE C TRANSPONDER

The unit features a bright, gas plasma display that shows the selected transponder code and, in a new feature, the encoder altitude output.The KT 76C will fit directly into the existing location of a KT 76A. However, in 28V installations the existing dropping resistor must be bypassed. Unit operates from 11-33VDC. Available with or without antenna.

Without KA 61 Antenna...............................P/N 11-03413 ......**$2,918.00**
With KA 61 Antenna Without Harness ....P/N 11-03414 ......**$3,118.00**

SILVER CROWN KY 196A & KY 197A COM

This unit measures a trim 1.3" x 6.3" and weighs just 2.8 lbs. The 28V KY196A delivers 16W minimum transmit output power and the 14V KY197A delivers 10W minimum transmit output power. Both units incorporate solid-state construction, with a digital frequency synthesizer generating all COMM frequencies. Total frequency storage capacity is eleven, including those in "USE" and "STBY". The 118.00MHz to 136.975MHz range of the KY-196A & KY-197A provide 760 COMM frequencies. An audio leveling feature automatically amplifies weak audio signals and mutes strong signals.

KY 197A (14V) ....P/N 11-03848 ... **$6,190.00**

BENDIX KING UPGRADES

AV

SILVER CROWN KMA 24 AUDIO PANEL

Bendix/King's easy-to-use KMA 24 & KMA 24H systems are self-contained, all solid-state and stand only 1.3" high in your Silver Crown stack. The "slant top" package tailors it for the top slot in your instrument panel. KMA 24 controls as many as 3 transceivers and 6 receivers, including the internal marker beacon receiver and its automatically dimmed 3-light presentation. KMA 24H controls up to 5 transceivers and 5 receivers, or 4 transceivers and 6 receivers. KMA 24H includes the internal marker beacon receiver & VOX intercom, which provides unprecedented flexibility.
KMA 24 with HF Auto..................................P/N 11-03381 ......**$2,225.00**

CROWN KR 22 AUDIO PANEL

The Bendix/King KR 22 Marker Beacon Receiver is a fully independent panel-mounted unit with its own audio output and self-test feature. The unit is all solid-state, and its compact size makes it an easy fit in virtually any panel. A crystal-controlled superheterodyne receiver and 3-light presentation ensures that the KR 22 will give precise visual and aural indications of marker beacon passage. Excellent receiver selectivity eliminates interference. Headphone audio is provided, or if speaker output is desired, the KR 22 may be interfaced with the KA 134 or other audio control panel. ....P/N 11-03843 ......**$1,395.00**

BENDIX KING KMA 30 AUDIO PANEL

The KMA 30 is a convenient "slide in" replacement for select older audio panels. Saves the expense of re-wiring the entire avionics suite. Music and phone Bluetooth® capability provides unsurpassed audio flexibility throughout your airplane. Makes it simple for the pilot to control audio throughout the aircraft. Can even turn music on or off for the pilot while in isolate mode. Delivers full, duplex telephone capability.
KMA 30...P/N 11-11262 ......**$1,935.00**
Installation Kit ....P/N 11-11263 ....**$91.80**

> Honeywell Crown Series can only be sold over the counter. Silver Crown series can only be sold to expermental aircraft (must verify) with harness. For certified aircraft, it must be installed by a Honeywell Dealer. Please call 1-800-826-3160 for partner shop location for certified installs. (price of installation not included)

MICHEL TKM SLIDE-IN REPLACEMENT RADIOS

MX 11R COM

The MX 11 Comm is designed as a slide in replacement for the Narco Com 11, Com 11B, Com 111, Com 111B, and Com 120. The unit will replace the com 10 and Com 110 when the Nav 10 and Nav 110 are not used in the system. The MX 11 is warranted for 2 years. The MX 11 is the same unit as the earlier MX \-11 except it does not come with the tray. ....P/N 11-18815 ......**$1,828.00**

GLIDESLOPE ADAPTER CABLE FOR MX 12

Direct replacement for Narco MK 12...........P/N 11-18847 ....**$153.95**

MX 170C NAV/COM

An ideal Nav/Com unit to replace King KX 170 & 175 series Nav/Coms. 14VDC. Features active & standby display w/flip-flop capability, plus storage capability in Nav and Com.
P/N 11-18830 ......**$3,298.00**

MX 300B NAV/COM

The MX 300 Nav/Comm is designed to replace the RT 328T, RT 308C, RT 328T, RT 328A, RT 528A, RT 328C, RT 528E, RT 328D, and RT 508A. The MX 300 is available in the black face plate shown above or in a beige face plate to match many Cessna panels. The MX 300 operates on 13.75 vdc with 7 Adc maximum current in transmit.
With Black Face Cover................................P/N 11-18835 ......**$3,298.00**
With Tan Face Cover ....P/N 11-04825 ......**$3,467.00**

MX 385 NAV/COM

MX 385 is a direct replacement for RT385 & RT485 series Nav/Com units. Features active & standby displays w/flip-flop capability plus storage in Nav & Com.; 28VDC.

Black Face...P/N 11-18845 ......**$3,285.00**
Tan Face ....P/N 11-09203 ......**$3,298.00**

> Note: All Michel radios are furnished standard with black face. Tan face for Cessna panels are available at same prices on special order.

AV

KING KI208A-10 VOR/LOC INDICATOR

The KI 208A VOR/LOC Indicator with VOR/LOC Converter and GPS Switching Relays has internal lighting. Internal relays allows from switching between VHF Nav and GPS. It is used with the KX 155 or KX 155A and KLN 89, KLN 89V, or KLN 94. Specifications:
• Weight: 1.00 lbs. (0.45 kg) • Width: 3.25 in. (8.26 cm) • Power Required: 14/28 VDC @ 60 mA max. • Height: 3.25 in. (8.26 cm) • Length: 8.00 in. (20.32 cm) • Lighting Power: 14/28 VDC .... P/N 11-07599.......................... **$2,199.00**

KING INSTALLATION KITS

Model	Part No.	Description	Price	Model	Part No.	Description	Price
KMA 20	11-00897	Installation Kit	$528.00	KG 102A	11-00947	Installation Kit	$875.00
KMA 24	11-00898	Installation Kit	$184.75	KMT 112	11-00946	Installation Kit	$189.95
	11-00909	Mounting Tray	$178.75	KX 125	11-00916	Installation Kit	$279.95
KMA 24H-52	11-00899	Installation Kit	$189.95		11-00948	Mounting Tray	$315.00
	11-00909	Mounting Tray	$178.75	KLX 135	11-00053	Installation Kit	$194.50
KMA 24H-70/71	11-00902	Installation Kit	$189.95		11-00950	Mounting Tray	$242.95
KA 51B	11-00904	Installation Kit	$278.95	KX 155/165	11-00951	Installation Kit	$212.95
KN 53	11-00905	Installation Kit	$203.95		11-00952	Mounting Tray	$87.90
	11-00906	Mounting Tray	$334.00	KX 155/165 GS	11-00919	Installation Kit	$199.00
KN 62A/64	11-00908	Installation Kit	$199.95		11-00955	Mounting Tray	$340.00
	11-00925	Mounting Tray	$386.00	KY 196/197	11-00957	Mounting Tray	$519.00
KN 63	11-00929	Mounting Tray	$49.95	KY 196A/197A	11-00914	Installation Kit	$199.75
KN 72	11-00930	Installation Kit	$189.95		11-00915	Mounting Tray	$291.95
KT 76A	11-00912	Mounting Tray	$140.75	KI 203 thru 207	11-00958	Installation Kit	$192.50
	11-00913	28 Volt Kit	$210.75	KI 208/209	11-00922	Installation Kit	$209.95
KT 76A / 76C	11-00935	Installation Kit	$194.75	KI 209A	11-02342	Installation Kit	$205.00
KNS 80	11-00937	Mounting Tray	$327.00	KI 525A	11-00959	Installation Kit	$279.95
KR 87	11-00942	Installation Kit	$559.95	KDI 572	11-00961	Installation Kit	$279.95
	11-00943	Mounting Tray	$166.75		11-00962	Mounting Plate	$43.50
KLN 90B	11-00944	Installation Kit	$389.00	KGX WI131A	11-15382	Installation Kit	$304.95
KY 96A/ 97A	11-00914	Installation Kit	$199.75	KGX WI1315I	11-15383	Installation Kit	$30.75
	11-00915	Mounting Tray	$291.95	KGX GX1315I	11-15384	Installation Kit	$27.50

ICOM IC A220 TRANSCEIVER

Easy channel selection - It is fast and easy to select any of the memory channels in the IC-A220. The "flip-flop" arrow button switches between main and stand-by channels. The dual watch function allows you to monitor two channels simultaneously. Additionally, the improved auto stack memory stores the last 20 channels used and allows you to recall those channels easily.

GPS memory function - When connected to an external GPS receiver* equipped with an airport frequency database, the frequency data such as nearby airports can be transferred and made available. * Ask your dealer for available GPS receiver details.

12V/24V DC power source - The built-in DC-DC converter accepts a 12/24V (11.5–27.5V) DC power source. The IC-A220 is easily installed in most airplanes or vehicles.

Description	Part No.	Price
A220 Unit Only	11-13688	$1,195.00
A220 Unit + 2 place, 3ft Harness	11-12324	$1,423.00
A220 Unit with Custom Harness	11-12325	$1,471.00
A220 with PS-80 Base Station	11-13689	$1,995.00
A220 with MB-53 for Mobil Mount	11-13690	$1,449.00
A220 MBA-3 Rear Panel Adapter	11-14470	$82.90

ICOM HM-176 MICROPHONE

The iCOM HM-176 is the compatable microphone for the A210 A200 PS80. Works best with the A210 Air band panel mount transceiver with intercom and OLED display.

P/N 11-06208 .... **$146.75**

ICOM IC A220TSO TRANSCEIVER

The A220 TSO version meets RTCA-160G requirements for use in strict environments. This A220 version can be used for a primary VHF radio in general aviation (part 23) class aircraft. The A220 TSO version is also accepted for ETSO approval under the TSO/ETSO reciprocal acceptance policy. For information on what qualifies as a Part 23 aircraft go to the FAA site. Environmental Qualification Form The A220 TSO version can only be serviced by Icom America Inc. All repairs or adjustment must be performed by Icom America as per the TSO approval requirements.

A220TSO Only ....P/N 11-14551 ..... **$1,459.00**
A220TSO with 3Ft Harness ....P/N 11-14691 ..... **$1,686.00**

ICOM IC A210 CONNECTOR

Connector for the Icom A210 25 Comm Transceiver..............P/N 10-05914 ....**$16.55**

ICOM PS-80 BASE STATION

The PS-80 offers quick, easy installation of the IC-A210 in one compact desk-top unit that combines a power supply, speaker, microphone, headphone and antenna connectors. Power Supply is user selectable for 110 or 220/240 V AC operation and supports a full 7 Watt transmitter output. Large internal speaker booms out 5 watts of audio. Microphone, headphone and antenna connectors are standard in the PS-80 so no wiring is necessary. Just plug in your selected hand or desktop microphone or headphone and outside antenna and youre on the air. Optional SM-6 Desktop Microphone, HM-7 or MIC Hand Microphone and B-ANT Base Station Antenna to complete the package are available and sold separately. Radio not included (use 11-05839 for complete system) Specifications: * Input voltage: * 117 V AC +/- 10%, * 220 V AC +/- 10%, or * 240 V AC +/- 10% (selectable) * Output voltage: 13.8 V DC +/- 5% (negative ground) * Output current: 6 A * Duty rate: 1 hour for maximum current * Ripple voltage: Less than 20 mV rms * Useable Temperature Range: -10°C to +40°C; +14°F to +104°F * Dimensions (projections not included): 200(W) x 200(H) x 300(D) mm; 7.9(W) x 7.9(H) x 11.8(D) in   * Weight: 6.0 kg; 13.2 lb
Icom PS-80 Base Station ....P/N 11-14303 ....**$895.00**
Icom A210B PS-80 Microphone..................P/N 11-18581 ....**$288.95**
Base Station Antenna for Mounting Model B Antenna on top Buildings
P/N 11-18581 ....**$288.95**

ICOM A120 MOBILE COM RADIO

Icom's A120 air band mobile introduces two new features: Active Noise Cancelling (ANC) and Bluetooth® capabilities. The newly added built-in ANC reduces background noise and is effective in extremely noisy airport environments. The automatic noise limiter (ANL) reduces pulse-type noise such as engine ignition. Insert the optional UT-133 Bluetooth® unit and connect a third-party wireless Bluetooth® headset.

This unit is great for any mobile application and it's available in a base station. Both are built to mil spec for superb reliability!

ON-hook scan and dualwatch functions

The ON-Hook scan function automatically starts scanning when the hand microphone is hooked on the microphone hanger. When you take the microphone OFF hook, the scanning stops at the priority channel or displayed channel. The Dualwatch function checks the priority and operating channels alternatively.

Side tone function

When using a third-party headset with the optional OPC-871A headset adapter, the side tone function allows you to monitor your own transmitted voice via the connected headset. Even when using a hand microphone, your voice can be monitored from the headset.

Features:
• Compatible with both 12V and 24V systems
• Dualwatch and priority scan functions
• Power on password protection
• CI-V commands for external control
• Connect with other radio devices with the VE-PG3 RoIP gateway
Standard...P/N 11-14122 ....**$895.00**
With 120V Power Supply.............................P/N 11-14123 ....**$975.00**
With 220V Power Supply.............................P/N 11-14124 ....**$995.00**

ACCESSORIES

Description	Part No.	Price
Icom SP-30 20W Large External Speaker.	11-14125	$86.85
Icom VS3 Bluetooth Pendant Earpiece Mic with PTT	11-14126	$117.75
Icom HM216 Standard Mic for A120	11-14127	$37.95
Icom HM-217 Mic with Speaker and Programmable Buttons	11-14128	$78.95
Icom SM-26 Desktop Mic with Monitor Switch	11-14129	$71.75
Icom OP-C2275 5M Connection Cable	11-14130	$118.75
Icom OPC-1122U PC to Mobile Radio Programming USB Cable	11-14132	$78.75
Icom OPC-2344 Modular Connector Programming Cable	11-14133	$106.75
Icom ICT ICO11 120V Power Supply and Cabinet	11-16502	$157.90
Icom ICT ICO11 220V Power Supply and Cabinet	11-16503	$181.75
Icom OPC344 A110 / A120 Power Cable	11-16500	$12.65

AV

ICOM IC-A110-05B VHF AIR BAND TRANSCEIVER

The Icom IC-A110-05B is rugged and reliable for serious ground crew communications. The IC-A110-05B can plug right into an AC wall (110W) receptacle. Great for FBOs. The unit features a front mounted speaker, free from any obstacle blocking and puts out 10W of power for the external speaker. *Covers the 118-136.975 frequency range.

Features: * Equipped EEPROM system provides maintenance free memory backup capability, without the use of a separate backup battery * Various scan functions, such as VFO and priority scans are available * Limited number of keys for simple manipulation, but providing advanced multi-functions * A total of 20 memory channels are available * 36 W (pep) of powerful output, 9W (Carrier) output. * Excellent durability to cope with even the toughest workplace **Specifications** * Dimensions: 150(W)x 50(H) X 180(D) mm * Weight: 1.5kg; 3lb. 5 oz. * Warranty 2 years * Power supply requirement: 13.75 VDC and 27.5 VDC * Current drain: Transmitting: 5.0 A max, Receiving: 4.0 A * Operating temperature range: IC-A110(-30° C to +60° C); IC-A110EURO(-20° C to +55° C) * Frequency stability: IC-A110 (5 ppm)
Icom B-ANT Building Antenna......................P/N 11-18581 ....**$288.95**
Icom K220A Magnetic Mount Car Antenna ..P/N 11-06196 ....**$59.75**
Icom K220C Hole Mount Car Antenna ....P/N 11-06197 ....**$47.50**
Hand Microphone for A110..........................P/N 11-08864 ....**$38.95**

ICOM A16 VHF COM AIR BAND TRANSCEIVER

The A16 is built tough and rugged like all Icom radios. It is the smallest radio with the loudest audio on the market, featuring 1500 mW of powerful clear audio. Packed with 6 watts of power for longer range, the A16 is also waterproof to IP67 standards. The A16 is the ideal flight companion for the student pilot, for ground crew with one hand operation on the flight line, or as a back up in your ditch bag. Its 2400mAh Li-ion battery lasts over 17 hours, and the radio includes a sit-in rapid charger.

Standard...........................P/N 11-17236.........**$259.95**
with Bluetooth..................P/N 11-17237.........**$324.75**

ACCESSORIES FOR A16

Model	Description	Part No.	Price
BC213	Rapid Battery Charger	11-17240	$31.50
BP280	7.2V Battery	11-17238	$65.00
AD130	Adapter Cup for BC214	11-17239	$17.50
BC213NAC	Rapid Charger Cup for BP279 Battery	11-17241	$19.50
BC214E	Six Unit Charger for BP279/BP280 Radios	11-17243	$372.00
BC214	Six Unit Charger for BP279/BP280 Radios	11-17242	$372.00
HM240	Waterproof Aviation Speaker Microphone	11-17245	$89.00

ACCESSORIES FOR IC-24, A6, A14/S

Model	Description	Part No.	Price
CP20L	Cigarette Lighter adapter. DC-DC Converter. Will charge from 12-24 volts	11-03604	$48.50
OPC-478	Programming Cable	11-18563	$44.50
BP-210N	Icom Battery	11-04385	$59.75
LC-159	Protective Case for A24 or A6	11-05003	$31.95
OPC-656	OPC-656 DC Power Cable. For using the BC-121N with a DC power supply. (12–20 V DC required). Not an aircraft power cable for radios.	11-05022	$9.75
BC-167SA	80AD Wall Charger 117V	11-09311	$27.65
MB-86	Swivel Belt Clip for IC-A24 & IC-A6	11-05002	$8.75
MB-103	Icom Belt Clip	11-03494	$9.95
PTT-SW	Icon Headset PTT Switch for IC-A6, IC-A3, IC-A4, IC-A5, IC-A22, IC-A23, IC-24A	11-18529	$19.95
BC-167SD	Wall Charger 220V	11-10811	$31.95
BC-147SA	AC Adapter for BC-192	11-09317	$12.95
BC-147SE15	220V AC Adapter Charger	11-10075	$12.95
SP-35	External Speaker	10-05753	$47.50
OPC-871A	OPC-871A Headset Adapter - For connecting a standard aviation headset to the IC-A120/IC-A110.	11-15065	$121.75
BP288	Li-ion 7.4V 2350mAh (typical) for A25 Series handhelds.	11-15463	$114.75
HM-231	Waterproof Speaker Microphone for A25	11-15470	$82.90
BC123SA-51	AC Adapter For Rapid Charger US Plug	11-15467	$18.75
BC-224	Rapid Charger With BC123SA	11-15468	$51.75
MB96N	Swivel Belt Hanger Use With Standard Belt Clip	11-15466	$29.50
MB133	Alligator Type Belt Clip	11-15464	$13.75
CSA25	A25 Programming Software	11-15471	$67.75
OPC478UC	PC to Handheld Programming Cable with USB	11-15472	$55.75
BC123SA	AC Adapter For Rapid Charger	11-16077	$18.75
CBE-232	Battery Eliminator for ICOM A14/F14	11-08252	$23.95
HM-234	Speaker Microphone	11-15225	$82.90

ACCESSORIES FOR A14

Description	Model	Part No.	Price
Antenna A4 A5 A6 A23 A24	FAB02AR	11-05031	$29.50
Headset Adapter	PAOPC499	11-18537	$36.50
Alkaline Battery Case (6 - AA Batt. Req.)	BP261	11-06210	$57.75
AC Adapter 110V - Used with the BP-160, it charges the BP-232N in approx. 3 hours	BC-145SA	11-08672	$18.75
AC Adapter 230V - Used with the BP-160, it charges the BP-232 in approx. 3 hours	BC-145SE	11-08671	$20.55
Belt Clip - Swivel type	MB93	11-06212	$8.75
Belt Clip - Alligator type	MB94	11-06213	$8.50
Cig Lighter Adapter Cable for BC179 (12-24V)	CP22	11-06215	$54.75
Rapid Charger (BC160-01)	BC160-01	11-06219	$22.50
DC Power Cable for BC119N or BC160	OPC515L	11-18533	$20.75
DC Power Cable for BC121N	OPC656	11-05022	$9.75

ICOM A25C VHF AIR BAND COM RADIO

The A25C is a powerful air band handheld with 6 watts of power and an IP57 waterproof rating; weather cannot stop these radios. The handheld includes a large 2350mAh Li-ion battery, providing a long operating time. The easy-to-use interface and large 2.3-inch LCD display combine to provide stress-free programming and in-flight operation. Frequencies: TX (COM); 118.00-136.975MHz. RX (COM); 108.00-136.975MHz. RX (Weather); 161.650-163.275MHz Channel spacing: 8.33/25KhZ. Channels: 200 (20CH x 10 banks). Battery life: 2350mAh Li-ion battery, up to 10.5 hours. Typical operation with Tx:Rx:Stand-by duty ratio = 5:5:90, Power save ON.
Version: Communications only.

Features:
• IP57 dust-protection and waterproof construction
• "Flip-flop" channel recall
• Smart battery with detailed battery status
• 121.5MHz emergency key
• Weather channels
• Priority watch
• VFO scan, memory-channel scan, priority scan
• ANL (Auto Noise Limiter) for noise reduction
• Side tone function
• Internal VOX capability

110V (Rechargeable Battery)...........................P/N 11-15459.....**$449.99**
220V (Rechargeable Battery)...........................P/N 11-15460.....**$449.99**
A25C Sport (AA Battery Pack)........................P/N 11-16533.....**$299.99**

ICOM A25N VHF AIR BAND NAV / COM / GPS RADIO WITH BLUETOOTH

The A25N is a powerful air band handheld with 6 watts of power and an IP57 waterproof rating; weather cannot stop these radios. The handheld includes a large 2350mAh Li-ion battery, providing a long operating time. The easy-to-use interface and large 2.3-inch LCD display combine to provide stress-free programming and in-flight operation. This handheld features built-in Bluetooth®, GPS and VOR navigation. Output power: 6W typ. (PEP), 1.8W (CW). Frequencies: TX (COM); 118.00-136.975MHz. RX (COM/NAV) ; 108.00-136.975MHz. RX (Weather) ; 161.650-163.275MHz. Channel spacing: 8.33/25KhZ. Channels: 200 (20CH x 10 banks). Battery life: 2350mAh Li-ion battery, up to 10.5 hours. Typical operation with Tx:Rx:Stand-by duty ratio = 5:5:90, (Bluetooth OFF, GPS ON). Version: Communications plus navigation. Large easy to use LCD. The A25's large 2.3-inch LCD provides user-friendly, graphic screens. The day mode allows pilots to view the screen in direct sunlight and the night mode makes it easy to read in the dark.

Features:
• Powerful Air Band Portables w/ Built-in GPS & Bluetooth®*
• 6 Watts (PEP) – Expands COM Coverage
• Easy-to-Use Intuitive Interface
• Large, Easy-to-Read LCD Screen, w/ Night Mode
• Flip-Flop Channel Recall
• Battery Status Screen
• 121.5MHz emergency key
• Weather channels
• Priority watch

110V ....P/N 11-15461.........**$499.00**
220V ....P/N 11-15462.........**$499.99**
BP289 AA Battery Case ....P/N 11-16396...........**$45.50**
OPC2144 Right Angle Adapter....................P/N 11-16395...........**$27.65**
OPC2379 Headset Adapter for A25 ....P/N 11-17252...........**$69.95**

CBE-210N BATTERY ELIMINATOR

The CBE-210 is a DC battery eliminator for ICOM handheld radios such as the IC-V8, F3GT, F4GT, & F21GM. One end plugs into a 12-13.8VDC lighter socket. The coiled cord links the lighter plug to the battery housing, which clips onto the back of the radio. The CBE-210 includes Voltage & Current-limiting circuitry; noise filtering circuitry is also built into the housing. 5A fuse is located in the Cig Plug.
P/N 11-08252 ....**$23.95**

AV

ICOM IC-R6 HANDHELD RECEIVER

100 kHz – 1309.995 MHz* wideband coverage. Radio provides superior sensitivity and receiver characteristics that is insusceptible to interference. Amateur stations, AM, FM, short wave broadcasts, TV audio* and a variety of utility communications can be caught and listened to. Frequency range depends on version. Analog TV audio only. Cannot decode digital TV audio. With the supplied rechargeable Ni-MH cells (1400mAh × 2), the IC-R6 provides up to 15 hours of continuous receive capability*. At 50 mW output using external speaker. 1300 memory channels with 22 memory banks. The VSC opens the squelch only when a modulated signal is detected and ignores un modulated beat noise. The IC-R6 can be powered by rechargeable Ni-MH cells, or with alkaline batteries. Run the IC-R6 using the AC adapter, BC-196S, or opt for a cigarette lighter cable, CP-18. When used the optional drop-in charger stand BC-194 with the AC adapter or cigarette lighter cable, you can easily start charging the Ni-MH cells, while eliminating the need to connect the power source to the DC power jack of the receiver.
Icom IC Sport R6 Blocked. .... P/N 11-12975..........**$198.75**

YAESU FTA-310 TRANSCEIVER ACCESSORIES

Based on the same design as the extremely popular VXA-300. Now with and improved BNC antenna connection, and a unique 12VDC charging sleeve. Features a more powerful audio amplifier than ANY other handheld airband transceiver and comes supplied with a 1400 mAh nickel metal hydride battery pack that provide almost double the battery capacity of Icom's IC-A23 or IC-A5! **Includes**: FTA-310: 5W Portable VHF Transceiver with VOR, ATV-10: Helical Antenna (Q3000194), CN-3: SMA to BNC adapter, FBA-25A: Alkaline Battery Tray, FNB-83: 1400 mAh Ni-MH battery, CD-28: Charging cradle, E-DC-5B: DC cable with 12v cigarette lighter plug, PA-48B: 110VAC Overnight charger, CT-96: Headset Adapter Cable. Note: The 220v model comes with the PA-48C: 220 VAC Overnight charger.

Description	Part No.	Price
VXA-300 PILOT III Accessories (Included)		
Description	**Part No.**	**Price**
Yaesu/Vertex Cigarette Charger	11-12177	$23.95
ATV-10 - Rubber Duck antenna (included)	11-04343	$13.95
CT-96 - Headset Adapter for VXA-300, VXA-700, VXA-710	11-02562	$17.75
CD-28 - Overnight desktop charger cradle. Requires NC-88 wall charger	11-04346	$8.95
Yaesu Vertex 220v Wall Charger for VXA-220, VXA-300, VXA-710	11-09915	$26.95
FNB-83 - 7.2v 1400mah Ni-MH battery (included)	11-04347	$29.50
Clip-14 - Swivel belt clip (included)	11-04340	$6.95
VXA-300 PILOT III Accessories (Optional)		
Description	**Part No.**	**Price**
CN-3 SMA to BNC Antenna Adapter - Antenna Adapter For VXA-150, VXA-210, VXA-300, VXA-700, VXA-710	11-16957	$9.50
MH-44B4B - Speaker Mic for VXA-700, VXA-300, VXA-710	11-02381	$57.95
Rubber Duck Antenna for VXA-100/150/210	11-00827	$14.50
FTA-230/310 Accessories		
Description	**Part No.**	**Price**
BNC Antenna for FTA 230/310	11-11274	$13.95
VA 370B 110V Rapid Charger for FTA 230/310	11-11276	$67.75
VA 370C 220V Rapid Charger for FTA 230/310	11-11277	$67.75
CD 59 DC Sleeve Charge for FTA 230/310	11-11278	$39.95

YAESU SBR-26LI HIGH CAPACITY BATTERY

Yaesu SBR-26LI High Capacity 7.4V 2,500mAh Li-ion Battery for use with the Yaesu FT-25R and FT-65R Handheld Radios. ....P/N 11-16534 ....**$39.95**

YAESU STANDARD DC CABLE PLUG AND WIRE ONLY

Yaesu Standard E-DC-6 DC cable; plug and wire only. ....P/N 11-08490 ....**$8.50**

YAESU STANDARD ALKALINE BATTERY TRAY

Yaesu Standard FBA-25A Alkaline Battery Tray ....P/N 11-08492 ....**$17.95**

YAESU VERTEX FTA 550 VHF HANDHELD

The YAESU FTA-550 is packed with features, yet very affordable. Boasting an oversize full dot matrix LCD display, the FTA-550 Airband Transceiver provides full communication on the Aircraft communications Band and additionally provides VOR and ILS navigation features on the "NAV" band. The FTA-550 includes NOAA weather band monitoring and the capability of programming up to 200 memory channels with a quick and easy channel recall feature. The brand new easy to operate menu system is icon driven making it simple to navigate through all of the powerful features this transceiver has to offer. Additionally the FTA-550 can easily be reprogrammed in minutes using the optional PC Programming software and the supplied USB programming cable.
Features: • Easy to Operate Menu system • Huge Dot Matrix Display (160 x 160 dots) • VOR Navigation Display • 200 Memory channels with up to 15 Alphanumeric characters.
Specifications: • 25kHz & 8.33kHz spacing • 5 Watts TX Output Power (Airband: AM 5W P.E.P. type, 1.5W carrier) • Huge 1.7" x 1.7" Full Dot Matrix display (160 x 160 Dots) • ILS Navigation Display • NOAA Weather Channel receive* • NOAA Weather Alert* • 200 Memory Channels with 15 alphanumeric characters • Back-lit Keypad and display with dimmer • Water Protection -IPX5 Rating • Loud Audio (800 mW).
AA Battery Version...............................P/N 11-12461................ **$189.00**
Li Ion Battery Version 110V ....P/N 11-12460................ **$296.95**
Li Ion Battery Version 220V ....P/N 11-12530................ **$294.95**

YAESU VERTEX FTA 750L VHF HANDHELD RADIO/GPS COMBO

The YAESU FTA-750L combines tradition with innovation. Born from a history of high quality communications the FTA-750L now includes a 66 channel GPS receiver for reliable navigation. Boasting an oversize full dot matrix LCD display, the FTA-750L Airband Transceiver / GPS provides full communication on the Aircraft communications Band and additionally provides VOR and ILS navigation features on the "NAV" band, and waypoint navigation with the built in GPS receiver. The FTA-750L includes NOAA weather band monitoring and the capability of programming up to 200 memory channels with a quick and easy channel recall feature. The brand new easy to operate menu system is icon driven making it simple to navigate through all of the powerful features this transceiver / GPS has to offer. Additionally the FTA-750L can easily be reprogrammed in minutes using the optional PC Programming software and the supplied USB programming cable.
Features: • Integrated 66 Channel WAAS GPS receiver • GPS Position Logging operation • ILS (Localizer & Glide Slope) and VOR Navigation • Easy to operate menu system • Huge Dot Matrix LCD display • 200 Channel Memory bank • PC Programmable.
Specifications: • 25kHz & 8.33kHz spacing • 5 Watts TX Output Power • Huge 1.7" x 1.7" Full-Dot Matrix Display (160 x 160 dots) • ILS Navigation Display (Localizer and Glide Slope) • VOR Navigation Display • Easy to operate menu system • Integrated 66 Channel WAAS GPS receiver • Waypoint Navigation • GPS Position Logging • NOAA Weather Channel Receive (U.S.A. Version Only) • NOAA Weather Alert (U.S.A. Version Only) • 200 Memory Channels with 15 alphanumeric characters • Back-lit Keypad and Display • Water Protection – IPX5 Rating • Loud Audio (800 mW) • High-Capacity Li-Ion Battery Pack (7.4 V 1800 mAh) • Alkaline Battery Tray (AA x 6).
110V ....P/N 11-12459 .... **$359.00**
220V ....P/N 11-12531 .... **$384.00**

YAESU 550/750C ACCESSORIES

Description	Part No.	Price
Yaesu Vertex BNC Helical Antenna for FTA 550 750	11-12830	$24.95
Yaesu Vertex Alkaline Battery Tray for FTA 550 750	11-12831	$15.95
Yaesu Vertex 1800 Mah Li-ion Battery FTA 550l 750l	11-12832	$74.00
Yaesu Vertex Charging Cradle for FTA 550 750	11-12833	$49.95
Yaesu Vertex 110 VAC Overnight Charger for FTA 550 750	11-12835	$23.95
Yaesu Vertex 220 VAC Overnight Charger for FTA 550 750	11-12836	$24.95
Yaesu Vertex Speaker Microphone for FTA 550 750	11-12837	$69.95
Yaesu Vertex Earphone for FTA 550 750	11-12838	$24.00
Yaesu Vertex Headset Adapter Cable for FTA 550 750	11-12839	$25.50
Yaesu Vertex Programming Cable for FTA 550	11-12840	$8.95
Yaesu Vertex Belt Clip for FTA 550	11-12841	$8.95
Yaesu Earbud Speaker	11-14906	$26.95
Yaesu Belt Clip Hanger Bracket	11-14907	$9.95
Nylon Carring Case (750L/550/450)	11-16259	$24.95

YAESU FTA 250L VHF HANDHELD RADIO

The Yaesu FTA-250L is an affordable, compact (COMM ONLY) Airband transceiver. Featuring an extremely rugged Polycarbonate housing with an IPX5 Waterproof rating for use in harsh environments with rain, splash and spray. Loud 700mW audio output guarantees that radio calls will not be missed even in noisy environments. 8.33kHz Narrow Band capable, with a huge programmable 250 channel capacity memory bank. The FTA-250L comes programmed with Yaesu's exclusive E2O Easy to Operate menu system making the radio a pleasure to operate without the use of a manual. The intuitive operating system is further complimented by the high resolution Dot Matrix display and the bright, fully Lit, sunlight viewable backlight. Value packaged with a High Capacity (1950mAh) Li-ion battery, Headset adapter, belt clip, 100-240VAC charger, 12VDC charger / power cable, with drop in charging cradle. The Yaesu FTA-250L is backed by a industry leading 3 year waterproof warranty.

P/N 11-15413 .... **$189.95**

FTA 250L Programming Cable

P/N 11-16535 .... **$24.50**

YAESU FTA 450L VHF HANDHELD RADIO

5W TX output. Large 1.7" x 1.7" Dot matrix Display. Back-lit Keypad and Display. 800 mW Audio Output. 200 Memory Channels. 8.33kHz Narrow Band compatible. IPX5 Waterproof rating. Includes High-Capacity 1800mAh Li-ion battery. Includes Alkaline battery tray (6 x AA). NOAA Weather Channels with WX alert. PC programmable.

P/N 11-14905 .... **$236.95**

AIRBAND SCANNER TSC-100RA

Airband Scanner with NOAA Weather Channels /66-87.495MHz/87.8-108MHz/108.005-135.995MHz/136-174MHz Focused on air band, VHF band, VHF low band (66-88 MHz) and WFM broadcast band, this narrow band receiver has exceptionally high sensitivity and outstanding audio. The simplified functions make this an easy to use handheld, with a large LCD backlit screen and easy to read backlit buttons. 66 - 87.495MHz, 87.5 - 108MHz 108.005 - 135.995MHz, 136-174MHz 200 channel memories Only weighs 5.7 oz Includes: Handheld unit, 3 AA batteries, antenna, belt clip, male SMA to female BNC connector, and operation manual. ....P/N 11-12164 .... **$109.95**

CRS AM/FM CLOCK RADIO BASE SCANNER

The BC345CRS is a multi-featured conventional channel scanner. Easily enter and store frequencies for police, fire/emergency, marine, air and more into 500 channels over ten banks. The scanner also features AM/FM clock radio with snooze and NOAA weather broadcasts. ......P/N 11-11412 .... **$115.75**
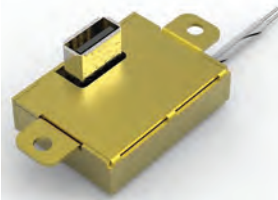
BELITE POCKET HANDHELD RECEIVER

Radiant Pocket Radio V1.0 is an aircraft band receiver that is awesome for checking ATIS before getting in your plane. It's also loaded with features. SIX reception bands:
• Aircraft band, 118.000 --- 137.975 mhz
• AM 520 – 1720 khz
• FM 87.5 – 108.0 Mhz
• Shortwave 5.95 – 21.65 Mhz
• CB 25 – 28 Mhz
• VHF 136 – 174 Mhz

P/N 10-06731 .... **$125.75**

AERO USB CHARGER

This super lightweight AERO USB Charger by INGENIO provides 28V to 5V voltage conversion and 2.4Amps high speed charging for any PED, including latest Apple devices (MFi approved).
Product highlights: • 95% Efficiency rating • Super lightweight: 22 g / 0.049 lb • Revolutionary small size: 1.18 in x 1.57 in x 0.75 in • Ultimate circuit protection with Inteli-Fuse™ technology • Minimum input voltage 10 VDC • Main input voltage 28 VDC • Maximum output current 2.5A • Maximum input current 0.46A at 28 VDC • Wire length 7 in • USB connector locking mechanism • DO-160G qualified • MFi compliant under Apple approved licensing ....P/N 11-11872 .... **$459.00**

GLOBALSTAR AVIATION KITS

The GSP-1700 Package is ideal for the "pilot on the go" who wants and needs the convenience of portable satellite communications. Small and lightweight, the GSP-1700 allows you to go from cockpit to car, beach, hangar or wherever your final destination without being tethered to your aircraft. The GSP-1700 is the ultimate handheld portable satellite phone so you can stay connected beyond cellular. Antenna easily mounts to the outside of an aircraft. With the Globalstar 9600 you have WI-FI enabled devices (smartphones, laptops, tablets) to send and receive email using the fastest data speeds in the MSS industry. Spot Trace Satellite technology that tracks beyond the reach of traditional cellular coverage.
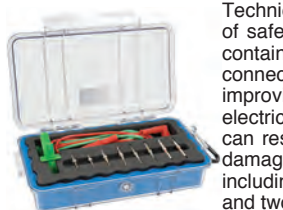Includes Phone. 14V ....P/N 11-14324 ......**$1,600.00**

GLOBALSTAR SAT-FI® VOICE AND DATA PACKAGE

The Sat-Fi Package is perfect for pilots who want to provide affordable voice and data services to their passengers. This small and portable Sat-Fi allows up to 8 smart devices to connect to the Globalstar satellite network through Wi-Fi, so your passengers can be productive and run their business even in the air. Package includes: Globalstar Sat-Fi, Aviation Antenna, SPOT TRACE (first year of Basic Service is included)..P/N 11-14321 ......**$1,700.00**

AVIONICS PIN TEST KIT

Technicians can work with a higher degree of safety when using the PIN-TS KIT. This kit contains the correctly sized tools for successful connector pin-testing without the need for improvised testing methods with uninsulated electrical contacts or the wrong size of pins that can result in electric shock to the user or lost/damaged pins. This kit has all of the essentials including insulated test leads, a ground lead, and two sets of four screw-in pins.

P/N 11-13538 .... **$219.95**

PEREGRINE AIRSPEED SWITCH KIT

Airspeed switch kit for Trig TT31 & King KT74 transponders. Includes: • Airspeed differential pressure switch, qty 1 (PA-111114-821) • Clear Poly-Flo tubing, qty 48 inches (PA-111114-825) • Nylon union tee, qty 2 (PA-111114-831) • Nylon insertion stabilizer, qty 6 (PA-111114-833). ....P/N 10-05913 .... **$125.00**

WINDSHIELD ANTENNA KIT FOR HANDHELD RADIOS

This antenna kit attaches to the inside of the windshield & dramatically improves portable nav/com's transmit, receive, and VOR performance based on extensive field testing. It is portable and ideal for those who can't use an ANT-SB. Simply attaches one's own flexible antenna to inside of windshield with BNC, coax, suction cup adapter. Works with any handheld radio using BNC connections.

P/N 11-18603 .... **$28.95**

FLIGHTLINE 760A COM PANEL MOUNT

The FL-760A is extremely small and one of the lightest radios in the industry at just under 1 lb in weight (replaces the FL-760). It provides a frequency range of 118 to 137 MHz with a 5 watt transmitter and 11 - 33 volt power supply. The built-in 2-place VOX intercom is sensitive and perfect for small aircraft cockpits. Users can switch between frequencies with the "flip/flop" option or use scan mode to sift through 32 programmable frequencies; additionally, there is a single button relegated to the 121.50 emergency frequency only. The FL-760A now offers updates to the original: Push-to-Talk (PTT) feature and audio inputs are separate for pilot and co-pilot. Also, intercom, VOX, volume and mic gain adjustments are now conveniently programmable from the front panel. This transceiver is ideal for noisy cockpits providing very clear reception, minimal squelch, and clear output.

Features: • Built-in 2-place VOX intercom • Easily select channels via the 32 programmable memory channel call-up, emergency button, or scan function • Not plug compatible with certain features (power and ground are plug compatible) • Separate PTT and audio inputs for pilot and co-pilot • Intercom, VOX, volume and mic gain adjustments are programmable from front panel • Less than 1 lb in weight • Backlit display for easy reading • Pilot can select the receive notification LED color via the front panel.

760A Com Panel Mount	P/N 11-14280	**$725.00**
2 Place 3ft. Harness with Jacks attached	P/N 11-14281	**$248.95**
760A + 4ft Harness	P/N 11-16668	**$923.00**
760A + Custom Harness	P/N 11-16669	**$975.00**

FLIGHTLINE FL-M1000AB BASE STATION

FL-M1000A Air Band Land Radio installed in an Astron Base Station.
The FL-M1000A is an Air Band Land Mobile Radio designed for land vehicles, or base station use, not for Aircraft. The radio can be operated with Hand Microphone or Headset. You can choose audio output from External Speaker and/or Headphone. The radio has various built-in Scan functions.

Features: Convenient Base Station Enclosure, Easy to read alpha/numeric display, Scanning, Usable in the 760 Channel VFO mode Simple to program, Compatible with a standard Push-to-Talk Switch and Air Band Headset, Priority scanning, Multiple speakers, antennas, cables and programming options, Front panel control of external speaker. Hand Mic is included. ....P/N 11-09190 ....**$818.00**

FLIGHTLINE FL-M1000A AIR BAND RADIO

FL-M1000A Air Band Land Radio installed in an Astron Base Station.
The FL-M1000A is an Air Band Land Mobile Radio designed for land vehicles, or base station use, not for Aircraft. The radio can be operated with Hand Microphone or Headset. You can choose audio output from External Speaker and/or Headphone. The radio has various built-in Scan functions.

Features: Installs in any vehicle, Easy to read alpha/numeric display, Scanning, Usable in the 760 Channel VFO mode, Simple to program, Compatible with a standard Push-to-Talk Switch and Air Band Headset Priority scanning, Multiple speakers, antennas, cables and programming options, Front panel control of external speaker. Hand Mic is included.

M1000A Radio	P/N 11-09189	**$655.00**
Hand Microphone for M1000A	P/N 11-11381	**$156.75**

SANDIA STX 165 MODE AIRCRAFT XPDR

The STX 165 Sports a professional 1/2 3ATI Bezel that compliments any aircraft panel. Its bright OLED display is readable in virtually all lighting conditions and automatically dims for night time operations. Check out just a few of the STX 165 features.
• Built-in Encoder: Simplifies installations and lowers cost. • Three Timer Functions: Elapsed Flight Time, Up Timer, Down Timer • Pressure Altitude Display: See what altitude your transponder is reporting to Center • Optional OAT Probe Input: Displays Outside Air Temp.,Density Altitude, Icing Alert • Small and Light Weight: 7.4" behind the panel depth, 1.3 lbs. • Electrical Input Voltage: 11-33 Vdc • Current Requirements: 500mA@28Vdc • Power Output: 200 Watts Nominal • Dimensions: 1.78"H x 3.5"W x 7.34"L • Weight: 1.30Lbs • Alt. Encoder: Built-in 35K' Encoder; External RS-232 • Temperature: -20 degrees to +55 degrees C

Sandia STX 165 Panel Mount	P/N 11-09251	**$1,675.00**
Sandia STX 165R Remote	P/N 11-09252	**$1,583.00**
Sandia STX 165 OAT Option	P/N 11-09253	**$329.00**
Sandia STX 165 with 5 Foot Harness	P/N 11-11962	**$1,727.00**
Sandia STX 165 with Custom Harness	P/N 11-14021	**$1,748.00**

GARRECHT TRANSPONDERS

VT01 UltraCompact

The Garrecht Transponder VT-01 is a flexible and modular system concept, in a compact size (57mm) with a very low current and integral alticoder. Available as Class-1 (125 Watt) or Class-2 (71 Watt) System. Specifications: Certification i.a.w: ETSO-2C112a, ED-73B
•Min. RF Output power @Antenne: Class 1: 125 Watt Class 2:71 Watt. • Integral alticoder: Yes • Weight control unit: 0,21 kg. •Weight main unit: 0,61 kg •Supply voltage: 9-32 V DC • Power consumption (operation) @ 13,8 V (1200 Mode A/C or 50 Mode-S replies): Class 1: 0,24 A Class 2:0,22 A • Power consumption (on Ground) @ 13,8V (Squitter active): Class 1: 0,17 A Class 2: 0,16 A

Transponder Class 1	P/N 11-04529	**$2,927.00**
Transponder Class 2	P/N 11-04530	**$2,647.00**
Transponder UltaCompact Class 1	P/N 11-05869	**$2,420.00**
Transponder UltaCompact Class 1	P/N 11-05870	**$2,195.00**

AV

USED AVIONICS FROM AIRCRAFT SPRUCE

Virtually all these avionics are in "Serviceable" condition. This is an FAA term that means that the radios have been repaired as needed, tested according to the manufacturer's procedure, and meet the manufacturer's performance specifications. These radios are legally approved for installation and use. These radios come with either a Yellow Tag or a 8130-3 Serviceable tag. Both tags certify that the radio is in "Serviceable" condition. The difference is the geographical area where the tag is accepted. The Yellow Tag is accepted in North America, while the 8130-3 tag is accepted worldwide. Generally 8130-3 tags are issued for our radios, because we rarely know exactly where it will be sent when it is in the shop. With an 8130-3 tag, we know that it can be used by any of our customers. Serviceable units carry a 90 day warranty. All used avionics are subject to availability, and will be shipped with the tray and connector included. Prices can vary. Please specify 14V or 28V when ordering.
All "With Glideslope" units are Glideslope ready.

3M
3M WX-10 Stormscope	11-06005
3M WX-10A Stormscope	11-06006
3M WX-11 Stormscope	11-06007
3M WX-8 Stormscope	11-06008

ARC
ARC (Cessna) IN-385A	11-06009
ARC (Cessna) IN-386A	11-06010
ARC (Cessna) IN-514B	11-06011
ARC (Cessna) IN-525B	11-06012
ARC (Cessna) R-446A ADF Receiver	11-06013
ARC (Cessna) RT-328T NAV / COMM	11-06014
ARC (Cessna) RT-359A Transponder	11-06015
ARC (Cessna) RT-385A NAV / COMM	11-06016
ARC (Cessna) RT-459A Transponder	11-06017
ARC (Cessna) R-485B NAV / COMM	11-06018
ARC (Cessna) R-443B Remote Glideslope Receiver	11-06019

ARNAV
ARNAV STAR 5000 VFR GPS Navigator	11-06020

CENTURY
Century NSD-360A Non-Slaved Compass System (HSI)	11-06021
Century NSD-360A Slaved Compass System (HSI)	11-06022

COLLINS
Collins ADF-650 ADF System	11-06023
Collins ADF-650A ADF System	11-06024
Collins GLS-350 Remote Glideslope Receiver	11-06025
Collins IND-350 GPS / VOR / LOC Indicator	11-06026
Collins IND-350A GPS / VOR / LOC Indicator	11-06027
Collins IND-351 GPS	11-06028
Collins IND-351A GPS	11-06029
Collins IND-650 ADF Indicator	11-06030
Collins IND-650A ADF Indicator	11-06031
Collins MKR-350 Marker Beacon Receiver	11-06032
Collins RCR-650 ADF Receiver	11-06033
Collins RCR-650A ADF Receiver	11-06034
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Garmin GNC-250XL VFR	11-06041
Garmin GNS-430 - 14 or 28 Volts	11-06042
Garmin GNS-530 IFR	11-06044
Garmin GTN-650 GPS / NAV / COMM	11-16398
Garmin GPS-150 VFR	11-06045
Garmin GPS-150XL VFR	11-06046
Garmin GPS-155 IFR-	11-06047
Garmin GPS-155XL IFR	11-06048
Garmin GTX-327 Transponder	11-06051
II Morrow / Garmin AT Apollo 360 Map Moving Map	11-06052
II Morrow / Garmin AT Apollo 360 VFR	11-06053
II Morrow / Garmin AT Apollo 820 Flybuddy VFR	11-06054
II Morrow / Garmin AT Apollo GX-50 IFR	11-06056
II Morrow / Garmin AT Apollo GX-55 IFR	11-06057
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Garmin GNC 250XL VFR GPS Mm Comm Transceiver	11-13212
Garmin GNC 300XL IFR Approach GPS Mm Comm Transceiver	11-13213
Garmin GNC 420 IFR GPS Comm MFD Mm Gs 14 28 V	11-13214
Garmin GNS 430W Waas IFR GPS Nav Comm MFD Mm GS	11-13215
Garmin GNS 530W Waas IFR GPS Nav Comm MFD Mm GS	11-13216
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II Morrow Garmin At Apollo Gx-60 IFR GPS Mm Comm	11-13221
II Morrow Garmin At Apollo Gx-65 IFR En Route GPS Mm Comm	11-13222
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INSIGHT
Insight Strike Finder	11-06058

KING
King KA-134 Audio Panel	11-06059
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Narco ID-824 VOR / LOC Indicator	11-06146
Narco ID-825 VOR / LOC / Glideslope Indicator	11-06147
Narco MK-12D NAV / COMM ARC (Cessna) Replacement	11-06148
Narco MK-12D NAV / COMM with Glideslope	11-06149
Narco MK-12E NAV/COMM ARC (Cessna) Replacement	11-06150
Narco MK-12E NAV/COMM with Glideslope	11-06151
Narco NAV-121 VOR / LOC Indicator / NAV Receiver	11-06152
Receiver / NAV Receiver / Marker Beacon Receiver and Indicator	11-06153
Narco AT-165 Transponder KT 76A KT 78A Version Value Series	11-13246
Narco AT 165 Transponder KT 76A KT 78A Regular Version	11-13247
Narco Com 120 Comm Transceiver	11-13248
Narco Cp 136 Audio Panel With Mb Indicator	11-13249
Narco Cp 136m Audio Panel With Mb Receiver	11-13250
Narco MK 12d Plus Nav Comm 14v	11-13251
Narco NAV 122 Vor Loc GS Indicator GS Nav Mb Receiver Indicator	11-13252

SANDEL
Sandel SN-3308 Electronic HSI (EHSI)	11-06154

TERRA
Terra TRT-250D Transponder	11-06155
Terra TX 760D Comm Transceiver	11-13253

TKM
TKM MX-11 COMM Transceiver	11-06156
TKM MX-170B NAV / COMM	11-06157
TKM MX-300 NAV / COMM	11-06158
TKM MX-385 NAV / COMM	11-06159

AV

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Prices Subject to Change Without Notice

AERO SAFETY SYSTEMS AH500 CENTRAL WARNING PANEL (4X4)

The AH500 combines flight, engine and aircraft configuration data to generate voice and visual alerts. The unit is programmed to warn off against switched, analog and EFIS data inputs based on the switched state, value threshold or combinations of inputs to generate envelope alarms. Envelope alerts could include oil pressure profiles, speed/ configuration envelopes, gear not down and oxygen alerts. Data is gathered from directly connected switches and analog inputs as well as being able to take flight and engine data from Electronic Flight Information Systems (EFIS) and Engine Monitors when available via serial buses. Alerts are mapped to custom voice and/or sunlight readable and auto dimming captions with integration to a remote Master Caution, Master Warning, and alert acknowledgment switch.................P/N 11-15372 ......**$1,145.00**

AERO SAFETY SYSTEMS AH501 MASTER CAUTION / MASTER WARNING SWITCH

The AH501 is combined Master Warning and Master Caution annunciator and combined with a high quality snap action alert acknowledgement switch. The AH501 allows the pilot to quickly recognize, acknowledge and mute new alerts and is ideally positioned directly in front of the pilot, just below the coaming for bringing alerts to your attention while keeping your head up. The unit can be wired as a remote Master Caution and Master Warning Annunciator for common EFIS systems such as the Garmin G3X and Dynon. When combined with the Aero Safety Systems AH500 or AH502SD Central Warning Panel annunciators, it functions as a consolidating Master Caution/ Master Warning indicator and new alert acknowledge/voice mute switch as well as providing automatic dimming for night operation.

12/14V ....P/N 11-15373 ....**$150.00**
24/28V ....P/N 11-16753 ....**$150.00**

AERO SAFETY SYSTEMS AH502SD CENTRAL WARNING PANEL

The AH502sd combines flight, engine and aircraft configuration data to generate voice and visual alerts. The unit is programmed to warn off against switched, analog and EFIS data inputs based on the switched state, value threshold or combinations of inputs to generate envelope alarms. Alerts are mapped to custom voice and/or sunlight readable and auto dimming captions with integration to a remote Master Caution, Master Warning and alert acknowledgement switch. The front mounted SD card allows for easy adjustment of programming and voice files...P/N 11-15374 ....**$945.00**

SANDIA SRU MODULE ENCLOSURES

SRU 10

SRU 1

SRU 5

The **SRU 1** is a single card enclosure which accepts any MARC70 interface module. The SRU 1 is ideally suited for installations where only one MARC70 card is required or where there is limited real estate for mounting the larger enclosures. The SRU 1 can be mounted in any axis and either inside or outside the pressure vessel.

SRU 1 ....P/N 11-11325 ....**$174.95**
The **SRU 5** is a multi-card enclosure that accepts up to five MARC70 interface modules. The SRU 5 can be mounted either inside or outside the pressure vessel. When less than five interface modules are used with the SRU 5, cover plates are placed over the unused card slots. If additional cards are required at a later date, the cover plates can be removed and the appropriate interface card installed. When installing the SRU 5 ample room should be allowed for both connector clearance and for inserting and removing the interface modules. The SRU 5 as well as the interface modules can be mounted in any axis.

SRU 5 ....P/N 11-11326 ....**$375.00**
SRU5-1 ....P/N 11-11327 ....**$375.00**
The **SRU 10** is multi-card enclosure that accepts up to ten MARC70 interface modules. It is ideally suited for installations that will require more than five interface modules. As with the SRU 5, unused slots are covered with cover plates included in the installation kit. These extra slots can be used on future installations, eliminating the need for additional mechanical engineering and approval. The SRU 10 can be installed either inside or outside the aircraft's pressure vessel. For installation flexibility, the SRU 10 and the installed interface modules can be mounted in any axis. Ample room should be allowed for both the connector and for inserting and removing the interface modules.

SRU 10 ....P/N 11-11328 ....**$555.00**

SANDIA SA 3 REGULATOR INCANDESCENT DIMMING MODULE

Regulator/Dimming Board. Provides .5 amps of annunciator drive for lighting display annunciator. Will provide 1 amp short term for test purposes. Switchable between bright and din with both modes field adjustable.............P/N 11-11314 ....**$555.00**

SANDIA SA 3L REGULATOR LED DIMMING MODULE

Regulator/Dimming Board. Provides 0.5 amps of annunciator drive for lighting LED annunciators. Will provide 1 amp short term for test purposes. Switchable between bright and din with both modes field adjustable.............P/N 11-11315 ....**$535.00**

SANDIA SA 15 SIGNAL INVERTER MODULE

Inverter Board converts a High to a Low or a Low to a High to provide common annunciator power. 14 inverter outputs. ....P/N 11-11317 ....**$550.00**

SANDIA SA 24 DIODE ISOLATION MODULE

Diode Isolation Module. Provides 23 lines of diode ground in - ground out isolation. Internal FET allows simultaneous test of all lines to ground. Requires 28 Vdc for test....................P/N 11-11318 ....**$450.00**

SANDIA SR 263 DUAL 6 POLE RELAY MODULE

Two, six pole nitrogen filled relays. Can be activated simultaneously or individually
P/N 11-11319.......**$3,100.00**

SANDIA SR 623 SIX 2 POLE RELAY MODULE

This SR 623 has a total of six, two pole relays in nitrogen filled metal cases.
P/N 11-11321 ......**$1,395.00**

SANDIA SR 34-1 12 POLE SWITCHING MODULE

The SR34 uses three, four-pole sealed relays to provide a total of 12 lines of signal level switching.
P/N 11-11322 ....**$394.00**

SANDIA SR 54-1 20 POLE RELAY SWITCHING UNIT

The SR54 switching is ideally suited for GPS and other Long Range Navigation Systems that share an HSI/CDI with a VOR/LOC receiver. The twenty poles of switching allow all resolver and steering lines to be switched simultaneously. And the built-in reversionary switching circuitry to ensure VOR/LOC steering is always displayed on the indicator should power be lost or if an ILS frequency is selected in the NAV receiver................P/N 11-11323 ....**$599.00**

SANDIA SR 64-1 24 POLE RELAY SWITCHING UNIT

The SR64 has six, four-pole relays to provide a total of 24 lines of switching. This multi-purpose switching unit has its relays arranged in a group of four (16 poles) and two single relays (4 poles each).
P/N 11-11324 ....**$600.00**

SANDIA AIS RELAY SWITCHING UNITS

A general purpose Avionics units. Operates on 28Vdc; PMA'd NSN 5999-01-544-0513.
24 Pole.........................P/N 11-11313 ....**$650.00**
20 Pole.........................P/N 11-11302 ....**$509.00**

SANDIA ST 26 TACH GENERATOR ADAPTER

The ST 26 is a Tach Generator Adapter that converts sinusoidal, 26vac – 400hz output of the Turbine Engine Tach Generators to a digital signal. This TSO approved adapter can be used for aircraft instrument displays or for other control – data collection systems. The ST 26 is approved to work with the most common aircraft tachometers models.
P/N 11-11331 ....**$799.00**

AV

GUARDIAN AVIONICS IFDR 650 CONNECTED COCKPIT & CARBON MONOXIDE DETECTOR SYSTEM

The iFDR 650 is a state-of-the-art connected cockpit system and it is engineered with two Smart USB chargers which provide fast and efficient charging to all your portable electronics. The unit is installed in your panel and communicates with your GPS and engine monitor via the RS232 data bus. Bluetooth technology provides multiple data feeds from the iFDR 650 to as many as three iPads or iPhones. (*The iFDR Connect App can be found in the App Store.) Pilot(s) and passenger(s) can view real time GPS, Engine, and instrument data simultaneously on their iPad(s) and iPhone(s). At the same time, you can use your handheld device to access additional WiFi and Bluetooth products in the aircraft. . ...P/N 13-16436 ....**$889.00**

GUARDIAN SMARTLINK 554-101 FLIGHT DATA RECORDER CO DETECTOR

The smartLink 554-101 is a Flight Data Recorder, CO Detector, and AHRS that works with the Guardian Avionics smartPlane system. This unit is panel mounted in a small 1 58" x 1 1/4" position (optional 2.25" round adapter plate available) to provide convenient visibility in-flight. The smartLink 554-101 communicates with the smartMFD iOS app via Bluetooth connection.

P/N 13-20698 ....**$669.95**

GUARDIAN SMARTLINK 554-201 FLIGHT DATA RECORDER CO DETECTOR

The smartLink 554-201 is a Flight Data Recorder, CO Detector, and AHRS that works with the Guardian Avionics smartPlane system. This unit is remote mounted behind the panel to save space in smaller panels. The smartLink 554-201 communicates with the smartMFD iOS app via Bluetooth connection.........P/N 13-20699 ....**$669.95**

GUARDIAN SMARTLINK 650 FLIGHT DATA RECORDER CO DETECTOR AND USB

The smartLink 650 is a Flight Data Recorder, CO Detector, and USB Power Supply (2.1 amp / 1.0 amp) that works with the Guardian Avionics smartPlane system. This unit is panel mounted in a small 1 58" x 1 1/4" position (optional 2.25" round adapter plate available) to provide convenient visibility in-flight. The smartLink 650 communicates with the smartMFD iOS app via a USB cable connection and a Bluetooth connection.........................P/N 13-20700 ....**$759.00**

GUARDIAN SMARTLINK 555 FLIGHT DATA RECORDER CO DETECTOR

The smartLink 555 is a Flight Data Recorder, Pulse Oximeter, CO Detector, and AHRS that works with the Guardian Avionics smartPlane system. This unit is panel mounted in a small position to provide convenient access to the Pulse Oximeter in-flight. The smartLink 555 communicates with the smartMFD iOS app via Bluetooth connection.

P/N 13-20702 ....**$859.95**

GUARDIAN SMARTLINK 851 FLIGHT DATA RECORDE CO DETECTOR

The smartLink 851 is a Flight Data Recorder, CO Detector, USB Power Supply (dual 2.7 amp) and AHRS that works with the Guardian Avionics smartPlane system. This unit is remote mounted behind the panel or on a smartPlane iPad mount to save space in smaller panels. The smartLink 851 communicates with the smartMFD iOS app via a USB connection or Bluetooth connection.
NORSEE Approved Remote Mounted Flight Data Recorder, CO Detector, USB Power Supply, and AHRS with Bluetooth and USB Connection.

P/N 13-20703 ....**$949.95**

TALOS AEOLUS

Aeolus-Sense 4T is a smartphone/tablet EFIS instrument with AHRS in-flight reset recovery in any flight attitude and contains all the necessary sensors needed by A-EFIS for correct and reliable operation. The first sensor box in the avionics market with Android and IOS smartphone/tablet wired USB communication between Aeolus-Sense 4T and A-EFIS application.
Aeolus-Sense 4T connects to any device running Android 4.0/IOS 8.0 or higher wireless via wifi, and wired over USB.

P/N 11-16461 ....**$925.00**

TALOS AEOLUS SENSE 4 ADS-B

Aeolus-Sense 4 ADS-B includes a dual-band (978 MHz and 1090 MHz) ADS-B receiver for traffic and weather information. Aeolus-Sense 4 ADS-B is a smartphone/tablet EFIS instrument with AHRS in-flight reset recovery in any flight attitude. The first sensor box in the market with Android and IOS smartphone/tablet wired USB communication between Aeolus-Sense 4 and A-EFIS application. ....P/N 11-16458 ....**$985.00**

TALOS AEOLUS SENSE 4T DUAL-BAND ADS-B RECEIVER

Aeolus-Sense 4T ADS-B includes a dual-band (978 MHz and 1090 MHz) ADS-B receiver powered by uAvionix for traffic and weather information. Aeolus-Sense 4T ADS-B is a smartphone/tablet EFIS instrument with AHRS in-flight reset recovery in any flight attitude and contains all the necessary sensors needed by A-EFIS for correct and reliable operation. The interface can be any smartphone or tablet, regardless of the native sensors and provides all the necessary data to convert your smartphone/tablet to a full glass cockpit.
Aeolus-Sense 4T ADS-B connects to any device running Android 4.0/IOS 8.0 or higher wireless via wifi, and wired over USB.

P/N 11-16459 ......**$1,160.00**

TALOS FLYSENSE AOA

FlySense AoA offers in a single, affordable device, full EFIS, with dual band ADS-B in, and the unique feature Angle of Attack (AoA) with visual indication and aural warning!
FlySense AoA connects to any device running Android 4.0/IOS 9.0 or higher wireless via WiFi, and wired over USB. The user downloads a free app (EFIS TA), from Google Play Store or Apple's App Store and then connects via WiFi or wired via USB to FlySense AoA. ....P/N 11-17106 ......**$1,850.00**

TALOS FLYSENSE HUD

FlySense HUD is a unique, affordable product that combines two units, one that provides flight information and a Head Up Display (HUD). It offers full ADAHRS, with dual band ADS-B in, and the unique feature Angle of Attack (AoA) with visual indication and aural warning! All pertinent information is conveniently displayed in HUD mode as well as in smart devices (phones or tablets). FlySense HUD is the ultimate system for a safe and fun flight. ....P/N 11-17107 ......**$2,890.00**

FREEFLIGHT RANGR ADS-B SYSTEM

The FreeFlight Systems RANGR 978 Transceiver Lite comes an all-inclusive package - a rule-compliant ADS-B Out solution for those operating at FL180 and below with the added benefit of ADS-B In weather and traffic data. It automatically synchronizes with legacy transponders without the need for additional pilot interaction. The XVRL is a low cost, lightweight, installed system for rule compliance - without sacrificing performance. All the necessary components for installation are included, no fine print. STC approved in accordance with AC 20-165A, AC 20-172A
ADS-B in and out ....P/N 11-13893 ......**$3,653.00**
ADS-B out only...P/N 11-13892 ......**$2,735.00**

MID-CONTINENT 2 INCH CDI

This indicator will fit the need of aircraft owners of LSA all the way up to business aircraft. The CDI allows for precise and accurate readings. Nav, GPS and VLOC annunciation are built-in and backlit by LED lighting, providing enhanced night-time and sunlight readability. The CDI has TSO approval from the FAA and will interface with most nav and GPS receivers.

Specifications
- Power Input: Accepts 11 to 32 Volts DC.
- Lighting: Internal white LED. Lighting control voltage is selectable for 5, 14, or 28
- Weight: 0.6 lbs.
- Length: 3.5 inches

Mid-Continent Instruments and Avionics - CDI MD222-406 (This unit has the NAV/GPS & VLOC annunciations for the Garmin units)
P/N 11-05106 ......**$2,506.00**

Mid-Continent Instruments and Avionics - CDI MD222-506 (This unit has the NAV/GPS & BC for all other applications)
P/N 11-05107 ......**$2,506.00**

MD200-706 CDI GS Indicator ....P/N 10-06014 ....**$995.00**

MID-CONTINENT ANNUNCIATORS

Incudes CDI and suspend mode switching, independent of OBS per new GTN requirements. Features: Compatible with Garmin GTN 6XX/7XX WAAS Navigators. Compact, self-contained GPS annunciation control unit. Automatic-dimming and daylight readable LED lighting. Single cutout and locking D-subminiature connector reduces installation costs. Quality Mil-Spec connector included. TSO-C129 certified. Qualified to RTCA DO-160 environmental specs. Designed and built in Wichita, Kansas, USA. One-year limited warranty.

Model No.	Description	Part No.	Price
MD41-1512	Horizontal, 14V, LED lighting	10-04769	$1,295.00
MD41-1510	Horizontal, 28V, LED lighting	10-04768	$1,294.00
MD41-1514	Horizontal, 28V, 5V lighting, LED lighting	10-06768	$1,294.00
MD41-1513	Vertical, 14V, LED lighting	10-06769	$1,294.00
MD41-1511	Vertical, 28V, LED lighting	10-06770	$1,294.00
MD41-1515	Vertical, 28V, 5V lighting, LED lighting	10-06771	$1,294.00

MID-CONTINENT 3" CDI

The MD200 Series sets the standard for navigation instruments that are significantly more reliable, longer lasting and easier to read. Thousands have been sold by Garmin with the popular GNS 430/530 systems and the GTN Series touchscreen navigators.

Features
- Fits standard 3 1/8" panel cutout
- All-metal construction with stainless steel ball bearings in critical areas
- Deviation bars/pointers hide from view when invalid
- LED annunciations for NAV, GPS, VLOC and To/From indication
- True OBS course resolver out
- Compatible with WAAS GPS receivers
- Pin-for-pin replacement for previous MD200 models
- High-quality d-sub connectors included with gold-plated pins
- FAA TSO and ETSO certified for use with all GPS and VOR systems
- Designed and built in Wichita, Kansas, USA
- One-year limited warranty put

Specifications
- Voltage input: 14 VDC or 28 VDC
- Current input: 0.3 amps max
- Standard cutout (3 1/8-inch round)
- Weight: 1.4 lbs.
- Altitude: 0 to 55,000 ft.
- Rear mount panel mounting

Model No.	Description	Part No.	Price
MD200-706	3-inch, L/R, Glideslope with annunciators	10-06014	$2,385.00
MD200-707	3-inch, L/R, Glideslope with annunciators, Course datum	10-06043	$2,315.00

REMOTE SWITCHING RELAY UNITS

Remote mounted 24-pole unit features eight Nitrogen-filled relays (3 poles per relay) with Gold-plated contacts. Ideal for GPS/VOR transfer and audio switching applications. Relays are activated individually by voltage or ground keying or as a group by ground keying. Versatile Mounting - Horizontal, Vertical or flat mount configurations. Fail-safe fault monitoring through interlocking of all internal relays. Adjustable dimmer output for external annunciations. Quality MIL-SPEC connector kit included. Specifications: Width: 2.86", Height: 1.52", Depth: 2.6", Weight: .75lbs.

Remote Relay Unit 14V PMA.......................P/N 10-02125 ....**$980.00**
Remote Relay Unit 28V PMA.......................P/N 10-02127 ....**$980.00**
Remote Relay Unit 14V TSO ....P/N 10-06793 ......**$1,027.00**
Remote Relay Unit 28V TSO ....P/N 10-06016 ......**$1,035.00**

MID-CONTINENT GPS ANNUNCIATORS

MD41-1510

MD41-1468A

Vertical View

With fingertip annunciation and flight information in the pilot's primary view, Annunciation Control Units (ACU) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information including waypoint, approach status and integrity alerting. Approved to strict TSO standards, Mid-Continent Instruments and Avionics ACUs are engineered as a compact, affordable solution to the challenge of installing several switches. Most versions are configured 14V or 28V with vertical or horizontal mounting and feature long-life lamps with automatic photocell dimming.

GARMIN WAAS ACU - GNC 420W, GNS 430W/530W			
Model No.	Configuration	Part No.	Price
MD41-1510	28V Horz. for Garmin GTN650/750	10-04768	$1,294.00
MD41-1512	14V Horz. for Garmin GTN650/750	10-04769	$1,295.00
MD41-1464A	Horizontal, 14V (head only)	10-02665	$1,349.00
MD41-1468A	Horizontal, 28V (head only)	10-02663	$1,339.00
MD41-1484W	Horizontal, 14V WAAS	10-02657	$789.00
MD41-1488W	Horizontal, 28V WAAS	10-02659	$772.00
MD41-1494W	Vertical, 14V WAAS	10-02660	$749.00
MD41-1498W	Vertical, 28V WAAS	10-02661	$749.00

GPS 400/500, GNC 420/520, GNS 430/530			
MD41-1418A	Vertical, 28V (head only)	10-02672	$1,228.00

AV

MID-CONTINENT ANNUNCIATION CONTROL UNIT

Designed to place annunciation and mode selection for the Terrain Awareness Warning System (TAWS) within the pilot's direct field of view, these annunciators provide tactile feedback to the pilot through internally lighted push buttons. Featuring automatic photocell dimming and manual and remote test capability, these units have excellent daylight readability. AWS Annunciation Control Unit - 28V, Vertical.
P/N 11-14271 ......**$1,543.00**
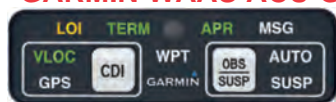
MID-CONTINENT ANNUNCIATION CONTROL UNIT MD41-444

Annunciation Control Unit 14V, Horizontal. With internal relay.
P/N 11-00967 ......**$1,465.00**

MID-CONTINENT GPS ANNUNCIATORS - GARMIN WAAS ACU GTN 650 / 750 SERIES

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.

Model No.	Description	Part No.	Price
MD41-1512	Horizontal, 14V, LED lighting	10-04769	$1,295.00
MD41-1510	Horizontal, 28V, LED lighting	10-04768	$1,294.00
MD41-1514	Horizontal, 28V, 5V lighting, LED lighting	10-06768	$1,294.00
MD41-1513	Vertical, 14V, LED lighting	10-06769	$1,294.00
MD41-1511	Vertical, 28V, LED lighting	10-06770	$1,294.00
MD41-1515	Vertical, 28V, 5V lighting, LED lighting	10-06771	$1,294.00

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNITS FOR GARMIN TAWS

Designed to place annunciation and mode selection for the Terrain Awareness Warning System (TAWS) within the pilot's direct field of view, these annunciators provide tactile feedback to the pilot through internally lighted push buttons. Featuring automatic photocell dimming and manual and remote test capability, units have excellent daylight readability.

Model No.	Description	Part No.	Price
MD41-1028	1-button, Horizontal, 28V, LED lighting	10-06782	$1,215.00
MD41-1038	1-button, Vertical, 28V, LED lighting	10-06784	$1,215.00
MD41-1048	3-button, HTAWS, Horizontal	10-06785	$1,215.00
MD41-1048(5V)	3-button, HTAWS, Horizontal, 28V, LED lighting	10-06786	$1,215.00
MD41-1058	3-button, HTAWS, Vertical	10-06787	$1,216.00

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNITS FOR GPS KSN 770

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.

Model No.	Description	Part No.	Price
MD41-1772	Horizontal, 14V, LED lighting	10-06778	$747.00
MD41-1770	Horizontal, 28V, LED lighting	10-06779	$747.00
MD41-1776	Vertical, 14V, LED lighting, NAV/GPS switch	10-06780	$1,268.00
MD41-1774	Vertical, 28V, LED lighting, NAV/GPS switch	10-06781	$1,014.00

MID-CONTINENT GPS ANNUNCIATORS - HONEYWELL KGP 560/860

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.
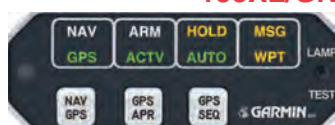
Model No.	Description	Part No.	Price
MD41-1208	2-button, Horizontal, 28V	10-06788	$1,215.00
MD41-1218	2-button, Vertical, 28V, LED lighting	10-06790	$1,215.00
MD41-1308	3-button, Horizontal, 28V	11-00722	$1,415.00

MID-CONTINENT GPS ANNUNCIATORS - GARMIN WAAS GNC 420W GPS 400W/500W- HORIZONTAL

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting. Horizontal, 28V (head only)
MD41-1408A .... P/N 10-02668 ....**$1,228.00**
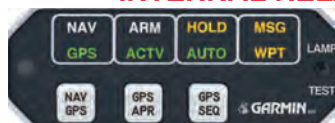
MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNIT HORIZONTAL FOR GPS 155XL/GNC 300XL

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.

Model No.	Description	Part No.	Price
MD41-1444	14V Head Only	10-06774	$1,077.00
MD41-444	14V with Internal Relay	11-00967	$1,465.00
MD41-1444 (REMOTE)	14V with Remote Relay	10-06775	$2,073.00
MD41-448	28V with Internal Relay	11-00968	$1,465.00

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNIT HORIZONTAL 28V WITH INTERNAL RELAY - MD41-428

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting. MD41-428.
P/N 10-06772 ......**$1,645.00**

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNIT HORIZONTAL FOR GPS KLN-900

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting.

Model No.	Description	Part No.	Price
MD41-1928	Horizontal, 28V (head only)	10-06776	$1,223.00
MD41-1928	Horizontal, 28V (with remote relay)	10-06777	$2,220.00

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNIT FOR GPS MARK 21

With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting. MD41-1368 ....P/N 10-06791 ......**$1,215.00**

MID-CONTINENT AVIONICS ANNUNCIATION CONTROL UNIT FOR GPS SANDEL TAWS

GPS Sandel TAWS. 3-button, HTAWS, Horizontal, 28V.
With fingertip annunciation and flight information in the pilot's primary view, annunciation control units (ACUs) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information, including waypoint, approach status and integrity alerting. MD41-1368 ....P/N 10-06792 ......**$1,410.00**

AV

KNEEBOARD FOR HANDHELD GPS & PDAS

This angled kneeboard accommodates virtually every handheld GPS or PDA. The circular base is slightly cone-shaped for a leg-conforming fit and is wiggle-free secured around either upper leg with a velcro tape. The GPS or PDA attaches with velcro on a slant surface, which is angled about 30° and permits a perpendicular view on the screen. ....P/N 11-01285 ....**$18.70**

TABLET MOUNTING SYSTEM

For iPad®, iPad2, iPad (3rd Generation), iPad Mini and other Tablet PCs by simply changing the mounting claws. Sturdy, durable high quality frame construction. Touch points securely hold your tablet in place without any damage. Universal metal tube clamp securely mounts to microphone stands and keyboard stands with tube diameters of up to 28mm. Multi-angle adjustment allows universal positioning of the tablet. The adapter allows for mounting the plate directly to a microphone stand. Quick set-up and release. Weight Packed: 0.88 lb(0.4 kg) Width Packed: 6"(15.24 cm) Height Packed: 8"(20.32 cm) Depth Packed: 3"(7.62 cm)......P/N 11-11869 ....**$29.95**

ANGEROLE INSTRUMENT PANEL MOUNT

The photo illustrates the Model 241 040 fitted to a blank instrument panel. An adaptor plate (included with the mount) fits any standard 2-1/4"" instrument panel hole so, generally, it can be fitted without any modifications to your airplane. If your application needs it, we can supply this mount with a 3-1/8"" panel adaptor plate.

If you don't have an unused panel hole, a viable alternative is to drill two holes and simply bolt the mount directly to your panel. The "footprint" area is only 2" x 0.5" so there's probably going to be somewhere you can make it fit. Naturally, you need to be certain this is appropriate, sensible and legal for your installation before drilling holes in your airplane. ....P/N 11-07238 ....**$225.00**

GUARDIAN INSTRUMENT PANEL FLUSH MOUNT FOR IPHONE 6 / 7

The iFDR Panel Mount series is a flush mounting system to easily dock and seamlessly integrate your Apple iPhone 6 or iPhone 7 into your aircraft instrument panel -- giving it a clean, professional appearance in an easy to view position! Once installed, the iFDR mount allows your iPhone to be docked in seconds, fully connected to power and audio with built-in cable ports. Removal is just as easy -- just slide, push, and remove! Add the convenience of all your favorite iOS aviation apps and communication on your iPhone 6 or 7 in easy reach and integrated in your new or existing panel with the iFDR Panel Mount for iPhone 6 / 7.
iPhone 6/7 ....P/N 13-18917 ....**$99.00**
iPhone 6+/7+ ....P/N 13-18918 ....**$145.75**

GUARDIAN INSTRUMENT PANEL FLUSH MOUNT FOR IPAD MINI

The iFDR Panel Mount for Apple iPad Mini is a flush mounting system to easily dock and seamlessly integrate your existing iPad Mini into your aircraft instrument panel -- giving it a clean, professional appearance in an easy to view position! Once installed, the iFDR mount allows your iPad to be docked in seconds, fully connected to power and audio with built-in cable ports. Removal is just as easy -- just slide, push, and remove!
iPad Mini...P/N 13-18919.........**$149.75**
iPad Air Pro 9.7 ....P/N 13-18921.........**$199.75**

CYCLONE 600 - 6 PORT AVIONICS COOLING FAN

The Cyclone-600 is a light weight, highly reliable brushless DC avionics blower that delivers 45-50 CFM of forced air to onboard aircraft electronics. The universal mounting system mounts vertical, horizontally or at 45 degrees for straight forward installations for all aircraft make and models.
Specifications: • Voltages: 12-14 VDC 600mA; 24-48 VDC 500mA • CFM: 45/50 CFM at 6000 RPM • Dimensions: 4.5in (H) x 3.0in (W) x 6.25in (L)

Description	Part No.	Price
Cyclone 600 6 Port Fan 12-14V	11-05221	$319.95
Cyclone 600 6 Port Fan 24/28V	11-05222	$349.95

CYCLONE 100 VDC BLOWER KIT

This New blower's universal mounting bracket makes it easy to set-up and install on a verity of aircraft Install immediately on experimental, sport and soon on general aviation, business, rotor-craft, commercial class aircraft as well as Land-Mobile, Marine and Military Vehicles. **Specifications:** • Light Weight: 52 grams, 0.115 lbs • Enclosure: Aluminum, (powder coated) • Vdc, amperage: 12 = 10.2-15.8Vdc, 0.320ma • Vdc, amperage: 24 = 18.2-28.5Vdc, 0.300ma • 1 port = 5/8 inch x 1.0 • Max Static pressure: H_2O = 0.64 • Max Air Flow: 6.7 CFM • Universal Mounting Bracket: (4)(mt)(h) • Operating Temp: -55C to +70C • FAA-PMA (pending), 6-30-08 • Ultra-Small Size: 2.0H x 1.00W x 2.0L • Easy Installation: (4 x 6-32) • 1 year Limited Warranty

Description	Part No.	Price
Cyclone 100 12 VDC Blower Kit LS03-02040	11-06567	$129.95
Cyclone 100 24 VDC Blower Kit LS03-02041	11-06568	$129.95
Cyclone 21 3 Port Cooling Fan 12V FAA/PMA	11-18380	$129.95
Cyclone 21 3 Port Cooling Fan 24V FAA/PMA	11-18381	$129.95
Cyclone 600 6 Port Cooling Fan 12V FAA/PMA	11-05221	$129.95
Cyclone 600 6 Port Cooling Fan 24V FAA/PMA	11-05222	$129.95

SANDIA SAFE 328 - 3 PORT COOLING FAN

The SAFE 328 is a three port blower that can effectively cool a complete avionics suite. Providing a nominal 20 CFM of cooling air (no load), the SAFE 328 provides an alert output should the blower RPM drop below a preset level. **Specifications**: • Operating Voltage: 28Vdc • Current Draw: 400 MA Nominal (550MA stratup) • Size: 5.58" x 4.75" x 1.25" • Weight: 1.18 lbs. Certification: PMA DO160D.........................P/N 11-11301 ....**$462.00**

SANDIA ACF 314 (3 PORT FAN)

The ACF 314 and ACF 328 simultaneously cool up to three avionics units. Operating on 14Vdc and 28 Vdc respectively the ACF 314 and ACF 328 supply up to 20 cubic feet of cooling air per minute, helping maintain your avionics at a proper operating temperature. FAA PMA's and have passed stringent envrionional testing to ensure years of reliable service. **Specifications**: • Operating Voltage: 14Vdc • Current Draw: 960mA (1.7A at startup} • Size: 5.18" x 5.18" x 2.1" • Weight: 1.18 lbs.
AFC 314 (14V)...P/N 11-06345 ....**$283.95**
AFC 328 (28V)...P/N 11-11300 ....**$307.00**

SANDIA ACF 528 5 PORT FAN

The ACF528 is a FAA-PMA'd five port cooling fan that produces cooling air for one to five avionics units. Supplying up to 20 cubic feet of air per minute at 28 Vdc, the ACF528 can easily cool an entire stack of avionics. The ACF528 uses a brushless blower motor to provide years of reliable RunQuiet ™ operation. **Specifications:** • Operating Voltage: 28Vdc • Current Draw: 480mA (850mA startup) • Size: 5.13" x 6.77" x 2.1" • Weight: 1.18 lbs • Certification FAA-PMA: DO160C
P/N 11-08020 ....**$299.95**

SANDIA SAFE 128 AXIAL FAN

The SAFE 128 is an axial fan that is designed to attach directly to an avionics unit's cooling port. Providing a nominal 20 CFM (no load) of cooling air. The SAFE 128 provides an alert output whenever the fan RPM drops below a preset level. **Specifications:** • Voltage: 28 Vdc • Current Draw: 100mA nominal <.250mA Startup • Size: 2.36" x 2.87" x 1.44" • Weight: .25 lb. • Certification: PMA,DO160D • With Fault Detention ....P/N 11-08019 ....**$215.95**

AV

BATTERIES AND
BATTERY CHARGERS FOR HANDHELDS

Battery Model	Description	Part No.	Price
For Icom A24/A6			
BP-210N	7.2V 2000mAh Ultra long life	11-08251	$42.75
BP-211N	Lightweight, Ultra ling life. Li-On charger required.	11-08254	$49.95
EMS-211	Rapid Desktop Cgr for BP-211/N	11-08256	$51.65
For ICOM A23/A5 Handheld aviation radios-			
BP-197H	Alkaline Battery pack	11-01082	$23.95
BP-200XL	9.6v 1450 mAh long Life Ni-MH	11-06351	$56.75
BP-200L	9.6V 850mAh	11-08274	$44.50
CP-12L	12VDC Cig Lighter for A5	11-08249	$15.95
For ICOM A-4 Handheld aviation radios-			
BP-196	9.6v 1500 mAh pk	11-00227	$49.95
EMS-196	Desktop Fast Charger BP-195/196	11-08248	$49.85
For ICOM A-22 &A-3 radios-			
CM-166	NiMH Battery 12.0v 1200 mAh	11-00228	$51.85
EMS-166	Desktop Charger for CM-166	11-08236	$51.95
EC-166	Wall charger for CM-166	11-08234	$11.95
BC-79A	Desktop Charger	11-18557	$59.95
WC-166	Battery Charger	11-08234	$11.95
For ICOM IC-A14 / IC-A14S Handheld aviation radios-			
BP-232N	Operating Time: 15.5 hours	11-08231	$42.75
For ICOM A-20, A-21, & Delcom-			
CM-7x	13.2v 1000 mAh pk	11-00230	$51.95
IC-WC	Wall charger for CM-7 / CM-7X	11-08237	$11.95
IC-8	8 cell AA case 3-1/4" tall	11-08246	$26.75
IC-CP	Car Power/Charge cord	11-00351	$13.85
For ICOM R-1 radios-			
BP-83	7.2v 600 mAh pk	11-00233	$39.95
BP-83xh	7.2v 1500 mAh pk	11-00234	$49.50
BC-79A	Desktop Quick Charger	11-18557	$59.95
Icom Chargers			
CP-11L	DC Power/Charge Cord for ICOM IC-T90A, IC-91AD, IC-A24, IC-A5	11-06348	$29.95
EMS-201	7.2V thru 13.2V Ni-cd & Ni-MH	11-08245	$49.95
EMS-210N	Smart charger for ICOM	11-06350	$54.95
EMS-232	Rapid Desktop Charger for Icom-style Lithium ION Bttys	11-08233	$49.95
EMS-30i	Desktop smart-quick charger.	11-06352	$52.50
For Yaesu Aviator Pilot & Aviator Pro nav/com radios-			
FNB-41xh	9.6v 1000 mAh pk	11-00237	$44.85
FNB-47xh	7.2v 1800 mAh pk	11-00238	$49.95
FNB-41xs	9.6v 1450 mAh pk	11-06354	$53.50
EMS-41/47	Rapid Cgr for FNB-40/41/47	11-08244	$52.00
FNB-80LI	7.2V 1600mAh Yaesu & Vertex	11-08268	$45.50
CBE-41	Battery Eliminator	11-06355	$24.50
CBE-80	Battery Eliminator Cig Lighter	11-08269	$23.95
E-DC-5BA	DC Power Cord, Cig Lighter	11-08241	$18.75
EM-57-83	Super Desktop Charger	11-08239	$51.50
For Bendix/King radios-			
BP-KX99	10.0v 1500 mAh pk	11-00240	$45.50
KX-99XH	10.0V 2700 mAh	11-08257	$51.95
IC-CP	Car Power/Charge cord	11-00351	$13.85
KX-99	Battery case, 8-cell AA (BP-99A)	11-08258	$32.85
For STS handheld radios-			
BP-STS+	7.2v 1400 mAh pk	11-00241	$38.75
WC-STS	Wall Charger	11-00352	$20.75
For Bearcat/Uniden 100/200/250XLT-			
For Bearcat/Uniden 2500XLT, 3000XLT, & 3500XLT-			
BP-2500x	6.0v 1000 mAh pk	11-00322	$57.85
For Bearcat/Uniden Trunk Tracker & Sportcat-			
BC-120	4.8v 1000 mAh pk	11-00323	$17.25
BC-120x	4.8v 1500 mAh pk	11-00324	$27.95
BP-120XE	4.8V 2000 mAh Long Life	11-08272	$31.85
BP-120XX	4.8V 2500 mAh	11-08273	$29.50
BP-120 80	4.8v 800 mAh pk	11-08270	$13.85
BP-120 110	4.8v 1100 mAh pk	11-08271	$18.75
For Santec/Narco radios-			
BP-800	9.6v 600 mAh pk	11-00242	$32.50
BP-800sh	9.6v 1000 mAh pk	11-00325	$37.95
Standard C228A/C528A/C628A, etc.			
CNB-152XS	12V 1800mAHr NiMH	11-08261	$49.95
CNB-152XH	12V 1200mAh Long Life	11-08259	$42.50
CSA-181	Quick Desktop Charger	11-08266	$49.95
For Bose Aviation Headset Series 1			
BP-A	14.4v 1250 mAh	11-00243	$80.00
Battery Eliminators			
CBE-152	DC Battery Eliminator for standard-ADI-JRC radios	11-08262	$23.95
CBE-196	Battery Eliminator for ICOM	11-08247	$23.85
CBE-83	12VDC. 5W, Voltage & Current limiting, & noise filter!	11-08238	$22.95

XCOM REMOTE HEAD

The newest addition to the XCOM range is the XCOM VHF Remote Head option. Interfacing with the XCOM VHF, this tiny unit provides remote access to all of the capabilities of the XCOM VHF Radio in one quarter of the space.   Ideal for training situations, tandem seat aircraft, limited space installations or simply to provide easy access for both pilot and co-pilot, this unit duplicates the entire XCOM VHF display and provides full access to all functions (except power on) from the front panel of the radio. The connection between the remote head and the XCOM VHF radio is via a simple cable allowing all of the controls on either panel to be duplicated on the remote. When the master unit is changed, the remote head follows and vice versa. For example, if the pilot in the front seat of the aircraft adjusts the radio to 123.450 then the remote display also adjusts to show 123.450. If the toggle button is pressed on the remote, then the frequencies are toggled on both units. All of the XCOM features apart from powering on can be duplicated with a remote head option. The remote head is extremely small, being less than 1 1/2" deep (40mm), allowing it to be installed in places where the XCOM will not fit such as in the very tight confines of the panel in the Pitts Special

P/N 11-04399 .... **$394.00**

XCOM INSTRUCTIONAL DVD
Instructional DVD explaining the complete operation and set-up of the XCOM VHF Transceiver. 30 minutes duration. ....P/N 11-05674 ....**$4.95**

XCOM GLIDER BOOM MICROPHONE
Boom Microphone - More than 1200 made and used all over the world, 3 year guarantee.
P/N 11-05675 ....**$169.99**

XCOM GLIDER SPEAKER
Glider Speaker - Clear sound and easy to understand 5 watts output 8 ohm.
P/N 11-05676 ....**$42.50**

XCOM VOLTAGE CONVERTER 15-38V
Switch mode voltage converter with soft shutdown and intelligent control. Input Voltages 15 to 38 Volts, Output 13.2 Volts 7 amps. Compact, efficient, short circuit protected, reverse polarity protected, overload protected. Perfect for warbirds. Made in the UK. Lightweight 195 grams (6.8 oz), Mounting bracket supplied.
P/N 11-05680 ....**$210.95**

XCOM STEREO VIDEO PATCH CABLE
Seamlessly connect a Stereo or Mono Video Camera, Tape Recorder or Digital Voice Recorder into your aircraft headsets and record all communications between the Pilot and Co-Pilot, ATC and other Aircraft. Perfect for making your own aviation videos with crystal clear narration, flight training or many other uses.
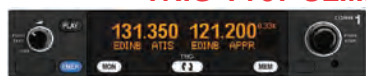P/N 11-05658 ....**$43.00**

AV

TRIG TY91/TY92 DUAL CONTROL TRANSCEIVERS

The TY91/TY92 is an innovative two-part radio with a remote mounted radio and a panel mounted controller. A crisp clear display and simple user interface. The 'Dual Watch' feature allows the monitoring of two frequencies at the same time. There are 9 pre-set channel memories which are all easily selectable. The radio can integrate with popular GPS units; this allows the automatic display of en-route radio frequencies (uses industry standard SL40 protocol). Also has a built-in two place intercom with an aux input, saving further cost and weight. • EASA ETSO and FAA TSO certification • Two controller option for tandem cockpits • Unbeatable value and quality – designed and manufactured in the U.K. • Two year worldwide warranty.

TY91	P/N 11-13343	**$1,607.00**
TY92	P/N 11-11344	**$2,998.00**
TY91 Remote Unit	P/N 11-16849	**$1,066.00**
TY92 Remote Unit	P/N 11-16850	**$2,678.00**

TRIG TY97 SLIMLINE VHF

Trig's TY97 aviation radio sets a new standard in high power dual 25 kHz and 8.33 kHz radio design. Combining great quality and performance each radio is housed within a superbly engineered unit, slim-line and light. At only 33mm high (1.3") the radio saves valuable stack space, but retains innovative and practical features. The TY97 is a 16 Watt certified radio, designed for high performance aircraft with a 28 volt power supply. With enhanced performance the TY97 ensures successful reception and transmission over long distance or from high altitudes.

TY97	P/N 11-14888	**$2,775.00**
TY97A 25 khz	P/N 11-15377	**$2,360.00**
Installation Kit	P/N 11-15378	**$139.75**

TRIG TY91 VHF RADIO SYSTEM

The majority of GA users including light sport, ultra-light, glider and balloon pilots will fit the Trig TY91 radio, this lower powered 6 watt model is ideal for the majority of applications. Features: • Can be set at 25 kHz and 8.33 kHz • Receiver - Class C, Class E / Transmitter - Class 4, Class 6 • 6 Watt power output • Compact and light weight • Take up minimal space and weight • Dual watch and two place intercom • Operation is simple, rapid frequency selection • Nine programmable memories • Can be battery operated • Full certified • Compliments Trig's TT21 and TT22 Mode S Transponders • Flexible installation options due to 2 piece design • Can be mounted in a standard 2 1/4" hole or even smaller compact mount • Once fitted, the depth of the radio control head is less than 1 1/2" deep • Crisp display, visible in all lighting conditions • TY91 is a lower powered model, ideal for light sport, ultra light, glider and balloon pilots and majority of GA users

	P/N 11-10721	**$1,291.00**
TY91/TY92 Remote Installation Kit	P/N 11-16858	**$50.50**

TRIG TY96 SLIMLINE VHF RADIO

The TY96 aviation radio is designed to provide fast switching between 8.33 kHz and 25 kHz. Its slimline and lightweight design—at only 33mm in height—saves valuable stack space while retaining innovative and practical features. The TY96 is a certified 10 watt radio designed for general aviation and light sport applications and is ideally suited to the needs of experienced and novice pilots alike.

TY96	P/N 11-14888	**$2,775.00**
TY96A 25 khz	P/N 11-15376	**$1,693.00**
TY96/TY97 Installation Kit	P/N 11-15378	**$139.75**

TRIG TT22 MODE S TRANSPONDER

Trig makes the world's smallest and lightest certified GA transponders. The TT22 Trig compact transponder can fit into the tightest panel space. This allows general aviation, light sport and glider pilots to fit other instrumentation or displays that otherwise might not have been possible. The TT22 is a class 1 transponder suitable for use in higher performance aircraft flying above 15,000 feet and / or above 175 knots. Compact size - takes minimal panel space, fits in a standard instrument hole. Integrated altitude encoder. Certified for IFR / VFR flight. Certified class 1 transponder 250 watts nominal output. Low weight – 440g (0.8 lbs). Low power consumption. 1090ES ADS-B out capable. EASA ETSO and FAA TSO Certification – includes TSO C166b the latest ADS-B standard. Unbeatable value and quality - designed and manufactured in the U.K. 2 year worldwide warranty.

Transponder	11-08322	**$2,111.00**
Transponder and 4 ft. Harness	11-12078	**$2,241.00**
Transponder and Custom Harness	11-12079	**$2,291.00**
TT22 & TN70 ABS-B Out Combo	11-14872	**$3,552.00**
TT22 & TN70 ABS-B Out Combo w/ 4ft Harness	11-14874	**$4,151.00**
TT22 Remote Unit	11-16848	**$1,645.00**

TRIG TT21 MODE S TRANSPONDER

Trig makes the world's smallest and lightest Mode S certified GA transponders. The TT21 Trig compact transponder can fit into to the tightest panel space. This allows general aviation, light sport and glider pilots to fit other instrumentation or displays that otherwise might not have been possible. The TT21 is a class 2 transponder and our most popular compact transponder model. Compact size - takes minimal panel space, fits in a standard instrument hole. Integrated altitude encoder. Certified for IFR / VFR flight. Certified class 2 transponder 130 watts nominal output. Low weight – 440g (0.8 lbs). Features: • Low Weight • Minimal Panel Space • Low Power Consumption • 130 Watts Nominal Output • Integrated Altitude Encoder • Simple Installation • Easy to Use Rotary Knobs • Support for ADS-B Out.

TT21 Mode S Transponder Complete Kit...	P/N 11-07999	**$1,986.00**
Install Kit	P/N 11-09755	**$148.75**
Mounting Tray	P/N 11-09758	**$30.50**
RAM Cradle UNI Thick Tablets	P/N 11-09768	**$22.99**
TC20 Control	P/N 11-09762	**$490.00**
TT21 Remote Unit	P/N 11-16847	**$1,520.00**

TRIG TT31 MODE S TRANSPONDER

Trig's TT31 transponder is the perfect retro-fit for the popular Bendix King KT76A and KT78A transponders. The TT31 is a certified Class 1 transponder which will 'plug and play' straight into the existing Bendix King tray. This significantly reduces both installation time and cost. It provides pilots with class leading Mode S technology that is also 1090ES ADS-B Out capable too (ADS-B functionality requires a Trig tray). Retrofit – 'plug and play' installation for KT76A and KT78A transponders. Certified Mode S and 1090ES ADS-B Out capable. Certified for IFR / VFR flight. Lowest power consumption in class. 240 watts nominal output. Great functionality and performance. Features: • European Mode S • Low Power Consumption • No Cavity Tube • 240 Watts Nominal Output • Plug and Play Installation • Backlit LCD Display • Easy to Use Rotary Knobs • Timer/Stopwatch Function • Altitude Monitor • Certified 1090ES ADS-B out

Transponder	P/N 11-07997	**$2,296.00**
Transponder with 4 ft Harness	P/N 11-13304	**$2,333.00**
Transponder with Custon Harness	P/N 11-13305	**$2,383.00**
Transponder Replacement KT-76X	P/N 11-07998	**$2,222.00**
Installation Kit	P/N 11-09754	**$120.00**

TRIG TMA44 STANDARD AUDIO PANEL

The TMA44 suits aircraft owners looking for a great value panel that covers general aviation requirements. This panel supports 2-4 seats with independent control of crew and passenger audio. The TMA44 enables simple control of all your navigation, communication and entertainment choices – benefiting from Trig's 'Better by Design' philosophy. The result, a logical and high quality interface that's easier to use. The TMA44 has features pilots need to operate in both IFR and VFR flight, whilst providing mono entertainment options too.

	P/N 11-16007	**$1,140.00**

TRIG TMA45 STANDARD AUDIO PANEL

The TMA45 is our fully featured panel, perfect for aircraft owners who don't want to compromise. If you are looking for great quality audio, stereo music and mobile phone support via Bluetooth then this panel provides it all. The control of your navigation, communication and entertainment will be simplified as the TMA45 benefits from Trig's 'Better by Design' philosophy. The result – a logical and high quality interface that's easier to use, with features pilots and passengers will really appreciate.

	P/N 11-16011	**$1,640.00**

AV

TRIG AVIONICS

TRIG TX56 / TX56A
COMPLETE NAV/COM FAA TSO

Trig's TX56 Nav/Com units provide the ideal platform to update legacy avionics or equip your new aircraft. Slimline and highly efficient both Nav/Com models are housed within a superbly engineered case. At only 33mm high each unit saves valuable space yet contains an impressive selection of practical features for any pilot.

The TX56 is available with 8.33 kHz channel spacing or conventional 25 kHz spacing, with 10 Watt transmit power. The TX56A and TX57A are 760 channel radio versions (non 8.33 kHz for use outside Eåurope).

Features:
• Slimline – only 33mm high
• Bright, clear display / simple user interface
• Unique 'Push Step' for faster tuning
• Dual Watch – monitor two com or two nav frequencies at the same time
• ETSO and TSO approval (pending)
• Stereo music / two place intercom
• 'Say Again' feature – allows playback of last transmission
• USB port on facia – upload over 200 com and nav frequency database (CSV file)
• VOR/ILS receiver – monitor a 2nd VOR
• Built in VOR/LOC converter
• Built in digital CDI
• Built in 40 channel glide slope receiver
• Highly efficient – no cooling fans or external cooling required
• Ideal retro-fit for legacy radios – unit is same height as an SL30
• Unbeatable quality – designed and manufactured in the U.K.
• Two year worldwide warranty

Specifications:
Type: Certified
Certification: ETSO 2C128, 2C169a, 2C34f, ETSO 2C36f, 2C40c; TSO-C128a TSO-C169a, C34e, TSO-C36e, C40c
Compliance: ED-23C, ED-67, DO-186B, DO-178B; Level B, DO-160G, DO-254 Level C
Supply Voltage (DC): 11 – 33 V
Typical Current Consumption (at 14v): (at 14V) receive: 265 mA transmit: 2A
Nominal Transmitter Power: 10 Watt
Operating Temperature: -20°C to +55°C
Cooling Requirement: No fan required
Weight: .1 kg / 2.42 lbs
Dimensions (mm) controller: H 44 x W 63 x L 54 mm; transponder in tray: H 48 x W 68 x L 160 mm
Dimensions (inches) 33 x W 159 x L 270 mm
Installed Depth in Tray (inches): 9.05" long
TX56 (8.33 kHz channel spacing) ....P/N 11-16837 ......**$3,215.00**
TX56A (conventional 25 kHz spacing) ....P/N 11-16838 ......**$2,939.00**

TRIG TN72 GPS RECEIVER

Flying in busy skies, or in remote areas means that many pilots want to exploit the visibility and safety that ADS-B provides. ADS-B In traffic receivers, used in general aviation today, allow a pilot to view ADS-B Out equipped aircraft on a cockpit display. The TN72 meets the position requirements of FAR 91.227 and can be used by Light Sport and Experimental aircraft in the U.S. to meet the 2020 ADS-B mandate. The TN72 is a highly affordable solution when used in combination with a Trig transponder. A TN72 will be visible across all ADS-B In traffic platforms. By installing a TN72 with your Trig transponder you will have a certified collision avoidance safety benefit – that's easy to install and proven to work with Trig transponders.
P/N 11-14845 ....**$365.00**

TRIG TA70 GPS ANTENNA

The TA70 can be paired with either the TN70 or TN72 GPS receivers. Each antenna comes with a simple installation guide and fixing kit. The antenna is light, easy to install and comes with a superior gasket feature – this provides coverage of existing antenna holes, giving a secure and weather tight seal. The TA70 antenna is included as standard in a TN70 GPS kit. This simplifies compliance as both the GPS and antenna meet the FAA 2020 mandate for ADS-B. For certified aircraft owners in North America, Trig offers a free FAA STC for the TA70 – this makes it straight forward to use in numerous popular airplane types..............P/N 11-15241 ....**$317.00**

TRIG TX57 / TX57A NAV/COM

Trig's TX57 Nav/Com units provide the ideal platform to update legacy avionics or equip your new aircraft. Slimline and highly efficient both Nav/Com models are housed within a superbly engineered case. At only 33mm high each unit saves valuable space yet contains an impressive selection of practical features for any pilot.

The TX57 is available with 8.33 kHz channel spacing or conventional 25 kHz spacing, with 16 Watt transmit power.

Features:
• Slimline – only 33mm high
• Bright, clear display / simple user interface
• Unique 'Push Step' for faster tuning
• Dual Watch – monitor two com or two nav frequencies at the same time
• ETSO and TSO approval (pending)
• Stereo music / two place intercom
• 'Say Again' feature – allows playback of last transmission
• USB port on facia – upload over 200 com and nav frequency database (CSV file)
• VOR/ILS receiver – monitor a 2nd VOR
• Built in VOR/LOC converter
• Built in digital CDI
• Built in 40 channel glide slope receiver
• Highly efficient – no cooling fans or external cooling required
• Ideal retro-fit for legacy radios – unit is same height as an SL30
• Unbeatable quality – designed and manufactured in the U.K.
• Two year worldwide warranty

Specifications:
Type: Certified
Certification: ETSO 2C128, 2C169a, 2C34f, ETSO 2C36f, 2C40c TSO-C128a TSO-C169a, C34e, TSO-C36e, C40c
Supply Voltage (DC): 22 – 33 V
Typical Current Consumption (at 14v): (at 28V) receive: 140 mA transmit: 2.5A
Nominal Transmitter Power: 16 Watt
Operating Temperature: -20°C to +55°C
Cooling Requirement: No fan required
Weight: .1 kg / 2.42 lbs
Dimensions (mm) controller: H 44 x W 63 x L 54 mm; transponder in tray: H 48 x W 68 x L 160 mm
Dimensions (inches) 33 x W 159 x L 270 mm
Installed Depth in Tray (inches): 9.05" long
TX57 (8.33 kHz channel spacing) ....P/N 11-16840 ......**$3,951.00**
TX57A (conventional 25 kHz spacing) ....P/N 11-16842 ......**$3,675.00**

TRIG TC90 RADIO CONTROL HEAD

This innovative use of a control head and separate radio hardware unit (sold separately) provides more installation options, especially when space is at a premium. The control head can be conveniently mounted in a full 57mm (2 ¼") round hole or even smaller compact mount. Fitting is straightforward, and once installed the depth of the radio control head is only 74mm (3"). In practice this means that the Trig compact control head can be located in an aircraft instrument panel where a 'single box' radio will simply not fit. The compact radio is the perfect communications partner to our compact transponder Mode S (1090 ES ADS-B Out transponders). ....P/N 11-16851 ....**$339.00**
Installation Kit ....P/N 11-16857 ....**$61.75**

TRIG TI106 CDI COMPLETE FAA-TSO

Trig's TI106 is a 3″ Course Deviation Indicator, ideally matched for the TX56 and TX57. Using the latest generation of indicator technology, solid state actuators provide smooth and dependable navigational indications. Use of LED technology for both flags and backlighting provides a superior display compared to older legacy indicators. The TI106 will support most existing Nav/Com equipment, making it a suitable replacement CDI across general aviation. **Features:** FAA TSO-C34e certified CDI • Solid state technology • Superior LED lighting • Optimized for use with Trig Nav/Comm units • Lightweight and simple to install • Ideal as a retro-fit CDI option • Certification: ETSO C34e, C36e, 2C40c, TSO-C34e, C36e, C40c ....P/N 11-16843 ......**$2,299.00**
Installation Kit ....P/N 11-16853 ....**$111.75**

Prices Subject to Change Without Notice

ACK A-30 ALTITUDE ENCODER

Add Mode C capability to your aircraft the most cost-effective way. The ACK encoder is the smallest, lightest, highest quality encoder available today and features the latest solid-state electronics for high reliability. Installation is quick and easy and usually is completed in less than 1 hour. It is compatible with most transponders in use today and reports altitude to 30,750 ft. Includes quick-release mounting tray, 4-ft. color-coded wiring harness with prewired jack, static line and fittings for installation in any aircraft, and installation manual with popular transponder pin-outs. 3yr. warranty. ....P/N 11-01561 .... **$236.95**

ACK A30.9 (MOD 9) ENCODER

The ACK A30.9 (Mod 9) encoder is ideal for use with most GPS and TAWS systems, and works well with most of today's mode S transponders. Feature Gray code in 100ft. increments and RS-232 in 10 or 100 feet increments. Furnished with a 4 ft. harness, pre-wired jack, quick release mounting tray, fittings, static line, and installation manual. Reports altitude to 42,000 ft. One Year Warranty...................P/N 11-02375 ....**$252.95**

TRANS-CAL ALTITUDE ENCODER MODEL SSD120-30N

Reliable service for over 10 years. • Pin for pin replacement for most other manufacturers encoders. • Comes with Mating Connectors with Cable Clamps, and Mounting Bracket. • Optional: Available with two independent RS232 serial data ports selectable message protocols for most popular avionics interfaces. Programmable for 100' and 10' resolutions. See Part No. 11-06983 • Optional: Available with adapter plates that will allow the installer to mount the unit in another manufacturers mounting tray. 30,000 ft.

Range...P/N 11-06489 ....**$274.95**
35,000 ft. Range..P/N 11-09608 ....**$325.00**
SSD120-30N-MOD1.....................................P/N 11-09916 ....**$274.95**

TRANS-CAL ALTITUDE ENCODER MODEL SSD120-30N-RS232

Reliable service for over 10 years. Pin for pin replacement for most other manufacturers encoders. Optional: Available with adapter plates that will allow the installer to mount the unit in another manufacturers mounting tray. • Will operate on either 14 or 28 VCD at 0.270 Amps. There are two versions of this model: • Standard Version SSD120-30N-RS232 • Version SSD120-30N-RS232-MOD1 for NARCO AT-5A, 6A, 50, 50A Transponders.

30,000 ft. Range...P/N 11-06983 ....**$325.00**
35,000 ft. Range...P/N 11-09609 ....**$439.00**
SSD120-3N-RS232-MOD1..........................P/N 11-09917 ....**$325.00**

TRANS-CAL ALTITUDE ENCODER MODEL SSD120-35C-RS232

The smallest, lightest, and lowest power consumption Altitude Digitizer on the market. The SSD120-35C-RS232 is a solid-state Altitude Encoder that is designed to provide a rugged and reliable altitude digitizer for applications where size, weight and economy are critical. Incorporating one ICAO gray code port, as well as two RS232 serial altitude data outputs, this encoder is a simple and robust addition to any avionics installation requiring accurate pressure altitude information for multiple aircraft systems. ......P/N 11-15366 ....**$214.95**

TRANS-CAL ENCODER PROGRAMMER

The ECP-100 allows the avionics technician to assign serial port protocols, 100' or 10' resolution and/or allow programming of the calibration curve on Trans-Cal Altitude Encoders using the RS232 port. Trans-Cal Altitude Encoders with RS232 ports are a popular pressure altitude solution; providing serial altitude data in the aircraft for a variety of systems. The ECP-100 provides a quick, rugged and reliable method to set serial port protocol assignments (message and baud rate) and calibrate Trans-Cal altitude encoders without using a PC.....P/N 11-13201 ....**$658.00**

TRANS-CAL NANO ADAPTER PLATES

Trans-Cal Industries has developed Adapter Plates that allow the technician to quickly replace existing or legacy encoder installations in favor of the new Trans-Cal SSD120-(XX)N series of altitude digitizer/encoders. These plates simplify the installation task by providing an adapter designed for the Trans-Cal unit, while utilizing the exisiting mounting tray. All adapter plates include stainless steel mounting hardware and are approved for installation under TSO-C88a and ETSO-C88a

Adapter Plate	Part No.	Price
ACK	11-09603	**$23.95**
Ameri-King	11-09605	**$23.95**
Sandia	11-09602	**$23.95**
Shadin	11-09604	**$23.95**
SSD120 and Narco	11-09601	**$23.95**
Sandia 103035	11-13198	**$23.99**
Sandia 103036	11-09602	**$23.95**

SANDIA SAE5-35 ALTITUDE ENCODER

The SAE5-35 altitude encoder from Sandia is small (1" high), lightweight (12 oz.) and utilizes Gillham Grey code in 100' resolution for optimum performance and accuracy. Features two RS232 outputs in 10 foot resolution, simplifying installations. All connectors are on the same side for easy mounting, and digital calibration eliminates analog drift. Altitude In-Flight Monitoring (AIM) mode alerts the pilot when he strays off altitude. Requires virtually no warm up time and uses very little power. Fully TSO'd and backed by factory 3 year warranty. Power: 11-33VDC.
P/N 11-00665 ....**$399.00**

SANDIA SAC 7-35 AIRDATA COMPUTER

The SAC 7-35 is FAA TSO Approved as an altitude encoder. It provides standard Gillham Grey code for legacy transponders and RS-232 data for the new generations of transponders. Altitude Alerting. The SAC 7-35 has SANDIA Aerospace's exclusive AIM (Altitude Inflight Monitoring) that alerts the pilot anytime he deviates more than 100 feet from his selected altitude. Fuel Flow. The addition of a fuel flow transducer (two for a twin) and your SAC 7-35 provides all the fuel flow data your navigation systems needs to monitor your fuel situation. Airdata Computer. The SAC 7-35 is a full up TSO'd Airdata Computer offering all of the functions and capabilities of systems costing thousands of dollars more. The SAC 7-35 has multiple interface formats that allow it to provide data to a wide variety of avionics systems. Designed and manufactured to most exacting standards, you can depend on SANDIA Aerospace products to provide years of reliable service. And every product is backed by a three year warranty and personal service support.
P/N 11-07938 ......**$2,533.00**

SANDIA SAC 7-35-01 AIRDATA COMPUTER

The SANDIA aerospace SAC 7-35-01 is an airdata computer and data translator that interfaces the Garmin 400W/500W navigators Downlinked Aircraft Parameters in ARINC 429/743 format to the Collins TDR 94D for ADS-B out capabilities. Note: Interfaces with Garmin 400W/500W navigators. Functions: • Altitude Encoder. The SAC 7-35 is FAA TSO Approved as an altitude encoder. It provides standard Gillham Grey code for legacy transponders and RS-232 data for the new generations of transponders. • Altitude Alerting. The SAC 7-35 has SANDIA Aerospace's exclusive AIM (Altitude Inflight Monitoring) that alerts the pilot anytime he deviates more than 100 feet from his selected altitude. • Fuel Flow. The addition of a fuel flow transducer (two for a twin) and your SAC 7-35 provides all the fuel flow data your navigation systems needs to monitor your fuel situation. • Airdata Computer. The SAC 7-35 is a full up TSO'd Airdata Computer offering all of the functions and capabilities of systems costing thousands of dollars more. The SAC 7-35 has multiple interface formats that allow it to provide data to a wide variety of avionics systems..........................P/N 11-09321 ......**$4,194.00**

TRANS-CAL ALTITUDE DATA SIMULATOR

The Model ADS-100 is an all solid-state device that simulates the output of altitude encoders/digitizers in both parallel and serial (RS232) data formats. Designed to substitute for an altitude encoder when testing and troubleshooting an aircraft's altitude reporting system, the ADS-100 provides two RS-232 compliant outputs in addition to the ICAO pressure altitude code. The Model ADS-100 provides a simple and robust means of simulating serial and parallel altitude data inputs for multiple aircraft systems. The bright two-line vacuum fluorescent display gives the test technician a view of the current altitude code transmission on both the serial and parallel ports. LED indicators display the status of the encoder strobe, power and serial data protocol pins, as well as the binary ICAO altitude code. Audible alerts are generated at 1000' or 100' altitude code transition points. Front panel switches control the device power, altitude hold, ascent/descent rate, audible signals and serial data protocol. ....P/N 11-13199 ....**$549.00**

MICROAIR EC2002 ALTITUDE ENCODER

EC2002 will accurately report the aircraft's altitude from -1000 to +35,000ft. The altitude output will be via the 10 line Gillham "Gray" code. Accuracy has been measured as a 40 foot drift over 35,000 feet. Lowest power requirements of any altitude encoder today. Typical current consumption of 10 – 90mA, this makes it the logical choice for all battery only operators. Small size and light weight make installation very simple. The chassis is flanged, and is predrilled with mounting holes for easy attachment. The connections consist of the well know DB-15 electrical connector with pin assignments identical to many existing encoders, and a 1/8" NPT fitting which is an industry standard for aircraft equipment. These connections make it compatible with all ATC transponders currently available.
P/N 11-05105 ....**$365.00**

AV

BECKER AVIONICS

BECKER MODE S BXP-6403

The BXP6403-2-(01) is a compact and lightweight single block Mode-S transponder. It is certified according to ETSO-2C112b and is suited for VFR and IFR operations up to 15000 feet. The transponder is equipped with extended squitter and SI code function and it provides an interface to the central aircraft data system. Provides ADS-B via extended squitter. The BXP6403-2-(01) is designed for slide-in mounting (tray available) and fits into a 160.3 x 41.28 mm cut out. The use of an adapter (available as accessory) allows for retrofit in a KT 76 A tray.

Description	Part No.	Price
Bxp6403-2-(01) - Mode S Transponder with installation kit for retrofit of kt76a - for vfr installation type 175 watt power output, extended squitter	11-06608	$3,490.00
Bxp6403-1-(01) - Mode S Transponder with installation kit for retrofit of kt76a - for ifr installation type 250 watt power output, extended squitter	11-06609	$3,785.00
Mode S Tansponder with installation kit for new installation. Class 2 for vfr installation type 175 watt power output, extended squitter	11-06694	$3,757.00
Mode S Transponder with installation kit for new installation. Class 1 for ifr installation type 250 watt power output, extended squitter	11-06695	$3,696.00

BECKER RFA6403-1 RETROFIT ADAPTER FOR KT76A

Attach the RFA6403 adapter to the back of any Becker BXP6403 Mode A/C/S transponder and make it a "slide-in" replacement for a KT-76A transponder.
P/N 11-11462 ....$319.00

BECKER BE6400-01 BLIND ENCODER

The BE6400 blind encoder is designed with an integral plug to allow direct mounting to any Becker transponder. It also incorporates a built in port for simple connection to the static system. Other features include reporting increments of 100 feet and altitude capability up to 20,000 feet. .P/N 11-11461 ....$395.00

BECKER AR 6201 TRANSCEIVER

AR6201 series of square sized VHF transceivers from Becker are a family of affordable airborne radios optimized by their functionalities, state of the art technology, compact dimensions, and low weight for many different aircraft categories in general aviation, from smaller to larger aircraft.
The radios fit in any 2 1/4 inch cut out for easy installation and the different models are equipped with sunlight readable LC displays and high performance transmitters with 6 or 10 watts power output, continous power supply from 10.25 to 33 V DC, 8.33 kHz / 25 kHz channel spacing, sensitive receiver, VOX intercom and many other features.
• 8.33 or 25 kHz • Supply voltage 9-33 V DC • 6 W or 10 W transmit power • VOX / INTERCOM • Scan (SCN) mode active/preset frequency • Tandem Operation.

Model No.	Channel Spacing	Part No.	Price
AR6201 -(022)	VHF transceiver 6W, 8.33/25kHz spacing, blue white backlight LC - display Article - No. 0636.399 - 910	11-08550	$1,895.00
AR6201 -(122)	VHF transceiver 6 W, 25 kHz channel spacing only, blue white backlight LC - display Article - No. 0636.355 - 910	11-12272	$1,695.00
---	Wiring Harness	11-07086	$297.95

BECKER CU 6401-1 CONTROL UNIT

Control Unit for the BXP 6402 series transponders. Together with the Mode-S transponder BXP 6402, the control unit CU 6401 forms the aircraft part of the air traffic control system.
CU 6401-1 ..P/N 11-07859 ....$995.00

BECKER BXP6402-2-R TRANSPONDER

The BXP 6402-2R-(01) remote controlled Mode-S transponder forms, together with the corresponding control unit, the airborne component of the Air Traffic Control (ATC). It functions in accordance with the secondary radar principle and allows air traffic control to locate, identify and track aircraft.

BXP 6402-2 150W Remote ....P/N 11-07860 ......$2,853.00
BXP 6402-1 250W Remote ....P/N 11-07861 ......$3,474.00
BXP 6402 Remote Harness ....P/N 11-07195 ....$272.95

BECKER BXP6401-2-(01) MODE-S TRANSPONDER

Single block Mode-S transponder. It is certified according to ETSO-2C112a and is suited for VFR and IFR operations up to 15,000 feet. Equipped with extended squitter and SI code function and it provides an interface to the central aircraft data system. It allows ELS, supports EHS, as well as ADS-B via extended squitter. Designed for panel mounting and fits into a 2 ¼ inch cut out.
Becker 1K6401 Harness ....P/N 11-07192 ....$239.00

BECKER GK 615 PORTABLE VHF STATION

The carrying case contains the battery, speaker, antenna socket, the 5 way DIN socket for the micro- phone or microphone speaker and the voltage converter. A microphone, a headset or a helmet (ultra- light) can be connected to the 5-way DIN socket. The built-in battery is a maintenance-free recharge- able 12 V / 2 Ah dry lead acid battery. The transmitter power is approximately 5 to 7 W.
Charging voltage can be varied between 10 V and 32 V. Charging time approx. 8 hours. The nominal operating time for the portable VHF station is approximately 6 hours at a keying ratio of 1:10 normal ra- dio traffic) and transmitter output power of 5 W. Features: • Frequency Range: 118.000 MHz to 136.990 MHz • Channel Spacing: 8.33 or 25 kHz • Channel Selection: 8.33 or 25 kHz (selectable) • RF-Output Power: > 6 W (carrier power) • Receiver Sensitivity: > 12 dB sinad for 2 uV.

Model No.	Watts	Description	Part No.	Price
0940.472 923	5	Becker GK 615-5 Portable VHF Station	11-12319	$3,309.00
0940.432 923	10	Becker GK 615-10 Portable VHF Station	11-12320	$3,793.00

BECKER AR6203 VHF / AM TRANSCEIVER

The AR6203 VHF-AM transceiver is smaller and lighter than its forerunner due to implementation of state-of-art DSP (Digital Signal Processing) technology it is designed in a 160mm format and is equipped with a highly efficient AM transmitter, a very sensitive receiver and a full graphic LC-display that allows easy reading under all light conditions, including full sun light readibility. Push button and display illumination can be dimmed.

Description	Part No.	Price
AR6201-022: 8.33/25kHz Switchable, 6W	11-14411	$2,920.00
AR6203-122: 25kHz only, 6W	11-14413	$2,403.00
AR6203-012: 8.33/25kHz Switchable, 10W	11-14415	$3,436.00

FLEXALERT MULTIFUNCTION ANNUNCIATOR

The FlexAlert Multifunction Annunciator is an all-in-one multifunction display that places critical warning and condition annunciations directly in front of the pilot to increase safety and simplify panel layouts. The sunlight-readable & dimmable LED display includes Landing Gear Status for both land and seaplanes as well as warnings for Engine, Oil Pressure, Fuel Pressure, Low Fuel, Pitot Heat, Low Voltage, Over Voltage, Alternator Failure, Doors, Starter Engaged, Vacuum Failure and Autopilot Glideslope Capture. The FlexAlert Multifunction Annunciator can save you over $1,000 compared to individual or customized annunciators and the LED technology is significantly brighter and more reliable than incandescent lamps. ....P/N 13-20595 ....$674.00

AV

FLIGHT HUB GX WITH HARNESS

Flight Hub GX streamlines avionics by replacing unreliable splices with a simple plug-and-play box paired with a powerful diagnostic tool.

Flight Hub GX is revolutionizing avionics wiring by eliminating unreliable splices and disorganized cables. The Flight Hub GX is a passive plug-and-play device that contains a unique diagnostic tool. Instruments are connected to Flight Hub GX with manufacturer provided mil-spec wiring harnesses to provide robust connections and diagnostic capabilities. The integrated patent pending diagnostic tool allows a service technician to easily test signals and find problems to reduce down time and increase TIME TO FLY.

Flight Hub GX meets the installation requirements of Garmin, Bendix King, PS Engineering, and Avidyne.

Flight Hub GX patent pending.

Specifications:
• Weight: 2 lb.
• Length: 10.1 in.
• Width: 5.4 in.
• Height: 1.7 in. ....P/N 13-14950 ......**$4,750.00**

APPROACH SPORT HUB AVIONICS WIRING SYSTEMS

Simply install the appropriate Approach hub for your instrument panel (basic, VFR or IFR), select the appropriate Approach cables for your avionics, and plug it in and your done. Upgrading and replacing avionics only requires a new Approach cable and future maintainability is greatly enhanced eliminating most hand writing and troubleshooting. All cabling is Milspec Tefzel and complies with FAA AC43-13B.

STEP 1: Select the appropriate Approach Hub for your instrument panel configuration.

Basic instrument panel configuration - The Sport Lite Hub Systems is an all-inclusive hub and cable solution enabling you to install a GPS/Com and intercom in record time and designed for pilots that don't require a full panel, just a single radio and intercom. Perfect for kit planes, sport-life planes, & aerobatic aircraft. ....P/N 11-01457 ....**$199.95**
VFR instrument panel configurations - The Sport Hub and Cable System is compatible with most NAV/GPS/Com (single & dual), modern audio panels, intercoms, moving map displays, VOR indicators and any other RS-232 formatted device. ....P/N 11-01458 .... **$372.95**
IFR instrument panel configurations - The Pro Hub and Cable system is designed for a full Garmin, Apollo, or King/Bendix stack. The Pro Hub system is compatible with most NAV/GPS/Com (single & dual), modern audio panels, intercoms, moving map displays, VOR indicators, HSIs, RMIs, ADFs, annunciators, mode control and any other RS-232 formatted device.................................P/N 11-01459 .... **$545.00**
Pro G Hub for Garmin Stacks....................P/N 11-01893 .... **$489.95**
STEP 2: choose the Approach cables for your specific avionics.

SEE A COMPLETE LISTING OF APPROACH CABLES AT
www.aircraftspruce.com

AIRCRAFT CABIN SPEAKERS

Engineered for 10,000 hours of performance, (minimum), these flame retardant speakers sound clearer and last longer. The magnet assemblies are heavier than original equipment, yet the overall speaker depth is only 2". The voice coils are heat-proof to withstand high power levels and the gaskets are treated with a moisture barrier, for unprecedented reliability.

Part No.	Size in inches & Description	Mag. Wt. (oz.)	Imp. (ohms)	Prog. Power (Watts)	Depth	Price
11-04649	6 x 4 x 1.878 P.C. Oval	5.5	3.2	9	1.550	$41.50
11-04646	6 x 4 Round	5.5	3.2	10	2.018	$41.85

MICROAIR 760 COM REVISION P

Designed and manufactured in Australia, the Micro Air 760 VHF transceiver is ideal for aircraft requiring compact size and low power consumption. It has many of the features not found in radios costing much more and includes features not available in any other units. It's compatible with a variety of speaker & microphone combinations including all general aviation microphones. Standard model mounts in a standard 2-1/4" panel hole and weighs only 19.4 oz. It has been proven in high noise environments such as Rotax 2-stroke engines and is excellent for gliders, Ultralights, a general aviation aircraft. A unique LED multifunction annunciator located at the top right of the unit provides several alerts, and an external memory toggle switch allows remote control of the memory frequencies. Transmit output: 4W, Size: 2.56" x 2.44" x 7.779"d, 14V.

Standard 2-1/4" model.................................P/N 11-18700 ......**$1,225.00**
Spaker Box SP01 ....P/N 11-02865 ....**$39.95**

MICROAIR ANTENNA AIRKIT FOR M760

Microair Avionics recommends the Airkit GI ground plane independent, for use with the M760 radio, in situations where the aircraft structure does not offer a suitable ground plane. The Airkit is a completely ground independent antenna which is designed to be used in a wide variety of applications, such as kit-build and composite aircraft. This products is not approved as a primary com antenna. Termination is provided to the industry standard BNC female and supplied with 10m of RG58CU coax cable. The Airkit antenna is one of the easiest antenna to install and has a maximum bandwidth of over 3MHz under 1.6 to 1 SWR.

5M Cable ....P/N 10-06021 ....**$118.00**
10 Ft. Cable..P/N 10-06022 ....**$109.75**

MICROAIR T2000 TRANSPONDER

The Microair Avionics T2000SFL Transponder is a mode 3A/C aircraft transponder designed to operate in an ATCRBS environment. The T2000SFL has been designed to meet RTCA/DO-144 requirements, and has been tested to DO-160D for environmental and EMC requirements. The T2000SFL software has been developed and approved under RTCA/DO 178B requirements. The T2000SFL is a small lightweight transponder with low power requirements. The T2000SFL is compatible with any C88a compliant altitude encoder, and offers the following features: • Mode 3 A response (4096 codes) • Mode C altitude response • SPI indent response • Encoder Altitude displayed • Altitude Alert (HI / LO) • Voltage alter (OV / UV) • Security coding of serial number • Option to power encoder only in mode C operation.

T2000 Transponder.....................................P/N 11-00990 ......**$2,548.00**
EC2002 Altitude Encoder............................P/N 11-05105 ....**$365.00**

MICROAIR T2000UAV-L TRANSPONDERS

A special version of the T2000 Transponder, designed for operation in unmanned aircraft. This product is NOT TSO'd due to the OEM nature of the management software. It can help you to open ATC controlled airspace for your product, by making the UAV visible to ATC controllers. The UAV operator will be able to enter an ID code given by ATC, into the T2000UAV-L, to make the UAV uniquely identifiable. Transponder capability will make your UAV visible to TCAS operators, which affords great safety for commercial aircraft operators. The transponder will reply to all mode A and mode C interrogations, and will accept barometric altitude Gray scale (Gillham Code) data. It was designed for very low power consumption, which permits prolonged operation on battery. Can however still pulse out a 200W signal. Light at only 454g (16oz), and easy to istall. Available with either a standard BNC connector or standard TNC connector loaded on the rear face of the chassis.

T2000UAV-L TNC Connector.......................P/N 11-07934 ......**$3,517.00**
T2000UAV-L BNC Connector.......................P/N 11-07935 ......**$3,597.00**

AV

PS ENGINEERING AUDIO PANELS

PMA6000B AUDIO PANEL

PMA6000B Audio Panel w/4-place mono intercom available with or without marker beacon receiver. The PMA6000B holds both FAA TSO as well as EASA ETSO and was designed to be made easier to install because of a single 44-pin Sub-d connector. PS Engineering has revolutionized audio control in general aviation airplanes. At that time, the original PMA6000 took the audio panel from a collection of switches added as an afterthought, to a multi-talented inter-system focal point for cockpit audio.

Capabilities: • Built-in 4 place mono intercom PS Engineering's "Set-it and Forget-it" manual VOX • Optional built-in marker beacon receiver • Split mode for dual audio capability • 2 - Com Capability • 3 - Intercom isolation modes - Pilot Isolate, All, and Crew • 2 - Music inputs with Soft Mute™ • 2 - Unswitched inputs • 6 - Switched inputs • A patented "swap" function allows selection of Com 1 or Com 2 from remote push-button • Fail-safe feature automatically hard-wires the pilot to Com1 in the case of an outage • Uses a single 44-pin connector making installation easier.

Description	Part No.	Price
PMA6000B Audio Panel w/4-place mono intercom with marker beacon receiver	11-08074	$995.00
PMA6000B Audio Panel w/4-place mono intercom without marker beacon receiver	11-14363	$876.00
PMA 6000 Audio Panel 2 Place Wire Harness	11-13149	$349.95
PMA 6000 Audio Panel 4 Place Wire Harness	11-13150	$399.95

PMA450A AUDIO PANEL

The PMA450A raises the bar for audio control capabilities with a larger enhanced display and an easy to read white text on black Organic Light Emitting Display (OLED). Since it is bigger, the USB charging port has gotten smaller and more powerful. The USB-C standard connector is non-gendered there is no up or down - making it very easy to connect in the cockpit. The power available also increases from 10 to 15 Watts. Several configuration enhancements have been made. The Bluetooth® audio source is treated as a separate source, and the intercom capabilities have been added to make the already very capable audio panel even better. The PMA450A has an optional PS Streamer™ Bluetooth® module - for streaming selectable cockpit audio signals that can include just the radios or everything the pilot hears, to a device such as a compatible video camera capturing the whole flight experience in sight and sound.

Description	Part No.	Price
PMA 450A 6 Place Enhanced Audio Selector Panel	11-142495	$2,195.00
PMA 450A 6 Place Enhanced Audio Selector Panel with PS Streamer	11-16084	$2,295.00

PMA450B AUDIO PANEL

The PMA450B is the next step in connectivity, with more Bluetooth® capability than any other audio panel available today. When coupled with PS Engineering's innovative approach to audio control, this user friendly PMA450B gives more of what the pilot wants from their audio panel, the central nervous system of their avionics suite. This 3rd generation PMA450 has two completely independent Bluetooth® modules, giving unprecedented connectivity capabilities. The PMA450B has the ability to work like no other panel available. Stream to a digital video camera, hear Foreflight® alerts, make a phone call to ATC for your IFR clearance, you might even listen to your favorite tunes once in a while. PMA450B also adds flightmate®. This integrated audio alert system gives the pilot the ability to hear alerts related to aircraft conditions.

Description	Part No.	Price
PMA 450B	11-16294	$2,295.00
PMA 450B Without BT2	11-16295	$2,195.00
PMA 450B Without Marker Beacon	11-16296	$2,195.00
PMA 450B Without BT2 or Market Beacon	11-16297	$2,095.00

PMA 7000B/7000H/7000M AUDIO PANEL

Note: Plug & Play slide-in replacement for the PMA7000M-S, the PMA 6000M-S, and the KMA28. Pin-compatible with the KMA 24. Nice for upgrading an existing Bendix/King KMA 24 audio panel. KMA 24 pin compatible. None of the existing wires going to the KMA 24 have to be disturb. Renown 6-place IntelliVox® automatic Voice Operated Relay (VOX) intercom system. Provides 3-com capability with the option to easily convert Com 3 to a full duplex cellular telephone interface. Also has the pioneered "Split Mode". Allows the pilot to be on Com 1 while the copilot is on Com 2. Also expandable to accommodate up to 12 places (10 passengers) with the addition of the 11606 IntelliPax. Has four un-switched and un-muted inputs. • Height: 1.3 inches • Width: 6.25 inches • Depth: 6.8 inches • Weight: 1.5 inches • Power Requirements: 12 to 24 VDC • Warranty: 2 Years • Unit is TSO'D.

PMA 7000B Audio Panel.............................P/N 11-01635 ......**$1,395.00**
PMA 7000 Bluetooth/Marker Beacon..........P/N 11-13663 ......**$1,395.00**
6 Place expansion for 7000.........................P/N 11-02544 ....**$399.95**
PMA 7000H Audio Panel ....P/N 11-07001 ......**$2,099.00**
PMA 7000M Mono Intellivox Marker ....P/N 11-13425 ......**$1,295.00**
PMA 7000H-CVR ....P/N 11-14369 ......**$2,099.00**
PMA 7000B-OPT2 w/o Marker Beacon ......P/N 11-14366 ......**$1,295.00**
Install Kit For PMA 7000M
(Must be purchased with 11-13425)............P/N 11-13426 ....**$343.00**
PMA 7000HBT Heli. Bluetooth.....................P/N 11-13713 ......**$2,395.00**

PAC 24 AUDIO PANEL/INTERCOM

Designed as an upgrade/replacement for the popular KMA24 –71. Many of the enhancements include; a powerful headset audio amplifier, and high-performance IntelliVox® intercom, dual audio capability in a single box, full duplex mode for wireless operations, and expansion capability with stereo IFE input. Can accommodate 5 transceivers. A monaural system, the PAC24 can include a music input. SoftMute™ silences music during radio traffic, but allows music other times. Incorporates a split mode that will allow a single audio panel to separate two pilots on different transceivers. When combined with IntelliPax® expansion system, the dual PAC24 can be a 14-place system. The audio amplifier is capable of providing 120 milliwatts (mW) into general aviation headphones.

Horizontal Mounting. ....P/N 11-01293 ......**$1,995.00**
Vertical Mounting...P/N 11-05507 ......**$2,195.00**

PS ENGINEERING ACCESSORIES
PS Engineering cellphone cable ....P/N 11-04376 ....**$28.95**
PS Engineering music cable ....P/N 11-04377 ....**$28.95**
Digital Recorder Aural Warning System w/ 4 unswitched inputs
                                                      P/N 11-05158 ....**$699.00**
FM Radio Adapter (allows interfacing of non-standard aviation radios)
                                                      P/N 11-05159 ....**$379.00**
4 Channel Summing Amplifier.....................P/N 11-05160 ....**$195.00**

PS ENGINEERING PDA360EX AUDIO PANEL

PS Engineering has taken some of the technology from DSP based PMA450 and built a package that better suites the Homebuilder's needs for avionics. The user interface eliminates the need to open up the Pilot's Guide. Bluetooth®, soft-key buttons and a graphics display. IntelliAudio® True Dimensional Sound. 4 - Place hi-fi stereo IntelliVox® Intercom with Soft Mute™. Bluetooth® enabled. 3 - music mute modes. Cellular telephone input with "DuTel™". Digital aircraft radio recorder (IRS™). USB Charging port. Split mode for dual audio panel capability. Selectable music distribution for pilot, copilot and passengers. Selectable intercom mode with special "Alternate Intercom Mode".
2-year Pro-Support Warranty. ....P/N 11-13798 ......**$1,345.00**

PS ENGINEERING PAR200A AUDIO PANEL WITH REMOTE VHF RECEIVER

FAA TSO'd for Certified Aircraft • 4-place stereo IntelliVox® intercom, a 10 Watt Speaker Amplifier, and accesses a 2280 channel VHF aviation radio. (Selectable 8.33KHZ) • Bluetooth capable. Pairing of phones or Bluetooth® enable audio devices is easily achieved for wireless entertainment. • Features automatic radio squelch which assures that the radio trip level is always optimally set. • Two different inputs and two types music distribution. The standard configuration allows music 1 (or Bluetooth® to go to the crew while the passengers hear music 2. The other selection allows music 1 (or Bluetooth) to go to all headsets. • Monitor Mode allows the pilot to hear the Active and Standby frequencies at the same time. • Up to 5 discrete radio frequencies can be stored in non-volatile memory for quick dial up. • Features fully independent power supplies so you can power up the radio or audio panel individually. • The PAR200A uses the same tray and connector as the GMA240, GMA340, PMA8000 series. However, there is additional wiring that is required to interface the Com Radio to the audio panel. ....P/N 11-13036 ......**$2,595.00**

AV

PMA 8000B AUDIO PANEL

Front-mounted, 2.5mm multipurpose jack give pilots unprecedented access to their audio panel, allowing connections to cell phones, portable music devices, or audio announcements directly into the audio panel. 6 user configurations that are front panel selectable. Original Karaoke Mode™ can be activated by pressing the front panel "Mute" button, allowing the music to be placed in the background while interruptions to the music will be eliminated. Pilot can receive and transmit on the selected VHF COM with ATC as well, for seamless integration in the cockpit. (Cellular telephone use in flight is not permitted, but remains a convenient and safe way to contact air-traffic control or a weather briefer while on the ground.) Six different configurations can be selected from the front panel. Internal Recording System (IRS) is now standard equipment. Backward compatible with the PMA 8000. Note: Use of the front panel jack is restricted to advisory information only, from portable systems. Signals required for certified equipment must be interface in accordance with their specific installation manuals.Specifications: Height: 1.3 inches, Weight: 6.25 inches, Depth: 7.15 inches, Weight: 1.34 pounds, Power Required: 12 to 24 VDC, Warranty: 3 Years, Unit is TSO'D.

PMA 8000BT Hor. Mount/Bluetooth............P/N 11-08537 ......**$1,495.00**
PMA 8000 Hor. Mount/NVG........................P/N 11-13660 ......**$2,095.00**
PMA 8000Vertical Mount/Bluetooth ....P/N 11-13659 ......**$1,895.00**
Music Cable..P/N 11-04377 ....**$28.95**
Cell Phone Cable 2.5 mm to 2.5 mm..........P/N 11-04376 ....**$28.95**
3.5 mm 4 conductor to 2.5 mm (Phone only, no music)
P/N 11-13661 ....**$39.95**

PS ENGINEERING PMA8000C AUDIO PANEL

The front-mounted, 2.5mm multipurpose jack give pilots unprecedented access to their audio panel. Connect any Bluetooth® enabled phone into the audio panel for unprecedented amount of flexibility, both for phone calls as well as music streaming. It may also be possible to connect two different Bluetooth® devices at the same time. Three different configurations can be selected from the front panel, such as how the music is distributed, the way the intercom functions, and selecting the new Monitor Function. Monitor mode allows the pilot to designate one com radio as primary, while having the second com as the secondary audio source. When there is radio activity on the primary radio, the secondary com radio will temporarily mute. The Monitor mode will change your IFR approach environment, eliminating having to try to decipher two simultaneous radio receptions.

P/N 11-10773 ......**$1,895.00**

> **PS Engineering audio panels and intercoms can be sold over the counter but must have a PS Engineering dealer make the harness or the warranty on the unit is void. Harnesses can be ordered from PS Engineering direct or when ordering from Aircraft Spruce.**

MB 10 MARKER BEACON RECEIVER

MB 10-is a 3-light 75 MHz Marker Beacon receiver and indicator. This provides the necessary Marker Beacon lights and audio indications necessary for an Instrument Landing System (ILS) approach. A switch labeled Hi/Lo/TST allows the pilot select high or low sensitivity as well as test and mute modes. • Height: .95 inches • Width: 2.80 inches • Depth: 4.85 inches • Warranty: 1 year • Unit is TSO'D
Standard...P/N 11-05621 ......**$1,095.00**
Remote Mount ....P/N 11-10014 ......**$1,095.00**

PS ENGINEERING PMA8000E DUAL AUDIO PANELS

The unit is designed for outstanding ergonomics with visually defined mode annunciation and selections.

The PMA8000E is specifically designed to be used in a dual audio panel environment; where the pilot and copilot positions have independent control over the radio audio control. A pair of PMA8000E units share information between the units to make the operation logical and utilitarian, and avoid operations that are inconsistent with radio and cockpit communications practices.

With digital interface control, the pilot is always in control while allowing the copilot to off load radio communications as well allow access to the passengers without interrupting the pilot.

If the aircraft owner chooses, Bluetooth® can be enabled, allowing unprecedented capabilities for the crew or passengers to distribute phone calls or music. With two independent Bluetooth® interfaces, any one of a number of configurations will allow distribution of telephone and music.

And like all of our PMA8000 series, there are front panel configuration that allows both the pilot and copilot to configure the intercom to best suit the needs of the cockpit crew and passengers.

Description	Part No.	Price
PMA 8000E-OPT2 Dual Audio Panel 14/28 VDC No Marker	11-14373	$7,695.00
PMA 8000E-OPT2 Dual Audio Panel with Cover 5 No Marker	11-14375	$7,695.00
PMA 8000E Dual Audio Panel with Cover 14/28 VDC with Marker	11-14376	$7,995.00
PMA 8000E Dual Audio Panel with Cover 5 With Marker	11-14377	$7,995.00
PMA 8000E-OPT2 Dual Audio Panel 14/28 VDC No Marker Gray	11-14380	$7,795.00
PMA 8000E-OPT2 Dual Audio Panel Vb No Marker Gray	11-14381	$7,795.00
PMA 8000E Dual Audio Panel with Cover Vb Gray	11-14382	$8,095.00

PS ENGINEERING PMA 8000G FLIGHTMATE® AUDIO PANEL

Flightmate® is one of several noticeable enhancements to the latest in a series of upgrades to the PMA8000 series audio panel. This upgrade makes the operation of the PMA8000G much easier and more intuitive.

Flightmate® has 2 ½ minutes of recording time to store flight briefs, checklists or information that the pilot would like to have easily at their disposal. These recordings are played back at the push of a button labeled "PLAY." It is just that easy. Because the pilot stores the information, it is completely airplane or mission specific.

Additionally, it allows the pilot to record alert messages that can be triggered by some event or switch in the aircraft, like a stall warning or autopilot disconnect. Four logic inputs trigger specific messages prerecorded by the pilot.

The PMA8000G can be equipped with the optional PS Streamer Bluetooth® module to stream cockpit audio to a device such as a compatible GoPro® video camera and other devices that can record streaming audio. The pilot can select all audio or just the Coms.
PMA8000G Advanced 6 Place Audio Panel with PS Streamer
P/N 11-14513 .....**$1,895.00**

INTELLIPAX INTERCOM EXPANSION UNIT FOR PMA8000D

The IntelliPAX is an intercom expansion unit with intercom volume control for the passengers. This unit is designed to work in combination with the PMA8000D Audio Panel. It contains PS Engineering's proprietary intercom protocol, IntelliVox®. This system uses digital processing on each of the six individual microphones to eliminate manual squelch adjustments. This unit is for expanding the PMA8000D system to 6 or 12 places. Only available as a remote unit.
P/N 11-14372 ....**$399.95**

AV

ACH1000 ADVANCED CONTROL HEAD TRANSCEIVER

Blue Sky Network's Advanced Control Head (ACH1000) aviation transceiver is the perfect tool for pilots, operators, and fleet managers around the globe. Working in conjunction with our D1000-series Iridium transceivers, it is the ideal upgrade to add voice and messaging capability to and from the cockpit. The ACH1000 control head integrates with the on-board intercom system, allowing the pilot or co-pilot to easily dial or receive calls directly through the headset. Users can pre-program up to 10 speed-dial numbers, delay, route diversion and weather requests. The crew can also easily receive and read email messages from the iridium transceiver display. Moreover, with the simple push of a Quick Position (QPOS) button located on the ACH1000 display, a message is quickly sent to the SkyRouter portal, key email addresses, and mobile phones. ....P/N 11-15233 ......**$2,893.00**

HAWKEYE PT PORTABLE TRACKER

The HawkEye Portable Tracker (HEPT) is a GPS personal tracking device that makes ensuring the safety and keeping track of workers in remote locations easy. HawkEye Portable Trackers are rugged, handheld Iridium-based personal satellite tracking devices, tapping the complete network of Iridium low-earth-orbit satellites. No matter where personnel may be—walking oil lines in Alaska, doing geologic surveys in the desert, etc.—you can locate them and ensure their safety. It's an essential tool for every lone worker in your enterprise. The HawkEye PT transmits all data to SkyRouter, Blue Sky Network's interactive web portal that enables immediate access to tracking data on—and communication with—every person and asset around the globe.

P/N 11-15238 ......**$1,275.00**

HAWKEYE PT PLUS PORTABLE TRACKER

Blue Sky Network's HawkEye Portable Tracker Plus (HEPT+) provides dual-mode connectivity and harnesses the power of the Iridium Satellite network and GSM tracking to ensure the safety and constant communication of fleets dispersed in remote locations while providing cost-efficient data service. When used in combination with the New SkyRouter, the HawkEye PT Plus offers portable tracking and fleet management of any aviation, land and marine asset – in real-time from anywhere in the world with pole-to-pole coverage. The HawkEye PT Plus (HEPT+) utilizes GPS tracking to locate the exact position of fleets and two-way SMS and free form messaging to allow users to remain in constant contact with command centers. Device control is now made easy with the integration of a new touchscreen interface.

P/N 11-15237 ......**$1,650.00**

HAWKEYE 7200 GPS TRACKING DEVICE

The portable HawkEye 7200 (HE7200) is packed with advanced features that make it the perfect Iridium SATCOM solution for on-the-go global asset tracking and communication even from your iPhone or iPad with built-in Bluetooth. Fly with it, take it with you in your vehicle, or jump on-board your ship; the HE7200 is the perfect portable companion for pinpoint tracking, reliable communication and maximum personal security. A true multi-national GNSS receiver plus Iridium give the HawkEye 7200 (HE7200) a definitive edge in TTFF (time to first fix) and global positioning accuracy. A built-in GNSS chip tracks GPS / GLONASS / GNSS satellites and multiple SBAS systems simultaneously to generate the fastest, most accurate position reports in the industry.

P/N 11-15236 ......**$1,445.00**

HAWKEYE 7200A SATCOMM TRACKER

Blue Sky Network's HE7200A and SkyRouter, the industry leading cloud-based web portal, meets or exceeds the International Civil Aviation Organization (ICAO) Global Aeronautical Distress Safety System (GADSS) required performance criteria for Transport Aircraft. Blue Sky Network can provide Operators with a "best-of-breed" complete ICAO GADSS solution to meet the expected requirements. This flexible platform will allow remote seamless upgrades to onboard hardware as the evolution of performance based criteria changes. The uniquely small form factor was designed to allow the unit to replace the required #2 ELT (a pending ICAO proposal), while still taking advantage of the three installed wires to the cockpit.

Specifications:
• Operating Temperature: -30 ºC to + 70 ºC
• Operating Humidity: ≤ 75 % Relative Humidity
• Storage Temperature: -40 ºC to + 85 ºC
• Storage Humidity: ≤ 93 % Relative Humidity
• Certifications: RTCA/DO-160G, Section 4,6,8,10, 16, 17, 21
• FAA-certified with AML STC
• Iridium-certified
• Input Voltage Range: 10 - 32 VDC
• Input Power (max): 15W
• Dimensions: 5.5" x 5.61" x 1.6"
• Weight: ~ 1 lb
• Iridium Connector Type: TNC (f)
• Iridium Antenna Frequency: 1616 MHz to 1626.5 MHz
• Iridium Antenna Type: Passive
• GNSS Connector Type: SMA (f)
• GNSS Antenna Frequency: 1560 to 1606 MHz
• GNSS Antenna Type: Active
• GNSS Channels: GPS L1 C/A GLONASS L1

P/N 11-15234 ......**$5,795.00**

HAWKEYE 100A DIALER AND BT INTERFACE FOR HE 7200

The Hawkeye 100A is a companion dialer and Bluetooth Interface for the HE7200A SATCOM Device. The Hawkeye 100A adds voice capability, and connection to Blue Sky Network Bluetooth-enabled iOS Apps for messaging and forms.

P/N 11-15235 ....**$2,725.00**

D1000A IRIDIUM SATCOM TRACKING KIT

Blue Sky Network's D1000A Iridium satcom tracking kit provides efficient, safe, secure, and global coverage for aviation assets. The FAA and Iridium certified D1000A enables optimized fleet utilization through extensive reporting capabilities and backend analysis tools. When paired with the ACH1000, the D1000A offers the ability to make voice calls and have two-way messaging. Fleet managers can login to SkyRouter, cloud-based tracking web portal, to maintain, view and communicate with multiple assets simultaneously on a single map from a centralized command center. SkyRouter also enables over-the-air device parameter configuration, such as the reporting interval, allows for two-way messaging and e-mail, and can eliminate routing mistakes by supporting flight information. Reports such as GPS position, take-off/landing, altitude, and on/off gate make it easy for fleet managers to effectively control their aircraft. The crew can push a Quick Position (QPOS) button on the control head, which immediately sends an alert to SkyRouter notifying fleet managers that an emergency has occurred.

P/N 11-15230 ......**$9,495.00**

RADIORAX THE REVOLUTIONARY AVIONICS RACK SYSTEM

Radiorax provides flexibility and ease of installation for panel mount avionics. The radiorax system consists of anodized slotted rails, stainless nuts, structural strength tray screws that are four times stronger than conventional screws used in aviation, and a stainless capture system that holds each nut where it is needed during assembly. The installer is able to position the nuts in the slot exactly where they are required to install each tray. Once installed, the trays can be easily moved until the screws are fully tightened. Additional nuts can be stored in the slots for future avionics additions. RadioRax provides great strength, ease-of-alignment, easy change and modification, ehanced quality, owner satisfaction, and is very cost effective.

Description	Part No.	Price
Radiorax Kit 1010-8 for Exp. A/C	11-01376	$195.00
RK1000 Single Stack STC Kit-Standard Rail	11-01855	$375.25
RK1010 Single Stack Kit-STC for Exp. A/C	11-01856	$375.25
RK1020 Single Stack STC Kit-STC Exp. A/C	11-01858	$375.25
RK1030 Single Stack STC Kit Cirrus/Lancair	11-01860	$375.25
RK2000 Dual Stack STC Kit	11-01862	$467.40
RK3000 Triple Stack STC Kit	11-01864	$565.25
Single Rail - Special Order	11-01866	$280.25
RK1005 Cessna Kit	11-02308	$467.40
RK1040 Single Stack	11-02309	$565.25
RK2010 Kit -18" dual stack,flange,FAA-PMA,STC'd	11-02608	$467.40
RK2015 Kit - 18" dual stack, flanged outer, FAA-PMA,STC'd	11-02609	$467.40
RK2020 Kit -18" dual stack, reduced outer, FAA-PMA,STC'd	11-02610	$467.40
RK2025 Kit -18" dual stack, reduced outer, FAA-PMA,STC'd	11-02611	$467.40
RK3010 Kit - 18.0" triple stack, flanged outer + Full Dim. Center Rail Tray Mount Kit - FAA-PMA, STC'd	11-02612	$565.25
RK3015 Kit - 18.0" triple stack, flanged outer+reduced dim. Center Rail Tray Mount Kit - FAA-PMA, STC'd	11-02613	$565.25
RK3020 Kit - 18.0" triple stack, flanged outer + Full Dim. Center Rail Tray Mount Kit - FAA-PMA, STC'd	11-02614	$565.25
RK3025 Kit -18.0" triple stack, reduced outer+reduced dim. Center Rail Tray Mount Kit - FAA-PMA, STC'd	11-02615	$565.25
RK4000-12 Kit - Standard Closeout Panel - Chem Film - 12" Kit - FAA-PMA, STC'd	11-02616	$166.25
RK4000 - 12A Kit - Standard Closeout Panel - Black Anodized - 12" Kit - FAA-PMA, STC'd	11-02617	$185.25

RAM® EZ ROLLER CRADLE FOR THE IPAD PRO 12.9

The RAM® Mounts EZ-Roll'r™ cradle for the iPad Pro secures your device in a form-fit holder that keeps the entire screen visible. Designed for tablets that are not in a case, it features a holder for the Apple Pencil as well. Simply slide the tablet into the bottom cups and then roll the top clip over the top of the device to anchor it into the cradle. Side buttons, charging port and camera lens are conveniently exposed and accessible while in the cradle. Connect the cradle to any RAM components or mounts that contain the universal AMPs hole pattern...P/N 11-14777 ....**$23.99**

RAM UNIVERSAL X GRIP CRADLE FOR 12 INCH TABLETS

The RAM-HOL-UN11U is just what you've been looking for to hold your favorite tablet. Consists of a composite spring loaded cradle, expandable grip arms and additional bottom support keeper. Simple to open and close, it leaves the outside edge of your tablet almost completely free of annoying obstructions. Soft rubber fingers apply just enough force to keep your tablet in safe and secure. Compatible with a wide range of mounting solutions, your tablet is sure to find a home no matter where your travels take you.
P/N 11-14778 ....**$66.95**

VAL AVIONICS VOLTAGE STEP DOWN CONVERTOR

This unit is a step down voltage converter that drops 28 volts DC down to 13.8 volts DC. This unit would be required to operate either our COM 760 TSO or INS 422 TSO units in an aircraft or vehicle that are 28 volts DC. Specifications: • Physical Dimensions: L 4.0 " (10.16 cm) x W 4.625" (11.75cm) x H 1.250 (3.18cm)• Weight: 0.75 lbs• Power Requirements: Current 2.0A Continuous with 5.0A Intermittent
P/N 11-02963 ....**$165.00**

VAL AVIONICS NAV INS 429 WITH VOR/LOC/GS/MB

The INS 429 is a high quality, multi-function, fully integrated navigational instrument displaying VOR, LOC, Glide Scope, Marker Beacon, and GPS/NAV inputs. Not only does it sport its own internal receivers, it will also display course deviation information from an external NAV or GPS source. A perfect solution for a crowded panel. **Not TSO'D (for experimental aircraft only).**
P/N 11-05592 .....**$1,995.00**

VAL AVIONICS COM 2KR REMOTE VHF TRANSCEIVER

The innovative COM 2KR from VAL Avionics is the first radio to offer complete user interface through the electronic flight instrument system (EFIS) display. This provides full control of transmit and receive frequencies as well as volume and squelch from the EFIS, allowing the COM radio to be removed from the instrument panel.

The COM 2KR is the next step in general aviation communications. As with all Val Avionics products, the COM 2KR is crafted from a solid brick of aluminum for maximum durability and performance for years to come. Supporting both 14- and 28- volt systems, the COM 2KR is outfitted for flexible installation in nearly all light-sport, experimental and type-certificated aircraft. 8 watt transmitter. Size: 8.75"L x 5.9"W x .86"H.
P/N 11-11457 ....**$949.00**

VAL AVIONICS NAV 2000 VHF RECEIVER

Turning back to a more traditional design ,the COM 2000 features dual concentric knob controls, displayed active and standby frequency with push button flipflop, 15 memory locations with user defined alphanumeric channel identifiers and a manual squelch control. It's 3/8" character display is easy to read from any angle and in any lighting condition. This mighty little radio's all metal construction is designed to serve all your communication needs well into the future. • Large 3/8" display character • 8 watt transmitter • 1 inch high and 9 inches long • Dual concentric knob controls • 15 memory locations with user-defined alphanumeric channel identifiers • Non-volatile memory • Manual squelch control • All machined aluminum construction • RS232 interface • Photocell dimming.
P/N 11-10569 ......**$1,295.00**

VAL AVIONICS COM 2000 VHF TRANSCEIVER

COM 2000 continues the tradition of hard working, affordable avionics by Val Avionics. The smallest panel mounted COM radio available today. Features dual concentric knob controls, displayed active and standby frequency with push button flip-flop and a manual squelch control. It's 3/8" character display is easy to read from any angle and in any lighting condition. All metal construction. ....P/N 11-06411 ......**$1,126.00**

AV

RAM MOUNTING SYSTEMS
PATENTED & PATENT PENDING

RAM Mounts are the revolutionary patented ball and socket mounting system that allow you to mount just about anything anywhere in your cockpit. Providing special attachments for yokes, glare shields and more, now you can mount your accessories where you want them. RAM Mounts are up to speed with the latest aviation technology products. Whether you use an iPad, PND, or PC, RAM has you covered. Ordering a custom RAM Mount is easy!

696 on Yoke   **iPad on Yoke**   **X-Grip with Lil Buddy**

Note: The "U" at the end of each model number means that the unit comes unpackaged.

BUILD YOUR RAM MOUNT SYSTEM ONLINE
Use our simple three-step process below to create your own custom RAM Mounting system. First, select which device you want mounted. Then, the required adapter will be automatically added. Then, choose the required arm for you mount. Next, choose how you would like the system to be mounted to your aircraft. Finally, add all the items to your cart and checkout. You can also add any combination to your cart: half-systems, full-systems, or individual parts. Simply piece them together when you receive your order and you're ready to go!
See www.aircraftspruce.com

BUILDING YOUR RAM MOUNT
Building and ordering your RAM Mount is easy. All you need to know is what you need to mount and where you would like to mount it - we take care of the rest. Building a RAM Mount solution usually consists of four parts: base, arm, adapter, and cradle/holder. Use the example image to the right for reference.

1.
2.
3.
4.
=

RAM-B-224-1U Suction Cup
RAM-B-108B-STRAP40U V-Base
RAP-B-121BU Yoke Clamp
RAM-B-202U Flat Surface Base
RAM-B-231ZU U-Bolt Rail Base

STEP 1: BASES

Model No.	Description	Part No.	Prices
RAM-B-224-1U	RAM 3.3" Dia Suction Cup w/Ball	11-06449	$16.99
RAP-B-121BU	RAM Universal Yoke Clamp w/Ball	11-05866	$19.49
RAM-B-202U	RAM Round Base w/Ball	11-07069	$7.85
RAM-B-231ZU	RAM Rail Base w/ball & Zinc U-bolt, 3/4" - 1-1/4" dia. rails.	11-03460	$14.49
RAM-B-108B-STRAP40U	RAM V-Base Rail Yoke Clamp for Breechcraft and Bonanza	11-09763	$17.00
RAM-B-259U	RAM 1" Ball Glareshield Base	11-09852	$20.49

STEP 2: ARMS

RAM-B-201U-A 2-7/16" LONG
RAM-B-201U 3-11/16" LONG
RAM-B-201U-C 6" LONG

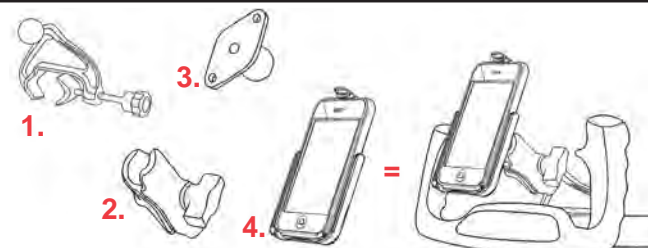| Model No.	Description	Part No.	Prices
RAM-B-201U-A	RAM Double Socket Short Arm for 1" ball bases	11-03458	$12.49
RAM-B-201U	RAM Double Socket Med. Arm for 1" ball bases	11-01255	$12.99
RAM-B-201U-C	RAM Double Socket Long Arm for 1" ball bases	11-09323	$18.49
RAM-201-D	RAM Double Socket Long Arm for 1.5" ball bases	11-05490	$40.99

STEP 3: ADAPTER

RAM-B-202U ROUND ADAPTER
RAM-B-238U DIAMOND ADAPTER

Model No.	Description	Part No.	Prices
RAM-B-202U	RAM Round Base w/Ball	11-07069	$7.85
RAM-B-238U	RAM Diamond Adapter w/Ball	11-00471	$6.99
RAM-B-125BU	RAM Curved Yoke Plate	11-14368	$11.99

IS YOUR BACKUP READY?

iPhone with Lil Buddy
696 with Glareshield Base
Multi-Pad on Yoke

STEP 4: CRADLE/HOLDER

Model No.	Description	Adapter	Part No.	Prices
RAM-HOL-AP9U	RAM Holder for Apple iPhone 4G	Diamond	11-09454	$8.49
RAM-HOL-AP10U	RAM Holder for Apple i-Pod Touch 4th Gen	Diamond	11-09764	$12.99
RAM-HOL-AP8U	RAM Holder Apple iPad & IPad 2	Round	11-08577	$17.49
RAM-HOL-AP8LU	RAM Locking Holder Apple iPad & iPad 2 - cradle with dial combination lock	Round	11-08578	$55.49
RAM-HOL-AP7U	RAM Holder Apple iPod Touch 2nd & 3rd Generation	Diamond	11-08583	$9.49
RAM-HOL-AP6U	RAM Holder Apple iPhone 3G/s	Diamond	11-08582	$11.50
RAM-HOL-AP4U	RAM Holder for Apple i-Pod Touch 1st Gen	Diamond	11-06432	$9.49
RAM-HOL-AP5U	RAM Holder for Apple i-Pod Nano Touch & Nano 3rd Gen.	Diamond	11-06433	$10.99
RAM-HOL-AP3U	RAM Holder for Apple iPhone 1st Gen.	Diamond	11-06431	$8.49
RAM-HOL-AP2U	RAM Holder for Apple i-Pod Nano 1st & 2nd Gen.	Diamond	11-06430	$9.99
RAM-HOL-TAB2U	RAM Universal Tablet Holder, Picture on next page	Diamond	11-09766	$23.50
RAM-HOL-TAB3U	Ram TAB-TITE™ Holder for Apple iPad 1-4 with or without case	Diamond	11-09767	$24.50
RAM-HOL-TAB4U	RAM Universal Tablet Holder, Picture on next page	Diamond	11-09768	$22.99
RAM-HOL-TAB5U	RAM Universal Tablet Holder, Picture on next page	Diamond	11-09887	$22.49
RAM-HOL-GA38U	RAM Holder Garmin GPSMAP 695/696	Round	11-08576	$23.99
RAM-HOL-GA25U	RAM Holder Garmin Nuvi 200W & 250W, 2xxW & 2xxWT	Diamond	11-06471	$9.25
RAM-HOL-GA31U	RAM Holder Garmin Oregon	Diamond	11-08585	$9.99
RAM-HOL-GA5U	RAM Holder Garmin E-Trex	Diamond	11-01923	$14.49
RAM-HOL-GA7U	RAM Holder Garmin GPSMAP 176, 196, 276, 376, & 496.	Diamond	11-01925	$9.50
RAM-HOL-GA14U	RAM Holder Garmin 76C Series	Diamond	11-06477	$11.99
RAM-HOL-GA30U	RAM Holder Garmin Nuvi 880 850 860	Diamond	11-06475	$16.95
RAM-HOL-GA39U	RAM Holder Garmin Nuvi 3750, 3760T & 3790T	Diamond	11-09769	$12.99
RAM-HOL-GA41U	RAM Holder Garmin GPSMAP 62, 62S, &62ST	Diamond	11-09770	$9.99
RAM-HOL-SPO1U	RAM Holder Spot Satellite Unit	Diamond	11-07508	$11.49
RAM-HOL-SPO2U	RAM Holder Spot 2 Satellite Unit	Diamond	11-08581	$13.99
RAM-HOL-BC1U	RAM Holder for Electronics with Belt Clip	Diamond	11-01917	$13.99
RAM-HOL-PD3U	RAM Universal PDA Holder	Diamond	11-05488	$17.99
RAM-HOL-UN4U	RAM Universal Plastic Radio/GPS Holder	Diamond	11-06450	$26.99
RAM-HOL-MP1U	RAM Holder Multi-Pad™ (Note Pad holder)	Diamond	11-08579	$36.99
RAM-HOL-UN5U	RAM Spring Loaded Cradle For Iphone And Ipod Touch	Diamond	11-10087	$12.49
RAM-HOL-AP11U	RAM Cradle Apple iPhone 5	Diamond	11-11588	$8.99
RAP-B-202U-GOP1	RAM Holder with custom GoPro Hero Adapter	---	11-12021	$11.70
RAM-HOL-AP17U	RAM EZ-Roll'r Mount for iPad Air	Round	11-12358	$18.99
RAM-HOL-TAB12U	RAM iPad Mini Universal Tablet Holder with case	Diamond	11-12269	$23.50
RAM-HOL-ROTO1U	RAM Roto View adapter plate for tablets. Holder, Roto Plate, and adapter are needed.	Diamond	11-12452	$18.49

VISIT AIRCRAFTSPRUCE.COM FOR MANY MORE RAM MOUNTS!

AV

DEVICE CRADLES / HOLDERS

RAM-HOL-TAB-LGU
Ram Tab-Tite™ Universal Clamping Cradle for 10" screen tablets.
P/N 11-09767

RAM-HOL-TAB-5MU
Universal Small Tab-Tite™ Holder for 7" Screen Tablets.
P/N 11-09887

RAM-HOL-AP17U
RAM EZ-ROLL'R™ Model Specific cradle for the Apple iPad Air without case, skin or sleeve.
P/N 11-12358

RAM-HOL-UN9U
RAM x-Grip® III Universal Clamping Cradle for large tablets.
P/N 11-11239

RAM-HOL-UN8BU
RAM Universal X-Grip® II Tablet Holder with 1" Ball for small Tablets.
P/N 11-11248

RAM-HOL-UN10BU
RAM Universal X-Grip® IV Large Phone Holder with 1" ball.
P/N 11-12987

RAM BALL MOUNT AND RECTANGLE BASE - A double socket arm, 2.5" diameter round base, and 6.25" x 2" rectangle base. Rectangle base contains pre-drilled holes which will match up to many electronic devices and mounts, including Marine GPS, CB Radios, Ham Radios, Gimbal Brackets and more…P/N 11-05066 ....**$32.99**

RAM MOUNT SUCTION CUP WITH 6 INCH FLEX ARM - 3.25" suction cup locking base, 6" flex arm and diamond base end. The suction cup base is designed to have a strong hold on glass and non-porous plastic surfaces, including RAM adhesive disks.
P/N 11-03443 ....**$19.49**

RAM BASE BALL & STRAP - 1" diameter rubber ball connected at a right angle to a v-shaped base, double socket arm and 2.5" base that contains the universal AMPs hole pattern. The base will accommodate rails from 1.0" to a maximum of 2.1" in diameter. .P/N 11-05073 ....**$37.25**

RAM SYSTEM IPAD MINI TO SUCTION MOUNT KIT
Kit contains: RAM Holder for Apple iPad Mini without Case (PN 11-11250), RAM Adapter Round Base with Ball (PN 11-07069), RAM Double Socket Arm for 1" Ball Bases (PN 11-01255), and RAM 3-1/4" Diameter Suction Cup Base with Twist Lock (PN 11-06449) ....P/N 11-11519 ....**$51.25**

RAM SYSTEM IPAD MINI TO YOKE MOUNT KIT
Kit Contains: RAM Holder for Apple iPad Mini without Case (PN 11-11250), RAM Adapter Round Base with Ball (PN 11-07069), RAM Double Socket Arm for 1" Ball Bases (PN 11-01255), and RAM Yoke Base with 1" Rubber Ball (PN 11-00484). ...P/N 11-11520 ....**$62.75**

RAM CRADLE FOR IPHONE 6 WITHOUT CASE
The RAM-HOL-AP18U consists of a high strength composite cradle and hole pattern that will allow the attachment to all RAM components or mounts that contain the universal AMPs hole pattern.........P/N 11-13321 ....**$9.49**

RAM CRADLE FOR IPHONE 6 PLUS WITHOUT CASE
The RAM-HOL-AP19U consists of a high strength composite cradle and hole pattern that will allow the attachment to all RAM components or mounts that contain the universal AMPs hole pattern.........P/N 11-13319 ....**$9.99**

RAM® CRADLE FOR APPLE IPHONE X / XS / XR
This high-strength composite, form-fit cradle was designed specifically for the Apple iPhone X/ XS/ XR. Allowing for easy one-handed docking and removal, all buttons, cameras, ports, and speakers are exposed and accessible. The 2-hole AMPS pattern on the back of the cradle and included hardware allows for the attachment of a RAM® diamond ball base – compatible with a wide range of additional RAM® components.
iPhone X & XS ....P/N 11-17254 ....**$10.49**
iPhone XR ....P/N 11-17257 ....**$10.49**

RAM EZ-ROLL'R HOLDER FOR IPAD PRO -
EZ-Roll'r™ Cradle is not a complete mounting solution, but contains hardware to attach to any RAM mount that contains the universal AMPs hole pattern. The side buttons, camera and charging port are conveniently exposed and accessible. Included is a set of four nuts and bolts to connect the cradle to any RAM components or mounts that contain the universal AMPs hole pattern.
P/N 11-15889 ....**$17.49**

RAM DOUBLE SOCKET SWIVEL ARM FOR 1 INCH BALLS
The RAP-B-200-12U, double socket swivel arm, consists of double 1" diameter open ball sockets with a 360° rotation point at the center of the arm. The rubber ball and socket at each end, and a central pivot point provides unsurpassed adjustability. The RAM ball sockets maximize ball coverage for optimal fit. ....P/N 11-14916 ....**$13.49**

RAM EZ ROLLER CRADLE FOR THE IPAD MINI 4 -
the most cost effective and simple way to secure the iPad mini 4 in a variety of applications. Included is a set of four nuts and bolts to connect the cradle to any RAM components or mounts that contain the universal AMPs hole pattern.
P/N 11-14148 ....**$13.99**

RAM DUAL 1 INCH BALL SWIVEL ADAPTER -
Consists of dual 1" balls, with a swivel middle connection point, that allow the connection of two 1" socket arms. The swivel feature allows you to articulate your mount in various positions for optimum viewing angles. This mount is ideal if your mount arm is just too short.
P/N 11-14483 ....**$13.50**

RAM LOCKING CASE FOR GARMIN DEZL™ 560
The RAM-HOL-GA43LU consists of a high strength composite locking case and hole pattern that will allow the attachment to all RAM components or mounts that contain the universal AMPs hole pattern. Compatible and interchangeable with a wide range of popular RAM Mounting products, this locking case is ready to compliment your GPS and become the most useful accessory in your vehicle. Included is a set of two nuts and bolts to connect the cradle to any RAM components or mounts that contain the universal AMPs hole pattern.
P/N 11-16371 ....**$23.49**

LITTLE BUDDY ADHESIVE MOUNT
Minimalists in design yet incredibly useful is the RAM Lil' Buddy™ mount. Using an adhesive disk, put the Lil' Buddy practically anywhere you want to keep your portable electronics easy to see and always within your reach. Designed with a very small foot print, finding a home on your dash or console is easy. Deciding what you want to mount may be a tough decision though. With so many uses, your iPhone, Blackberry, Palm, or MP3 player can be perfectly matched and supported by your new best friend, the RAM Lil' Buddy™.).
P/N 11-08584..............**$13.99**

AV

SPECIALTY MOUNTS

Order your complete mounting solution by choosing your mount and then cradle. You can reference the 2 step process below.

Model No.	Description	Adapter	Part No.	Prices
RAM-B-316-1-238U	RAM Universal Floor Mount	Diamond	11-09771	$38.50
RAM-B-131-202U	RAM Cessna Aircraft Seat Rail Mount	Round	11-09436	$118.99
RAM-B-131-238U	RAM Cessna Aircraft Seat Rail Mount	Diamond	11-09773	$118.49
RAM-B-131-G1	RAM Base Seat Rail Mount for GPS	Round	11-08838	$66.99
RAM-B-131B	RAM Aircraft Seat Rail Base	---	11-08838	$66.99

ACCESSORIES / MISC. MOUNTS

RAM-B-316-1-238U   **RAM-B-131-202U**

Model No.	Description	Part No.	Prices
RAM-B-132BU	RAM Self Leveling Drink Cup Holder. Requires purchase of base and arm	11-01334	$18.49
RAM-MAG-1U	Magnifying Glass for GPS. Intended for use with diamond adapter and cradle	11-04299	$33.49
RAM-CIG-LIGHT-8U	RAM 12 Volt Red/White Light Adaptor. Plugs into 12v receiver	11-08580	$7.49
RAN-B-202AU	1/4"-20 Camera Adapter Base. Requires purchase of base and arm	11-02080	$9.99

RAM TOUGH-RACK™ MOUNT

With the RAM Tough-Track, flat surface mounting possibilities are nearly endless for ATVs, aircraft, cars, combines, motorboats, tractors, trucks, and more. This track mount solution can be drilled to any flat surface and is designed for use with #10 screws for easy installation – hardware not included. The Tough-Track works with a wide variety of RAM track bases to attach devices like action cameras, fishing rods, phones, and tablets. Material: High Strength Composite. Hardware & Track Ball not included.

Description	Part No.	Price
7 Inches	11-14941	$6.99
10.75 Inches	11-14942	$7.49
14.5 Inches	11-14943	$7.99
18.5 Inches	11-14944	$9.49

RAM ADAPT-A-POST™ TRACK BASE

For the serious kayak angler, the RAM® Quick Release Track Base is a universal mounting solution for a wide variety of RAM kayak products. The RAM Adapt-A-Post™ Quick Release Track base is available to mount the full line of RAM Post and Spline rod holders, for your heavier fishing rod set-ups. Designed to accommodate most kayak tracks, quickly fasten and adjust the base to your existing track system or add a track system to kayak set up. Popular tracks include Yakattack's GearTrac System, Wilderness Systems SlideTrax and common T-Slot Track Systems. To adjust, simply depress the release buttons and turn the ball counter-clockwise. The base will slide along the track, giving you the ultimate flexibility in repositioning your rod holder or mounted device. The RAM Quick Release Track base can be installed at any point along the track without the need to feed in from one end of the track. A necessity for all fishing enthusiasts, the RAM Quick Release Track Base is certain to create more mounting options on whatever you choose to take to the water. Material: High Strength Composite.
P/N 11-14951 ....$14.99

AV

X-GRIP -
The NEW RAM X-Grip is perfect for the modern pilot. Sleek, user friendly, and universal, the RAM X-Grip is the right cradle for the techno savvy pilot. Pats. Pend.

Features:
1. Spring loaded holder expands and contracts for perfect fit of your device.
2. Rubber coated tips will hold device firm and stable
3. Versatility of holder allows for attachment to many RAM-to-RAM ball mounts.
4. Single socket technology allows for multiple adjustment angles and articulation of device.

RAM-HOL-UN7BU   **RAP-SB-180-UN7U**   **RAP-SB-187-UN7U**

Model No.	Description	Part No.	Prices
RAP-SB-187-UN7U	RAM X-Grip w/ EZ-Strap Mount	11-09776	$29.50
RAM-HOL-UN7BU	X-Grip Cradle w/1" Ball Adapter	11-09777	$26.50

RAM DOUBLE SUCTION CUP BASE WITH 2-1/2 ROUND BALL ADAPTER FOR GARMIN AERA

Ram Double Suction Cup Base. 3.3" Diameter Suction Cup with Twist Lock. Note: This does include mounting hardware. ...P/N 11-14087 ....$32.25

RAM TRACK BALL™ WITH T-BOLT ATTACHMENT

The RAM Track Ball is made up of a B size 1" or a C size 1.5" rubber ball molded to a high strength composite base, a rubber friction washer and a stainless steel T-bolt for sliding into virtually any track system. Simply insert or slide the Track Ball into your track and twist the ball clockwise to tighten in place. Twist counterclockwise to loosen or adjust the ball. Material: High Strength Composite. T-Bolt Dimensions: .48" x .95"

Description	Part No.	Price
1 Inch	11-14949	$8.95
1.5 Inch	11-14950	$11.99

RAM FLEX-ROD™ TRACK MOUNT

The RAM Flex-Rod™ Track Mount is made up of an 18" rigid aluminum rod with a ribbed plastic cover, a track base with T-bolt for virtually any track system, and a B size 1" rubber ball at the top for connecting any RAM ball and socket mounting components. Simply insert or slide the mount into your track and twist clockwise to tighten. Twist counterclockwise to adjust or remove the mount as needed. Material: High Strength Composite.
P/N 11-14952 ....$40.99

MAGICMOUNT MAGNETIC DASH MOUNT

MagicMount™ is the multi-award-winning magnetic mounting system for conveniently mounting smartphones and more. Place the included MagicPlate™ behind your case or battery or directly to its surface, and then simply hover your device near the magnetic to instantly lock it securely in place. This cell phone mount system is sleek and versatile. The cradle-free design uses high-powered magnets to secure your device where you use them most. Place your device at any angle for convenient viewing. In the air, on the road, at home, everywhere.
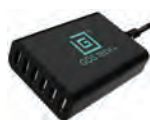P/N 11-15325 ....$19.95

RAM INTELLISKIN SNAP-CON™ GDS TO MICRO USB - The Snap-Con™ GDS to Micro USB 2.0 Adaptor is an essential accessory for any IntelliSkin™ or other GDS® compatible device. This accessory enables on the go charging and data connectivity of any GDS® compatible device, including devices wrapped in IntelliSkin™, using an included Micro USB 2.0 cable. ....P/N 11-15488 ....**$28.49**

RAM INTELLISKIN GDS CIGARETTE CHARGER DUAL USB 4.8A - The GDS® 2-Port USB Car Charger will charge two devices at once, including the latest generation Apple and Samsung devices, while on the road. The low-profile design fits easily in your dash without getting in the way of other controls within the vehicle......P/N 11-15490 ....**$12.99**

RAM INTELLISKIN GDS 2 PORT USB WALL CHARGER The GDS® Dual Port Wall Charger will charge two devices at once, including the latest generation Apple and Samsung devices, in your home or office. The low-profile design plugs easily in a wall socket without getting in the way of other plugs on the wall. The dual 2.4 AMP output (4.8 Amp total) current assures your devices will charge quickly and efficiently.........P/N 11-15491 ....**$16.49**

RAM INTELLISKIN GDS 6 PORT USB CHARGER 60W 110V-240V - The GDS® Intelligent 6-Port USB Charger works with the GDS® 6 Gang Desktop Dock to simultaneously charge six unique devices enclosed in IntelliSkin™ cases. Up to six USB cables connect to the back of the Desktop Dock and plug into the USB Charger. P/N 11-15492 ....**$43.49**

RAM MOUNT GDS® MODULAR HARDWIRE CHARGER The GDS® Modular Hardwire Charger with mUSB cable is the ideal solution for providing power to any GDS® vehicle solution. With the quick disconnect feature, easily connect any USB Type A charging cable. When it comes time to upgrade, avoid any rewiring by simply unplugging the power connector and attaching the new charger components. Compatible with any 5V device with a current requirement of 2.5A or less...............................P/N 11-15494 ....**$19.99**

RAM INTELLISKIN GDS MICRO A FEMALE HARD-WIRED CAR CHARGER - The GDS® Step Down Converter/Charger is the ideal solution for providing power to any 5V device in a variety of applications, including fleet vehicles, consumer automobiles, ATVs, motorcycles and more. This charger features a Female USB Type-A Female connector that can connect directly to any standard USB cable. ....P/N 11-15494 ....**$19.99**

RAM INTELLISKIN DESKTOP GDS DOCK ADJUSTABLE BACK - The Adjustable GDS® Desktop Charger is a low profile docking station that is ideal for the office, warehouse, class room, exam room or other stationary location. This dock integrates a unique adjustment feature to accommodate a wide range of device thicknesses.........P/N 11-15495 ....**$89.49**

RAM INTELLISKIN VEHICLE GDS LOCK IPAD PRO 10.5 The RAM® Locking Vehicle Dock with GDS Technology™ is a spring loaded, quick release cradle with a keyed lock that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad Pro 10.5 with IntelliSkin™. ....P/N 11-15496 ....**$109.49**

RAM INTELLISKIN VEHICLE GDS LOCK APPLE IPAD MINI 3 The RAM® vehicle dock with GDS Technology™ is a spring loaded, quick release cradle with a keyed lock that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple Ipad Mini 2/3 with IntelliSkin™. ....P/N 11-15497 ....**$107.49**

RAM INTELLISKIN VEHICLE GDS LOCK APPLE IPAD MINI 4 The RAM® vehicle dock with GDS Technology™ is a spring loaded, quick release cradle with a keyed lock that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad mini 4 with IntelliSkin™. ....P/N 11-15498 ....**$107.49**

RAM INTELLISKIN VEHICLE GDS LOCK APPLE IPAD AIR 2 The RAM vehicle dock with GDS Technology™ is a spring loaded, quick release cradle with a keyed lock that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad PRO 9.7, Air 2 and 5th Generation with IntelliSkin™. P/N 11-15499.......**$107.99**
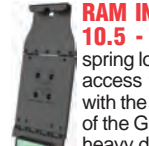
RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD MINI 2 The RAM-GDS-DOCKT-AP6U includes the top docking cup and necessary hardware for converting your existing GDS® Vehicle Dock to support the Apple iPad mini 2 & 3 with IntelliSkin™. Without having to purchase a brand new vehicle dock, this top cup allows you to modify your existing dock to work with your new IntelliSkin™ device.......................................P/N 11-15500 ....**$10.49**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD MINI 4 - The RAM-GDS-DOCKT-AP7U includes the top docking cup and necessary hardware for converting your existing GDS® Vechicle Dock to support the Apple iPad mini 4 with IntelliSkin™. Without having to purchase a brand new vehicle dock, this top cup allows you to modify your existing dock to work with your new IntelliSkin™ device. ....P/N 11-15502 ....**$10.99**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD AIR 2 - The RAM-GDS-DOCKT-AP8U includes the top docking cup and necessary hardware for converting your existing GDS® Vechicle Dock to support the Apple iPad Air 2 with IntelliSkin™. Without having to purchase a brand new vehicle dock, this top cup allows you to modify your existing dock to work with your new IntelliSkin™ device. ....P/N 11-15503 ....**$10.99**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK IPAD PRO 10.5 - The RAM® Vehicle Dock with GDS Technology™ is a spring loaded, quick release cradle that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad Pro 10.5 with IntelliSkin™. NOTE: This version of the GDS® vehicle dock is not recommended for light, medium or heavy duty commercial vehicles. .....P/N 11-15504 ....**$72.49**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD MINI - The RAM® vehicle dock with GDS Technology™ is a spring loaded, quick release cradle that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple Ipad Mini 2/3 with IntelliSkin™. NOTE: This version of the GDS® vehicle dock is not recommended for light, medium or heavy duty commercial vehicles. .....P/N 11-15505 ....**$70.49**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD MINI 4 - The RAM® vehicle dock with GDS Technology™ is a spring loaded, quick release cradle that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad mini 4 with IntelliSkin™. NOTE: This version of the GDS® vehicle dock is not recommended for light, medium or heavy duty commercial vehicles. .....P/N 11-15506 ....**$70.99**

RAM INTELLISKIN GDS TOP CUP VEHICLE DOCK APPLE IPAD AIR 2 - The RAM vehicle dock with GDS Technology™ is a spring loaded, quick release cradle that offers a secure fit with easy access to the mounted tablet. This docking station is compatible with the Apple iPad PRO 9.7, Air 2 and 5th Generation with IntelliSkin™. NOTE: This version of the GDS® vehicle dock is not recommended for light, medium or heavy duty commercial vehicles...............P/N 11-15508 ....**$70.99**

RAM INTELLISKIN GDS APPLE IPAD PRO 9.7 - The IntelliSkin™ is a protective sleeve for the Apple iPad Pro 9.7 featuring GDS® Technology. The IntelliSkin™ will bring drop protection to your device and features an integrated connector which is molded directly into the skin. This prevents damage to the connector on your device from repetitious docking and un-docking compatible with any GDS® docking station. P/N 11-15509 ....**$67.49**

RAM INTELLISKIN GDS APPLE IPAD 9.7 - IntelliSkin™ is a protective sleeve featuring GDS Technology™ for the Apple iPad 5th generation (9.7" screen). The IntelliSkin's integrated GDS® connector is molded directly into the skin, preventing damage to your device's charging port from repetitious docking. Compatible with a variety of GDS Docks. P/N 11-15510 ....**$64.99**

RAM INTELLISKIN GDS APPLE IPAD PRO 10.5 - IntelliSkin™ is a protective sleeve featuring GDS Technology™ for the Apple iPad Pro 10.5. The IntelliSkin's integrated GDS® connector is molded directly into the skin, preventing damage to your device's charging port from repetitious docking. Compatible with a variety of GDS Docks. P/N 11-15511 ....**$65.99**

RAM INTELLISKIN GDS APPLE IPAD MINI 3 - The IntelliSkin™ is a protective sleeve for the Apple iPad Mini featuring GDS® Technology. The IntelliSkin™ will bring drop protection to your device and features an integrated connector which is molded directly into the skin. This prevents damage to the connector on your device from repetitious docking and un-docking. ....P/N 11-15512 ....**$52.99**

RAM INTELLISKIN GDS APPLE IPAD MINI 4 The IntelliSkin™ is a protective sleeve for the Apple iPad mini 4 featuring GDS® Technology. The IntelliSkin™ will bring drop protection to your device and features an integrated connector which is molded directly into the skin. This prevents damage to the connector on your device from repetitious docking and un-docking. .... P/N 11-11513 ....**$53.49**

RAM INTELLISKIN GDS APPLE IPAD AIR 2 The IntelliSkin™ is a protective sleeve for the Apple iPad Air 2 featuring GDS® Technology. The IntelliSkin™ will bring drop protection to your device and features an integrated connector which is molded directly into the skin.......................................P/N 11-15514 ....**$63.49**

AV

SORCERER AS AUTOPILOT

Same features as the TruTrak DFC-250 ATI, plus GPSV and VNAV. GPS-Slaved solid-state DG • Digital Ground Track Selector • VOR / LOC / ILS • VOR / LOC Reverse • Selected-angle Intercept • GPS Nav Mode • GPS Steering • Solid-state gyroscopically-controlled pitch axis • Selected Vertical Speed climbs and descents • Altitude Hold • Built-in • Digital Altimeter • V-NAV • Vertical GPS Steering • Altitude Selector with 50-ft resolution for approaches • Selectable airspeed for altitude transitions (in addition to VS) • True Control Wheel Steering* • Simplified User Interface..P/N 11-02968 ......**$6,264.00**
TruTrak Yaw Damper ....P/N 11-02972 ......**$1,546.00**

TRUTRAK YAW DAMPER

The Yaw Damper employs a solid state rate gyro to damp out short term yaw oscillation, and a transverse accelerometer to control rudder position long term, so as to keep the ball centered. The Yaw Damper can be added to the DFC-200 or Sorcerer autopilots.
• 2.05" H x 4.12" W x 1.69" D • 12-28 volts • Standard Weight including servo 3.25lb (Servo Must be Purchased Separately)
P/N 11-02972 ......**$1,546.00**

AUTOMATIC TRIM

Failsafe Automatic Pitch Trim can be added to any system with vertical speed select. TruTrak is the only company serving the experimental market to offer Failsafe Automatic Pitch Trim; this ensures that a single failure will not cause runaway trim. Automatic Trim can be added to the Yaw Damper. • 2.05" H x 4.12" W x 1.69" D • 12-28 volts • Weight 4lb.
P/N 11-02970 ....**$339.50**

TRUTRAK VIZION MULTI-SERVO AUTOPILOTS WITH HARDWARE

Flat

Round

• Fits Standard 2.25" Round Instrument Hole • Optional Flat Rack Mounting • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • GPS Steering • Altitude Hold • Altitude Select • All Solid-State Sensors • 12-28 Volts
• Simple Intuitive User Interface • Climb and Descend on Vertical Speed • Trim Sensing Pitch Servo that Annunciates for Trim. • Vertical GPS Steering (GPSV) • Dims: 2.5"H x 2.5"W x 5.5"D • Flat Dims - 1.6"H x 4.3"W x 5.5"D • Lighter and Smaller then Comparable Systems • True Control Wheel Steering* • Standard weight including servos – 6lb.

VIZION EXPERIMENTAL AUTOPILOTS

Description	Size	Part No.	Price
Vizion 385 2-1/4" Multi Servo Autopilot	2.5"H x 2.5"W x 5.5"D	11-11533	$2,050.00
Vizion 385 2-1/4" Multi Servo Autopilot	1.6"H x 4.3"W x 6.1""D	11-11534	$2,134.00
Vizion 385 3" Multi Servo Autopilot	3"	11-16284	$2,050.00

VIZION STC'D AUTOPILOT

Description	Part No.	Price
Vizion 385 Autopilot STC - 2-1/4"	11-16056	$4,889.00
Vizion 385 Autopilot STC - 3-1/8"	11-16057	$4,889.00
Vizion 385 Autopilot STC - Flat Pack	11-16058	$4,889.00

SPECIFY ROUND OR FLAT MOUNT.

TRUTRAK GX PILOT WITH HARDWARE

Designed to interface with Garmin G3X™ • Fits Standard 2.25" Round Hole • Built-in Ground Track DG • Track Select Mode • Altitude Hold • VS Select Mode • EFIS Mode (Lateral and Vertical Steering) • Control Wheel Steering • Pitch Trim Annunciation • 12-28 Volts • 2.5" H x 2.5" W x 5.5" D ..... P/N 11-08553...........**$76.50**

TRUTRAK ECO AUTOPILOT AUTOMATIC ENVELOPE PROTECTION

AEP is a safety feature that allows the pilot to set a flight envelope (bank angle and pitch angle) that they wish to fly within. When AEP is armed, the autopilot will monitor the bank and pitch angles of the aircraft and if the aircraft angles exceed the preset limit, the autopilot will apply pressure to the controls and move the aircraft back inside the envelope. Installation Kit
P/N 11-14183 ....**$344.00**

TRUTRAK GEMINI AUTOPILOT

The Gemini takes simple and intuitive user interfaces and takes it a step further by adding a now industry standard joystick, allowing a clean look without becoming too convoluted. Your Gemini autopilot was created with both the VFR and IFR pilot in mind. The new Emergency Level Mode was designed primarily for the VFR pilot that inadvertently finds himself in IMC. There are three types of control inputs: TOGGLE, ROTATE, PRESS. Fits standard 3-1/8" cutout.
P/N 10-05952......**$2,695.00**

TRUTRAK REPLACEMENT PARTS

Description	Part Number	Price
Yaw Damper Controller	11-17193	$775.00
Trim Sense Servo	11-17195	$775.00
High Torque Servo	11-17196	$1,739.00
2" Vizion Controller	11-17198	$1,256.00
3" Vizion Controller	11-17199	$1,256.00
Flat Vizion Controller	11-17201	$1,256.00
Gemini Ap Controller	11-17202	$1,724.00
Sorcerer As Controller	11-17203	$4,735.00
Sorcerer Ati Controller	11-17204	$4,735.00
Non Stock Install Kit 1 Per Axis	11-17205	$796.00
Certified 2" Vizion Controller	11-17206	$1,450.00
Certified 3" Vizion Controller	11-17207	$1,450.00
Certified Flat Vizion Controller	11-17208	$1,450.00
Certified Link Sensor	11-17209	$485.00
Certified Install Kit	11-17211	$966.00

AV

GX PRO AUTOPILOT

This pro Pilot autopilot product, the GX PRO, is designed for use with the Garmin G3X EFIS System. It is available in two models:

GX PRO Instrument Mount - It mounts in a standard 3-18" instrument cutout. When driven by a G3X EFIS, it has full GPSS and GPSV capability without the need for an ARNIC 429 data interface, thus lowering the cost substantially. Includes 2 servos and servo installation kit. P/N 11-09714..........**$2,995.00**

GX PRO Stack Mount - This includes a metal sleeve that may be mounted into a radio stack, allowing the unit to be removed from the front. It has the same characteristics as the instrument mount system. Includes 2 servos and servo installation kit.

P/N 11-09715..........**$3,095.00**

EZ PILOT AUTOPILOT - A single axis, gyro stabilized roll control autopilot. It is a modern navigation system designed to accurately track a GPS flight plan or "Go To" course that is entered into a handheld or panel mount GPS receiver. Track, Course (similar to a heading bug), and Intercept modes are available to the pilot. Pilot Command Steering simplifies course changes. Full data display of all GPS input data. Fits standard 3-18" instrument cutout. Length: 3". Weight – Control Head: 6 ounces/ 169 grams Gold Standard Servo: 27 ounces/ 765 grams

P/N 11-06547 ....**$1,795.00**

PRO PILOT AUTOPILOT - A GPS enabled autopilot that provides high-quality 2 axis navigation solutions for Experimental and LSA aircraft. It uses solid-state MEMS gyros for pitch and roll stability. Horizontal and Vertical functions may be individually enabled. Horizontal navigation provides three modes of control – Track, Course and Intercept. Vertical navigation functions offer Altitude Hold, Climb/ Descent with Airspeed Limiting, and Altitude Pre-Select. Multi-color LEDs and a bright PLED display screen provide a clear picture of functions and displayed data (LCD screen available upon request). A slip-skid indicator and a turn rate display duplicate the functions of a standard turn rate coordinator. Advanced Safety Features – "G" force limiting, automatic servo disconnect on takeoff, "intelligent" servos with independent emergency disconnect authority, horizontal Track Offset Positioning, and Trio's "automatic 180 degree turn" feature (for VFR pilots encountering poor weather). Fits a standard 3-1/8" instrument cutout. Length: 6". Weight – Control Head: 12 ounces/ 340 grams Each Servo: 27 ounces/ 765 grams. Fuel Management and Auto trim, included in the price. P/N 11-06548 **$2,995.00**

Auto-Trim option for existing aircraft electric pitch trim system -

P/N 11-06549 .....**$225.00**

GPSS/GPSV Option.....................................P/N 11-08554 .....**$500.00**

Pro Pilot Rack Mount ....P/N 11-08556 ..**$3,095.00**

Fuel Management Option Software - Option for the Pro Pilot allows the pilot to view multiple fuel parameters. .... P/N 11-08557 .....**$199.00**

Wiring Harness...P/N 11-13465 **$187.50**

EZ-3 ALTITUDE CONTROL - The EZ-3 incorporates all of the features of the EZ-2 and adds the ability to pre-select a destination altitude. Once engaged, the system will initiate a climb/descent to the target altitude at a vertical speed that the pilot has previously specified. The vertical rates may be adjusted at any time during the climb/descent.

The internal altimeter is easily adjusted to compensate for changes in barometric pressure, using the primary aircraft altimeter as a reference. Features: • Altitude PreSelect - Set Target Altitude• Fully Adjustable Climb/Descent Rates - Pilots may also use PCS (Pilot Command Steering) to Transition to "Climb-Descent on Airspeed" at any time.• Smooth Intercept of Target Altitudes. P/N 11-06552 **$1,795.00**

Auto-Trim option for existing aircraft electric pitch trim system -

P/N 11-06549 .....**$225.00**

All altitude control systems employ the Trio Gold Standard servo.

ACCESSORIES

EZ Pilot Harness Assembly .... P/N 11-06702 .....**$118.75**
EZ Altitude Control Harness Assembly .... P/N 11-06703 .....**$125.00**
ProPilot AuoPilot Harness Assembly.............. P/N 11-06704 .....**$199.00**
Gold Standard Servo..................................... P/N 11-06705 .....**$750.00**

COMMANDER 2900 KLN-900 DOCKING STATION

The Commander 2900K is Lone Star Aviation's Docking Station for BENDIX/ KING/HONEYWELL KLN 900 DZUS-Mounted GPS. The portable docking station is designed to let you explore the KLN 900 features in a non-flying environment...in the comfort of your home or office. Operation is simple and fast, just slide your KLN 900 into the Commander's Tray and you are ready to go. P/N 11-04911 ....**$379.00**

COMMANDER GARMIN GNS-430/530

Lone Star Aviation's Docking Station for Garmin's GNS 430/530 Flight Management System. The Commander is a portable Docking Station designed to let you explore the Garmin GNS 430/530 features in a non.

Features:•Simulate your route of flight and published approaches. •Access sids and stars. •Program and store flight plans. •Simulate approaches. •Enter and store waypoints. •Reduce your learning curve. •Operating your GNS430/530 in flight will become automatic.

GNS-430.....................................P/N 11-04864.........................**$258.95**
GNS -430 INT.............................P/N 11-04865.........................**$268.95**
GNS-530.....................................P/N 11-04866.........................**$269.00**
GNS-530 INT..............................P/N 11-04867.........................**$279.00**

COMMANDER 2900 TRIMBLE 2101 24VOLT

Lone Star Aviation's Docking Station for the Commander 2900 2101/CUGR GPS System is designed to allow you to explore the FreeFlight Systems 2101/CUGR features in a non-flying environment. Ideal for Guard Units, EMS, Law Enforcement, DEA, Boarder Patrol, etc. staff training. Unit does not include cable. P/N 11-04926 ....**$379.00**

COMMANDER 2900 AVIDYNE EX-500 DOCKING STATION

This Commander 2900 Docking Station is a training station for the Avidyne EX-500 GPS receiver used in general aviation, business and military aircraft. The Commander Docking Station is a desktop trainer that allows the pilot to review basic, intermediate to advanced GPS functionality in a non flying environment. P/N 11-04931 ....**$349.00**

COMMANDER 2900 KMD 150 & 250

Lone Star Aviation's 2900 Station has been designed for the KMD 150, KMD 250 equipment so that the user can practice their GPS, Display and all of it's functions in a non flying environment. The 1 port cooling fan (LS03-02013) plugs into the rear accessory panel and provides 6-8 CFM of cooling to the KMD 150/250 receiver. The KMD connectors plug into the rear panel of the Commander Station for an easy set-up so you can get right into the training mode. P/N 11-04922 ....**$279.00**

COMMANDER STATION FOR C-5000

Lone Star Aviation's Commander Station has been designed for the Wulfsberg C-5000 Control Head equipment so that the pilot can practice GPS, control head functionality at his or her own pace in a non flying environment. The 1 port cooling fan (LS03-02013) plugs into the rear accessory panel and provides 6-8 CFM of cooling to the C-5000 receiver. P/N 11-04928..............................**$379.00**

AV

COMMANDER GMA-350 DOCKING STATION

Brand New from Lone Star, Commander GMA-350 Docking station designed for one of Garmins new exciting products. Designed to show off Garmin's new exciting 3D audio capabilities. Comes with everything you will need to run your GMA-350...P/N 11-10595 ....**$398.75**

COMMANDER GTN-650 DOCKING STATION

Brand New from Lone Star, Commander GTN-650 Docking station designed for one of Garmin's new exciting products. Comes with everything you will need to run your GTN-650, including a chassis mounted avionics cooling fan.........P/N 11-10593 ....**$348.75**

COMMANDER GTN-750 DOCKING STATION

Brand New from Lone Star, Commander GTN-750 Docking station designed for one of Garmin's new exciting products. Comes with everything you will need to run your GTN-750, including a chassis mounted avionics cooling fan.........P/N 11-10594 ....**$348.75**

COMMANDER 2000K

Pre-wired in the "take home" mode. Simply slide your KLN90A/B, KLN89/B, KLN35 Series, and KLX-135 Series GPS or GPS-COM, into the tray and explore your GPS receiver as if you were flying. Practice actual flight or approach at home, store flight plans, and learn all of your units functions. Update your units database via the internet using a desktop or laptop computer & save up to $300/year. Appropriate connector is shipped free via UPS Blue Label from the factory. Additional connectors, cooling fan, Argus and moving map interface available.

2000K Station..P/N 11-18478 ....**$240.95**
2000K 220VAC...P/N 11-04876 ....**$269.00**

LONESTAR ACCESSORIES

Description	Part No.	Price
1 Port Dock Station Cool Fan	11-04859	$59.85
KA-20 Mounting Bracket	11-04873	$59.95
USB to Serial Converter	11-04884	$58.95
150, 155, 165 Garmin Connector	11-04899	$38.95
CNX-80 Power / Simulation Harness	11-04918	$86.75
KLN-89B-94 Data Cable	11-04882	$59.95
KLN-88-Power Cable	11-04881	$48.95
KLN-35A Power Cable	11-04880	$48.95
KLN-89B 94 Power Cable	11-04879	$48.95
KLN-90A/B Power Cable	11-04878	$58.95
KLX-135 Power Cable	11-04874	$58.95
KLN-900 & A/C Panel	11-04913	$89.95
KLN-900 Power Cable	11-04912	$86.75
SD Converter TSO 24-13.8 VDC	11-04894	$497.00
DC Converter TSO 24-16 VDC	11-04895	$499.95
DC Converter 24-19VDC TSO	11-04898	$499.95
6 Port Cable Kit 36"	11-04914	$39.95
6 Port Cable Kit 60"	11-04915	$49.95
Power Simulation Cable for Trimble 2101, CUGR MS 3747	11-04927	$125.00
Power Simulation Cable for EX-500, EX-800	11-04932	$99.95
Plastic Connector Kit for DC Step Down Converter	11-06001	$59.95
Nylon 5/8" Y adapter for splitting airflow from one avionics cooling fan to two units.	11-08622	$16.95
LoneStar Ventilation Blower Kit 12 Volt	11-08627	$389.95
LoneStar Ventilation Blower Kit 24 Volt	11-08640	$389.95
LoneStar Ventilation Blower Speed Controller	11-08631	$89.95
Lonestar Y Adapter Kit	11-08629	$114.95
Metal Connector Kit for DC Step Down Converter	11-08636	$53.65
Connector Kit DC Step Down Converter with Cigarette Lighter Receptacle. Connect directly to one of the Down Converters. Cable length is 36 inches.	11-08637	$128.75
Fan Failure Module	11-10591	$239.75

TRANS-CAL ATS-400 ALTITUDE DIGITIZER

The Trans-Cal Model ATS-400 is designed to test, display and simulate the output of Altitude Reporting Equipment, which conform to the ICAO Standard for SSR Pressure Altitude Transmission. In accordance with the U.S. National Standards for I.F.F. Mark X (SIF)/Air Traffic Control Radar Beacon System SIF/ATCRBS. The ATS-400 will also display the output of altitude reporting equipment which transmit serial data in either RS232, RS422, RS485 or ARINC 429 Label 203. The ATS-400 may be used in the aircraft or on the bench making this an extremely versatile piece of test equipment.
P/N 11-09607.......................**$1,437.00**

TRANS-CAL EET-200 ENCODER EMULATOR TESTER

The EET-200 provides the avionics technician a clean, quick and reasonably priced method of emulating an altitude encoder output by providing a known good altitude code source to aide in isolating each data bit D2 through C4. Simply unplug the altitude encoder and substitute the EET-200; rotating the knob will move the transponder through a variety of preprogrammed altitudes testing each data bit in sequence.
P/N 11-09606 ....**$319.00**

NC 2210A NAV/COM RAMP TESTER

The NC 2210 Tester is optimized for ramp testing of navigation and communication equipment. The unit provides test signals for marker beacon, communication, localizer, glide slope, and VOR. Also included, is a wide band comm receiver to permit evaluation of comm transmitter AM fidelity. The TKM NC 2210 is a NAV-COMM Ramp Tester. The unit has improvements over the 2200, which it replaces. The improvements include the following: Higher •RF power • Precise localizer and glide slope deflection • Calibrated VOR bearings at 10 degree increments • Crystal controlled modulation frequencies • Longer battery life • Internal antenna with adjustable length • Smaller size. Specifications: • Size: 3.8 x 7.4 x 2.3" • Weight: 1.3 lbs. • Power: Internal battery with over 2 hours running time (110VAC charger included) • Warranty: 2-year from date of purchase. ....P/N 11-01813 ......**$2,995.00**

QUICK SHOT AVIONICS REFERENCE MANUAL

Quick Shot is a compact, rugged binder type manual which shows detailed wire pin-outs for a wide variety of general aviation avionics equipment. Each page is removable and very durable. The wiring diagrams in Quick Shot Volume 1 include Apollo/UPS, Bendix, Garmin, Icom, Sandel Mid-Continent Instruments and Avionics, Sigtronics, United, Telex, David Clark, PS Engineering, Narco, Val, and many more.
P/N 11-01623 ....**$56.50**

PRO HUB

A revolutionary product that allows you to easily install and connect avionics into an existing aircraft or one you are building. Designed to accept and connect most NAV/GPS/COM, modern audio panels, intercoms, VOR indicators, moving map displays, HSI's, RMI's, ADF's, annunciators, mode control and almost any "send and receive" RS-232 formatted device. Approach's custom cables are made to connect with the Fast Stack Pro Hub and associated avionics and come with connectors installed. Virtually No Hand wiring •Lower Upgrade Costs •Single Point Grounding.....P/N 11-01459 ....**$545.00**

AV

EBC ELTS

ELT installed in the cabin or cockpit. Automatically activated. Transmits on both 121.5 & 243.0MHz. The model EBC 102A is the smallest cabin mounted Emergency Locator Transmitter in existence. It, like all EBC ELTs, is designed to stay with the pilot in the event of a crash or unplanned but safe landing. Whether impact activated or turned on manually, the EBC 102A transmits a satellite compatible signal on both the civilian and military international emergency frequencies for up to 3 days. The 102A is built to withstand up to 1000 G's of impact. Its solid state circuitry is encapsulated in closed cell polyurethane - an exclusive EBC manufacturing technique. This is what allows the unit to be completely submerged in salt water for twenty or more hours and still operate effectively as long as the antenna is above water. The EBC 102A incorporates a permanently attached integral, unbreakable antenna, a nylon lanyard to enhance its portability, and is mounted in a quick-release bracket in the cabin within easy reach of the pilot. Operating the toggle switch at the top of the unit allows for manual activation or pre-flight testing. The standard built-in test lamp is used in monitoring power output, modulation, and battery strength. Historically, the EBC 102A has been the ELT of choice for a majority of small aircraft owners in the United States since 1970.

EBC-102A Signal only ELT ....P/N 11-02575 ....**$576.00**
EBC-502 Portable Cabin Mount ELT ....P/N 11-02576 ....**$520.00**
EBC GS21 ELT Battery...............................P/N 11-04771 ....**$38.50**

POINTER 3000 SERIES ELTS

The Model 3000 (AF/AP) and 3000 (AF) which have been in production for twenty years are now revised to incorporate the upgrades of RTCA DO-183 for emergency locator transmitters. The new models, designated 3000-10 (AF/AP) and 3000-11 (AF) are interchangeable with existing units in form, fit and function. The 3000-10 and 3000-11 transmitters incorporate an alkaline battery pack specifically designed to endure the short term extreme thermal variations and mechanical shock requirements of RTCA DO-183. Installed weight is 2.0 lbs. Emergency voice transmission is provided on the 3000-10 transmitter if desired. Size: 3 Size: 3 1/2"W x 7 5/8"H x 2-3/4"D

(Complete)...P/N 3000-10 ....**$525.00**
Auto Fixed ....P/N 3000-11 ....**$517.00**
Accessories:
Merl Battery pack, 2-year Alkaline ....P/N 11-17950 ....**$23.75**
Pointer Battery Pack....................................P/N 2020 ....**$47.75**
Mounting bracket assembly..........................P/N 2017 ....**$63.75**
Master switch guard kit ....P/N 2021 ....**$16.80**
Remote panel switch kit ....P/N 2019 ....**$85.75**
2019-10 Remote switch kit...........................P/N 11-05889 ....**$85.75**
Fixed (remote whip) antenna ....P/N 3001 ....**$78.75**
Coaxial antenna cable..................................P/N 3002 ....**$44.50**
Telescopic antenna for 3000/4000 ELT w/tether
 P/N 2006 ....**$46.50**
2006-10 Telescope Antenna with Lanyard for 3000.4000 ELT w/tether
 P/N 11-16604 ....**$39.75**

ACK 406/121.5 MHZ E-04 ELT

The all new E-04 ELT is a direct replacement for the more than 62,000 model E-01 ELT's (by ACK) on the market today. The new E-04 fits directly into the current E-01 mounting trays and uses the same remote control panel indicator. The E-04 external antenna will utilize your current antenna mounting and wiring installations.
Features: • Accepts GPS position imput data from Bendix/King. Garmin, Nema 0183 GPS • New antenna is swept back 20 degrees, and features a molded plastic base. • 5 watts @ 406MHz for 24 hours, and 100 Mw @ 121.5 MHz for 48 hours. • New simple plug in audible alert indicator. • New lithium battery pack offers a 5 year battery life, and makes it substantially lighter. • Can use Ameri-king remote panel indicator.

Retrofit Kit does not include remote

Description	Part No.	Price
ACK E-04 406MHZ ELT Kit	11-06395	$542.00
ACK E-04 406MHZ ELT Kit INTL.	11-09582	$535.00
ACK E-04 406MHZ ELT Kit Canada	11-14186	$544.00
ACK E-04 Retrofit from E-01 Kit Canada	11-14185	$514.00
ACK E-01 TO E-04 Retro FIT Kit	11-06396	$525.00
ACK E-01 TO E-04 Retro FIT Kit INTL.	11-09231	$499.00
E-04 Whip Antenna	11-10465	$106.75
RCPI Cable For ACK 406/121.5 MHZ ELT	11-09971	$16.90
E-04RC Retrofit to Complete ELT Kit	11-15078	$53.75
Straight throught ACK to Ameriking Cable for ACk ELT	11-14707	$4.95

ACK E-04 COMMERCIAL ELT KIT

GPS capable ELT accepts Garmin aviation, Bendix/King aviation, NMEA 0183 and Arinc 429 data. Retains GPS coordinates after power is removed. Remote fits Artex and Kannad panel cut-outs. ELT certified to the new TSO-C126B standard battery certified to TSO-C142A lithium batteries UN/DOT 8.3 lithium batteries.

Description	Part No.	Price
ACK E-04 Commercial ELT Kit w/ 350K Antenna (USA)	11-13590	$945.00
ACK E-04 Commercial ELT Kit w/ 350K Antenna (Intl)	11-13591	$868.00
ACK E-04 Commercial ELT Kit W/ Mach 1 Blade Antenna USA	11-13003	$2,017.00
ACK E-04 Commercial ELT Kit W/ Whip Antenna USA	11-13004	$918.00
ACK E-04 Commercial ELT Kit W/o Antenna USA	11-13005	$876.00
ACK E-04 Complete ELT With 350 Knot Rod Antenna USA	11-13590	$945.00
ACK E-04 Commercial ELT Kit With AV-300-1 Rod Antenna	11-13594	$1,189.00
ACK E-04 Commercial Elt And Battery Only (No Kit)	11-14086	$752.00
ACK E-04 Commercial ELT Kit (Canada) with whip Antenna	11-14947	$918.00
ACK A30 4ft Interface Cable Assembly	11-13605	$15.95
ACK A30 Add On Wire Kit	11-13606	$4.95
ACK E-04 25 Ft Remote Cable	11-13636	$26.50
ACK A-04 Coax Cable	11-13637	$19.95
ACK E-04 Standard Remote Cable	11-09971	$16.90
ACK E-04 Hardware Placard Din Plug Audio Alert Cable	11-13639	$15.95
ACK E-04 Mounting Tray Assembly Includes Straps	11-13641	$36.95
ACK E-04 Audio Alert Indicator	11-13643	$34.75
ACK Pointer Antenna Adapter	11-13644	$62.95
ACK E-04 Mini Din Connector	11-13647	$9.95
ACK E-04 Audio Cable	11-13649	$5.95
ACK E-04 Warning Horn	11-13651	$23.95
ACK E-04c Remote Control	11-13652	$439.95
ACK Portable Antenna	11-13653	$19.95

ACCESSORIES FOR E01 ELT

ACK E-01 / E-04 Remote Switch ....P/N 11-05262 .... **$39.85**
ACK E-04 Replacement Battery.......................P/N 11-10012 .. **$157.00**

POINTER ELT 8000 SERIES

The COSPAS/SARSAT search and rescue network will discontinue monitoring the current 121.5/243.0 MHz frequencies as of Feb. 1, 2009. The 121.5/243.0 MHz frequencies will continue to be monitored on a voluntary basis by overflying aircraft and utilized by the current search and rescue organizations. After this date, the COSPAS/SARSAT will monitor only 406 MHz. The 406 MHz aircraft ELT, defined by COSPAS/SARSAT operational specifications, incorporates many new features and improvements for search and rescue.
To comply with the new requirements, Pointer, Inc is pleased to announce the Model 8000 series ELT. The transmitter design incorporates the functional and programming requirements of COSPAS/SARSAT specification CST.001, FAA RTCA DO-204 and TSO-C126. The Pointer ELT Model 8000 series transmits phase modulated aircraft identification data on the 406 MHz frequency to quickly identify an emergency . The unit also transmits 121.5 MHz frequency for airborne and ground search operations. Optional features include factory or field programming of the microprocessor as a separate module and internal GPS. The approval program is in process and have completed COSPAS/SARSAT testing. FAA testing has begun.

Model No.	Description	Part No.	Price
8000-1	New Install	11-07543	$915.00
8000-1P	Complete Pyle Plug	**11-15451**	$1,039.00
8000-1B	Bare Wires Plug	**11-15452**	$1,019.00
8000-1A	AMP Type Plug	**11-15454**	$1,023.00
International Version			
Description		Part No.	Price
Model 8000-1(AF) Complete Unit		11-07545	$915.00

Accessories		
Description	Part No.	Price
Battery Pack	11-07548	$149.95
Mounting Bracket	11-07549	$59.95
Remote Switch	11-07550	$76.75
Remote Antenna 3000-15	11-07551	$108.95
Pointer Remote Antenna Cable	3002	$44.50
Bare Wire Remote Panel Switch Kit	11-15455	$89.00

AV

ELT REPLACEMENT BATTERIES

We now offer the complete line of ELT replacement battery packs. These top quality battery packs are factory new & meet or exceed FAA TSO-C91a and are also Transport Canada approved. Request current price on any ELT replacement battery or ELT, not shown here.
NOTE: ELT Replacement Batteries are non-returnable due to shelf-life.

P/N 11-04758

Application	Part No.	Price
BP-1020 Dorne & M. (2 yr.)	11-17920	$33.50
BP-1045 EBC102/302 (2 yr.) - GS-21	11-17925	$23.75
BP-1035 Garrett R88 (2 yr.)	11-17930	$33.65
Garrett: Rescu/88L or Rescu/88C 2 Year	11-17937	$69.75
BP-1005 Merl/Larago (2 yr.)	11-17935	$43.75
BP-1026 CIR-11	11-17910	$49.90
BP-1030 Pointer (2 yr.)	11-17950	$23.75

Application	Part No.	Price
Narco (2 yr.) (ELT10) BP-1010. Approved for Canadian use.	11-17945	$32.85
BP-1015 Sharc-7 (2 yr.)	11-17955	$28.65
452-0130 Artex 110-4	11-17957	$218.95
EBC 502 - GS-52	11-02577	$63.50
452-3063 ELT-200	11-14935	$139.85
Ultralife Lithium D Cell Battery for AK-451 TSO	11-16278	$21.50
AK-451 Replacement 4 pack Batteries TSO	11-16282	$69.00

EBC 406-SERIES ELT'S

All EBC 406 ELT's have a built-in self test feature that allows the pilot to check 406 power and the antenna-coax connection. Both cabin and tail mount ELT use an external antenna. **Features:** • Operating Freqs: 406.028 MHz and 121.5 MHz • Output Power on 406 MHz: 5W for 24 Hours at -20C • Output Power on 121.5 MHz: 50mW min for 50 Hours at -20C • Operating Temperature: -20C to +55C • Useful Battery Life: 5 Years or 1 Hour of Cumulative Use • Modulation 406 MHz: Biphase L (16KOG1D) • Modulation 121.5 MHz: Swept Tone 1600Hz to 300 Hz, 2-4 • Times/Second • Automatic Activation: Velocity Change of 4.5 feet per Second • Altitude: 50,000 feet • Decompression: 8000 feet to 40,000 feet • High Pressure: -15,000 feet • Humidity: 95% for 50 Hours · Shock Performance: Withstands 500G's on 6 axes · Vibration: Withstands 10 G's · Immersion: Withstands 24 hours in Salt Water • Warranty: 2 Years, Made in the USA.

Model	Description	Part No.	Price
EBC 406AP	For fixed wing aircraft. Includes transmitter, survival antenna, mounting bracket, external whip antenna with cable & battery pack. For cabin/cockpit installation.	11-05917	$1,165.00
EBC 406AF	For fixed wing aircraft. Includes transmitter, survival antenna, mounting bracket, external whip antenna with cable, remote control monitor with connector kit & battery pack. For aircraft tail installation.	11-05918	$1,415.00
EBC 406APH	Same as AP system but with omni-directional helicopter activation system. For helicopter use only.	11-05919	$1,451.00
EBC 406AFH	Same as AF system but with omni-directional helicopter activation system. For helicopter use only.	11-05920	$1,808.00
EBC 406AFH	Same as AF system but with omni-directional helicopter activation system. For helicopter use only. (International Version)	11-10009	$1,808.00
EBC 40 6HM	Cabin mounted tri-frequency ELT (406.028, 121.5 and 243.0 MHz) Non-reflective flat black for night vision equipment contractility. With integral antenna, omni-directional helicopter activation system and battery pack.	11-05921	$1,395.00
EBC-406HM-INT	(International Version)	11-07240	$1,395.00
EBC 406APM	Same as EBC 406AP but finished in non-reflective flat black for night vision equipment compatibility. Tri-frequency signal. Comes with external rod antenna.	11-05922	$2,019.00
EBC 406AFM	Same as EBC 406AF but finished in non-reflective flat black for night vision equipment compatibility. Tri-frequency signal. Comes with external rod antenna.	11-05923	$2,179.00
EBC 406APHM	Same as EBC 406APM but with the addition of an omidirectional helicopter activation system. For cabin mounting. Comes with external rod antenna.	11-05924	$2,086.00
EBC 406AFHM	Same as EBC 406AFM but with the addition of an omidirectional helicopter activation system. For tail mounting. Comes with external rod antenna.	11-05925	$2,336.00

Model	Accessories	Part No.	Price
GS-46	5 year lithium battery pack for any of EBC's 406 ELTs	11-05926	$168.85
BB-12	Mounting bracket for EBC 406AP series ELTs	11-05927	$164.95
BB-12M	Mounting bracket for EBC 406HM, APM and APHM	11-05928	$164.95
BB-14	Mounting bracket for EBC 406AF series ELTs	11-05929	$133.85
RCM-1	Remote Control Monitor for EBC 406AF series ELTs with connector kit	11-05930	$277.95
ANT-406W	External whip antenna for both EBC 406AP and AF series ELTs. Two frequencies	11-05931	$179.95
ANT-406T	Survival tape antenna for all EBC 406 ELTs. Three frequencies.	11-05932	$111.75
ANT-406R	External rod antenna for helicopter or high speed use. For use with three frequencies 406 ELTs.	11-05933	$1,129.00
ANT-406B	Blade antenna for high speed use. Three frequencies	11-05934	$1,700.00
CB-1	6ft. cable between ELT and antenna	11-05935	$57.75
Manual	Operation and Installation Manuals	11-05936	$49.00

KANNAD INTEGRA 406AF ELTS

Weighing in at just 1.873lb and measuring just 6.89 x 3.90 x 3.40 inches the INTEGRA boasts a number of new and innovative features in a very small easy to install package. The INTEGRA transmits on both the international 406MHz satellite search and rescue system and on 121.5MHz for local direction finding. The minimum operating temperature of the unit is -20°C. The internal battery life of the INTEGRA is 6 years.

406 ELT AF U.S.	P/N 11-09325	$974.00
406 ELT AFH (Heli.) U.S.	P/N 11-09327	$1,125.00
USA Rod (up to 350 knots)	P/N 11-09928	$1,261.00
Canada Whip (up to 250 knots)	P/N 11-10016	$1,077.00

KANNAD INTEGRA 406AF-H ELT FOR HELICOPTERS

The new INTEGRA 406 GPS ELT is a major step forward in the development of ELT technology and aircraft safety equipment. The INTEGRA is the only ELT in the world which operates on the international 406MHz satellite search and rescue system and includes an internal GPS and 406MHz antenna, plus an internal battery. As a result of this technological breakthrough the INTEGRA offers the international flying community a number of major benefits over the standard ELT models available on the market today.

USA	P/N 11-09931	$1,515.00
Canada	P/N 11-15264	$1,515.00

KANNAD INTEGRA AP-H THREE FREQUENCY ELT FOR HELICOPTERS

The McMurdo Kannad Integra AP-H is the helicopter-specific version of the 3-frequency commercial aircraft portable McMurdo Kannad Integra AP. It is designed for fixed installation, but can be used as a portable by deploying the supplied portable antenna. The McMurdo Kannad Integra AP-H has all the features of the compact plus GPS and internal 406MHz antenna. Sending a distress message with GPS coordinates enables rescuers to come directly to you, rather than search the area. ....P/N 11-15224 ......$3,437.00

KANNAD AMERI-FIT AMERI-KING RETROFIT ELT

The Kannad Ameri-Fit is a complete Quick & Easy retrofit from Ameri-King to Kannad ELTs, to allow existing Ameri-King ELT owners to keep flying safely. The Ameri-Fit pack includes the Integra AF emergency locator transmitter for fixed-wing aircraft or the Integra AF-H for rotary wing aircraft, a universal mounting bracket, RC103 remote control panel, and DIN12/RJ11 adapter cable and coupler.

Fixed Wing USA	P/N 11-16086	$959.00
Fixed Wing International	P/N 11-16087	$899.95
Rotocraft Wing USA	P/N 11-16088	$895.00
Rotocraft Wing International	P/N 11-16089	$959.95

KANNAD INTEGRA EASY ELTS

It is the world's only ELT equipped with a 406 MHz back-up antenna, which enables the ELT to transmit the 406 MHz distress signal independently from the aircraft, in case the external antenna is broken or damaged. Its embedded GPS improves location accuracy to hundreds meters while avoiding the cost of a GPS interface installation. Save long-term costs with the Integra ELT's 10-year warranty, the longest warranty period in the industry. Trusted partners such as Airbus, Embraer, Honda Jet, Cub Crafters, Robinson Helicopters and others rely on the Kannad Integra ELT. All aircraft. Straight replacement for ARTEX RCPs to ensure easy replacement of your old two frequency ELT.

Description	Part No.	Price
Integra ELT with Whip Antenna	11-14860	$1,083.00
Integra ELT with Rod Antenna	11-14861	$1,245.00
Integra ELT with Whip Antenna(International)	11-14886	$1,184.00
Integra ELT with Rod Antenna (International)	11-14887	$1,346.00
Integra ELT with Whip Antenna(Canada)	11-15242	$1,083.00

KANNAD INTEGRA ARINC E-NAV

Provides a fail safe GPS data acquisition for the INTEGRA ELT system providing redundancy in the system with: 1) Integra internal GPS and 2) Aircraft Onboard GPS acquisition. Compatible with ARINC 429/743 databus. Size 205*100*86mm for the overall ELT system.

Description	Part No.	Price
Kannad Integra Arinc E-NAV	11-12326	$1,956.00
Kannad Integra Arinc E-NAV ELT AP Mnt Bracket	11-12327	$516.00
Kannad Integra Arinc E-NAV ELT AF Mnt Bracket	11-12328	$418.00

10 CONDUCTOR GRAY CODE TEFZEL WIRE

Excellent for carrying gray code information from the encoder to other devices that take gray code input. Instead of running individual 24AWG wirs and running them in a bundle, use this handy all in one, color coded, 10 conductor cable. Sold in 1' increments. ....P/N 11-04479 ....$5.40

KANNAD 406 ELT'S

KANNAD 406 AF-COMPACT ELT KIT - Designed for all light aircraft requiring a very compact automatic fixed ELT that is fully FAA TSO-C126 approved. The robust and reliable shock sensor will automatically activate the ELT in the event of a crash, the pilot can also manually activate the ELT in case of emergency. Features: * Ultra small size and light weight ideal for any general aviation aircraft. * Six year lithium manganese battery. * Complete kit with install manual.. * Two frequency transmitter (121.5 / 406 MHz) * Weight (Including batteries): 1.87 lbs

ELT Only	Price	W/ Whip Antenna	Price	With Rod Antenna	Price
USA	11-05786	$880.00	11-09525	$1,085.00	11-09526	$1,270.00
Canada	11-05786	$880.00	11-09670	$1,085.00	11-09671	$1,270.00
International	11-06314	$1,007.00	11-09527	$1,085.00	11-09528	$1,270.00

KANNAD 406 AF - Designed to be installed near the tail and to be connected to an outside antenna. A sophisticated "shock sensor" system will activate the ELT automatically in the event of a crash. Its small size and light weight make it ideal for general aviation. The "Mounting Bracket, 1 Strap" is not included. Features: * Optional Navigation Interface transmits GPS coordinates significantly shortening Search and Rescue response time. * Operates without aircraft power and incorporates an internal alarm/buzzer avoiding costly installation procedures. * Six year lithium manganese battery. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight: (Including batteries) 2.44 lbs (1110 g) / max 2.60 lbs (1180g).. P/N 11-06285 ....**$2,805.00**
406 AF ELT International......................P/N 11-06987 ....**$2,910.00**
406AF Compact Inspection Kit..............P/N 11-08063 ....**$63.90**

KANNAD 406 AF-H - Can be installed on board helicopter in flat position Features: * Optional Navigation Interface transmits GPS coordinates significantly shortening Search and Rescue response time. * Operates without aircraft power and incorporates an internal alarm/buzzer avoiding costly installation procedures. * Six year lithium manganese battery. * Rod (ANT300) or Blade (ANT650) ELT antennas sold separately. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight: (Including batteries) 2.44 lbs (1110 g) / max 2.60 lbs (1180g)........P/N 11-05790 ....**$2,867.00**
406 AF-H ELT International....................P/N 11-07559 ....**$2,867.00**

KANNAD 406 AS - The KANNAD 406 AS is a aeronautical survival beacon. Fits easily inside a liferaft. It is supplied with a floating collar. Features: * Battery replacement is only every 6 years. * Precise pinpointing (<1NM) due to the unparalleled frequency accuracy of the 406 transmitter. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight (including battery, auxiliary antenna and floating collar) 2.53 lbs (1150 g) ....P/N 11-05787 ....**$2,866.00**
Wall Mount Bracket ....P/N 11-07718 ....**$247.95**
Replacement Pin for Wall Mount...........P/N 11-07719 ....**$85.00**

KANNAD 406 SURVIVAL - Fitted with a water switch sensor. It is automatically activated when in contact with water. Emergency locator transmitter of type (S), the survival is supplied with a floating collar. Features: * Six year lithium battery. * Includes water sensor switch and is automatically activated when in water. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight: (including battery, auxiliary antenna and floating collar) 3.031 lbs (1375 g) ....P/N 11-06287 ....**$2,714.00**

KANNAD 406 AP - Installed near the tail and connected to an outside antenna. A sophisticated "shock sensor" system will activate the ELT automatically in the event of a crash. When removed from the bracket and connected to the auxiliary antenna, the Kannad 406 AP becomes an autonomous survival beacon operating on 3 frequencies (121,5/243/406 MHz). Features: Operates without aircraft power and incorporates an internal alarm/buzzer * Six year lithium manganese battery. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight: (With battery, bracket, and auxiliary antenna) 2.84 lbs (1290 g) ......P/N 11-06284 ....**$2,735.00**
406 AP ELT International ....P/N 11-07558 ....**$2,953.00**

KANNAD 406 AP-H - Installed on board helicopter in a flat position. When removed from its bracket and connected to the auxiliary antenna, the Kannad 406 AP-H becomes an autonomous survival beacon operaing on 3 frequencies. (121.5/243.0/406 MHz). The "Mounting Bracket, 1 Strap" is not included. Features: * Ultra small size and light weight ideal for any helicopter installation. * Optional Navigation Interface transmits GPS coordinates. * Operates without aircraft power and incorporates an internal alarm/ buzzer. * Six year lithium manganese battery. * Three frequency transmitter (121.5 / 243 / 406 MHz) * Weight: (With battery, bracket, and auxiliary antenna) 2.84 lbs (1290 g) ......P/N 11-05788 ....**$3,214.00**
406 AP-H ELT International...................P/N 11-07557 ....**$3,202.00**

KANNAD 406 AF (6D) - Designed to be installed near the tail and to be connected to an outside antenna. A sophisticated 6 way "shock sensor" system will activate the ELT automatically in the event of a crash. Its small size and light weight makes it ideal for any helicopter. The "Mounting Bracket, 1 Strap" is not included. Features: * Automatic Fixed ELT * Specifically designed for aircraft or helicopters * Fitted with 6 G-switches * Three frequency transmitter (121,5 / 243,0 / 406 MHz) * 6 year battery life-time * Short circuit protection * Weight: 1260 gr (max)   P/N 11-05786 ....**$880.00**

KANNAD ANTENNAS

ANT100 - AUXILIARY ANTENNA (BNC) - Auxilary Whip antenna. Turns any Kannad ELT into a portable survival unit. Stores under the velcro strap of the mounting tray.   P/N 11-06288 ....**$266.95**
ANT650 - BLADE ANTENNA - Developed by RAYAN. Three frequency antenna (121.5 / 243 / 406 MHz) High performance low profile outside antenna designed for Corporate jets and airliners **Applications**: AF, AF-H, AS, AS-H * "High Speed" Aircraft * JTSO and TSO
P/N 11-06294 ....**$2,898.00**

KANNAD ACCESSORIES

NEMA INTEGRA E-NAV - Provides back-up GPS position data taken from the aircraft's own panel mounted GPS P/N 11-10751 ....**$469.00**
BAT200 BATTERY REPLACEMENT - 6-year battery replacement kit for the 406AF compact or Integra ELTs. Includes 2 cell battery pack, replacement O-ring, desiccant pack and replacement self locking nuts. **Attention: This Replacement Battery is 2-cell and will ONLY work with the 406-AF Compact unit.**
BAT-200 ....P/N 11-06297 ....**$310.00**
BAT300 BATTERY REPLACEMENT - For Kannad 406 ELTs. Comes with 3 cell battery pack, replacement o-ring, desiccant pack and replacement self locking nuts. **Attention: This Replacement Battery is for the 406 AF, AF-H, AP, AP-H, AS, SURVIVAL series ONLY & will NOT work with the "AF-Compact", see Alternate Items for the Compact Replacement.**.............................P/N 11-06296 ....**$977.00**
RC102 - REMOTE CONTROL - Replacement control panel for ACK, AMERIKING plus Narco two wire switches and challenging locations . Front panel included in RC102 & RC100 ....P/N 11-07901 ....**$211.95**
RC200 - REMOTE CONTROL - Outline Dimensions: 1.3 x 1.97 x 1.69 in (33 x 50 x 43 mm). 3-position red switch (ON, ARMED, TEST/RESET). D-SUB 9 pin connector with threaded locking device (UNC 4-40) .The Kit includes mating SUB-D9 connector for easier installation. **Applications**: AF- Compact, AF, AF-H, AP, AP-H **Switch is not waterproof. Cannot be installed flat.** ....P/N 11-06302 ....**$136.90**
DIN12 CONNECTOR - For connection to Remote Control Panel, CSI44 interface module, dongle or programming equipment. **Compatible** with all KANNAD 406 ELTs...............................P/N 11-06303 ....**$39.95**
MOUNTING BRACKET 1 STRAP- Designed to fix the ELT with a retaining strap for quick removal in an emergency Qualified to maintain the ELT into place during 500 G shocks for 4 ms. **Applications**: AF, AF-H, AP, AP-H...P/N 11-06301 ....**$111.75**
UNIVERSAL COMPACT MOUNTING BRACKET - Compatible with the drilling on all 121.5 Mhz beacons. ....P/N 11-07900 ....**$85.75**
PROGRAMMING DONGLE, ASSY - Din 12 connector with serial memory module (SMM) for programming operations. Fitted with a female DIN12 connector on RCP side. **Compatible** with all KANNAD 406 ELTs
P/N 11-06304 ....**$306.00**
KANNAD PROGRAMMING DONGLE - Identical to the DIN12 that is used to store aircraft programming information. Allows fleet operators to move any ELT to any other aircraft. The stored aircraft data will be automatically downloaded into the ELT. Required for Navigation Interface connection.
USA ....P/N 11-07088 ....**$260.95**
International...P/N 11-13562 ....**$226.95**
KANNAD PROGRAMMING DONGLE INT - Can be use with the following Kannad ELT models: (AF-COMPACT, AF, AF-H, AP, AP-H, AS, SURVIVAL)...P/N 11-06990 ....**$299.95**
KANNAD PROGRAMMING DONGLE INTEGRA/SA
P/N 11-12330 ....**$781.00**
KANNAD PROGRAMMING DONGLE INTEGRA LONG RANGE
P/N 11-12331 ....**$674.00**
KANNAD 406 PR600 ELT PROGRAMMING TRAINER - Replaces the former PR550 Programming Equipment kit. P/N 11-07102 ......**$2,915.00**
KANNAD 406 AS CARRY OFF BAG.............P/N 11-07716 ....**$278.95**
KANNAD 406 AS CARRY OFF BAG SHORT ..P/N 11-07717 ....**$278.95**
KANNAD 406 AS MOUNTING BRACKET ....P/N 11-07718 ....**$247.95**
AF COMPACT INSPECTION KIT.................P/N 11-08063 ....**$63.90**
KANNAD 406 AS LOCKING PIN.................P/N 11-07719 ....**$85.00**
KANNAD 406 ACK RETRO-FIT INSTALLATION KIT - Contains everything you need to ensure a simple swap-over. ....P/N 11-10007 ....**$230.95**
KANNAD AMERI-KING RETRO-FIT INSTALLATION KIT - Contains everything you need to ensure a simple swap-over
P/N 11-10008 ....**$230.95**

AV

ARTEX ME406 ELT

The Artex ME-406 is a single output ELT. Two emergency frequencies (121.5 and 406.028 MHz) utilize the same RF output, requiring only one coax cable to connect to the new series of Artex single input antennas. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 MHz. Every 50 seconds for 440 milliseconds the 406 MHz transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. The mounting hardware for the ME-406 Series is compatible with all previous models of Artex 406 MHz, as well as the ELT200 Series, ACK, Pointer Model 3000 ELT and Narco ELT's. Current owners of Artex 2-frequency ELT can re-use the remote switch in the cockpit as well as the wiring harness from the cockpit to the ELT thus greatly reducing installation costs.

USA PROGRAMMED ELTS			
Artex No.	Part No.	Description	Price
ME406	11-03492	Artex ME406 ELT w/ whip antenna.	$1,399.00
ME406	11-03493	Artex ME406 ELT w/ rod antenna.	$1,943.00
ME406	11-14462	Artex ME406 ELT w/ Portable antenna.	$1,940.00

INTERNATIONAL PROGRAMMED ELTS			
Artex No.	Part No.	Description	Price
ME406	11-04652	Artex ME406 ELT w/ whip antenna. Can be programmed for international registered aircraft (Specify when ordering).	$1,399.00
ME406	11-06370	Artex ME406 ELT w/ rod antenna. Can be programmed for international registered aircraft (Specify when ordering).	$1,911.00

ACCESSORIES		
Description	Part No.	Price
ME406 ELT Transmitter/Battery Box Only	11-14187	$990.00
Artex ME406 whip antenna	11-06978	$348.00
Artex ME 406 Rod Antenna	11-08597	$855.00
5-Conductor AWG 22 Shielded Wiring for ELT to Remote Switch Installation. Recommended by Artex. Per Ft.	11-06580	$2.30
Artex ME406 Replacement Battery Kit	11-05277	$188.75
Artex ME406 Mounting Tray	11-07191	$49.50
Artex NAV Remote Switch Kit	11-08542	$135.75

ARTEX ME406 HM ELT

The Artex ME-406 HM is a single output ELT. Two emergency frequencies (121.5 and 406.028 MHz) utilize the same RF output, requiring only one coax cable to connect to the new series of Artex single input antennas. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 MHz. Every 50 seconds for 440 milliseconds the 406 MHz transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. The mounting hardware for the ME-406 Series is compatible with all previous models of Artex 406 MHz, as well as the ELT200 Series, ACK, Pointer Model 3000 ELT and Narco ELT's. Current owners of Artex 2-frequency ELT can re-use the remote switch in the cockpit as well as the wiring harness from the cockpit to the ELT thus greatly reducing installation costs.

USA PROGRAMMED ELTS			
Artex No.	Part No.	Description	Price
ME406 HM	11-04966	Artex ME406 HM ELT w/ rod antenna.	$2,484.00

INTERNATIONAL PROGRAMMED ELTS			
Artex No.	Part No.	Description	Price
ME406 HM	11-05670	Artex MA406 HM ELT w/ rod antenna. Can be programmed for international registered aircraft (specify when ordering).	$2,308.00

ACCESSORIES		
Description	Part No.	Price
5-Conductor AWG 22 Shielded Wiring for ELT to Remote Switch Installation. Recommended by Artex. Per Ft.	11-06580	$2.30
Artex ME406 replacement battery kit	11-05277	$188.75

ARTEX ME406/P ELT

Uses the proven technology of the ME406 and attaching a removable wrap-around auxilliary flex antenna. Allows the disconnection of the ELT from the installed aerial antenna, removal of the transmitter from a downed aircraft and after attaching the flexible antenna the distress call is again transmitted with full signal strength. Although Search and Rescue authoritiese recommend to remain in close proximity to the aircraft, using the ME406/P in it's portable version enables to wait for the Search and Rescue crews in areas sheltered better from the environment.

USA Programmed ....P/N 11-05671 ..... **$2,809.00**
International Programed..............................P/N 11-06985 ..... **$2,756.00**
Portable Antenna for ME406P ....P/N 11-16244 .... **$173.00**

ARTEX C406 ELT

Operates on the latest SAR frequency of 406.025 MHz & 121.5 243 MHz. Ready to connect to the Artex ELT NAV interface. Includes ELT transmitter, LiMnO2 5-year battery pack, mounting bracket, remote switch, horn/buzzer, coax cables, high speed blade antenna, installation hardware, and installation and operation manual. The C406-1 is approved for aircraft operating speeds up to Mach 1, and C406-2 is approved for speeds up to 350 knots. COSPAS/SARSAT, FAA TSO C126 & JTSO-2C126 Approved.

C406-1 ELT with 110-340 Blade Ant. U.S. ...P/N 11-02984 ... **$4,102.00**
C406-1 ELT with 110-340 Blade Ant. Intl......P/N 11-09320 ... **$4,102.00**
CC2 ELT with Rod Antenna..........................P/N 11-02985 ... **$3,762.00**

EMERGING LIFESAVING TECHNOLOGIES 406 ELTS WITH INTERNAL GPS.

Along with the 406MHz emergency signal, Copas/ Sarsat satellites will read your specific GPS location during a crash. The GPS automatically updates every 15 seconds and upon activation bursts a 5 watt signal within 25 meters every 50 seconds to the Global Satellite System. Search and Rescue will be notified of your location within minutes. The ELT406GPS mounts with most standard ELT configurations from previous manufacturers. GPS data comes from the internal module in the ELT- 406GPS. There is no need to install expensive interface modules and retrieve GPS information from existing systems. The antenna houses both 406 MHz and GPS passive antenna in a sleek blade configuration. A replaceable 5 year battery pack is easily installed by the owner/operator. • Battery: 5-Year Lithium (LiMn02). • Weight: ELT Transmitter - 2.5 lbs Mounting Tray - 0.3 lbs. • Total Weight: 2.8 lbs. • Dimensions: 7.715" L x 3.660" H x 4.200"

In the Box: • ELT • Coax Cables • Antenna • Remote Switch • Install Kit.

Description	Part No.	Price
E.L.T. 406 Helicopter 6G with internal GPS USA	11-08150	$1,279.00
E.L.T. 406 Helicopter 6G w/ internal GPS Intl.	11-08457	$1,279.00
Accessories	Part No.	Price
8-Conductor Shilded Wire, 22 Gauge	11-09782	$2.90
E.L.T. 406 ELT Battery Pack	11-08152	$212.50
Universal Mounting Tray	11-08153	$63.75
406 GPS Dual Mid Speed Antenna. 250 KTAS at 35k feet	11-08155	$339.15
406 GPS Dual High Speed Antenna. 600 KTAS at 50K feet	11-08156	$594.15
Remote switch with Aural Alert	11-08164	$84.15
GPS Coaxial Cable SMA to SMA	11-08160	$33.15
Antenna Install Kit: Mounting Template, 8 Washers, 8 nuts	11-08163	$18.50
ELT Install Kit	11-08162	$63.75

ARTEX 406 MHZ ELTS 1000

The ARTEX ELT 1000 is a value-priced upgrade to standard 121.5 MHz transmitters, which are no longer monitored by the Cospas-Sarsat system. The 406 MHz transmitter produces a much more accurate position, typically 3 kilometers as compared with 15 to 20 kilometers for 121.5 MHz transmitters. When coupled to the aircraft navigation system via a navigation interface, the ELT 1000's accuracy improves to approximately 100 meters.

Description	Part No.	Price
406 Mhz ELT 1000 Base Pack W/o Antenna Usa	11-13018	$857.00
406 Mhz ELT 1000 Base Pack W/ Whip Antenna Usa	11-13020	$1,075.00
406 Mhz ELT 1000 Base Pack W/ Whip Antenna Int	11-13021	$1,025.00
406 Mhz ELT 1000 Base Pack W/ Rod Antenna Usa	11-13022	$1,609.00
406 Mhz ELT 1000 Base Pack W/ Rod Antenna Int	11-13023	$1,608.00
ELT 1000 Ace Base Pack W/ Whip Antenna Usa	11-13024	$1,275.00
ELT 1000 Ace Base Pack W/ Whip Antenna Int	11-13025	$1,275.00
ELT 1000 Ace Base Pack W/ Rod Antenna Usa	11-13026	$1,349.00
ELT 1000 Ace Base Pack W/ Rod Antenna Int	11-13027	$1,335.00
ELT 1000 Replacement Battery	11-13028	$197.85
ELT 1000 Replacement Mounting Strap And Tray	11-13029	$50.50
ELT 1000 Replacement 2 Wire Remote Switch	11-13030	$115.90
ELT 1000 Dual Band Rod Antenna	11-13031	$485.00

ARTEX REPLACEMENT BATTERY ELT 110-6

Battery Pack - 110-6, 100 HM. Artex 110-6, ELT 100 HM, 2-year Alkaline Pack. TSO C91a Approval.
P/N 11-17958 .... **$194.00**

ARTEX 2-WIRE REMOTE INTERFACE SYSTEM

This product allows an upgrade to an Artex 5-Wire 406 MHz ELT using an existing 2-wire configuration. The 2-Wire Remote Interface allows two wires from the existing wiring harness to connect the cockpit remote switch to the ELT for simplified, cost-efficient installation.
P/N 11-07776 .... **$1,305.00**

ARTEX ACCESSORIES

ARTEX WIRE WHIP ANTENNA - Black whip antenna with inductor. For use with 121.5 and 243 MHz. Designed for speeds up to 200 knots TAS.
P/N 110-324.................. **$92.75**

ARTEX BNC CABLE - 15 ft female BNC to BNC coax cable for use with 406 ELT series.
P/N 11-08130.............. **$101.75**

ARTEX ELT 345

The ELT 345 boasts an industry low price for an ELT providing the same quality and performance on which the ARTEX brand was built. GPS data is embedded within the first emergency transmission and provides Search and Rescue personnel with the aircraft location, within 100 meters, in less than a minute. Transmits on 406 MHz and 121.5 MHz frequencies while providing position accuracy thanks to the built-in GPS navigational interface. GPS data is embedded within the first emergency transmission and provides Search and Rescue personnel with the aircraft location, within 100 meters, in less than a minute. FAA approved.

USA..P/N 11-13989 ....**$529.00**

ARTEX ELT 4000 GPS / 406 / 121.5

The ARTEX ELT 4000 is a transport-grade Emergency Locator Transmitter (ELT) that utilizes alkaline batteries. This innovative power source means that the ELT 4000 is completely exempt from FAA special condition requirements. ARTEX ELT 4000 cost of ownership benefits include a lower battery expense per cycle, no hazmat shipping and easy disposal. An integrated NAV interface (ARINC429) omits the requirement and expense of installing a separate NAV interface unit. The ARTEX ELT 4000 provides a quick-and-easy retrofit opportunity with flexible installation options such as a two-wire remote switch that does not require any aircraft power. ELT 4000 is TSO approved with Legacy Switch and Antenna Systems to facilitate retrofit. The mounting tray assembly matches the legacy ARTEX C and B Series ELT installation and thereby further reduces engineering costs.

Base Pack ....P/N 11-16253 ......**$3,874.00**
With Alkaline Battery Only...........................P/N 11-16255 ......**$3,280.00**
With Blade Antenna/Remote ....P/N 11-16257 ......**$5,324.00**

ACR AQUALINK PLB

The AquaLink™ broadcasts a unique registered distress signal that not only tells rescuers where you are, but who you are. The onboard GPS can fix your position to within 100 meters and then utilizes a powerful 406 MHz signal to relay your distress call to orbiting satellites. As local Search and Rescue is deployed, a separate homing signal and integrated LED strobe light guide rescuers to your exact location.

USA ....P/N 11-09693 ....**$360.00**
Canada ....P/N 11-10404 ....**$359.00**

ACR AQUALINK VIEW

The AquaLink™ View broadcasts a unique registered distress signal that not only tells rescuers where you are, but who you are. The onboard GPS can fix your position to within 100 meters and then utilizes a powerful 406 MHz signal to relay your distress call to orbiting satellites. As local Search and Rescue is deployed, a separate homing signal and integrated LED strobe light guide rescuers to your exact location. Features: 3 levels of integrated signal technology — internal GPS, powerful 406 MHz satellite signal and 121.5 MHz homing beacon Super bright integrated strobe. No float pouch required – Self Buoyant. Allows for multiple testing/display of GPS coordinates. Typical Performance 35 Hours. On Board 66 Channel GPS Reflective Keypad. Made in the U.S.A

USA ....P/N 11-09241 ....**$430.00**
Canada ....P/N 11-10405 ....**$425.00**

ACR RESQLINK 406 PLB WITH GPS

At 4.6 oz, the ResQLink™ weighs less than a couple of energy bars. And topping just 3.9 inches, it's smaller than the cell phone in your pocket. Full-powered, GPS-enabled rescue beacon designed for anglers, pilots and back country sportsmen. With three levels of integrated signal technology - GPS positioning, a powerful 406 MHz signal, and 121.5 MHz homing capability - the ResQLink™ quickly and accurately relays your position to a worldwide network of search and rescue satellites. A built-in strobe light provides visibility during night rescues.

Usa Version ....P/N 11-10005 ....**$289.95**
Canada Version ....P/N 11-11357 ....**$288.95**

ACR RESQLINK PLUS BUOYANT PLB-375

At 5.4 oz and topping just 4.5 inches, the ResQLink+ is the smallest buoyant Personal Locator Beacon available today. Small enough to easily be carried in a pocket, clipped to a backpack or stored inside an inflatable life jacket. With three levels of integrated signal technology - GPS positioning, a powerful 406 MHz signal, and 121.5 MHz homing capability - the ResQLink+™ quickly and accurately relays your position to a worldwide network of search and rescue satellites. A built-in strobe light provides visibility during night rescues.

P/N 11-10825 ....**$289.95**

ACR RESQLINK™ 400 BUOYANT PLBS

Small but resilient, the ResQLink 400 has been professionally engineered and tested to ensure it can withstand even the harshest elements. This buoyant Personal Locator Beacon requires no subscription for use and can be utilized to enhance your safety in a wide variety of environments. Whether on land, at sea, or in the air, trust that the ResQLink's satellite precision and military durability, puts rescue in the palm of your hands.

Resqlink™ 400 Buoyant PLB ....P/N 11-17215 ....**$299.95**
Resqlink™ View Buoyant PLB ...P/N 11-17216 ....**$349.95**

BENDIX KING AEROWAVE TEXT & TRACK

AeroWave Text and Track is a compact and robust two-way texting, global tracking, SOS, and text weather device. It is the ideal solution for industrial, enterprise, maritime, aviation, and security environments where remote workforces and individuals need robust and reliable communication. The Personal Tracker's 2-way messaging and tracking capabilities offer peace of mind in a portable design. ....P/N 11-16289 ....**$399.95**

MCMURDO FASTFIND 220 PLB WITH GPS USA

The FAST FIND 220A PLB is a simple, lightweight, and floatable distress beacon that comes with a buoyancy pouch. This device relies on the 406 MHz frequency to transmit the user's unique ID and precise GPS location to the global satellite network. Within minutes search and rescue services (SAR) are alerted and continue to receive regular position updates. Once within range, rescuers can then home in on the beacon's second signal, a 121.5 MHz transmission, and find the user..............................P/N 11-11997 ....**$259.95**

ARTEX PLB

The ARTEX PLB features an industry-leading small size and lightweight design—easily fitting into a pocket or life vest without impeding activity and taking up minimal space—ensuring it is readily accessible in an emergency. Effortlessly operated with one hand even under the most challenging conditions, the ARTEX PLB is activated by extending the antenna and flipping up the spring-loaded protective cover, designed to prevent unintentional activation, and then pressing the ON button. The ARTEX PLB (8110) features a unique mounting clip, flotation pouch, and lanyard. ....P/N 11-16306 ....**$269.00**

FASTFIND PLUS 406 PLB WITH BUILT-IN GPS

Features a built-in GPS receiver combined with a 406 MHz transmitter and 121.5 MHz homing signal. In the event of an emergency, an alert signal is transmitted to COSPAS-SARSAT satellites and forwarded to a rescue coordination center within typically 3 minutes. **NOT APPROVED FOR USE IN AUSTRALIA & NEW ZEALAND**

P/N 11-02256 ....**$533.00**

SPOT 3 SATELLITE GPS MESSENGER

SPOT Gen3 - The latest in the line of SPOT rugged satellite GPS messengers, the SPOT Gen3 keeps you connected even when you're off-the-grid. Using the power of satellite technology SPOT works virtually anywhere in the world. Check in with your personal and professional networks, send custom messages and let others track your location in real-time via Google Maps™. In an emergency, transmit an SOS with your location to GEOS International Emergency Response Coordination Center. Key Differences: SPOT 3 vs SPOT 2: Longer battery life - more reliable, Smaller size - easier to travel with, Internal vibration sensor to only send tracking messages while moving - more efficient, Vibration sensor also enables us to provide the new Unlimited Tracking service - ability to transmit indefinitely, New Movement Messaging - theft alerting capability, Variable rates in Track Mode (30 min, 15, 10, 5, 2) - more customizable, and much more...P/N 11-11503 ....**$149.95**

SPOT TRACE THEFT-ALERT TRACKING DEVICE

Using 100% satellite technology, SPOT Trace tracks your most valuable assets beyond the reach of cellular coverage, using your smart phone or computer. With SPOT Trace, receive text/email messages when movement is detected and select from 2 ½, 5, 10, 30 or 60 minute tracking intervals. SPOT Trace includes: multiple mounting and power options (including rechargeable batteries and line power) and a compact, durable, lightweight design. SPOT Trace is waterproof rated IPX7 and includes a dock mode option that is designed specifically for monitoring assets typically stored on the water. Affordable and easy to use, SPOT Trace is the ultimate theft-alert tracking device for your aircraft, watercrafts, automobiles, and other valuables.

P/N 11-12224 ....**$99.95**

SPOT X 2-WAY SATELLITE MESSENGER

SPOT X provides 2-way satellite messaging so you can stay connected to family, friends, and colleagues whenever you're outside of cellular range, including direct communication with Search & Rescue services in case of life-threatening emergency. SPOT X even provides you with your own personal mobile U.S. number so others can message you directly from their cell phone or other SMS devices at any time. ....P/N 11-16361 ....**$249.99**

RESCUEME PLB1 PERSONAL LOCATOR BEACON

The rescueMe PLB1 can be operated with a single hand in even the most challenging situations. There are NO CHARGES to use the service. When activated the rescueMe PLB1 transmits your position and your ID to a Rescue Coordination Center.

USA ....P/N 13-15036 ....**$299.95**
Canada ....P/N 13-15492 ....**$278.95**
Replacement Battery ....P/N 13-20227 ....**$74.92**

AV

Prices Subject to Change Without Notice

SHADIN AMS 2000 ALTITUDE MANAGEMENT AND ALERT SYSTEM

With a range of feature previously unavailable in general aviation, the Shadin Avionics AMS-2000 Altitude Management and Alert System brings advanced instrumentation to new levels of function and affordability. The Shadin Avionics AMS-2000 uses information from Mode-C altitude encoder to deliver: •Time-based Altitude Alerting, rather than fixed altitude buffers. •Automatic calculation and display of Density Altitude. • Real-time display of IVS without the inherent lag of your aircraft's static system. •Calculation and display of Aircraft and Engine Performance • Percentage, at your demand. • Made in the U.S.A., the AMS-2000 features a 12-month warranty.

The AMS-2000 coupled with the Falcon Altitude Encoder provides all advanced altitude alert functions previously noted, plus the following high-resolution altitude management functions: • Time-based level-off warning sounded and displayed 15 seconds from target altitude--smooth capture is assured regardless of climb or descent rate. • Digital display of altitude from -1000 to +62,000 feet in high resolution, 10-foot increments. • Digital reading of Instantaneous Vertical Speed (IVS). • Deviation envelope is adjustable in 10 foot increments

P/N 10-03711 ..... **$3,573.00**
Falcon Altitude Encoder ....P/N 11-12035 ..... **$1,699.00**

STRIKEFINDER® DIGITAL WEATHER AVOIDANCE SYSTEM

Detects and analyzes the electrical activity emanating from thunderstorms within a 200 nautical mile (nm) radius of the aircraft. A unique graphic display plots an accurate, reliable and easily-interpreted picture of electrical activity, that you can use to circumnavigate the hazards associated with thunderstorms. Determines the bearing, range and severity of the activity. Strike data is plotted on the display as single orange dots by range and azimuth, in relation to the aircraft symbol ("heads up"). Must be installed by Advantage Avionics or another approved StrikeFinder dealer except for experimental aircraft.

Description	Part No.	Price
Strike Finder Standard System	11-00348	$3,589.00
Strike Finder with LED Round Display	11-11283	$3,580.00
Strike Finder with LED 3ATI Display and Clamp	11-11285	$3,699.00
Strike Finder with LED Round Display with Gyro	11-11286	$4,375.00
Strike Finder with LED 3ATI Display with Gyro	11-11287	$4,375.00
Strike Finder with LED 3ATI Display with Gyro & Clamp	11-11288	$4,489.00
Strike Finder Upgrade	11-00349	$1,195.00
Strike Finder with Round Display Unit Only	11-14921	$2,624.75
Strike Finder System with Round Display	11-16513	$5,876.00
Strike Finder Display 3ATI Hole Rear Mount Unit Only	11-14922	$2,624.75
Strike Finder Display 3ATI Front Mount Unit Only	11-14923	$2,624.75
Strike Finder with 3ATI for Front Mount	11-16514	$6,005.00
Sensor Unit with Mounting Kit	11-14924	$1,749.75
Jet Systems Strike Finder System with 3ATI Display	11-16509	$5,875.00
Gyro Heading Stablization Unit Upgrade Only	11-14926	$1,312.75
Additional Harness Cable 4ft Increments	10-06715	$12.95
Display Connector Kit Only	10-06717	$24.75
Sensor Mounting Kit Only	10-06718	$24.75
Sensor For Garmin /Apollo- Spine Mount B Format	10-06719	$695.00
Garmin/Apollo Sensor- Fire Wall Mount Z Format	10-06720	$695.00
Garmin/Apollo - Inline Mount - Z Format	10-06721	$695.00
Sensor For Bendix King - Spine Mount- B Format	10-06722	$695.00
Sensor For Bendix King - Fire Wall Mount - B Format	10-06723	$695.00
Sensor For Bendix King - Inline Mount - B Format	10-06724	$700.00

PROXALERT R5 - COLLISION AVOIDANCE SYSTEM

The R5 is a passive collision avoidance system. It detects transponder replies of aircraft flying in your vicinity and displays simultaneously both squawk code, altitude, vertical trend and estimated distance of the 3 closest threats. The R5 will increase your ability to visually locate threat aircraft and better apply the FAA 'See and Avoid' concept. The R5 has been designed to be very robust against interference coming from DME equipment and other sources of disturbance. Offers significant operational improvements over previous generation products at a very attractive price. The R5 comes with a 3 year manufacturer warranty.

P/N 11-02782 ....**$779.00**

SPIDER S6 PORTABLE GLOBAL TRACKING SOLUTION

The next small thing in aircraft tracking. The Spider S6 is for any operator who wants to know more than just where an aircraft is. With the Spider S6, you can find out how an aircraft is being flown. Portable, Iridium Satellite Network, SOS, Actively Watch the aircraft, Mark Button & Notifications, Geofence, Spidertracks AFF/API, and Altitude Events.

P/N 11-13791 ......**$1,495.00**

INSIGHT TAS 1000 AIR DATA COMPUTER WITH WINDICATOR

Today's modern avionics integrate many functions with your GPS, but standard installations leave many important features untapped. The TAS 1000 Multi-Function Data Source was specifically designed to supply all the information needed to fill in the missing pieces of your GPS or MFD display in real-time. TAS 1000 provides the pilot with a wealth of useful information all based on real time measurements of airspeed, altitude, temperature, fuel flow, heading, ground speed and track. Designed to interface with many brands of GPS, TAS 1000 unlock many previously hidden data pages in most GPS navigators, In addition to TAS 1000s in flight advisory function, TAS 1000 can also serve as a backup altimeter, airspeed indicator or fuel flow meter. The TAS 1000 is designed for use in any piston, turboprop, or jet aircraft and provides a full compliment of features when interfaced to a slaved compass system or HSI, fuel transducers, and compatible GPS system. TAS 1000 will deliver a useful subset of features even if all the interfaces are not available.

The Windicator is an integral part of the TAS1000 system. It presents a previously unavailable graphical display of the winds aloft in real time. The Windicator information alone is so useful that it makes the TAS 1000 installation worthwhile. TAS 1000 system options include an altitude encoder to provide altitude information to a transponder or GPS unit as well as alerting the pilot with overspeed, altitude, approach & altitude difference alerts.

MUST BE DEALER INSTALLED.

Part No.	Insight No.	Description	Price
11-00626	1000-001-P	TAS1000 Sys. for Piston Engine Aircraft (Incl. 1 Windicator) 18,000ft. Alt- 250kt max. Front Mount.	$2,850.00
11-00627	1000-001-T	TAS1000 for turbo-charged Piston & Turboprop aircraft (Incl.1 Windicator) 55,000ft. Alt-500kt max.	$4,275.00
11-11535	1000-002-B	Windicator (replacement) Rear Mount.	$725.00
11-00629	1000-003	Expansion Module (Alt. encoder, Alt. Serializer, & Overspeed warn.)	$495.00
Fuel Injection - Fuel flow smart sensors for Piston Engine aircraft			
11-00630	1000-004-1	Spine Mount, 201, Fuel Injected	$475.00
11-10414	1000-004-4	Spine Mount, 231, Gravity Fed	$515.00
11-10412	1000-004-2	Firewall Mount, 201, Fuel Injected	$475.00
11-10415	1000-004-5	Firewall Mount, 231, Gravity Fed	$515.00
11-10413	1000-004-3	Inline Mount, 201, Fuel Injected	$475.00
11-10416	1000-004-6	Inline Mount, 231, Gravity Fed	$515.00

DYNON

DYNON EFIS-D10A

Dynon's EFIS-D10A is a full-featured Electronic Flight Information System in a small package. This instrument fits into a standard 3-1/8" panel hole, making it an ideal candidate for replacing vacuum and electric attitude indicators. In addition to a full complement of flight instruments, the EFIS-D10A also has a built-in HSI and autopilot capability. EFIS-D10A features and options: • Sunlight-readable, 4" color display with full dimming control • Attitude Indicator, Heading, Altimeter, ASI, VSI, Turn Coordinator / Slip/Skid Ball, HSI, OAT, TAS, Angle of Attack, Voltmeter • Altitude encoder output • Dual-axis autopilot • Backup battery • 25 User-defined checklists • Dynon three-year factory limited warranty. This EFIS-D10 is now a STC'd replacement for Attitude Gyros in some Cessna & Piper Aircraft. **EFIS-D10A Instrument** (with out battery).......................P/N 10-00844 .... **$2,195.00**
EFIS-D10A EAA Kit..P/N 10-06242 .... **$2,495.00**

EFIS-D10A OPTIONS

Description	Part No.	Price
Internal Li-Ion Backup Battery	10-00755	$130.00
Remote Compass (EDC-D10A)	10-01046	$100.00
OAT Probe (requires EDC-D10A)	10-01823	$65.00
Mounting Bracket for AOA Pitot Tube	10-06246	$95.00
D10 Flush Mount Bracket	10-00757	$20.00
Optional AP74 Vertical	10-03565	$435.00
Optional AP74 Horizontal	10-03566	$435.00
AOA/Pitot Probe (unheated)	10-01157	$198.00

Description	Part No.	Price
Wiring Harness	10-01158	$72.85
STC EFIS Wiring Harness	10-06267	$189.00
GPS/Antenna Module	10-06240	$285.00
Altitude Encoder Converter (serial to gray code)	10-01159	$80.00
USB-Serial Converter	10-01824	$20.00
Roll Servo Kit RV10	10-04076	$795.00
EFIS D10A EAA Kit	10-06242	$2,495.00

DYNON EFIS-D100

Dynon's EFIS-D100 includes all of the instruments and features of the EFIS-D10A, but on a brilliant 7" wide-screen display with full dimming control. The larger size allows for multiple information pages to be displayed side-by-side in a split-screen format, enabling you to have full PFD while also displaying HSI, timers, or engine monitoring information from your Dynon EMS. Additionally, the EFIS-D100 is available in an optional Super-Bright Screen format, improving its readability and overall performance in all light conditions. Dimensions: 6.95" W x 4.90" H x 4.51" D. Includes Dynon three-year factory limited warranty **EFIS-D100 System** with Super Bright Screen.............P/N 10-02155 .... **$2,763.00**
EFIS-D100 EAA Kit ....P/N 10-06243 .... **$3,554.00**

EFIS-D100 OPTIONS

Description	Part No.	Price
Internal Li-Ion Backup Battery	10-00755	$130.00
OAT Probe	10-01823	$65.00
AOA/Pitot Probe (unheated)	10-01157	$198.00
Roll Servo Kit RV10	10-04076	$795.00

Description	Part No.	Price
Wiring Harness	10-01158	$72.85
Altitude Encoder Converter (serial to gray code)	10-01159	$80.00
STC EFIS Wiring Harness	10-06267	$189.00
GPS/Antenna Module	10-06240	$285.00

DYNON EFIS-D6 / EFIS-D60

Because some like to keep it simple, Dynon offers the EFIS-D6 and EFIS-D60 as basic, even more affordable Electronic Flight Information System (EFIS) solutions. Perfect for pilots who want to save panel weight, space, and installation time compared to a conventional analog gauges, the EFIS-D6 and EFIS-D60 feature all the amenities of a traditional six-pack while also adding a voltmeter and altitude encoder. The EFIS-D6 fits into a standard 3-1/8" panel hole, making it an ideal candidate for replacing vacuum and electric attitude indicators. The EFIS-D60 maintains the same profile and 7" screen as the EFIS-D100, and is available in the Super-Bright screen version only. EFIS-D6 / EFIS-D60 features and options: • Sunlight-readable, color display with full dimming control • Attitude Indicator, Heading, Altimeter, ASI, VSI, Turn Coordinator / Slip/Skid Ball, Angle of Attack, Voltmeter • Altitude encoder output • Backup battery • Dynon three-year factory limited warranty.

Description	Part No.	Price
EFIS-D60 With Super Bright Screen	10-03866	$1,845.00
EFIS Wiring Harness	10-01158	$72.85

Accessories	Part No.	Price
EFIS/FLDEK Wiring Harness	10-01158	$72.85
EFIS Backup Battery D180 D100 D60	10-00755	$130.00
OAT Probe D180 D100 D60 D10A D6	10-01823	$65.00
Flush Mount Bracket D10A D10 D6	10-00757	$20.00

DYNON HS34 HSI EXPANSION MODEL

The HS34 HSI Expansion Module was designed to enhance the capability of Dynon's best-selling EFIS products. The panel-mounted HS34 not only expands the HSI functionality of your EFIS-D10A, EFIS-D100, or FlightDEK-D180, but also enables several new features for any Dynon instrument to which it is networked: • Allows Dynon EFIS to interface with multiple radios and GPS devices simultaneously • Includes multiple interfaces to accommodate analog, ARINC-429 and RS-232 inputs • Accepts signals from marker beacon receivers and DME devices • Backlit to facilitate night flight conditions • Designated control knobs for adjusting Heading, Course (OBS), or general purpose values such as barometer. • Designated NAV and Bearing Source selection buttons • Simple 2-wire connection to Dynon EFIS instruments. • Dimensions: 1.639" W 4.903" H 4.951" D • Dynon three-year factory limited warranty
Dynon HS34 HSI Expansion Model - Vertical ....P/N 10-02590 .... **$650.00**
Dynon HS34 HSI Expansion Model - Horizontal..........P/N 10-02773 .... **$650.00**

DYNON AVIONICS SKYVIEW ENGINE MONITOR MODULE FOR ROTAX 912IS

Dynon Avionics announces SkyView support for the Rotax 912iS engine. Engine parameters available from the 912iS engine computer include RPM, manifold pressure, oil pressure, oil temperature, coolant temperature, EGT for all four cylinders, ECU voltage, and engine hours. All the other normal SkyView SV-engine functions are still available using the SV-EMS-221, such as fuel level, trim position, battery voltage, and contacts. A 912iS-specific engine sensor kit that includes the engine wiring harness, a Kavlico fuel pressure sensor, and an amps shunt are also available. See Accessories.
Enginge Monitor Module..P/N 10-04941 .... **$580.00**
Probe Package ....P/N 10-04942 .... **$215.00**

DYNON SKYVIEW SV-GPS-2020 GPS / ADS-B RECEIVER

The SV-GPS-2020 GPS Receiver/Antenna from Dynon Avionics allows existing and SkyView and Advanced AF-5000 series customers to add a 2020-compliant GPS position for ADS-B Out. As a drop-in replacement for the existing SVGPS-250 receiver, existing customers do not need to run any additional wires, coax, or install any new boxes in their aircraft. When combined with Dynon's SV-XPNDR-261 Mode-S transponder, SkyView and Advanced Flight Systems customers meet all the transponder and ADS-B Out requirements. Pilots can also add the SVADSB-470 Traffic and Weather Receiver for the best possible situational awareness in their aircraft. ....P/N 10-05909 .... **$575.00**

DYNON D3 POCKET PANEL PORTABLE EFIS

D3 lets pilots supplement their unreliable legacy instrumentation with an affordable, portable electronic attitude indicator that works. The D3 features the same reliable, proven AHRS engine from Dynon's best-selling panel-mounted products for experimental, light sport, and type certificated aircraft.
The D3 comes with a complete set of accessories, including home and airplane chargers, an optional external GPS antenna, and two unique mounting options. Both the included cockpit mounting options require no tools, allowing the D3 to be deployed in any aircraft with no FAA approval. The first mount included is a RAM® suction cup mount. The second is a 3-1/8" portable "pinch" mount that allows the D3 to be easily mounted in an empty existing instrument panel hole without any fasteners. ....P/N 10-06727 .... **$879.00**

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DYNON

DYNON EMS-D10 ENGINE MONITORING SYSTEM

The Dynon EMS-D10 offers more engine information in less space then ever before – full engine monitoring with up to 27 separate inputs on a highly readable 4" display, installed in your standard 3-1/8" panel hole. A designated Fuel Computer page allows the pilot to see fuel levels for up to 4 tanks, fuel pressure, fuel flow, fuel used, fuel remaining, time remaining and fuel required to destination all on one optimized display. To keep the classic look and feel of the Dynon product family, the EMS-D10 utilizes the same highly-visible display, keypad, and bezel as the best-selling EFIS-D10A – and will provide engine information to your Dynon EFIS through a simple 2-wire connection. As an added safety feature, the EMS-D10 also features programmable alarms which can be displayed on screen, through a separately mounted indicator light, or by an audible annunciation through your intercom. EMS-D10 features and options: • Sunlight-readable, 4" color display with full dimming control • Replaces up to 16 different types of gauges • Individual displays for up to 6 EGT and 6 CHT inputs • Customizable displays for Tachometer, Fuel Pressure, Oil Pressure, Oil Temp, Manifold Pressure, Volts/Amps, Carb Temp, OAT, Coolant Temp /Pressure, Hobbs/Tach Time • Fuel level display for up to 4 tanks • Fuel flow measurement with fuel computer display • Customizable settings for Green/Yellow/Red parameters on all inputs• Inputs for flaps/trim position sensors and contacts • Programmable visual and audio alarms • 25 User-defined checklists • Dynon three-year factory limited warranty   P/N 10-01160...............**$1,700.00**

COMPLETE ENGINE PACKAGES
(EMS-D10 Engine Monitor, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, 4Cyl Lycoming/Continental Package (Carbureted)	10-01161	$2,455.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01162	$2,435.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01163	$2,595.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01164	$2,585.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01830	$2,070.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01832	$2,250.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01834	$2,365.00

EMS OPTIONS

Description	Part No.	Price
Capacitance to Volt Converter	10-02159	$50.00
Fuel Flow Sensor	10-01165	$317.95
USB-Serial Converter	10-01824	$20.00
D10 Flush Mount Bracket	10-00757	$20.00
EGT Thermcouple Ext Wire	10-01167	$1.55
CHT Thermcouple Ext Wire	10-01168	$1.43

DYNON EMS-D120 ENGINE MONITORING SYSTEM

Featuring all of the same inputs and features of the EMS-D10, the Dynon EMS-D120 brings full engine monitoring to your panel on a stunning 7" wide-screen display. The larger size allows for multiple information pages to be displayed side-by-side in a split-screen format, enabling you to have full view of your primary engine inputs while also viewing your fuel computer, engine timers, or flight information from a Dynon EFIS. Additionally, the EMS-D120 is available in an optional Super-Bright Screen format, improving its readability and overall performance in all light conditions. Dimensions: 6.95" W x 4.90" H x 4.51" D. Includes Dynon three-year factory limited warranty

EMS-D120 w/ Superbright Screen ....P/N 10-02156.......... **$2,175.00**

SENSOR INPUTS
6 - EGT (Type K Thermocouple)
6 - CHT (Type J Thermocouple)
2 - Fuel Level (Resistive [0-1 K ohm] or Capacitance [0-5 volt])
2 - RPM (Frequency)2 - Contacts
1 - Manifold Pressure (Voltage)
1 - Oil Temperature (Resistive)
1 - Oil Pressure (Resistive)
1 - Fuel Pressure (Resistive)
1 - Fuel Flow (Frequency)
1 - Amps (Shunt)
1 - Volts
1 - Turbine Inlet Temperature (Type K Thermocouple)
3 - General Purpose (Either resistive or voltage for OAT, Fuel Tanks 3 & 4, Coolant Temp/Press, Carb Temp)

EMS OPTIONS

Description	Part No.	Price
Capacitance to Voltage Converter	10-02159	$50.00
Fuel Flow Sensor	10-01165	$317.95
USB-Serial Converter	10-01824	$20.00
EGT Thermcouple Ext Wire	10-01167	$1.55
CHT Thermcouple Ext Wire	10-01168	$1.43

COMPLETE ENGINE PACKAGES
(EMS-D120 Engine Monitor, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, wirh Super Bright Screen	10-02201	$2,930.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01827	$2,910.00
EMSKIT-L4F, wirh Super Bright Screen	10-02203	$2,910.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01828	$2,598.00
EMSKIT-L6C, wirh Super Bright Screen	10-02197	$3,070.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01829	$2,885.00
EMSKIT-L6F, wirh Super Bright Screen	10-02196	$3,060.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01831	$2,422.00
EMSKIT-RTX, wirh Super Bright Screen	10-02166	$2,545.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01833	$3,431.00
EMSKIT-J22, wirh Super Bright Screen	10-02193	$2,725.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01835	$2,597.00
EMSKIT-J33, wirh Super Bright Screen	10-02194	$2,840.00

DYNON FLIGHTDEK-D180

The FlightDEK-D180 combines Dynon's best-selling EFIS and EMS (Engine Monitor System) instruments into one brilliant 7" sunlight readable display, giving you an unparalleled assortment of functions in one easy-to-use, very powerful instrument. Pilots may elect to display both EFIS and engine monitor functions simultaneously in split-screen format or switch over to a full screen EFIS or EMS via simple hotkey commands – allowing for full monitoring of any combination of PFD, engine sensors, fuel computer, HSI, and timers. Like all other Dynon instruments, the FlightDEK-D180 comes with a 3-year warranty and free lifetime software updates. Additionally, the FlightDEK-D180 is available in an optional Super-Bright Screen format, improving its readability and overall performance in all light conditions. Dimensions: 6.95" W x 4.90" H x 4.51" D Includes Dynon three-year factory limited warranty

DEK-D180 w/ Superbright Screen.........................P/N 10-02157 .... **$3,315.00**

COMPLETE ENGINE PACKAGES
(FlightDEK-D180, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, 4Cyl Lycoming/Continental Package (Carbureted)	10-01837	$4,070.00
EMSKIT-L4C, with Super Bright Screen	10-02198	$4,070.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01838	$4,050.00
EMSKIT-L4F, with Super Bright Screen	10-02199	$4,050.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01839	$4,210.00
EMSKIT-L6C, with Super Bright Screen	10-02190	$4,050.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01840	$4,200.00
EMSKIT-L6F, with Super Bright Screen	10-02191	$4,200.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01841	$3,685.00
EMSKIT-RTX, with Super Bright Screen	10-02168	$3,685.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01842	$3,865.00
EMSKIT-J22, with Super Bright Screen	10-02192	$3,865.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01843	$3,980.00
EMSKIT-J33, with Super Bright Screen	10-02195	$3,980.00

FLIGHTDEK OPTIONS

Description	Part No.	Price	Description	Part No.	Price
Battery	10-00755	$130.00	CHT Adj. Bayonet, 3/8-24 UNF	10-01170	$38.00
OAT Probe	10-01823	$65.00	CHT, Ring Terminal 12mm	10-01845	$25.00
AOA/Pitot Probe (unheated)	10-01157	$198.00	Manifold Press. 0-60" Hg, 1/8" Hose	10-01171	$65.00
AOA/Pitot Probe (heated)	10-02158	$435.00	Oil Press. Kavlico 1/8-27 NPT 150 PSI	10-04823	$86.75
Altitude Encoder Converter	10-01159	$80.00	Oil Temp 5/8-18 UNF 100-240 F	10-01173	$20.00
Fuel Flow Sensor	10-01165	$317.95	Carb Fuel Press Kavlico 1/8-27 NPT, 15 PSI	10-04820	$85.00
EGT Thermcouple Ext Wire	10-01167	$1.55	Injected Fuel Press Kavlico 1/8-27 NPT, 50 PSI	10-04825	$85.00
CHT Thermcouple Ext Wire	10-01168	$1.43	Carb. Air Temp. 1/4-28 UNF, -50 to 150F	10-01846	$37.00
OAT	10-01176	$37.00	AMPS Shunt 0-60	10-01178	$15.00
HS34 HSI Expan. Mdl. Vert.	10-02590	$650.00	EGT 2 Cylinder 6 ft	10-01847	$75.00
HS34 HSI Expan. Mdl.Hor.	10-02773	$650.00	EGT/CHT 4 Cylinder 6 ft	10-01179	$120.00
Capacitance to Volt Converter	10-02159	$50.00	EGT/CHT 6 Cylinder 6 ft	10-01180	$89.75
Wiring Harness LSA/E-AB	10-01158	$72.85	Engine Sensor Main Wire Harness 6 ft	10-01181	$130.00
Roll Servo Kit RV10	10-04076	$795.00			
AOA/Pitot Unheated Boom	10-02789	$195.00			
Mounting Hardware (L Tube Only)	10-01820	$118.85			
EGT, 0.75-1.25" Hose Clamp	10-01844	$36.00			
EGT, 1-2.25" Hose Clamp	10-01169	$36.00			
EGT, 1-1.75" Hose Clamp	10-05079	$36.00			

SEE WWW.AIRCRAFTSPRUCE.COM FOR LISTING OF ALL ENGINE SENSORS, HARNESSES, & PACKAGES

AV

DYNON SKYVIEW EFIS / EMS / GPS / AUTOPILOT SYSTEM

Skyview 10" Display

Skyview 7" Display

SkyView is the latest glass-panel solution from Dynon Avionics, featuring a full PFD with synthetic vision, moving map with terrain and obstacles, engine monitor, and autopilot. Very bright, high-resolution screens with full dimming control provide excellent visibility in all conditions, while two multi-position control knobs allow easy user input. The full-color PFD features a full set of flight instruments over a highly-detailed 3D synthetic vision display, while your aircraft's position is shown on a moving map with color-coded terrain, obstacles, and airport/airspace information. In addition, the SkyView will accommodate full engine monitor display and a dual-axis autopilot through the addition of optional Dynon hardware. SkyView systems come standard with Dynon's three-year factory limited warranty. **Dimensions**: • 10" display: 10.32" W x 7.06" H x 2.14" D • 7" display: 7.64" W x 5.51" H x 2.14" D

Product Group	Dynon PN	Description	Spruce PN	Price
Screens	SV-D700	Skyview 7 inch Display Includes main wiring harness	10-03933	$2,549.00
--	SV-D1000	Skyview 10 inch Display Includes main wiring harness	10-03932	$3,389.00
--	SV-D600	Skyview 7" Doisplay Only	10-06060	$1,450.00
--	SV-D600/B	Skyview SE 7" Display Bundle With Harness	10-06058	$1,795.00
--	SV-D900	Skyview Se 10" Display Only	10-06059	$2,435.00
--	SV-D900/B	Skyview Se 10" Display Bundle With Harness	10-06057	$3,015.00
EFIS/EMS/GPS Components	SV-ADAHRS-200	SkyView ADAHRS - First	10-03936	$1,165.00
--	SV-ADAHRS-200 & 201	SkyView ADAHRS - Dual	10-04018	$1,940.00
--	101293-00	SkyView Secondary ADAHRS - Requires Primary	10-03937	$775.00
--	SV-EMS-220	SkyView Engine Monitoring Module	10-03938	$580.00
--	SV-GPS-250	SkyView GPS 5Hz Receiver Module	10-03939	$195.00
--	SV-BAT-320	SkyView Backup Battery	10-03940	$175.00
--	SV-ETHERNET-3CC	Dynon Ethernet Cable	10-04679	$25.00
--	SV-HARNESS-D37	Dynon Display Harness with Wiring	10-03941	$90.00
--	101406-000	Skyview ARINC Adapter	10-04520	$460.00
--	SV-VPX-290	SkyView Vertical Power Unlock Code	10-04810	$265.00
--	SV-NET-1.5CC	Network Cable – Both ends with connectors, 1.5' long Aircraft Grade Tefzel® Wiring	10-05615	$40.00
--	SV-NET-3CC	Network Cable - Both ends with connectors, 3' long	10-03942	$40.00
--	SV-NET-6CC	Network Cable - Both ends with connectors, 6' long	10-03943	$45.00
--	SV-NET-10CP	Network Cable - 1 end with connector, 1 end with pins only, 10'	10-03944	$50.00
--	SV-NET-15CP	Network Cable - 1 end with connector, 1 end with pins only, 15'	10-03945	$55.00
--	SV-NET-20CP	Network Cable - 1 end with connector, 1 end with pins only, 20'	10-03946	$60.00
--	SV-NET-25CP	Network Cable - 1 end with connector, 1 end with pins only, 25'	10-04619	$65.00
--	SV-NET-30CP	Network Cable - 1 end with connector, 1 end with pins only, 30'	10-04620	$70.00
--	SV-NET-HUB	Network Hub	10-04904	$50.00
--	SV-NET-SPL	Network Splitter	10-03948	$90.00
--	SV-NET-SERVO	Network Autopilot Servo Wiring Kit Includes 20	10-04491	$55.00
Control Knobs	SV-KNOB-PANEL/H	SkyView Knob Control Panel (Horizontal)	10-05614	$245.00
--	SV-KNOB-PANEL/V	SkyView Knob Control Panel (Vertical)	10-05613	$245.00
--	--	Dynon SkyView ADS-B with 4 Ft Harness	11-11938	$814.00
--	--	Dynon SkyView ADS-B with Custom Harness	11-11939	$844.00
Transponders	101409-000	SkyView SV-XPNDR-261 Mode S Class 1	10-04518	$2,130.00
--	--	SkyView Mode S Class 1 Transponder with 4 ft Harness	11-11953	$2,181.00
--	--	SkyView Mode S Class 1 Transponder with Custom Harness	11-11954	$2,274.00
--	101410-000	SkyView SV-XPNDR-262 Mode S Class 2	10-04519	$1,750.00
--	--	SkyView Mode S Class 2 Transponder with 4 ft Harness	11-11948	$1,801.00
--	--	SkyView Mode S Class 2 Transponder with Custom Harness	11-11949	$1,824.00
--	102388-000	Dynon Skyview Remote Magnetometer	10-05884	$138.00
--	102532-000	Dynon Dual ADAHRS Mounting Kit	11-14152	$24.00

Product Group	Dynon PN	Description	Spruce PN	Price
Probes and Sensors	101711-000	Dynon Kavlico Lyc. / Cont. 4 Cyl Carb Probe Package	10-04827	$755.00
--	101711-003	Dynon Kavlico Lyc. / Cont. 4 Cyl Fuel Probe Package	10-04830	$735.00

--	101711-001	Dynon Kavlico Lyc. / Cont. 6 Cyl Carb Probe Package	10-04828	$895.00
--	101711-004	Dynon Kavlico Lyc. / Cont. 6 Cyl Fuel Probe Package	10-04831	$885.00
--	101711-002	Dynon Kavlico Rotax 912 Probe Package	10-04829	$370.00
--	101711-005	4 Cyl. Jabiru Probe Package	10-04832	$550.00
--	101711-006	6 Cyl Jabiru Probe Package	10-04833	$665.00
--	100403-003	Dynon EMS Fuel Flow Sensor 1/4" NPT Female	10-01165	$317.95
--	101690-000	Kavlico Carb Fuel Pressure Sensor	10-04820	$85.00
--	101692-000	Dynon Kavlico Oil Pressure Sensor 75PSI	10-04822	$85.00
--	101693-000	Dynon Kavlico Oil Pressure Sensor 150 PSI	10-04823	$86.75
--	101715-000	Dynon Kavlico Gravity Fed Pressure Sensor 5 PSI	10-04824	$85.00
--	100654-000	Dynon Capacitance to Volt Converter	10-02159	$50.00
A/P Control	SV-AP-PANEL/H	SkyView Autopilot Control Panel (Horizontal)	10-05612	$535.00
--	SV-AP-PANEL/V	SkyView Autopilot Control Panel (Vertical)	10-05611	$535.00
Servos	SV32	Standard output arm, Retail Includes SV32:100754-000,Limiting Braket Kit: 101025-000	10-03561	$725.00
--	SV32C	Capstan, Includes SV32C: 100754-002, Capstan Accessory Kit: 101116-000	10-03950	$725.00
--	SV32L	Long Output Arm, Includes SV32L: 100754-001, Limiting Bracket Kit: 101025-000	10-03562	$725.00
--	SV42C	Capstan, Includes SV42C: 101008-002, Capstan Accessory Kit: 101116-000	10-03951	$725.00
--	SV42	Standard output arm, Includes SV42: 101008-000, Limiting Bracket Kit: 101025-000	10-03563	$725.00
--	SV42L	Long Output Arm, Includes SV42L: 101008-001, Limiting Bracket Kit: 101025-000	10-03564	$725.00
--	SV52	Standard Output Arm, Includes SV52: 101021-000, Limiting Bracket Kit: 101025-000	10-04492	$725.00
--	SV52C	Capstan, Includes SV52C: 101021-002, Capstan Accessory Kit: 101116-000	10-04493	$725.00
Servo + Mounting Kit Packages	--	RV-6 Roll Servo + Mounting Kit: Includes Servo mounting kit RV-6 roll(fuselage):101020-001, pkg SV32L (long output arm): 100854-001	10-03555	$795.00
--	--	RV-7/8 Roll Servo + Mounting Kit: Includes Servo Mounting kit- RV-7/8 roll (R wing): 101020-003, pkg SV32 (std. output arm): 100854-000	10-03556	$795.00
--	--	RV-9 Roll Servo + Mounting Kit: Includes Servo Mounting kit-RV-9 roll (R wing): 101020-004, pkg SV32 (std. output arm): 100854-000	10-03557	$795.00
--	--	RV- 4/8 Pitch Servo + Mounting Kit: Includes Servo Mounting kit- RV-4/8 Pitch: 101020-002, pkg SV32 (std. output arm): 100854-000	10-03560	$795.00
--	--	RV-6/7/9 Pitch Servo + Mounting Kit: Includes Servo Mounting Kit-RV-6/7/9 Pitch: 101020-005, pkg SV32 (std. output arm): 100854-000	10-03559	$795.00
--	--	RV-10 Roll Servo + Mounting Kit Package: Includes servo mounting kit RV-10 roll (right wing): 101020-003, SV42 (std output arm): 101058-000	10-04076	$795.00
--	--	RV-10 Pitch Servo + Mounting Kit: Includes servo mountign kit RV-10 pitch (fuselage): 101020-006, pkg SV42 (std output arm): 101058-000	10-03893	$795.00
Servo Push Rod Kits	--	Servo Push Rod Kit- Generic (Push-Pull)	10-03567	$25.00
Wifi Adapter	102405-00	Dynon Skyview Wifi Adapter	10-05867	$35.00

AV

Prices Subject to Change Without Notice

DYNON

DYNON SKYVIEW COM RADIOS

Integrating deeply with your Dynon SkyView system, the SV-COM-C25 tunes frequencies by airport and station type - rather than by spinning in a number - at the touch of a button. Dual concentric knob lets you spin in frequencies "the old fashioned way." SkyView will identify the airport and station type as you tune. Available in both horizontal and vertical versions. The control panel is only 1.27" deep. Vertical Mount ..... P/N 10-05251. **$1,255.00**
Horizontal Mount . P/N 10-05252. **$1,255.00**

DYNON SV INTERCOMS

For ALL experimental and light sport aircraft. Ample inputs for EFIS systems, stereo music, and all the other technology in your panel. High-Fidelity Audio Circuitry, Dual Radio Support, Fail-safe between the pilot headset, Horizontal and Vertical faceplates are both included; headset jack kits also included. Selectable Auto Mute, and Independent intercom Voice Activation. Vertical or Horizontal Mount .... P/N 10-05254 .... **$285.00**

DYNON SKYVIEW ADS-B

Dynon's dual band ADS-B receiver receives weather & traffic on both 978 MHz and 1090 MHz frequencies. The dual band SV-ADSB-472 receives ADS-B traffic via 978 MHz (UAT) and 1090 MHz. In the US, it also receives free text and graphical weather from the FAA's network of ADS-B ground stations. Unlike portable ADS-B receivers, you get FULL ADS-B and radar traffic when you pair this with our Mode-S transponder. The remote mounted receiver utilizes an externally mounted antenna for superior ADS-B reception. P/N 10-06419 ....**$770.00**

DYNON SKYVIEW DISPLAY / ENGINE PACKAGES

We have put together these avionics packages using only the latest in Dynon technology. All Dynon bundles are for experimental application. These bundles do include some cost savings versus buying each item individually so take advantage and get your panel set up in one quick order.
Easy Ordering:
Step 1: Select your preferred Dynon display package based on number and size of screens you need.
Step 2: Select your engine probe package based on your engine application.
Step 3: Select optional Unlock Code (Sold separately)

Note: We can create a custom package with any combination of avionics units we carry so please contact our sales department if one of the combinations above is not exactly what you need.

Package	Contents	Part No.	Price
Skyview Display Package A	7" Screen with Wire Harness Primary ADAHRS Air Data Altitude Heading Back Up Battery GPS Antenna	10-05527	$4,095.00
Skyview Display Package B	Dual 7" Screens with Wire Harness Primary ADAHRS Air Data Altitude Heading Back Up Battery GPS Antenna	10-05528	$6,671.00
Skyview Display Package C	10" Screen with Wire Harness Primary ADAHRS Air Data Altitude Heading Back Up Battery GPS Antenna	10-05529	$4,901.00
Skyview Display Package D	Dual 10" Screens with Wire Harness Primary ADAHRS Air Data Altitude Heading Back Up Battery GPS Antenna	10-05530	$8,301.00
Skyview Display Package E	7" Screen with Wire Harness 10" Screen with Wire Harness Primary ADAHRS Air Data Altitude Heading Back Up Battery GPS Antenna	10-05531	$7,498.00
Skyview Lycoming / Continental 4 Cyl Carbureted Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 4 Cyl. Lyc / Cont Carbureted	10-05532	$1,341.00
Skyview Lycoming / Continental 4 Cyl Fuel Injected Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 4 Cyl. Lyc / Cont Fuel Injected	10-05533	$1,327.00
Skyview Lycoming / Continental 6 Cyl Carbureted Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 6 Cyl. Lyc / Cont Carbureted	10-05534	$1,482.00
Skyview Lycoming / Continental 6 Cyl Fuel Injected Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 6 Cyl. Lyc / Cont Fuel Injected	10-05535	$1,462.00
Skyview Rotax 912 Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - Rotax 912	10-05536	$947.00
Skyview Jabiru 4 Cyl Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 4 Cyl. Jabiru 2200	10-05537	$1,126.00
Skyview Jabiru 6 Cyl Engine Pack	Engine Monitor Module Without Probes Kavlico Probe Package - 6 Cyl. Jabiru 3300	10-05538	$1,241.00

DYNON SKYVIEW HDX SYSTEMS

SkyView HDX features improved displays, beautiful design, unrivaled control ergonomics, and an upgraded touch interface. SkyView HDX displays are compatible with all existing SkyView components and feature identical mounting profiles and electrical connections.

Description	Part No.	Price
10" SkyView HDX Display, bundle (Includes SV-HDX1100/A 10" SkyView HDX Display, SV-HARNESS-D37, SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	10-06254	$4,385.00
10" SkyView HDX Display only, (no harness) (Includes SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	10-06236	$4,350.00
7" SkyView HDX Display, bundle (Includes SV-HDX800/A 7" SkyView HDX Display, SV-HARNESS-D37, SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	10-06255	$3,149.00
7" SkyView HDX Display only (no harness) (Includes SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	10-06237	$3,090.00

DYNON AUTOPILOT SERVO + MOUNTING KIT PACKAGES

Dynon Avionics servos are dimensionally identical to other leading servos for drop-in upgradability. Behind the scenes, though, the SV line of servos are all-new. A lightweight aluminum case houses a stainless steel gear train to optimize weight while not sacrificing strength. The servo control arm is captured by a castellated nut and secured by a cotter pin, just like other critical interfaces in your aircraft. Each servo is managed by its own microprocessor, making the servo an active, smart extension of the autopilot. This simplifies the control-surface-to-servo calibration, and prevents the servo from driving itself endlessly like other servos can. As an ultimate mechanical failsafe, a simple and effective shear pin is employed to let you break the servo free of the aircraft control surface in an emergency.

Description	Part No.	Price
RV-6 Roll Servo + Mounting Kit (Includes Servo mounting kit RV-6 roll (fuselage):101020-001, pkg SV32L (long output arm): 100854-001	10-03555	$795.00
RV-7/8/10 Roll Servo + Mounting Kit (Includes Servo Mounting kit-RV-7/8/10 roll (R wing): 101020-003, pkg SV32 (std. output arm):100854-000	10-03556	$795.00
RV-9 Roll Servo + Mounting Kit (Includes Servo Mounting kit-RV-9 roll (R Wing):101020-004, pkg SV32 (std. output arm): 100854-000	10-03557	$795.00

Description	Part No.	Price
RV-6/7/9 Pitch Servo + Mounting Kit (Includes Servo Mounting Kit-RV-6/7/9 Pitch: 101020-005, pkg SV32 (std. output arm): 100854-000	10-03559	$795.00
RV- 4/8 Pitch Servo + Mounting Kit(Includes Servo Mounting kit- RV-4/8 Pitch : 101020-002, pkg SV32 (std. output arm): 100854-000	10-03560	$795.00
RV-10 Pitch Servo + Mounting Kit: (Includes servo mounting kit RV-10 pitch (fuselage):101020-006, pkg SV42 (std output arm): 101058-000	10-03893	$795.00

AV

GRT EFIS SYSTEMS

GRT AVIONICS SPORT SX EFIS SYSTEM

Evaluating your own avionics needs is not always easy. The Sport SX series provides the low-cost solution that starts big on capability and provides upgrade paths for the future. Its internal high-integrity AHRS provides the perfect balance of simplicity and precision for light aerobatics. The Sport SX is a great option for kitplane builders desiring a lightweight, simple EFIS with unmatched capability and reliability. Purchase EIS engine monitor package for complete graphical engine display.

Model	Part No.	Description	Price
S200SX6	11-11768	Single 6.5" EFIS System Package with Upgraded CPU, Internal AHRS & GPS, and all wiring harnesses	$2,595.00
S200SX8	11-11769	Single 8.4" EFIS System Package with Upgraded CPU, Internal AHRS & GPS, and all wiring harnesses	$2,795.00
S100SX6	11-11770	6.5" Multi-Function Display with Upgraded CPU and wiring harnesses. No internal AHRS or GPS (slave unit only)	$1,596.00
S100SX8	11-11771	8.4" Multi-Function Display with Upgraded CPU and wiring harnesses. No internal AHRS or GPS (slave unit only)	$1,795.00
Sport Options- Specify at time of order.			
Model	Part No.	Description	Price
SX-OPT-SYN	11-08484	Synthetic Vision Software	$398.75
SX-OPT-GPSV	11-09548	Vertical Commands autopilot software	$398.00
SX-OPT-429	11-11772	Remote ARINC 429 module	$449.95
SX-OPT-AOA	11-16019	GRT Sport SX EFIS AOA Option	$249.95

GRT AVIONICS HORIZON HX EFIS SYSTEM

"The HX line is a no-compromise solution, including features you might expect to find only in business jet or airline avionics. We go beyond the typical synthetic vision EFIS with terrain optimized to convey a sense of depth perception unmatched by other EFIS systems. Primary Flight Data, Moving Map, and Graphical Engine Data (with optional EIS engine monitor), Airspeed, Sensitive Altimeter, VSI, Attitude, True Airspeed, Ground Speed, Heading, Course, GPS Track, Slip/Skid, Airspeed limits & V-speeds. Full horizontal and vertical autopilot functionality with coupled precision approaches (with IFR GPS/NAV and optional GRT servos); Video PFD overlay for optional FLIR night vision; built-in angle of attack and G-meter; Open compatibility with a variety of avionics, ADS-B receivers, autopilots; Bluetooth communication with GRT Remote App for Android; Precision AHRS does not require GPS or airspeed aiding and is directly wired to Display Units for true redundancy."

Model	Part No.	Description	Price
HX6A1-PKG	11-11773	Single 6.5" HX EFIS system package with single AHRS and wiring harnesses	$3,795.00
HX8A1-PKG	11-11774	Single 8.4" HX EFIS system package with single AHRS and wiring harnesses	$3,995.00
HXR8A1-PKG	11-16013	GRT Single 8.4 Horizon Hx EFIS Package with AHRS Harness	$3,995.00
HX6A2-PKG	11-11775	Dual 6.5" HX EFIS system package with single AHRS and wiring harnesses	$6,399.00
HX8A2-PKG	11-11776	Dual 8.4" HX EFIS system package with single AHRS and wiring harnesses	$6,795.00
HXR8A2-PKG	11-16015	GRT Dual 8.4 Horizon Hx EFIS Package with AHRS Harness	$6,795.00
HXR8A1-PKG HX Package Options & Accessories			
Model	Part No.	Description	Price
HX6-PKG-ADD	11-11777	Additional 6.5" HX display unit with wiring harness	$2,899.00
HX8-PKG-ADD	11-11778	Additional 8.4" HX display unit with wiring harness	$3,095.00
HXR8DU-PKG-ADD	11-16017	GRT Additional 8.4 Horizon Hx Display With Harness	$3,095.00
AHRS-2-PKG	11-11779	Substitute Single AHRS in any above package with Dual AHRS	$449.75
GPS-EXT-WAAS	11-11780	GPS Module, External VFR WAAS for HX, HXr or Sport	$274.00
EFIS-USB-EXT	11-16028	GRT EFIS USB Extension Cable	$13.95
RM-SC-01	11-16031	GRT EFIS Serial Port Combiner Expander	$294.95
EX7-HORIZON	11-16044	GRT Horizon EX EFIS Display Unit	$2,395.00
ADAPTIVE-AHRS	11-16068	GRT Horizon Series EFIS Adaptive AHRS Option	$2,495.00
AHRS-OPT-GPS	11-16069	GRT Horizon Series EFIS GPS Option	$274.95
AHRS-OPT-AOA	11-16070	GRT Horizon Series EFIS AOA Option	$249.95
AHRS-GF	11-16071	GRT Horizon Series EFIS AHRS High Speed Option	$149.95
EFIS-28V	11-16072	GRT Horizon Series EFIS 28V Option	$149.95
FLIR-01	11-16073	GRT Horizon Series EFIS Infrared Video Overlay Option	$4,495.00
USB-VIDEO	11-16074	GRT Horizon Series EFIS USB Video Option	$149.75

GRT AVIONICS HORIZON HXR EFIS SYSTEM

"HXr offers GRT Avionics' largest screen sizes and a simplifed pilot interface built on the well-proven HX processor. Dedicated remote avionics control panel allows for remote mounting of the radio stack to make room for the large 10.4"" or 12.1"" LCD screen. Primary Flight Data, Moving Map, and Graphical Engine Data (with optional EIS engine monitor), Airspeed, Sensitive Altimeter, VSI, Attitude, True Airspeed, Ground Speed, Heading, Course, GPS Track, Slip/Skid, Airspeed limits & V-speeds. Full horizontal and vertical autopilot functionality with coupled precision approaches (with IFR GPS/NAV and optional GRT servos); Video PFD overlay for optional FLIR night vision; built-in angle of attack and G-meter; Open compatibility with a variety of avionics, ADS-B receivers, autopilots; Bluetooth communication with GRT Remote App for Android; Precision AHRS does not require GPS or airspeed aiding and is directly wired to Display Units for true redundancy.

Model	Part No.	Description	Price
HXR10A1-PKG	11-11781	Single 10.4" HXr EFIS system package with single AHRS and wiring harnesses	$4,625.00
HXR12A1-PKG	11-11782	Single 12.1" HXr EFIS system package with single AHRS and wiring harnesses	$5,225.00
HXR10A2-PKG	11-11783	Dual 10.4" HXr EFIS system package with single AHRS and wiring harnesses	$7,725.00
HXR12A2-PKG	11-11784	Dual 12.1" HX EFIS system package with single AHRS and wiring harnesses	$8,925.00
HXr Package Options & Accessories			
Model	Part No.	Description	Price
HXR10-PKG-ADD	11-11785	Additional 10.4" HXr display unit with wiring harness	$3,495.00
HXR12-PKG-ADD	11-11786	Additional 12.1" HXr display unit with wiring harness	$4,095.00
AHRS-2-PKG	11-11779	Substitute Single AHRS in any above package with Dual AHRS	$449.75
GPS-EXT-WAAS	11-11780	GPS Module, External VFR WAAS for HX, HXr or Sport	$274.00

GRT EIS SYSTEMS

For over 22 years, Grand Rapids Technologies' EIS engine monitor has proven itself in most every aircraft engine installation from the most basic 2-stroke engines to turbines. It can be used as a stand-alone system in aircraft without an EFIS display, or an integral part of a GRT Avionics "glass cockpit" EFIS graphical engine display. EIS provides critical engine data and warnings that could save your life. Basic packages come with wiring harnesses and engine probes recommended by the engine manufacturer, including CHT, EGT, and oil pressure/temperature if sensors do not normally come with the engine. Advanced packages include all of the Basic probes plus fuel flow, current sensor, and manifold pressure. Visit www.aircraftspruce.com for more information on packages and probes. Lifetime warranty for manufacturer defects.

Description	Model	Part No.	Price
Lyc/Cont. Package, 4-cylinder, Basic	EIS-4K-LYC-BAS-PKG	11-11745	$1,175.00
Lyc/Cont Package, 4-cylinder, Advanced	EIS-4K-LYC-ADV-PKG	11-11746	$1,753.00
Lyc/Cont Package, 4-cylinder, Advanced, Long-Life EGT	EIS-4K-LYC-ADVLL-PKG	11-11747	$1,909.00
Lyc/Cont. Package, 6-cylinder, Basic	EIS-6K-LYC-BAS-PKG	11-11748	$1,377.00
Lyc/Cont Package, 6-cylinder, Advanced	EIS-6K-LYC-ADV-PKG	11-11749	$1,917.00
Lyc/Cont Package, 6-cylinder, Advanced, Long-Life EGT	EIS-6K-LYC-ADVLL-PKG	11-11750	$2,066.00
Jabiru 2200 Package, Basic	EIS-4K-JAB-BAS-PKG	11-11751	$1,001.00
Jabiru 2200 Package, Advanced	EIS-4K-JAB-ADV-PKG	11-11752	$1,422.00
Jabiru 3300 Package, Basic	EIS-6K-JAB-BAS-PKG	11-11753	$1,094.00
Jabiru 3300 Package, Advanced	EIS-6K-JAB-ADV-PKG	11-11754	$1,515.00
Rotax 912/914 Package, Basic	EIS-4K-RTX-BAS-PKG	11-11755	$999.00
Rotax 912/914 Package, Advanced	EIS-4K-RTX-ADV-PKG	11-11756	$1,588.00
Viking Package, Basic	EIS-4K-VIK-BAS-PKG	11-11757	$901.00
Viking Package, Advanced	EIS-4K-VIK-ADV-PKG	11-11758	$1,111.00
UL Power Package, Basic	EIS-4K-ULP-BAS-PKG	11-11759	$1,263.00
UL Power Package, Advanced	EIS-4K-ULP-ADV-PKG	11-11760	$1,401.00
UL Advanced Package, 6 cylinder (Includes Basic + pulse FF)	EIS-6K-ULP-ADV-PKG0	11-16025	$1,558.00
UL Basic Package, 6 cylinder (6 bayonet CHT, 4 EGT, 50-amp CS, OP, FP)	EIS-6K-ULP-BAS-PKG	11-16026	$1,454.00
Corvair Package, Basic	EIS-6K-CORV-BAS-PKG	11-11761	$1,181.00
Corvair Package, Advanced	EIS-6K-CORV-ADV-PKG	11-11762	$2,045.00
Corvair Package, Simple (6 CHT, 6 EGT, OT, OP, FP)	EIS-2K-CORV-SIM-PKG	11-16055	$673.00

GRT AVIONICS AUTOPILOT SERVOS

Digital CNC machined servos add autopilot functionality to any GRT Avionics EFIS System. Heading select, VOR/GPS tracking, ILS and GPS precision approach coupling*, climb/descent to selected altitude using preset IAS or VS*, automatic approach capture. Pitch servo torque sensing provides Trim Up/Trim Down indication. Clutchless design with shearble output arm provides fail-safe mechanical method of freeing flight controls in the unlikely event of servo jam. 12-29V. Standard torque suitable for RV & most 2-place kitplanes. High torque for 4-place aircraft. Specify aircraft type when ordering. *Standard a/p features on HX and HXr. Sport requires Vertical Commands software.

Description	Part No.	Price
Roll servo, standard torque. 1.0 Amp, 2.25 lbs	11-09791	$749.75
Pitch servo, standard torque. 1.0 Amp, 2.25 lbs	11-09792	$770.00
Roll servo, high torque. 2.0 Amp, 2.25 lbs	11-11763	$845.00
Pitch servo, high torque 2.0 Amp, 2.25 lbs	11-11764	$845.00
Roll servo wiring harness	11-11766	$26.80
Pitch servo wiring harness	11-11765	$20.65
Servo Mount Kit- Specify type of aircraft	11-11767	$68.85

GRT SENSORS AND PROBES & ACESSORIES

Description	Model	Part No.	Price
Small EGT probe fits exhaust pipes from 1-2" dia.	EGT-HCS-01	11-09535	$64.75
Large EGT probe fits exhaust pipes from 1.5-2.5"dia.	EGT-HC-01	11-09533	$49.50
8 mm compression-style EGT probe. Includes compression fitting.	EGT-CF-01	11-09534	$49.50
Current sensor, +/- 100 AMP. Suitable for aicraft with 60 amp alternators.	CS-01	11-06276	$83.75
Current Sensor +/- 50AMP. Suitable for aicraft with Rotax, Jabiru, and others with light duty charging systems.	CS-02	11-07224	$74.50
Manifold pressure sensor, 0-31 in. Hg. For normally-aspirated engines.	MAP-01	11-06274	$82.85
Manifold pressure sensor, 0-51 in. Hg. For turbocharged engines.	MAP-02	11-09542	$80.75
CNC Machined, Black Powdercoat to match EFIS	EIS-BEXEL	11-11467	$92.75
Bayonet-style CHT probe. Used mostly with Lycoming and Continental engines.	CHT-BAY-01	11-09538	$44.85
Replacement threaded adapter for bayonet style CHT probes.	BHT-ADP-01	11-09539	$6.85
Ring style CHT probe with 4 mm ring. Suitable for some Rotax installations.	CHT-04-01	11-11468	$18.00
Ring style CHT probe with 10 mm ring. Suitable for Rotax 912/914 installations.	CHT-10-01	15-06432	$18.65
Ring style CHT probe with 12 mm ring. Suitable for Jabiru installations.	CHT-12-01	11-11469	$18.65
Ring style CHT probe with 14 mm ring. Suitable for many 2-stroke engines including Rotax & Zenoah	CHT-14-01	11-09537	$18.65
Ring style CHT probe with 18 mm ring. Suitable for Continental engines without Bayonet CHT ports.	CHT-18-01	11-09536	$20.50
Pressure Senders for oil & coolant Ranges from 0-80 psi to 0-150 psi	HPS-01	11-11470	$55.90
Pressure Senders for oil & coolant Ranges from 0-80 psi to 0-150 psi	HPS-02	11-06423	$52.85
Coolant pressure sender 0-28 psi	LPS-02	11-09543	$49.95
Fluid Temperature Probe - 1/8-27 threads	FT-1827-02	11-09540	$24.75
Oil Temperature Probe - Lycoming & Continental. For use with older GRT EIS models.	FT-LC-01	11-09541	$48.75
EIS Outside air temp probe. Wire to either EIS or EFIS.	OAT-02	15-05248	$29.75
Oil Temperature Probe. Wire to either EIS or EIFS. Included with the EIFS system.	OAT-03	11-11227	$99.75
Coolant pressure sender 0-28 psi. Recommended for Carbureted Engines.	LPS-02	11-09543	$49.95
0-100 psi fuel pressure sender. Recommended for fuel injected engines.	HPS-SS-01	11-09545	$155.95
Machined brass probe works with most carburetors except Bing.	CARB-01	11-06273	$32.65
Princeton capacitive fuel level probe with 2 set points. For rectangular or airfoil shaped tanks with linear interpolation between the set points.	FL-PE-01	11-09544	$89.95
Princeton capacitive fuel level probe with 5 set points. For irregularly-shaped tanks. Works with Van's capacitive plates.	FL-PE-ADV	11-11848	$135.99
Capacitive Fuel Level Probe - Srandard, 5 set point, PF or FM mounting	---	10-00258	$139.95

GRAND RAPIDS MINI-GA PORTABLE EFIS

The Mini is not a compromised instrument. It is a complete EFIS capable of synthetic vision, with a GPS navigator, and incorporating the same technology that made GRT famous for its high-integrity AHRS. It is completely suitable as the primary instrument in your panel or as a backup.

The Mini includes an electronic attitude source (AHRS) that is not dependent on GPS and/or air data. IFR certifiable altitude, vertical speed, and airspeed are boldly shown with tapes and smoothly rotating drum-style digital displays that instinctively convey value and trend. Internal or external GPS navigation and steering data is provided on the PFD, and the -X and -AP variations include highway-in-the sky guidance to any runway in the database. The addition of the external magnetometer adds heading and winds.

The primary flight display screen terrain showing relative height. In the upper left the autopilot/flight director mode is shown as synthetic approach to runway 35. The flight director is commanding a slight pitch down in the center of the screen. The airspeed and altimeter drums move smoothly and the high-contrast digits make them highly readable. Extending up from the runway is the way-point balloon.

Features: • Primary or Backup for Attitude / Heading / Track / Airspeed / Altitude / VSI • 1200 nit sun-readable display. Dimmable to less than 10 nits for night flying • Highly readable airspeed/altimeter tapes and rotating drum-style digital display • Free database updates for all US territory. Jeppesen databases available worldwide • Simple installation. Power, ground and mount GPS antenna on your dash • Incorporates a full AHRS solution that does not require GPS or air data to provide attitude data • Provides automatic cross-checking of attitude data when connected to a GRT EFIS • High accuracy pitot static sensors allows accurate airspeed readings to less than 20 mph, making the Mini suitable for any airplane, helicopter, or ultralight • Includes voltmeter, true airspeed, slip ball, and more • Includes Trig TT22 transponder control head functions. Saves up to $500 over separate control head • Fully functional from -10 to +160° F • 9-30Vdc input power. 0.25 amps max (0.7 amps while charging) • Case CNC machined from aluminum billet.
P/N 11-14250 ......**$1,685.00**

Prices Subject to Change Without Notice

GRAND RAPIDS MINI BACKUP EFIS

A small, lightweight, economical VFR EFIS system for LSA and light kitplanes. An affordable, high-quality backup to our larger EFIS systems for IFR operations. A stand-alone autopilot and backup flight instrument all in one. As an IFR backup flight instrument, the Mini-X and Mini-AP can do what no other brand of backup display can do for GRT Horizon and Sport users: Serve as an auxiliary autopilot control head for GRT servos that maintains an independent source of control if the main display unit should fail. Utilize the same pilot interface as the popular Horizon and Sport series, meaning you will not have to remember a different brand's "buttonology" in an emergency. Now taking orders. No deposit required! Shipment of Mini-B anticipated in January 2014, with Mini-X and Mini-AP to follow.

Description	Part No.	Price
GRT Mini-B Backup EFIS	11-12236	$1,189.00
GRT Mini-X EFIS	11-12237	$1,395.00
GRT Mini AP EFIS	11-14251	$2,095.00
GRT Mini X & GA Efis Remote Magnetometer Option	11-14254	$259.95
GRT Mini X Moving Map HSI Software	11-14255	$259.00
GRT Mini EFIS Series Internal Back Up Battery Option	11-14256	$179.95
GRT Mini EFIS Series Oat Option	11-14257	$84.75
GRT Mini AP Arnic 429 Adapter	11-14258	$449.00
GRT Mini EFIS Series AOA Option	11-14259	$249.95
GRT Mini X & AP Efis Feature Set Option	11-14264	$249.95
GRT Mini Ef EFIS is USB Extension Cable	11-16029	$19.99

GRT EFIS 2020 ADS-B COMPLIANT GPS

The GRT Safe-Fly is a 2020 ADS-B compliant GPS, allowing it to be used as the navigation source for your compatible ADS-B output. This full compliance with FAR 91.227 allows your ADS-B output to trigger the return of traffic data. This demanding standard requires a GPS that is reliable to better than one undetected failure per million hours, making it a natural as your navigation source for your GRT EFIS. Other benefits include triple isolated power inputs, making it easy to power it with primary, back up, and even a third power source. GRT designed the module to tolerate very high levels of electromagnetic interference (EMI), large power fluctuations, and vibration. No standby power is required. Even the case is machined from solid aluminum, protecting the Safe-Fly from further EMI and physical damage. ....P/N 11-16027 ....$495.00

GRAND RAPIDS ENGINE INFORMATION SYSTEM (EIS) FOR M14 9 CYLINDER RADIAL

A complete engine monitoring system at an affordable price. The EIS Model 4000 starts with the most comprehensive EGT/CHT monitor available anywhere, and then adds every other engine monitoring function you need, and more! Utilizing a back-lit, sunlight readable display, the EIS provides user-programmable graphical and digital displays in a compact package. A host of other useful features and the scrutiny of the 62 alarms, add the final touches to make your flying a safe, satisfying, and enjoyable experience. M14 9 Cylinder Radial. (9 EGT, 3 CHT, OT, OP, FP, FF, 0-51" MAP, 100A CS)

P/N 11-16060 ......$1,990.00

GRAND RAPIDS SPORT EX EFIS

The Sport EX puts a Primary Flight Display EFIS in your panel at an unbeatable price. Software options let you purchase what you need now, and expand later, without removing the EX from your panel. Built on more than two decades of avionics experience, and using the industry's only AHRS that can operate unaided, the base model provides primary flight functions and engine pages which can be driven by any GRT EIS engine monitor. The base model even includes synthetic approach to any runway, and depiction of obstacles on the PFD screen.

Model No.	Description	Part No.	Price
EX7-SPORT-BAS-PKG3	Basic Pkg	11-16021	$1,995.00
EX7-SPORT-ADV-PKG	Advanced Pkg	11-16023	$2,395.00
EX7-SPORT-ADV-TOUCH-PKG	Advanced Touch Pkg	11-16024	$2,941.00
EX7-SPORT	Display with AHRS / GPS / Antenna / Harness	11-16033	$1,495.00
EX7-OPT-MAP	Moving Map Option	11-16034	$249.95
EX7-OPT-SYN	Synthetic Vision Option	11-16035	$399.95
EX7-OPT-ADS-B	Ads-B Display Option	11-16036	$199.95
EX7-OPT-BT	Bluetooth Interface Option	11-16037	$39.99
EX7-OPT-3SERIAL	Additional 3 Serial Ports Option	11-16038	$199.95
EX7-OPT-MAG	Digital Magnetometer Option	11-16039	$259.95
EX7-OPT-ANALOG	Analog Input Option	11-16040	$199.95
EX7-OPT-IFR-AP	IFR Autopilot Commands Option	11-16041	$399.95
EX7-OPT-TOUCH	EFIS Touch Screen Option	11-16043	$274.95

GRAND RAPIDS EIS ENGINE MONITORS

A complete engine monitoring system at an affordable price. The EIS Model 4000 starts with the most comprehensive EGT/CHT monitor available anywhere, and then adds every other engine monitoring function you need, and more! Utilizing a back-lit, sunlight readable display, the EIS provides user-programmable graphical and digital displays in a compact package. A host of other useful features and the scrutiny of the 62 alarms, add the final touches to make your flying a safe, satisfying, and enjoyable experience.

Description	PN	Price
M2000 2 Stroke Basic Monitoring Instrument Only	11-16045	$407.00
M2004 4 Stroke Basic Monitoring Instrument Only	11-16046	$495.00
M4000 4 Cyl Full Engine Monitoring Instrument Only	11-16047	$775.00
M6000 6 Cyl Full Engine Monitoring Instrument Only	11-16048	$826.00
M9000 9 Cyl Full Engine Monitoring Instrument Only	11-16049	$1,014.00
M2000 For Powered Parachutes With 2 Stroke Engine	11-16051	$562.00
M4000 For Powered Parachutes With 4 Stroke Engines	11-16052	$649.00
M4000 For Powered Parachutes With Rotax 912/914 Engine	11-16054	$649.00

AV

ADVANCED FLIGHT SYSTEMS AF3400

AF-4500EF 8.4"   **AF-3500EF 8.4"**   **AF-3400 6.5"**

Can be configured as an EFIS (EF), Engine Monitor (EM), or Combination (EE) or both with the appropriate hardware modules installed. Utilize the Advanced Avionics Bus allowing the pilot and copilot displays to exchange screens. Powered by a state-of-the-art certified Crossbow AHRS engine. LCD display is 50% brighter than any competitor. EFIS — Unlike other systems the horizon display is generated from an internal Crossbow AHRS that is based on certified boards and software. The display features a clear and easy to read airspeed indication with user adjustable color ranges, the altimeter is set using a familiar and convenient adjustment knob. Heading display is generated from a remote mounted magnetometer. The heading can be displayed on a tape across the top or with our new EFIS DG©. Other flight instruments functions include a slip ball and user-configurable g-meter. Aircraft Monitoring and Data Acquisition System — The system continuously monitors and displays not only all aircraft engine data but any of the standard instruments can be eliminated or added to the screen. Mapping — An optional feature, your AF-3400s/3500s can now be configured with onboard mapping. Position is derived from an outboard GPS signal and displayed on the screen. Several display page options can be selected.

Model	Part No.	Description	Price
		Single Screen Systems	
AF-5500	11-11833	AF-5000 EFIS, Basic Map, EMS, AHRS	$5,695.00
AF-5600	11-11835		$6,295.00
		Dual Screen Systems	
AF-5500	11-11837	Dual (2) AF-5000 EFIS, Basic Map, EMS, AHRS	$8,795.00
AF-5600	11-11838		$9,949.00
AF-5800	11-11839		$11,110.00
		EFIS Screens	
AF-5200	11-11787	Display	$2,874.00
AF-5500	11-10556	Display	$3,866.00
AF-5600	11-10557	Display	$4,251.00
AF-5800	11-11788	Display	$4,830.00
		EFIS Screen Options	
AF-Touch	11-11789	Touch Screen Option	$966.00
72010	11-11790	AHRS AFS	$1,449.00
71300	11-11791	Engine Board	$495.00
AF-MAP	11-05963	Advanced Mapping Software	$495.00
20530	11-07181	EFIS AOA Option	$593.00
AF-VPX-Key	11-11792	Vertical Power Interface Software	$272.95
AF-WX-Key	11-11793	Weather Interface Software (Free with 74110)	$247.95
AF-XPDR-Key	11-11794	Transponder Interface Software (Free with 74109)	$247.95
		EFIS Optional Equipment	
71703	11-11795	AF-5000 Back-up Battery	$281.95
73101	11-08324	AF-GPS Moule	$289.95
74120	11-11796	Comm Radio	$1,245.00
74110	11-11797	ADS-B Receiver Module	$772.00
74109	11-11798	Mode S ES Class 1 Transponder	$2,308.00
71400	11-05964	ARINC Adaptor	$495.95
74103	11-08325	XM Weather Module with GPS	$988.00
74125	11-11799	Audio Panel	$1,445.00
		Autopilot System Parts	
80012	11-11801	AF-Pilot Autopilot System (STD Servos)	$2,395.00
		Advanced AOA Systems	
20521	11-11813	AOA Sport System Aluminum Wing	$840.00
20511	11-11823	AOA Pro System Aluminum Wing	$1,375.00

LAVERSAB AUTOMATED PITOT STATIC TESTER (FOR LIGHT JETS)

The Model 6250 is used to perform leak-checks and accuracy checks on the Pitot Static systems of RVSM aircraft. Accuracy checks are typically performed on altimeters, airspeed indicators and VSI's. The high accuracy of the Static output is fully compliant with RVSM requirements. The high accuracy of the Pitot output is ideally suited for checks at low airspeeds. The Model 6250 is equipped with a Remote unit which has a large sunlight-readable display and a keypad. An internal 8-hour battery (optional) makes the tester completely portable. The wide operating temperature (optional) makes it usable in any environment. The "Profiles" feature makes it very easy to use. Calibration is required only once a year. The 6250 is also WiFi-enabled. With these distinctive features, the Model 6250 is the ideal Pitot Static tester for light RVSM Jets. ....P/N 12-04748 ....**$14,500.00**

LAVERSAB RVSM AUTOMATED PITOT STATIC TESTER - ALL AIRCRAFT

The Model 6270 is used to perform leak-checks and accuracy checks on the Pitot Static systems of RVSM aircraft. Accuracy checks are typically performed on altimeters, airspeed indicators and VSI's. The high accuracy of the Static output is fully compliant with RVSM requirements. The Model 6270 is equipped with a Remote unit which has a large sun light-readable display and touch-screen. A redundant keypad is also included. An internal battery (optional) makes the tester completely portable. The wide operating temperature (optional) makes it usable in any environment. The "Profiles" feature makes it very easy to use. Calibration is required only once a year. The 6270 is also WiFi-enabled. With these distinctive features, the Model 6270 is the ideal Pitot Static tester for RVSM-compliant aircraft.
P/N 12-04749 ....**$17,000.00**

LAVERSAB UNIVERSAL PITOT STATIC ADAPTER

Laversab Universal Adapter for Pitot Static Testers. For most aircraft and helicopters. Customized adapters. Full adapter-kits for specific aircraft.
P/N 12-04751 ......**$3,500.00**

LAVERSAB PITOT STATIC TESTER (NON-RVSM)

The Model 6200 is used to perform leak-checks and accuracy checks on the Pitot Static systems of non-RVSM aircraft. Accuracy checks are typically performed on altimeters, airspeed indicators and VSI's. The high accuracy of the Pitot output is ideally suited for checks at low airspeeds. The Model 6200 is equipped with a Remote unit which has a large sunlight-readable display and touch-screen. A redundant keypad is also included. An internal 8-hour battery (optional) makes the tester completely portable. The wide operating temperature (optional) makes it usable in any environment. The "Profiles" feature makes it very easy to use. Calibration is required only once a year. The 6200 is also WiFi-enabled. With these distinctive features, the Model 6200 is the ideal Pitot Static tester for helicopters and non-RVSM aircraft...P/N 12-04747 ....**$11,900.00**

LAVERSAB PITOT STATIC HOSE KIT 2

Laversab Pitot Static Hose Kit 2. For connecting Models 6150, 6200, 6300 (all models) to aircraft with relatively small airframes.
Includes the following: • 4 each, #4 Hoses, 20 ft. length with #4 AN-female fittings on each end • 2 each, #3 Hoses, 2 ft. length with #3 AN-female fittings on each end • 2 each, Reducer #4 AN-male to #3 AN-male.
P/N 12-04752 ....**$790.00**

MGL AVIONICS

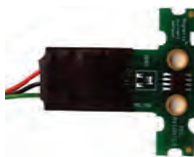## SW AVIONICS V6 VHF AVIATION RADIO TRANSCEIVER

Based on the digital technology intruduced in the V10, the V6 provides the same powerful 6W transmitter and modulation system. Designed for 25Khz spacing with 8.33Khz compatible operation selectable, the dual scan receiver boasts the fastest scanning time which means no loss of reception quality during receive of the standby channel. 100 channel storage and channel operating mode compatible with the V10. Four place, dual circuit intercom system with full isolate. Each intercom microphone input has its own level control and VOGAD noise suppression system. Dual PTT inputs. Black box flight recorder audio output. The intercom outputs are fully stereo with a dedicated stereo music input plus two auxiliary channels for mobile phone and EFIS annunciators. The V6 radio fits a standard 2 1/4" round instrument hole from the rear and provides simple mounting due to captive nuts. Wide Operating voltage range: 12V to 28V DC. ....P/N 11-10464 ......**$1,195.00**

MGL AVIONICS XTREME MINI EFIS

The XTreme EFIS is a mini-EFIS unit based on a 4.3" sunlight readable, wide viewing angle, high resolution LCD display. It integrates an SD card reader (for software updates and for flight data recorder), 5 buttons, a rotary control and a basic GPS navigator (functions available in future firmware release). It can be connected to standard MGL Avionics AHRS sensors and RDAC (engine monitor) boxes. It also integrates a CAN Aerospace compatible communications interface that will be used with future versions of MGL Avionics sensors. Standard RS-232 ports are also available. The XTreme is designed to fit a standard 3 1/8" round instrument hole.

P/N 11-08757 ......**$1,295.00**

MGL MAGNETIC CURRENT MEASUREMENT SENSOR

This sensor can be used to measure DC currents in aircraft power systems in a wide range from less than 4A to as high as 120A depending on installation and configuration. The sensor connects to an EFIS system via spare RDAC inputs. G1 and G2 EFIS systems can support up to 4 of these sensors while Enigma can support 2. ....P/N 11-10422 ....**$50.00**

HIGH ACCURACY CURRENT SENSORS

The ME CS-6AB & ME CS-6CB is easy to install using just shrink tubing and zip-ties, and is compatible with any display device expecting 0-5v current sensor input. It is easy to calibrate using a simple process that yields exceptional accuracy. Basic version designed to be operated with Engine or Flight monitoring systems that provide 5 volts to supply external sensors and accept a 0-5v input with zero current being at 2.5 volts. No input voltage protection beyond 30v, wire with caution.
5V ....P/N 11-13991 ....**$58.99**
7-30V ....P/N 11-13992 ....**$58.99**

MGL ELECTRONIC CIRCUIT BREAKER MODULE ECB

The ECB module provides 8 electronic circuit breakers. All breakers have the same characteristics: DC current up to 10A (programmable via dipswitch profile selection) or via an external device. Suitable for 12V or 24V DC aircraft power systems. Highly reliable, fault tolerant design – continues to operate even in case of total internal electronics failure.
Electronic Circuit Breaker Module ECB.......P/N 11-13634 ....**$420.00**
Electronic Circuit Breaker Light & Switch Kit ...P/N 11-13635 ....**$128.75**

MGL AVIONICS SERVO

MGL Avionics Servo with a generic hardware and pushrod kit.

P/N 11-10423 ....**$950.00**

MGF SPORT MOUNT PANEL TILT & SWIVEL - FLUSH

The Sport Mount - Panel Flush is for pilots who want to mount any size iPad or Tablet in any size or type of case on their panel in an open instrument spot or other smooth surface. This mount comes with a Sport™ Adapter mounting system...P/N 13-12429 ....**$164.00**

MGL ENIGMA MKIII

The "Enigma MKIII" is based on the iEFIS Discovery and shares its housing and large 7" high resolution screen. It has about the same outside dimensions as the original Enigma, but it is a completely different system.

It will be fully self-contained (no iBox) and features a built-in Attitude Gyro. It provides two RS232 ports and a CAN-interface for connection to RDAC, compass and other devices. It contains a built-in GPS and full pitot/static sensors. The software is based on a simplified version of the iEFIS and is aimed at providing simple installation and simple operation. Only GPS navigation is supported. The Autopilot is included.

The Engima MKIII effectively fits between the XTreme mini EFIS and the iEFIS Discovery.

CALL OR VISIT OUR WEBSITE FOR DETAILS.

MGL IEFIS CHALLENGER 10.4 INCH TOUCHSCREEN

The iEFIS is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. Pressure sensitive, sunlight readable touchscreen that can also be operated using gloves. The pressure sensitive 10.4" touchscreen operates much like a tactile button preventing false activation when touching the screen in turbulent conditions. A simple but highly effective solution. The large amount of flexibility built into the base system allows the adaptation of the iEFIS to almost any mission and aircraft. The iEFIS screens can be completely edited by the user using a simple PC program to create any display the user desires. This makes the system absolutely the most customizable EFIS on the market today! Due to low system cost, the iEFIS is equally suited to light aircraft, gliders and rotorcraft, while providing enough flexibility to be utilized by multi-engine aircraft with up to 4 engines monitored, and by turbine aircraft and even spacecraft. .....P/N 11-12044 ......**$2,995.00**

MGL CHALLENGER LITE TOUCHSCREEN EFIS

The iEFIS Lite series from MGL Avionics is set to revolutionize the small airplane instrument panel. If just a single EFIS screen is required in your Experimental airplane, the iEFIS Lite offers everything needed.

Features a bright non-reflective 10.4" touchscreen of around 2000+ nits.It looks, feels and operates just like a regular iEFIS, however it does not require the additional iBox and AHRS since pitot/static, GPS receiver, and attitude sensor are all built into the back of the screen. The iEFIS-Lite concept of the all-in-one EFIS is unmatched in the market. It has the same powerful G3 processor and runs the same firmware as the regular iEFIS system and has all of the same software features - just less external hardware complexity.The iEFIS-Lite has the fewest modules to install and the easiest installation in the homebuilt market.

Like all our G3 iEFIS systems it comes with a World wide high resolution terrain database built in plus a World wide vector map. It is compatible with MGL's new "MapMaker 2" raster map format.
8.5 Screen ....P/N 11-16712 ......**$3,195.00**
10.5 Screen ....P/N 11-16713 ......**$3,695.00**

MGL XTREME EMS

The XTreme EMS is based on a 4.3" sunlight readable, wide viewing angle, high resolution LCD display. It integrates an SD card reader (for software updates and for engine data recorder), 5 function buttons, a rotary control. It can be connected to standard MGL Avionics RDAC (engine monitor) boxes (required). The XTreme EMS is designed to fit a standard 3 1/8" round instrument hole. The body is located off-center allowing the unit to replace instruments on the right side of a standard 6-pack configuration or any other location that currently occupies two instruments. Due to the light weight and very low mounting depth no complicated mounting brackets or trays are needed. Power use is low and operation from much less than 12V to around 28V is fully supported
P/N 11-10393 ....**$950.00**

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MGL IEFIS PACKAGES

About iEFIS Lite Series:
The iEFIS Lite series from MGL Avionics is set to revolutionize the small airplane instrument panel. If just a single EFIS screen is required in your Experimental airplane, the iEFIS Lite offers everything needed. The iEFIS Lite is a stand-alone system unlike our standard iEFIS systems where you can have multiple, joined panels in a complex infrastructure. The MGL Lite Series includes the Discovery-Lite 7", Explorer-Lite 8.5", and the Challenger-Lite 10.4", all with Touchscreen EFIS GPS Antenna.

About iEFIS Regular Series:
The iEFIS is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. It is the next generation EFIS system utilizing a custom developed, pressure sensitive, sunlight readable touchscreen that can also be operated using gloves. iEFIS combines the undeniable advantages of simplified operation that a touchscreen can offer with rich traditional controls that are equally indispensable in the cockpit environment. The pressure sensitive touchscreen operates much like a tactile button preventing false activation when touching the screen in turbulent conditions. The MGL Regular Series includes the iEFIS Explorer and Challenger.

Worksheet Steps	Description	Part No.	Price
Select iEFIS	Discovery-Lite	11-16867	**$3,835.00**
	Explorer-Lite	11-16868	**$4,029.00**
	Challenger-Lite	11-16869	**$4,195.00**
Select Regular iEFIS	Explorer	11-16870	**$5,163.00**
	Challenger	11-16871	**$6,326.00**
Select Engine Monitoring	Lycoming (4-Cylinder)	11-16872	**$765.00**
	Lycoming (6-Cylinder)	11-16873	**$975.00**
Select V16 Radio	V16 & Razor (3 1/8")	11-16874	**$1,684.00**
	V16 & Vega (2 1/4")	11-16875	**$1,524.00**

IEFIS LITE WITH GPS ANTENNA PACKAGE INCLUDES

Description
iEFIS Discover-Lite, Explorer-Lite, or Challenger
SP-6 Advanced Magnetometer Sensor Package (Compass)
RDAC XF, 12 Thermocouple Channels
Harness- iEFIS-Lite Power/CAN/ RS-232 Harness
Harness, CAN Bus Harness Kit for Single Device
Harness- RDAC XF with CAN Bus
OAT Probe- Aluminum

IEFIS EXPLORER & CHALLENGER TOUCHSCREEN PACKAGE INCLUDES

Description
Regular IEFIS Explorer or Challenger
iBox Normal Speed ASI (30-250 mph)
SP-6 Advanced Magnetometer Sensor Package (Compass)
SP-7 Advanced Attitude Sensor Package (Horizon)
RDAC-XF MAP, 12 Thermocouple Channels & MAP
Harness- iBox CAN Bus Harness for iBox and 2 Devices
Harness- RDAC XF with CAN Bus

SELECTING AN ENGINE MONITORING PACKAGE INCLUDES

Description	Qty.
Lycoming 4-Cylinder:	
CHT, bayonet-style 3/8"-24, Type-K	4
Type-K Thermocouple Extension Cable, per foot, with splice kits	20
Type-K EGT Thermocouple, Cramp-Type, Small 1 1/4" dia. Exhaust	4
Westach Oil Temp Sender 5/8-18 UNF Thread (Lyc/Cont.)	1
VDO 360-004 Oil Pressure Sender, 145 PSI, 1/8-27 NPT	1
FT-60 Red Cube Fuel Flow Transducer (0.6-70 GPH)	
*Note: Never use RTV or similar sealants when installing fuel system components	1
UMA T149-1 Tachometer pickup for Slick Mag	1

Description	Qty.
Lycoming 6-Cylinder:	
CHT, bayonet-style 3/8"-24, Type-K	6
Type-K Thermocouple Extension Cable, per foot, with splice kits	25
Type-K EGT Thermocouple, Cramp-Type, Small 1 1/4" dia. Exhaust	6
Westach Oil Temp Sender 5/8-18 UNF Thread (Lyc/Cont.)	1
VDO 360-004 Oil Pressure Sender, 145 PSI, 1/8-27 NPT	1
FT-60 Red Cube Fuel Flow Transducer (0.6-70 GPH)	
*Note: Never use RTV or similar sealants when installing fuel system components	1
UMA T149-1 Tachometer pickup for Slick Mag	1

V16 RADIO PACKAGES INCLUDE:

Description
V16 and Razor (3 1/8") or V16 and Vega (2 1/4")
V16 Remote 10 Watt VHF Aviation Transceiver (Compass)
Vega VHF Control Head (2 1/4" Display)
Harness-MGL V16 Com & Razor/Vega Control Head-Standard 2-place
RG 400 Coax Cable for V16/Sandia/EchoUAT, 1 BNC & 1 SMA-8ft
Harness-VHF Comm Antenna- Delta Pop Red Tall- Bent

MGL IEFIS EXPLORER

The Explorer EFIS introduces a custom developed touch pressure sensitive LCD screen aimed exclusively at the small aircraft application. With the ability to accurately measure contact force in all conditions, it becomes possible to utilize the user interface advantages of a touch screen even in turbulent flight.

Unlike conventional touch screen technology, MGL's "tap screen" can be used with gloves, is completely unaffected by sunlight and even uses a polarized anti reflective and anti glare film. The tap screen uses only high quality optical glass in its construction and thus has no negative effects on the image quality, even in difficult light conditions. The tap screen is further qualified for zero pressure conditions such as experienced in space and is not affected by sudden, large pressure changes.

Recognizing that some operations can never be fully replaced by a touch screen, the Explorer adds no less than 5 "clickable" rotary controls which assume functions depending on current need plus adds conventional, tactile buttons for quick access to often used functions regardless of what appears on the screen.

<div style="margin-left:1em;">**AV**</div>

Description	Part No.	Price
MGL IEFIS Explorer 8.5" Touchscreen	11-10816	**$2,500.00**
Accessories		

Description	Part No.	Price
MGL IBOX	11-10826	**$1,150.00**
MGL IEFIS Explorer Harness Kit	11-10827	**$359.90**
Ibox Harness for SP-6/SP-7	11-11230	**$270.00**
Servo Harness for Two Devices	11-11231	**$190.00**
RDAC XF with Can Bus Harness	11-11232	**$90.00**
EI FT 60 Fuel Flow Transducer For < 350hp / Fuel Pump	10-01196	**$229.95**
Westach Temp Probe 5/8-18 THD 1" Tip 4 Lead 399s9 Non TSO	10-01236	**$63.75**
MGL CHT Bayonet 3/8"-24 TYPE K	11-05565	**$35.00**
MGL EGT Thermocouple Clamp Small	11-07842	**$50.00**
VDO Oil Pressure Sender 150PSI	11-08066	**$45.00**
MGL Tach Pick Up For Slick Mag	11-08334	**$119.75**
MGL SP-7 Stnd Atttitude Sensor	11-09743	**$700.00**
MGL SP-6 Magnetometer Sensor	11-09744	**$260.00**
MGL RDAC XF MAP 12 Thermocouple Channels With Map	11-10676	**$375.00**

MGL RDAC OPTIONS

RDAC-XF	MGL RDAC XF 12 Thermocouple Cannels	11-10674	**$315.00**
RDAC-XF MAP	MGL RDAC XF 12 Thermocouple Cannels with Map	11-10676	**$375.00**
RDAC-CAN	MGL RDAC for Rotax 912IS Engine	11-11296	**$215.00**

AHRS ATTITUDE / HEADING SENSORS

SP-6	SP-6 Magnetometer Sensor (Compass)	11-09744	**$260.00**
SP-7	SP-7 Standard Attitude Sensor (Horizon)	11-09743	**$700.00**

STRATOMASTER 2-1/4" INFINITY SINGLES

ALT-1	Encoding Altimeter	11-15988	**$375.00**
ASV-1	Encoding Altimeter / Airspeed Indicator	11-15990	**$425.00**

STRATOMASTER 3-1/8" VELOCITY SINGLES

ASV-2	Altimeter / Airspeed Indicator	11-16586	**$455.00**
FF-5	Fuel Computer	11-16587	**$395.00**
RPM-2	RPM Indicator	11-16591	**$325.00**

Prices Subject to Change Without Notice

LEVIL BOM ALL-IN-ONE AVIONICS SUITE

The BOM (Broadcasting Outer Module) is the first and only aerodynamic pod that mounts under the wing of the aircraft. All components are incorporated into the BOM, making it a fully independent, completely wireless, self-powered, all in one avionics device. Avionics include WAAS GPS, ADSB-in, AOA, Air Data (Altitude, Airspeed), AHRS (Attitude, Directional Gyro, Turn Coordination, rate of turn, VSI) and outside air temperature. Once it is installed, the BOM connect via Wi-Fi to a tablet inside the cockpit and data can be displayed on multiple Apps thanks to its open protocol. The BOM conforms with 14 CFR 21.8(d) as a secondary source of information in certified aircraft.

Without ADS...P/N 11-15312 ......**$1,535.00**
With ADS..P/N 11-15311 ......**$1,872.00**

ILEVIL 3 SW

The next generation of iLevil is here! and it brings exciting features and capabilities. This portable tool combines the latest in GPS, AHRS, ADS-B, and Data Recording technology to bring pilots an affordable backup solution that is both Android and iOS compatible. The internal GPS and AHRS provides all the navigation information you need to turn your tablet into a real glass panel. The embedded dual band ADS-B receiver allows you to monitor weather radar, METARS, etc in addition to traffic information all at your fingertips AND without any subscription. The iLevil3 SW adds the Data Recording feature which allows you to insert a SD Card and record all of your flight data (position, airspeed, altitude, attitude, etc.) and display the information on various platforms. You have to option to preset your desired file recording format, depending on how you wish to use the data (.gpx,.fdr, or .csv). The SW model also has a large solar panel, outstanding ADS-B reception, enhanced GPS sensitivity and compatibility with your favorite apps making it our most popular product for General Aviation......................................P/N 11-14492 ......**$1,095.00**

LEVIL ASTRO LINK ADS-B RECEIVER

Get into the skies with one of the most reliable wireless avionics module available in the market today. Meet the Astro Link, an affordable portable device that combines a state-of-the-art aviation grade AHRS technology, dual-band ADS-B Receiver, and an internal WAAS GPS for navigation. This USA made device brings peace of mind to every pilot by offering a progressive back-up solution at any time. The Astro Link is capable of driving Synthetic vision displays and provides navigation information you need to turn your tablet into a real glass panel.

This USA made device brings peace of mind to every pilot by offering a progressive back-up solution at any time....P/N 11-17222 ....**$579.95**

ILEVIL SPORT PORTABLE AHRS GPS

The Sport combines the latest in GPS and AHRS technology to bring pilots an affordable backup solution that is both Android and iOS compatible. The battery lasts up to 8 hours when fully charged and the solar panels will increase the battery life up to 12 hours on a bright sunny day. The iLevil Sport utilizes WiFi technology to sync as many devices as you want simultaneously! The integrated serial port is designed to relay information from external devices such as the NavWorx ADS600-B ADS-B transceiver, providing certified GPS, Weather and Traffic information to your mobile devices on top of back-up AHRS. Take it from airplane to airplane or leave it installed, the iLevil Sport will provide peace on mind on every flight!
Note: The iLevil Sport does not have an on-board ADS-B receiver.
P/N 11-12462 ....**$749.95**

CRAZED PILOT CAMERA
AUDIO CABLE FOR GARMIN X/XE

Airplane Recording Cable for GARMIN VIRB X & VIRB XE Cameras. Now you can record live ATC and cockpit audio straight to your Garmin VIRB X or XE camera with no problems at all!
Simply connect this cable kit to your camera, and then to your headset 1/4" audio jack port in your airplane. Plug your headset into the female jack of our cable, and PRESTO everything that you hear in your headset will be recorded to your Garmin VIRB X or XE camera. This cable is made from quality molded plastic, and utilizes a straight cord, allowing the cable to tuck easily into edges and out of camera view. This also prevents accidental entanglement with the cord while flying. Cable is 5.5 ft long giving you ample length to place your camera wherever you like!...P/N 11-16633 ....**$81.75**

VIRB® ULTRA 30 AVIATION CAMERA SYSTEM

This best-in-class camera shoots up to 4K/30fps video action to show all your adventures in crisp, brilliant detail. VIRB Ultra 30 contains gyro-based motion sensors to detect camera movements and to help keep your shot steady, and electronic image stabilization[1] reduces camera shake and blur on bumpy flights. The VIRB Ultra 30 Aviation Bundle also includes a prop filter that helps remove the prop blur from your videos, and it features a headset audio cable so you can capture intercom cockpit chatter and ATC radio while flying. Plus, it's Bluetooth-equipped, so it can connect directly to compatible hands-free headsets so you can narrate your videos. And with the GMA 350c and GMA 245 series of audio panels, you can capture intercom and ATC radio wirelessly and in high definition — without the need for the headset audio cable.
North America.
Included:
• VIRB Ultra 30 action camera
• Waterproof case
• Lithium-ion battery
• Charging/data cable
• Flat and curved adhesive mounts
• Standard and vertical mount adapters
• Short and long screws
• Short and long extension arms
• Wrench
• Anti-fog kit
• Garmin VIRB sticker
• Round prop filter[1]
• Headset audio cable kit
• Cage with protective lens
• Documentation ....P/N 11-14839 ....**$499.99**

GARMIN VIRB ACCESSORIES

Description	Part No.	Price
Garmin Virb Headset Audio Cable	11-12660	$49.99
Gamrin Virb Prop Filter	11-12659	$49.99
Pilot USA Virb To Dual Ga Headset Recording Adapter	11-12270	$45.50
Pilot USA Virb Video Adapter USB To Helicopter Ga	11-12271	$59.85
Garmin Pilot App Pro Unlock W/ Safetaxi & Geo Ref Charts	13-11867	$149.99
Garmin Audio Video Cable	10-05797	$29.50
Garmin Virb Headset Audio Recording Cable	11-12916	$39.50
Garmin Virb USB Power Adapter	10-05785	$24.95
Garmin Lithium Ion Battery Charger	10-05784	$23.95
Garmin Pilot App (1 year)	13-11866	$75.00
Garmin Virb Car Charger	11-14880	$23.95
Garmin Battery for Virb Elite and Aera 660	11-13264	$29.95

GARMIN VIRB X/XE ACCESSORIES

Description	Part No.	Price
Garmin Virb® X / XE Headset Audio Cable	11-13813	$48.95
Garmin Virb® X / XE Remote Control	11-13814	$48.95
Garmin Virb® X / XE Suction Cup Mount	11-13812	$22.95
Garmin Virb® X / XE Large Adhesive Base	11-13817	$23.95
Camera Hood for Drift and Virb Elite	11-15045	$35.95

CRAZED PILOT AIRCRAFT CAMERA KIT

CRAZEDpilot Action Camera Kit for Aircraft is the first affordable camera with included CRAZEDpilot Audio Cable for recording your ATC communications, tower calls, or even the intercom chats on your favorite family trip! Save hundreds of dollars over competitor cameras, plus this camera includes all the items needed to record HD video AND the audio of your next flight at the same time!
CRAZEDpilot has teamed up with SJCAM to provide an excellent quality and supported camera with GoPro compatible mounting tabs which includes every attachment you see in the product photos including mounts, waterproof case, skeleton case for use when recording audio, tube mounts (for interior use only), lens cover, sticky mounts, and even a lens wipe cloth! Great for student pilots or the person that like to create video memories!
Does not include MicroSD card. ....P/N 11-16632 ....**$189.85**

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Important Notes: • GoPro products can only be shipped within the USA and Canada. Cannot ship internationally. • SD Cards not included. See "Accessories" to purchase SD Cards separately • To enable recording of cockpit audio through intercom or radio, part number 11-11565 (Dual GA Headsets) or part number 11-11567 (Helicopter Headsets) must be purchased separately. See "Accessories".

GOPRO HERO7 WHITE ACTION CAMERA

Say hello to HERO7 White, the perfect partner on any adventure. It's tough, tiny and totally waterproof so it can go wherever you do. An intuitive touch screen makes it simple to get great shots. Just swipe and tap. Use the photo timer to grab a sweet selfie. You can even shoot vertically then add your photos and videos right to your Instagram Story. Your shots move to the GoPro app automatically to share on the spot. 2 From awesome moments to everyday experiences, capture the fun in creative new ways with HERO7 White.......................................P/N 11-16704 ....**$199.99**

GOPRO HERO7 SILVER ACTION CAMERA

Meet HERO7 Silver, the perfect camera for adventures big and small. It's built tough and totally waterproof—just grab it and go for it. Smooth 4K video and vibrant WDR photos make every moment look amazing. GPS lets you track how fast, high and far you went.1 With an intuitive touch screen, it's simple to jump right in and get great shots. Plus, your photos and videos move right to the GoPro app for easy sharing.2 From beach days to vacays to good times with the family—capture your life in a fresh new way with HERO7 Silver.

P/N 11-16703 ....**$299.99**

GOPRO HERO7 BLACK 4K ULTRA HD CAMERA SYSTEM WITH SD CARD

Freakishly smooth footage. Smart-capture superpowers. Battle-tested and waterproof without a housing. This is HERO7 Black, the most advanced GoPro ever. With HyperSmooth stabilization, you'll get gimbal-like video—without the gimbal. A new intelligent photo mode delivers the best, most brilliant images automatically. And now with live streaming and the GoPro app, you can share every amazing moment as you live it. HERO7 Black takes GoPro performance—and your photos and videos—to a whole new level.

P/N 11-16702 ....**$399.99**

Accessories	Part No.	Price
Dual Battery Charger & Battery for Hero 5 Black	11-14721	$49.95
Hero 5 Rechargeable Battery	11-14722	$19.95
Hero 5 Protective Lens Replacement	11-14723	$19.95
Hero 5 Super Suit	11-14724	$49.95
Hero 5 Black Replacement Side Door	11-14725	$19.95
Hero 5 Pro 3.5mm Mic Adapter	11-14726	$49.99
Hero 5 Screen Protectors	11-14727	$19.95
Hero 5 Session Replacement Door	11-14729	$19.99
Hero 5 Session Lens Replacement Kit	11-14730	$19.99
Hero 5 Black The Frame	11-14731	$29.99
Nflightcam 58mm Propeller Filter for Hero 5 Black	11-14811	$59.99
Nflight Gopro Hero 5 Cockpit Kit	11-14899	$199.99
Nflight Metal Cage	11-14876	$59.99
Nflight Audio Solution	11-14875	$89.99
Hero 5 Safe Case with Mount	11-15063	$88.95
Hero 5 Safe Case Metal	11-15056	$68.95
Crazedpilot Gopro Hero 5 ATC Recording Cable	11-14862	$66.80
Crazedpilot Gopro Hero 5 ATC Recording Cable - Heli	11-14863	$81.75

GOPRO ACCESSORIES

Description	Part No.	Price
Hero 3 Chest Mount Harness	11-11397	$39.85
Hero 3 Handlebar Mount	11-11398	$21.75
Hero 3 WIFI Remote Charging Cable	11-11403	$19.99
Hero 3 WiFI Remote Mounting Kit	11-11404	$19.99
Hero 3 Wall Charger	11-11407	$39.99
Hero 4 Rechargeable Battery	11-13427	$19.99
Hero 4 Session Frame Mount	11-13796	$39.99
Flat and Curved Adhesive Mounts 6pc	11-11413	$19.99
Grab Bag of Mounts for quick-release cameras	11-11964	$17.95
Junior Chest Mount Harness	11-12141	$39.99
Suction Cup Mount	11-12143	$39.99
"Jaws" Flex Clamp Mount	11-12145	$49.95
Pilot USA Gopro Hero 3 to Dual GA Headset Recording Adapter	11-11565	$44.95
Nflightcam Hero 3 Plus Propeller Filter	11-12335	$59.99
Nflightcam Gopro Audio Cables	11-12337	$39.99
Nflightcam Suction Cup Mount	11-12339	$29.95
Floaty Backdoor	11-12208	$19.99
Knob and Nut Kit	11-11830	$15.50
Nflight Extreme Gopro Mounting Kit	11-13891	$89.95
Gopro Tripod Mount	11-14091	$19.99
Gopro Portable Power Pack	11-14833	$42.85
Gopro Camera Tethers	11-14832	$19.99
Gopro Bag(pack of 5)	11-14814	$19.99
Gopro Ball Joint Buckle	11-14815	$14.50
Gopro Casey(Camera, Mounts, and acc. Case)	11-14816	$35.75
Gopro The Handler(Floating Grip Handle)	11-14817	$21.50
Gopro Large Tube Mount	11-14818	$28.60
Gopro The Strap (Hand/Wrist/Arm/Leg)	11-14819	$42.90
Gopro Pro Seat Rail Mount	11-14820	$28.60
Gopro The Jam(Adhesive Music Mount)	11-14821	$35.75
Gopro Micro SD Card Reader Type C Connection	11-14822	$19.99
Gopro Micro SD Card Reader Lightning Connector	11-14823	$29.99
Gopro Micro SD Card Reader Micro USB Connector	11-14824	$19.99
Gopro Handlebar/Seatpost/Pole Mount	11-14825	$42.90
Gopro Removable Instrument Mounts	11-14826	$14.50
Gopro 128GB Lexar Pro Micro SDXC Memory Card	11-14827	$160.75
Gopro Standard Frame for Hero Session	11-14828	$19.99
Hero 4 Session Lens Replacement Kit	11-14829	$39.99
Gopro Low Profile Slide Helmet Mount for Hero Session	11-14831	$21.50
Nflight Ultimate Action Cockpit Mounting Kit	11-14879	$99.99
Nflight Metal Cage and Filter for Session	11-14392	$79.99
RAM Gopro Action Camera Adapter	11-14966	$22.49
RAM Adapter for Gopro Mounting Bases B Size Ball	11-14965	$9.99
Gopro Slim Surface Mount	11-15048	$58.90
Hero 3/4 Safe Case with Mount	11-15062	$98.85
Gopro Slim Robby Clamp	11-15051	$58.90
Gopro Slim Tie Down Mount	11-15050	$58.95
Gopro Lens Replacement for Session	11-14830	$19.99
Suction Cup Mount	11-15047	$38.95

VISIT WWW.AIRCRAFTSPRUCE.COM FOR MORE GOPRO ACCESSORIES.

GOPRO HERO7 BLACK - PILOT / FLIGHT SCHOOL KIT

Everything you need to start recording student sessions in the cockpit. Includes the cables necessary to record cockpit communication as well as the frame mount to mount the camera in the proper area. The GoPro camera can be paired with any iPhone, iPad, or Android via the GoPro App for instant video playback. Freakishly smooth footage. Smart-capture superpowers. Battle-tested and waterproof without a housing.

P/N 11-11518 ....**$519.00**

GARMIN VIRB® 360 WATERPROOF SPHERICAL CAMERA

Rugged, Waterproof 360-degree Camera with 5.7K/30fps Resolution and 4K Spherical Stabilization

VIRB 360 is the first of its kind, capturing a complete sphere of high-resolution video and audio — even photos. It eliminates the lengthy editing process with unrivaled 1-click video stabilization up to 4K resolution at 30 fps and allows you to instantly livestream5 any adventure. Defining a New Standard for Full-sphere 360 Video and Audio Capture. If it's worth remembering, it's worth a VIRB 360. This rugged, waterproof camera is true to its name.

P/N 11-15193 ....**$799.99**

ACCESSORIES

Description	Part No.	Price
Garmin Virb 360 Lens Replacement Kit	11-15195	$39.99
Garmin Virb 360 Replacement Cradles	11-15197	$29.99
Garmin Virb 360 Powered Vehicle Mount	11-15199	$98.75
Garmin Virb 360 Tripod Hand Grip	11-15201	$29.99
Garmin Virb 360 Rechargeable Battery	11-15202	$34.99
Garmin Virb 360 Dual Battery Charger	11-15203	$39.70
Garmin Virb 360 Powered Tripod Mount	11-15204	$49.99

MYPILOTPRO MOUNTS FOR GOPRO CAMERAS

PIVOT MOUNT - MyPilotPro is perfect for any private pilot or student pilot who wants to relive their flying experience on a GoPro. The mount will attach to any aircraft's rear or wing tie down. A 3-way pivot arm is included to compensate for the wing dihedral angle. Compatible with all GoPro cameras. Made in the USA..
P/N 13-18886 ....**$49.95**

SWIVEL MOUNT - MyPilotPro Swivel teamed up with RAM Mounts to deliver the best and most versatile GoPro aviation mount in the industry! MyPilotPro Swivel allows your GoPro to articulate in any direction or angle. Attaching MyPilotPro Swivel to your airplane tie downs is simple, secure, and doesn't require any tools. It is compatible with all GoPro cameras. Made in the USA.
P/N 13-18888 ....**$69.95**

SPIDER MOUNT - MyPilotPro Spider is a small footprint and effective design allows you to attach it to any non-porous surface inside the cockpit. The Spider mount is perfect for straight forward filming from the windshield! Attaching the Spider mount could not be easier, just simply put it where you want and push on the top of each suction cup. The suction cups are rated to hold more than 7 times the weight of a GoPro camera, GoPro camera case, and the mount combined! Once you mount the Spider, it's there to stay until you release the suction by pulling on the tabs. The Spider is compatible with all GoPro cameras. Made in the USA.........P/N 13-18889 ....**$24.95**

SPIDER SWIVEL MOUNT - MyPilotPro Spider Swivel is the ultimate cockpit GoPro mount! It articulates in any angle and direction to record your GoPro aviation footage. It's small footprint and effective design allows you to attach it to any non-porous surface inside the cockpit. Attaching the Spider Swivel mount could not be easier, just simply put it where you want and push on the top of each suction cup. The suction cups are rated to hold 5 times the weight of a GoPro camera, GoPro camera case, and the mount combined! Once you mount the Spider Swivel, it's there to stay until you release the suction by pulling on the tabs. The Spider Swivel is compatible with all GoPro cameras. Made in the USA. ....P/N 13-18890 ....**$34.95**

FLIGHTCAM360 4CH VIDEO FLIGHT RECORDER

4ch Digital Video Flight Recorder with Audio and optional GPS, Wifi, or WCDMA. All Audio/Video is captured to an SD card (128Gb max) at D1 max resolution (720x480@30fps). Each camera (4 max) has it's own associated SD card. Audio is captured from the intercom panel with a supplied audio cable. The Flight recorder can output video in single channel or quad style format to any NTSC/PAL type monitor for live viewing. Most EFIS units today accept this type of video format as an input. The flight recorder can be configured to record with aircraft power applied, motion activation, or alarm triggers. This is a compact rugged package that makes it convenient for evidence collection activities, training system, or reliable scenic video capture package.

Standard...P/N 11-14283 ....**$865.95**
with GPS..P/N 11-14284 ....**$962.95**
with WiFi or 3G WCDMA ....P/N 11-14285 ......**$1,058.00**

FLIGHTCAM360 VIDEO FLIGHT RECORDER POD CAMERA

FlightCam360 Video Flight Recorder Pod Camera. • Sony color ccd 700 scan-line optics • Waterproof • 12v operation (power regulation needed) • Aerodynamic aluminum POD mount • POD mount has internal eyeball style swivel capabilities • Camera features interchangeable lenses to provide different FOV and depth of field.
P/N 11-14286 ....**$386.00**

FLIGHTCAM360 4 CAM HD LIVE VIDEO SYSTEM

Flightcam360 4Cam HD wireless waterproof LIVE Streaming Video System with 4000mAh Li Poly battery (8hrs record time, 15hrs standby).
• 1080p60 / 720p120 / 480p240 • 32Gb micro SD card max • 120 degree FOV lens (flat horizon, non-fisheye) • 100ft 5.8ghz wireless video streaming to 7" LCD NON-WIFI (Multiple wireless monitors can be added to system for passenger/copilot live viewing) • 2.4ghz control system for on/off and start/stop recording NON-WIFI • Still frame camera burst mode (12MP) • 4x wireless zoom in/out control • 4 point mounting configuration (1/4-20 universal standard) • Wireless pan base compatible ....P/N 11-14120 ......**$2,695.00**

VISIT OUR WEBSITE FOR MORE NFLIGHT ACCESSORIES.

360FLY 4K SURROUND VIDEO

The 360fly 4K combines a powerful 16-megapixel image sensor with innovative smart camera features — First-Person POV, Motion/Audio Active, Time-Lapse Mode — that redefine what a camera is and does. Water resistant to 1 atm (around 34'), dustproof and shockproof, the 360fly 4K features 64 GB of internal memory and built-in telemetry sensors, including an e-compass and non-assisted GPS. With its brilliant 360° 4K output, the 360fly 4K adds over 6 million pixels, increasing sharpness and saturation in a full 360° x 240° field of view. It comes with everything you need to start capturing and sharing all of life in incredibly rich detail with ease. ....P/N 11-14570 ....**$499.99**

ACCESSORIES

Description	Part No.	Price
360fly Low Profile Suction Cup Mount Black	11-14664	$39.99
360fly Bike Mount Black	11-14665	$29.99
360fly Vented Helmet Mount Black	11-14666	$24.99
360fly Mobile Vr Headset	11-14668	$49.99
360fly Adapter For Quicktwist To 1/4-20	11-14669	$19.99
a360fly Action Camera Adapter Black	11-14670	$29.75

AV

CAMERA SYSTEMS

FLIGHTCAM360 CAMERA SYSTEMS

FLIGHTCAM360 4 CAMERA SHOCKBOX DIGITAL VIDEO RECORDING SYSTEM
Package Contents:
• Sony 550 CCD color camera (4) • 12 foot camera cables (4) • RAM ball and socket camera mounts (4 set) • Stereo audio communication cable (1) • 4Gb SD memory card (1) • Video Editing Software (1) • TV & PC video transfer cables (2) • Charger(1) ..PN 11-07112 ....**$1,799.95**

FLIGHTCAM360 BLIND SPOT ELIMINATOR
Package Contents: • 4" Color LCD Monitor (1) • 12Volt Input Wire Harness (1) • Sony 550 CCD Color Camera (1) • RAM ball and socket camera mount (2) • Note: Video recording can be added separately...P/N 11-08138 ....**$749.95**

FLIGHTCAM360 VIDEO DATA SYNCH BOX
Package Contents: • Data Acquisition Box (1) • Wire harness (1) • GPS Receiver Puck (1) -Air Speed -Altitude -Heading -Location Option: - Garmin Data Port Cable - GPS receive puck. 12-32v input. Rugged aluminum housing construction. Simple 3 button design. Automatic real-time GPS data overlay on to composite video stream. Less than 1amp power draw. RCA style video input/output
Note: The video data synch box can be added to any standard composite video recording system.
P/N 11-08137 ....**$725.00**

DEOHAKO PROPSHOT SMARTY MOUNT WITH LENS
Deohako PropShot Lens - Filtered lens to remove propeller distortion from in-flight videos and photos. Adjustable Lens Positioning -compatible with most smart phones. Universal Smartphone Grip. Rotating Ball Head - Position smartphone at any angle to capture in amazing flight footage. Quick Release, Strong, Wide, 4" Suction base......................................P/N 13-14857 ....**$78.95**

WINGIT MOUNT FOR CESSNAS
WingItMounts™ have take photography to a higher level by mounting cameras to wing strut and taking unique and exciting views of flights.   Holding up to three Gopro cameras, you will be able to capture your flights form unique and exciting views all at the same time. Milled from Aircraft grade aluminum all WingItMounts™ are made to the highest quality materials. No screws or fasteners are needed to attached the WingItMounts™ WIMGP-01 to your airplane. Applications: Cessna: C-150, C-152, C-170, C-172, C-180 or C-182. Camera not included.
P/N 11-11472 ....**$119.95**

NFLIGHTCAM STRUT CLAMP MOUNT
Mount your GoPro, Garmin, or any action camera with a 3-finger (GoPro-style) mount or 1/4"x20 threaded socket to almost any aircraft strut in seconds. This strut clamp will fit anything from a J3 Cub to a Cessna Caravan. Quickly and securely attach your camera by adjusting the clamp to the size of your strut and securing it with the included UV-resistant polyurethane strap. This is not your normal rubber strap; We partnered with long-time outdoor equipment manufacturer, Voile, to produce an extremely tough rubber strap that will not degrade over time............P/N 11-14878 ....**$149.99**

FLIGHTCAM360 CABLES
FlightCam360 Cables for Flight Recorders.
6 Feet ....P/N 11-14287 ....**$47.50**
15 Feet ....P/N 11-14288 ....**$47.50**
30 Feet ....P/N 11-14289 ....**$47.50**
45 Feet ....P/N 11-14290 ....**$47.50**

REMOTE CAMERA SYSTEM
Mounts a traditional camcorder (i.e. Sony) to 1" tubing like on an Ultralight and integrates vibration dampening. Features a full 360 degrees of rotation, and 50 degrees of tilting ability. Includes a grip stick with a hat switch wired to control the camera mount system. The extra thumb switches and trigger can be wired for other accessories like lights and push to talk. It also features a dash mounted LCD screen that allows you to see what the camera is seeing.
Specifications: • Dimensions: 3.5" x 6.13" x 11" • Weight: 7 Lbs. • Electrical: 12VCD • Mount System: Clamps to 1" Tubing • Mount Camera: Traditional Camera Tri-Pod • Vibration Dampening: Built into bracket • Rotation: 360 Degrees • Tilting: 50 Degrees • LCD Screen: 5.6" w/Front Controls 12VDC
P/N 11-04320 ....**$896.00**

SCHIER CLAMP GOPRO ADAPTER
The Schier Clamp (Patent Pending) is a new device that allows users to adjust the angle of their GoPro® in its mount and ensure that, once set, the camera doesn't move due to the effects of wind or minor bumps. No extra tools are required for installation or adjustment.
Includes:
• 1 Schier Clamp Assembly
• Installation Instructions

Color	Part No.	Price
Black	13-19619	**$19.95**
Blue	13-19620	**$19.95**
Red	13-19624	**$19.95**

STRUT CAMERA MOUNT FOR CESSNA
The W3 Camera Mount by Cloudbase Engineering has been specifically designed to mount industry standard action cameras to the wingstrut on General Aviation aircraft. In addition to aircraft, The W3 Mount can also be reconfigured to attach to tubular structures between 1.13" and 2.80" in diameter. Not FAA Approved.
W3 Cessna Strut Camera Mount with 7" long strap: 140a 150 152 170 172 175 & Glasair Sportsman
P/N 13-14981 ....**$128.50**
W3 Cessna Strut Camera Mount with 7.5" long strap: 180 &182
P/N 13-14982 ....**$124.75**
W3 Cessna Strut Camera Mount with 9.25" long strap: 185 205 206 210
P/N 13-14983 ....**$124.75**

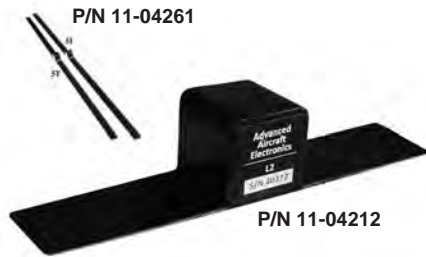## ROCK STEADY UNIVERSAL WING STRUT MOUNT AND RUBBER STRAP
The Rock Steady GoPro style ball mount is the durable and versatile low profile design that you have been looking for. This quality all metal mount will not move, bend, or fail, unlike plastic mounts. The metal GoPro adapter is compatible with any GoPro style camera. This unique Gopro adapter allows over 180 degrees of adjustment unlike most GoPro fork tripod adapters. The knuckle clamp attaches to any Rock Steady base allowing 360 degrees of adjustment. The knuckle locks your camera into any position with a hex wrench, or by hand with an included T-handle screw. Buy multiple Rock Steady bases to add numerous quick change mounting locations at an affordable price. Compatible with GoPro, Hero 2, Hero 3 & 3+, Hero 4, Hero 5 and Garmin Virb X and Virb XE or any Go Pro style camera. The Rock Steady Universal Strut Base is a quality all metal machined aluminum base. The strut base fits any size aircraft spreader bar, bi-plane strut, or wing strut from a J-3 to a Caravan. The simple clean design straps firmly to your wing strut without using bulky blocks or bolts. The Rubber Strap Kit uses a 19″ universal rubber strap that fits most any strut. With adjustment holes every 1.25 inches, you simply start on a hole that gives you just enough strap to reach around the strut and tighten on the end. The temporary strap allows your camera mount to be quickly taken on and off any strut. FAA friendly temporary.
P/N 11-15324 ....**$109.99**

Prices Subject to Change Without Notice

ADVANCED AIRCRAFT ELECTRONICS HIGH GAIN AIRCRAFT ANTENNA SYSTEMS

P/N 11-04261

P/N 11-04212

Here is a new series of aircraft antennas specifically designed to be used without a ground plane. This means that composite aircraft and fabric covered aircraft can now have their antennas mounted totally within the structure. These antennas are designed using the latest engineering technology. Laboratory measurements show them to have better electrical characteristics than currently available products. The unanimous reports from pilots who have been using them confirm that they out perform everything now available on the market. One antenna model works for communication, navigation, and for ELT (Three antennas in the aircraft, but all the same design), and this design is tolerant to installation errors. They will work in metal airframes when a plastic or fiberglass wing tip or similar plastic component is available to provide the mounting structure. The VHF antennas, 5T and 5I, differ only in the location of the BNC connection. The 5T is configured to allow the coax cable to be routed flat along the mounting surface of the airframe. This antenna model would be appropriate for a composite aircraft where the antenna would be mounted in the fuselage or fin and the coax would be close to the skin and be attached periodically for strain relief. In either case, the antenna can be used as a retrofit on in service aircraft or in new installations. The 5I series has the BNC connection positioned so that the coax cable would route out and away from the antenna mounting surface. This configuration is offered for antenna installations such as wing tips of fabric aircraft. If the antenna is mounted on the inside of the tip, the coax route is directly inward toward the wing root and the BNC connection is located near the spar to provide support for the cable. Both antennas are identical in their electrical performance. Features: Inside mounting. Use with composite skins. Use with fabric covered airframes. Glue or bond to the airframe. Light weight. Wide service temperature, No ground plane corrosion, Mount anywhere inside, Maximum range with low VSWR. Model VHF series designed for comm or nav or ELT. Guaranteed against failure for the life of the airframe. Adapts to existing airframes or to in process construction.

Model 5I (straight BNC connector) NAV/COM Antenna.. P/N 11-04261................................... **$118.95**
Model 5T (right angle BNC connector) NAV/COMM Antenna............................... P/N 11-04262.................................... **$118.95**
Model L2 Transponder Antenna .... P/N 11-04212..................................... **$98.95**

COMANT GPS ANTENNAS

GPS antenna kits from Comant enable you to install a low profile aerodynamic GPS antenna to the exterior of your aircraft. These antennas are all FAA approved under TSO C129, provide superior GPS signal acquisition, and are resistant to ice build-up in flight. All kits come complete with 10' of coax cable. Call with Comant Part No. for pricing on the Comant C1401, C1405, CI-406, OR CI4510 series antenna you require.

CI 401 ANTENNAS

These antennas are designed for aircraft up to 600 knots and feature a rectangular footprint. Available in active or passive models. Height: 0.75". 50 ohms.

CI 401 ACTIVE ANTENNAS		
APPLICATION	P/N	PRICE
Magellan w/detachable antennas except 5000A, Garmin 55, 89, 90, 95, 100, 155, 165, 250, Skyforce, and panel GPS requiring 26 dB gain		
Antenna Only	CI-401-220	$525.00
CI 401 Passive Antennas (limited to 10' run of RG142 or 6' of RG58)		
Magellan w/detachable antennas incl. 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Micrologic Super Sport & all other GPS receivers requiring a passive antenna.		

GARMIN GXM USB EXTENSION CABLE

GXM USB extension cable 010-10617-02 for GXM 30 and GXM 40 Satellite WX antennas.
P/N 11-06189............................ **$26.50**

BENDIX KING GPS ANTENNA KA92

The KA 92 antenna is a compact, aerodynamically-styled "patch" antenna that mounts on top of the aircraft. Weight: 0.30 lbs. (0.14 kg) Width: 2.70 in. (6.86 cm) Height: 0.70 in. (1.78 cm) Length: 4.30 in. (10.92 cm)
Antenna .... P/N 11-04036....... **$955.00**
Installation Kit .... P/N 11-02581......... **$94.75**

COMANT MARKER BEACON ANTENNAS

CI-102 MARKER BEACON - Frequency 75 MHz. For use with the modern, high sensitivity marker beacon receivers. Featuring 4-hole internal mounting for simple installation. Enclosed in an injection molded radome which is impervious to the tough environments typical of the underside of an aircraft. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static.   P/N 11-17931.....**$158.75**

CI-118 MARKER BEACON - Frequency 75 MHz. Designed specifically for high-performance aircraft applications. Features aerodynamic design in a lightweight package. Antenna is a low profile blade-type encased in a molded polyurethane shell. Skydrol and rain erosion resistant.   P/N 11-17932.....**$431.00**

COMANT MARKER BEACON (CI-118-1) - Frequency • 75 MHz. Low-drag, lower profile alternative to the popular CI 102 "boat style" marker beacon antenna. Approved for medium to high performance single, turbo-prop or jet aircraft and provides simple external mounting. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static.
P/N 11-06847.....**$666.00**

COMANT MARKER BEACON (CI-118-9) - Frequency 75 MHz. Identical to the CI 118 except the mounting configuration allows for "drop-in" replacement to the Honeywell Bendix-King KA 26 Marker Beacon. This Comant design has been tested to the tough DO-160D environmental standards. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static.   P/N 11-06989.....**$668.00**

COMANT MARKER BEACON (CI-118-10) - Frequency 75 MHz. This Comant marker beacon is identical to the CI 118 except with a 4-hole through mount configuration. This model has been tested to the tough DO-160D environmental standards. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static.
P/N 11-06848.....**$638.00**

COMANT MARKER BEACON (CI-164) - Frequency • 75 MHz. Lightweight flush mount provides for dualmarker beacon signal outputsatthe antenna, eliminating theneed fora separate marker beacon splitter. Antenna is housed in a aluminum enclosure with a glass laminate cover. Internal components are potted in place for mechanical integrity. The CI 164 is designed for curved "crown" surface mounting as is currently used on the Cessna Citation I and II.   P/N 11-06850..**$1,637.00**

COMANT MARKER BEACON (CI-165) - Frequency • 75 MHz. Lightweight flush mount antenna, provides for dual marker beacon signal outputs at the antenna, eliminating the need for a separate marker beacon splitter. Antenna is housed in a aluminum enclosure with a glass laminate cover. Internal components are potted in place for mechanical integrity. The CI 164 is designed for curved "crown" surface mounting as is currently used on the Cessna Citation I and II.   P/N 11-06851..**$1,699.00**

AV

COMANT ANTENNAS

COMANT DME/TRANSPONDER ANTENNAS

CI-101 TRANSPONDER ANTENNA – Frequencies Covered 1030-1090 MHz. Transponder antenna with top loaded stub monopole. Contact points are made from beryllium copper. Mounts through a single 0.600" diameter mounting hole.
P/N 11-17970 ....**$149.85**

CI-105 TRANSPONDER/DME ANTENNA
A very broadband and rugged antenna which is encased in glass reinforced molded shell. Rated to 400 kts. TAS. Height. 3.25"; Wt. 0.2 lb. Does not include BNC or hardware.
\....................................P/N 11-17965 ....**$159.75**

COMANT DME/ TRANSPONDER (CI -105-3)
960 - 1220 MHz. Antenna configuration specifically designed for external applications using a three hole flange mounting. BNC female connector.
P/N 11-06810 ....**$391.00**

COMANT DME/XPDR (CI -105-6 & 105-7)
Frequency • 960-1220 MHz. Comant CI 105-3 DME/Transponder antenna. Ant signed for external applications using a three hole flange mounting. BNC female connector.
CI 105-6 connector - BNC.... P/N 11-06811.**$354.00**
CI 105-7 connector - C......... P/N 11-06817.**$438.00**

COMANT DME/ TRANSPONDER (CI-105-9)
Frequency • 960-1220 MHz. Antenna assembly encased in a glass reinforced polyester molded shell. Comes standard with a 6" extension coax cable and BNC connector. This model offers standard two stud mounting, where the studs are extended to 1 inch in length. ....P/N 11-06818 ....**$293.95**

COMANT DME/ TRANSPONDER (CI -105-16)
Frequency • 960-1220 MHz. Was designed specifically for the Honeywell Bendix- King™ KA60. This unit offers the extended length two-stud mounting found on the KA60. Tested to the tougher DO-160D environmental requirements, this antenna offers the best in ruggedness and performance.
P/N 11-06819 ....**$166.85**

COMANT DME/ XPDR (CI-110-40-30)
Frequency • 960-1220 MHz &1030-1090 MHz. All metal, low profile antenna is designed for business jet and commercial high speed aircraft. With a popular four hole mount and connector with open path to ground, this antenna is ideally suited for those aircraft equipped with standard and Mode S transponders. Tough one piece construction provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction.
P/N 11-06820 ....**$373.00**

COMANT DME/ TRANSPONDER (CI-110-41-30)
Frequencies Covered 960 -1220 MHz. All metal, low profile antenna is designed for business jet and commercial high speed aircraft. With a popular four hole mount and connector with short path to ground, this antenna is ideally suited for those aircraft equipped with standard and Mode S transponders. Tough one-piece construction provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction.
P/N 11-06821 ....**$392.00**

COMANT DME/XPDR (CI -110-60-30)
Frequency • 960-1220 MHz & 1030-1090 MHz. All metal, low profile antenna is designed for business jet and commercial high speed aircraft. Six hole mount and connector with open path to ground. Suited for aircraft equipped with standard and Mode S transponders. Provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction.
P/N 11-06822 ....**$392.00**

COMANT DME/ XPDR (CI-110-61-30)
Frequency • 960 -1220 MHz. All metal, low profile antenna is designed for business jet and commercial high speed aircraft. Six hole mount and connector with short path to ground. Suited for those aircraft equipped with standard and Mode S transponders. Tough one-piece construction provides175 lbs. side load capability. Moisture failure is prevented with completely sealed construction. ....P/N 11-06823 ....**$402.00**

COMANT DME/ TRANSPONDER (CI-305)
Frequency • 960-1220. Miniature high speed DME/ Transponder - one of the smallest DME/Transponder antennas available from Comant. Less than 2.75 inches high, featuring a very low-drag frontal profile. Strong, lightweight and easy to mount using four external mounting holes through base.
P/N 11-06824 ....**$292.95**

COMANT FM BAND & AM/FM ANTENNAS

COMANT AM/ FM RECIEVER (CI-222)
Frequency 88-108 MHz 550-1600 KHz. Offers a unique low profile design using standard 4 hole mounting used on many VHF type antennas. Bent whip configuration is ideally suited for underbelly and helicopter installations.
P/N 11-00412 ....**$323.00**

COMANT RADIOPHONE / DME ANTENNAS

COMANT VHF COMMUNICATIONS (CI-291)
Frequencies Covered 118-137 MHz Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 MHz frequency associated with DO 186A MOPS.
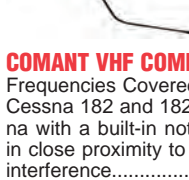P/N 11-17991 ....**$265.95**

COMANT VHF COMMUNICATIONS (CI-292-1)
Frequencies Covered 118-137 MHz. Designed specifically for top mounting on an aircraft. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 MHz frequency associated with DO-186A MOPS.
P/N 11-05093 ....**$276.95**

COMANT VHF COMMUNICATIONS (CI-292-2)
Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 MHz frequency associated with DO 186A MOPS. ....P/N 11-29202 ....**$296.75**

COMANT VHF COMMUNICATION (CI-248-5)
Frequencies Covered 118-137 MHz. Developed for Cessna 182 and 182T aircraft. The only VHF antenna with a built-in notch filter, that allows installation in close proximity to GPS antennas without co-sight interference.................P/N 11-05585 ....**$414.00**

COMANT VHF COMMUNICATIONS (CI-108)
Frequencies Covered 450-470 MHz Suitable for either top or bottom mounting. Upgraded to the RTCA DO-160D environmental requirements with DO-186A MOPS. Optional leading edge protection - CI 108-L.

Model	Description	Frequency Range	Part No.	Price
CI-108	Standard	118-137 mHz	11-07079	$1,026.00
CI-108-L	with Leading Edge Protection	118-137 mHz	11-16207	$1,073.00
CI-108-1	Standard	118-153 mHz	11-07080	$1,166.00
CI-108-1-L	with Leading Edge Protection	118-153 mHz	11-15432	$1,317.00

COMANT ADS-B ANTENNA CI 105-17-L
The CI-105-17L broadband antenna is designed for DME or transponder use and covers frequencies from 960 MHz to 1,220 MHz. It has a TNC female connector, a six hole mount and a 50 ohm resistance. Can be used on single and twin engine piston aircraft. Ideal for upcoming ADS-B FAA mandate, this is the only antenna of its kind, capable of both IN and OUT processing.
P/N 11-15574 ....**$455.00**

AV

COMANT ANTENNAS

COMANT RADIOPHONE / DME ANTENNAS

COMANT UHF (CI-177-20) - 450-470 MHz. A rugged monopole antenna particularly wellsuited to the harsh environments experienced on the underside of an aircraft. Features standard4-hole mounting, diecast metal base and radiator encased in glass laminate housing. ....P/N 11-06836 ....**$483.00**

COMANT UHF (CI-200) - 450-470 MHz. Rugged monopole antenna particularly well-suited to the harsh environments experienced on the underside of an aircraft. Features a very compact 3-hole mounted die-cast aluminum base with the radiator encased in a glass laminate housing. ....P/N 11-06837 ....**$454.00**

COMANT UHF (CI-271) - 403-512 MHz. Stub antenna designed to withstand the harsh environments associated with the underside of an aircraft. Antenna radiator is mechaniclly captivated and is sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service. Mounts through a single 0.600" hole. BNC connector is standard. ....P/N 11-06838 ....**$185.85**

COMANT UHF (CI-273) - 403-512 MHz. Stub antenna designed to withstand the harsh environments associated with the underside of an aircraft. Antenna radiator is mechaniclly captivated and is sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service. Mounts through a single 0.600" hole. BNC connector is standard. ....P/N 11-06839 ....**$204.95**

COMANT UHF (CI-275) - Frequency 406-512 MHz. Wide band UHF antenna designed for high-performance aircraft over the full frequency range of 406-512 MHz. Low profile, blade-type antenna is encased in a low drag, low weight molded body to ensure high reliability. The CI 275 comes standard with a BNC connector. Other connectors available. See order option chart.

Connector	Model	Part No.	Price
BNC	CI 275	11-06840	**$694.00**
TNC	CI 275-2	11-06841	**$774.00**
N	CI 275-5	11-06842	**$786.00**

COMANT UHF (CI-285) - Frequency • 400-960 MHz UHF blade antenna design for high performance aircraft over the full range of 400-960 MHz. Features vertically polarized/omni-directional pattern, extremely wide band/high efficiency electrical performance. DC grounding for lightning protection, 6 hole mounting. ....P/N 11-06843 ....**$897.00**

COMANT UHF (CI-306) - Frequency • 800-870 MHz. Stub-type antenna tuned for the 800- 870 MHz radio telephone band. Intended for use on low-flying aircraft and helicopters. CI 306 available with BNC connector and mounts through a single 0.600" inch diameter hole. ....P/N 11-06844 ....**$377.00**

COMANT CI 310-20 RADIOPHONE - Frequencies Covered 806-960 & 1030-1090 MHz L Band / UHF blade antenna designed for high performance aircraft. Features vertical/omnidirectional pattern, wide band/high efficiency electrical performance and DC grounding for lightning protection.
P/N 11-06845 ....**$485.00**

COMANT CI 310-22 RADIOPHONE ANTENNA - Frequencies Covered 806-960 & 1030-1090 MHz L Band / UHF blade antenna designed for high performance aircraft. Low profile, light weight antenna and is packaged in a molded body with metal mounting base to ensure stable environmental performance and resistance to vibration, rain erosion and cleaning solvents. Features vertical/omnidirectional pattern, wide band/high efficiency electrical performance and DC grounding for lightning protection.....P/N 11-06846 ....**$508.00**

COMANT RADIOPHONE / DME ANTENNAS

COMANT VHF COMMUNICATION (CI-121) - Frequencies Covered 118-137 MHz. Similar to the CI 109, the CI 121 is smaller in diameter and lighter at only 0.5 pounds. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 MHz frequency associated with DO-186A MOPS. ....P/N 11-17921 ....**$169.75**

COMANT VHF COMMUNICATIONS (CI-122) - Frequencies Covered 118-137 MHz. Designed specifically for mounting to the underside of an aircraft providing excellent radiation coverage for air-to-ground VHF communications. Bent configuration makes it ideally suited for helicopters and low wing aircraft. Upgraded to the new RTCA DO-160D environmental requirements and offers 118 to 137 MHz frequency associated with the DO-186A MOPS.
P/N 11-17922 ....**$219.95**

COMANT VHF COMM (CI-211) - Frequencies Covered 118-137 MHz. For large twins and medium jet aircraft. Only 8.25 inches high. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to137 MHz frequency associated with DO-186A MOPS..P/N 11-07082 ....**$825.00**

COMANT VOR / LOC / GS ANTENNAS

COMANT VOR/ GS (CI-120G-S)
Frequency • 108-118 MHz (VOR/LOC) 329-335 MHz (GS) Antenna system qualified for use on single engine, twin, jet, and helicopter aircraft. Provides glideslope reception capability. Complete set includes a pair (2) of blades, each with single BNC connector output, two coax interconnect cables and a signal combiner output providing for a single cable run to the avionics installation...P/N 11-06801 ......**$1,488.00**

COMANT VOR/LOC/GS (CI-120-200G/S)
Frequency • 108-118 MHz (VOR/LOC) 329-335 MHz (GS) Antenna system qualified for use on single engine, twin, jet, and helicopter aircraft. Provides glideslope reception capability. Complete set includes a pair (2) of blades, each with single BNC connector output, two coax interconnect cables.Dual output signal combiner providing for separate RF cable runs to the avionics installation for NAV1 and NAV 2 receivers, is included. ....P/N 11-06802 ......**$1,483.00**

CI-120-200G/S-L - Blades have leading edge protection and come with rubber gasket enabling mounting on curved vertical stabilizers.
Note: Comant Antennas no longer come with a gasket or a template. Must order PN 09-05579 separately. ....P/N 11-06803 ......**$1,654.00**

COMANT VOR/LOC/GS (CI-120-400)
Frequency • 108-118 MHz (VOR/LOC) 329-335 MHz (GS) Designed for the Cessna 182 Series. Complete kit includes a pair (2) of blades, each with a single BNC output, and two coax interconnect cables. Single BNC output phasing combiner providing for a single RF cable run to the avionics installation................P/N 11-06804 ......**$1,398.00**

COMANT VOR/LOC/GS (CI-157P)
Frequency 108-118 MHz (VOR/LOC) 329-335 MHz (Glide Slope) "V" dipole VOR/ Glide Slope antenna with fixed elements designed specifically for compatibility with the Piper Aircraft mounting. Radiating elements are not removable. Not approved for helicopter installations.
P/N 11-15700 ....**$357.00**

COMANT VOR/LOC/GS (CI-185C)
Frequency • 108-118 MHz (VOR/LOC) 329-335 MHz (GS) "V" Dipole VOR/LOC/GS antenna with detachable elements mo   unts on top of the vertical fin stabilizer for most single engine general aviation aircraft. RF design similar to the CI 157P. Integral ferrite balun provides for higher radiation efficiency. Not approved for helicopter installations. Consult your FBO or installation shop for best application information.
P/N -11-17923 ....**$372.00**

COMANT VOR/LOC/GS (CI-158C-2)
Frequency • 108-118 MHz (VOR/LOC) 329-335 MHz (GS) Detachable elements mounts on top of the vertical fin stabilizer offering the four-hole mounting configuration found on many beech aircraft. Detachable elements result in a significantly smaller shipping and storage carton than fixed element versions. Not approved for helicopter installations.........P/N 11-06806 ....**$394.00**

COMANT VOR/LOC/GS (CI-159C)
Frequency 108-118 MHz (VOR / LOC) 329-335 MHz (Glide Slope) Similar to the CI 158C-3 with the exception of offering 2-hole mount instead of a 4-hole mount. Not approved for helicopter installations..............P/N 11-17924 ....**$454.00**

AV

COMANT VOR / LOC / GS ANTENNAS

COMANT GLIDE SLOPE (CI-193) - Frequencies Covered 329-335 MHz (GS) For interior mounting for GS reception. P/N 11-05200...........**$296.95**

COMANT VOR/GS (CI-205-3) - Frequency 108-118 MHz (VOR/ LOC) 329-335 MHz (Glide Slope) Mounting on the aircraft vertical stabilizer or helicopter tail boom. Set includes a pair (2) of "towel bar" sensor elements each with a single BNC output connector and a one-piece dual coax interconnect signal combiner harness with a single BNC connector output. Provides for a single cable routing to the avionics location. P/N 11-17985........**$1,675.00**

COMANT VOR/LOC/GS (CI-215) - Frequencies Covered 108-118 MHz (VOR/LOC) , 329-335 MHz (GS) Detachable elements featuring two integrally molded mounting legs or "spacers" for increased strength. P/N 11-17926...........**$543.00**

COMANT VOR/LOC/GS (CI-259E) - Frequencies Covered 108-118 MHz (VOR/LOC), 329-335 MHz (GS) Fixed elements for helicopter aircraft. P/N 11-06809...........**$397.00**

COMANT COMDAT GPS ANTENNAS

COMDAT ANTENNA (CI-401-220) - Frequency • GPS 1575.42 +/- 3 MHz Contains stable amplifier that offers great performance. Gain performance at 26.5 to 31.5 dB minimum. Presents very low noise levels at 3.8 dB maximum. Built-in voltage regulator. P/N 11-04139.........**$525.00**

COMDAT GPS (CI-401-221) - GPS antenna with TNC connector. Meets RTCA DO 160-D operating standards including direct effects lightning. Operate with 26.5 dB panel mount GPS receivers. Certified FAA TSO-C144 for GPS and GPS WAAS Class Gamma 1 equ. Not compliant for GPS WAAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems. GPS 1575.42 MHz / 26.5 dB Gain P/N 11-06795.........**$528.00**

COMDAT ANTENNA (CI-420-220) - Stand-alone GPS antenna with TNC connector. Meets RTCA DO 160D operating standards including direct effects lightning. Designed to operate with 26.5 dB panel mount GPS receivers. Certified FAA TSO-C144 for GPS and GPS WAAS Class Gamma 1 equipment. Not compliant for GPS WAAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems. GPS 1575.42 MHz - 26.5 db Gain P/N 11-05848.........**$512.00**
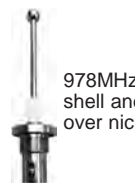
COMDAT GPS (CI-420-221) - Stand-alone GPS antenna with TNC connector. Meets RTCA DO 160D operating standards including direct effects lightning. Designed to operate with Garmin 17.0 dB panel mount GPSreceivers. Not compatible with most portable GPS receiver systems. GPS 1575.42 MHz - 17.0 db Gain P/N 11-04291.........**$477.00**

COMANT COMDAT GPS/XM ANTENNAS

COMDAT GPS/XM (CI 420-420) - Frequencies • GPS 1575.42 MHz / 26.5 dB Gain XM 2332.5-2345.0 /30-34 dB Gain. GPS and XM Weather antenna. Designed for compatibility with panel mount 26.5 dB gain GPS receivers. Add XM to an existing GPS antenna location without the need for a completely new installation location. Certified FAA TSO-C144 for GPS and GPS WAAS Class Gamma 1 equipment. Not compliant for GPS WAAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems P/N 11-05852.........**$918.00**

TED ADS-B ANTENNA

978MHz TED ADS-B monopole transmissions antenna. The outer shell and element is nickel plate and the center conductor is gold over nickel plate. P/N 11-13561 .... **$34.95**

COMANT COMDAT VHF/GPS ANTENNAS

COMDAT VHF/GPS (CI-2480-200) - Dual function single engine antenna for VHF/GPS. For popular 26.5 dB gain GPS panel mount systems.Certified FAA TSO-C144 for GPS and GPS WAAS Class Gamma 1 equipment. Not compliant for GPS WAAS Class Gamma 2 and 3 applications. VHF 118-137 MHz GPS 1575.42 MHz / 26.5 dB Gain P/N 11-05850.........**$756.00**

COMDAT ANTENNA (CI-2480-201) - 1575.42 MHz 17.0dB Gain 118 - 137 MHz VHF. Separate connectors for GPS and VHF, GPS is protected from VHF harmonics. Designed for use with Garmin's™ panel mount GPS systems that require 17dB gain. P/N 11-05849.........**$737.00**

COMDAT ANTENNA (CI 2580-200) - 1 The CI 2580-200 is Comant's newest ComDat VHF/GPS antenna designed specifically to meet the GPS WAAS Gamma 3 specifications required by the Garmin G1000 system. The patented technology provides 80 dB of VHF harmonic suppression offering VHF and GPS in one radome without in-line filters. Gamma 3 WAAS allows for primary navigation using GPS for all phases of flight including precision LPV approaches. P/N 11-11545......**$1,183.00**

COMANT COMDAT VHF/GPS ANTENNAS

COMDAT VHF/GPS (CI-2680-200) - Designed for use with Aircell Broadband Systems (ABS). Single and twin engine piston aircraft for applications of this antenna design. Some light turbine and light jets. Consult your FBO or installation shop for best application information. VHF 118-137 MHz GPS 1575.42 MHz / 26.5 dB Gain. P/N 11-06789......**$1,083.00**

COMANT COMDAT XM ANTENNAS

COMDAT XM (CI-420-10) - XM 2332.5-2345.0 /25.0 dB Gain. For Garmin GDL 69/69A receivers and Heads Up Technologies (HUT) receivers with short coaxial cable runs. Feature robust TNC female connector. P/N 11-06798.........**$679.00**

COMDAT XM (CI-420-16) - XM 2332.5-2345.0 /26-30 dB Gain. For Heads Up Technologies (HUT) receivers with longer coaxial cable runs . Features robust TNC female connector. P/N 11-06799.........**$687.00**

COMANT ATTENUATOR, SPLITTERS, COUPLERS, & DUPLEXERS

COMANT SPLITTER (CI-5120) DUAL VOR/ LOC/ GS - 108-118 MHz & 329-335 MHz. For use with Garmin GTN 650/750 and similar systems. Splits single coax antenna input into equally proportioned VOR/ LOC/GS outputs. P/N 11-06826.........**$259.95**

CI-502 Dual VOR Coupler – Allows the simultaneous use of two VOR receivers from one VOR antenna. P/N 11-17975 .... **$191.80**

CI-503 Dual GS Diplexer – Permits operation of two glide slope receivers from one glide slope antenna. P/N 11-17976 .... **$174.75**

CI-505 VOR/GS Triplexer – Permits operation of two NAV & one glide slope receiver from 1 VOR/LOC antenna. P/N 11-17977 .... **$228.95**

CI-507 Single VOR/GS Diplexer – Provides the operation of one VOR and one glide slope receiver from one VOR/GS antenna. P/N 11-17980 .... **$168.75**

CI-509 COMANT COUPLER MARKER BEACON - Permits the use of two marker beacon receivers from one marker beacon antenna. P/N 11-06852 .... **$174.90**

CI-1125 VOR/GS Quadraplexer – Permits operation of two NAV & two glide slope receivers from 1 VOR/LOC antenna. P/N 11-03777 .... **$233.95**

COMANT VHF 259 CONNECTOR - UHF Connector/RG58/SGL Crimp. P/N 11-13087 .... **$21.75**

MINI CIRCUITS GARMIN COMPATIBLE COAX POWER SPLITTER - Ideal for use in installations of Garmin devices, the ZFSC-2-1B is a coaxial power splitter and/or combiner available at an excellent price point that is identical to Garmin's part #013-00112-00. The ZFSC-2-1B can be used in VHF and UHF applications, instrumentation, and communication systems. P/N 11-13045 .... **$79.75**

AV

DM C63-1/A COM ANTENNA

Frequency Range 118-137 MHz   The DM C63-Series antennas are VHF communication antennas designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 118-137 MHz for both transmitting and receiving applications. Supplied with a gasket and a doubler plate. ....P/N 11-02764 ....**$267.95**

DM C63-2 COM ANTENNA

118-137MHz Bent Rod For Bottom Installation, Frequency Range 118-137 MHz   The DM C63-Series antennas are VHF communication antennas designed for high mechanical strength with machine tapered aluminum alloy radiating elements. Cover the frequency range of 118-137 MHz. The DM C63-2 is a low profile "bentback" radiating element designed for mounting on the bottom of the fuselage. ....P/N 11-02765 ....**$319.75**

DM C63-3/A ANTENNA

VHF communication antenna designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 138-174 MHz for both transmitting and receiving applications. Low profile "bentback" radiating element designed for mounting on the bottom of the fuselage. Supplied with a gasket and a doubler plate.
P/N 11-02766 ....**$409.00**

DM C70-1/A COM ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. Height: 15" Speed Rating: 400 mph.............................P/N 11-02768 ....**$374.00**

DM C70-3 COM ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. Offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. Height: 20.5". Speed Rating: 250 mph.
P/N 11-02769 ....**$529.00**

DM C70-4 COM ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fixed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. P/N 11-02770..........**$419.00**

DM NI70-2 COM ANTENNA

L-band metal blades with and extended bandwidth for use with both transponders or distance measuring equipment. Sealed and waterproofed for increased reliability.
P/N 11-02767 ....**$304.00**

DM N48-1 NAV ANTENNA

Balanced loop design assures an omnidirectional radiation pattern at the horizon to obtain the maximum signal for standard VOR and area navigation systems installed in lightweight aircraft, medium twins, and helicopters operating up to 250 mph. Dual VOR receiver operation is obtained when the antenna is used with the DM H21-1 diplexer. ....P/N 11-02771 ....**$982.00**

DORNE & MARGOLIN -2/L BAND BLADE/ 4HOLE/C CONN

Blades are low profile antennas which incorporate high side load strength, a sealed construction against water and Skydrol, and lightning protection circuits. Reduced maintenance costs. ....P/N 11-08338 ....**$289.95**

DM C70-6 VHF COMM BROADBAND ANTENNA

The C70 Series VHF Communication Antennas are designed to be installed on the top or bottom on high-performance, single, twin and turbo engine fixed and rotary wing aircraft.
P/N 11-15523..........**$725.00**

DORNE & MARGOLIN NAV ANTENNA SPLITTERS

11-02774

DM H21-2 - Dual Market Beacon or Dual VOR	...P/N 11-02772	...**$163.75**
DM H22-1 - Single G/S or Single VOR	............P/N 11-02773	...**$189.75**
DM H23-1 - Triplexer-Dual VOR & Single G/S	...P/N 11-02774	...**$419.00**
DM H69-1 - Quadraplexer-Dual VOR & Dual G/S	..P/N 11-02775	...**$274.95**
DM H24-1 - Diplexer, Dual G/S	.........................P/N 11-02776	...**$206.95**

ANTENNA INSTALLATION TEMPLATES

Custom designed templates improve the antenna sealing process, making it more precise, efficient and cost-effective. Each Sealing Guide template is custom designed to correspond to an individual antenna. They consists of 2 pieces, one inner part and one outer part. The inner template adheres to the base of the antenna, the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates.   Sealant is applied to the gap between the templates. When the templates are removed and discarded, the sealant is left to cure, resulting in a clean, precise and smooth seal.

Each template is custom designed to correspond to an individual antenna. You will no longer need to laboriously cut and paste various lengths of tape, trying to fit them around the irregular antenna shape.

The Sealing Guide template consists of 2 pieces, one inner part and one outer part. Application is simple. The inner template adheres to the base of the antenna, and the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates. The templates are then removed and discarded. The sealant is left to cure, resulting in a clean, precise and smooth seal.

Incorporating the "Sealing Guide" system into your sealing process will significantly reduce labor time.

For use with the following antennas:	Part No.	Price
CI-100 Series, CI-105-6, CI-105-7, CI-110-40 Series, CI-110-41 Series, CI-110-60 Series, CI-110-61 Series, S65-5366-850L, S65-5366-890L, S65-5366-2L, S65-5366-3L, S65-5366-7L, S65-5366-8L, S65-5366-10L, S65-5366-10LC, S65-5366-11L, S65-5366-116L, S65-5366-119L, S65-5366-144L, S65-5366-145L, S65-5366-168L, S65-5366-4 Series, AV-741, DM N150 Series, DM N170 Series	11-06656	**$25.85**
CI-105-20, CI-105-22, CI-105-24, CI-105-25, CI-150-250-L	11-06666	**$26.95**
CI-121, CI-122, CI-177, CI-177-1, CI-177-13, CI-177-3, CI-177-4, CI-177-20, CI-291, CI-292-1, CI-292-2, CI-292-3, CI-292-4, CI-222, CI-222-1, CI-4510, CI-317, CI-317-1,CI-405 Active Series, CI-405-26 Active, AV-10, AV-14, AV-17	11-06665	**$26.95**
CI-248-5, CI-248-30, CI-248-180, CI-2480-100, CI-2480-101, CI-2480-200, CI-2480-201, CI-2480-204, CI-2480-206, CI-2480-300, CI-2480-301, CI-2480-304, CI-2480-400, CI-2480-401, CI-420-10, CI-420-16, CI-420-220, CI-420-221, CI-420-224, CI-420-230, CI-420-420, CI-420-421, 2.70-4.40, 110-338	11-06666	**$26.95**
CI-401 Series ACT, CI-401 Series PAS, S67-1575-16, S67-1575-52, S67-1575-82, S67-1575-132, S67-1575-133, S67-1575-134, S67-1575-135, S67-1575-145, AV-GPS, DM N1021-1	11-06667	**$26.95**
S67-1575-136, S67-1575-863, S67-1575-109, S67-1575-137	11-06671	**$26.95**

AV

TED 4-70 GPS NOTCH FILTER

Your global positioning system receives its positional information at 1575.42 MHz. The communications radios on-board your aircraft typically broadcast in the 121.5 MHz range. That is a wide separation in frequency band-width but it's not the complete picture. Your comm's are also producing harmonics which can produce significant noise at the GPS frequency. Now you can filter that signal and avoid potentially hazardous situations.

A simple low cost way to clean up the receivers frequency environment. The TED 4-70 notch filter installs quickly and easily via standard BNC bayonet couplings, in-line between radios and antenna. The 4-70 rejects in excess of 50dB of 1575.42 signal at the source. Each filter is individu-ally tuned and checked to assure maximum performance. Of course, the 4-70 also passes strenuous environmental criteria so important in aircraft applications. Major GPS manufacturers recognize this problem & recommend using the 4-70 on new and retrofit installation.
P/N 11-02204 ....**$129.75**

RAMI ANTENNAS

ALL LISTED ANTENNA SPECIALISTS HAVE 50 OHM IMPEDANCE. FOR SPEEDS TO 250 MPH AND 25,000' ALTITUDE.

ANTENNA AV-1 - is a base station antenna for communications with ground vehicles or aircraft. It has heavy-duty construction with 3/8" diameter aluminum radials, a 1" diameter aluminum tube radiator, and is iridite-treated for durability. It mounts easily to a 1" diameter pipe or a 1-1/4" O.D. tube with locking set screws Application: VHF Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 2.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type PL-259 Max Weight: 2.75 lb Max Height: 34 RF Power Capacity: 1000 Watts

AV-1 Base Station ....P/N 11-05996 ....**$312.00**
Radial Rod for AV-1 ....P/N 11-14053 ....**$18.50**

VEHICLE COM ANTENNA AV-3

is a low profile snap-in mounting quarterwave antenna for use on surface vehicles. It has a solderless cable connection at the antenna and is supplied with 12 feet of cable and PL-529 connector. Application: VHF Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 1.5 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type PL-259 Max Weight: 2.50 lb Max Height: 55" Max (field cuttable) RF Power Capacity: 100 Watts........P/N AV-3 ....**$152.95**
Radiator Whip & Ball for AV-3 Antenna ......P/N 11-14055 ....**$32.95**

VHF "BROAD BAND" COM ANTENNA - Blade type-low drag. Aluminum radiator encapsulated in rigid urethane foam with white fiberglass housing. 118-136 MHz. Power capability: 50 watts. 13-1/2" high. Weight: 20 oz. Application: Airborne Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 3.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type "BNC" Female Max Weight: 20 oz Max Height: 13-1/2" RF Power Capacity: 30 Watts

P/N AVT-4 ....**$367.00**

BASE STATION ANTENNA - Ground Plane 118-136 MHz Application: VHF Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 1.5 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type PL-259 Max Weight: 1.0 lb Max Height: 34" RF Power Capacity: 100 Watts

P/N AV-5 ....**$165.80**
Radial Rod for the AV-5 .....P/N 11-14054 ....**$12.80**

RAMI AV-7-1A 5/8 WAVE
VEHICULAR COM ANTENNA ONLY AND ACCESSORIES -

The AV-7 is a high performance vehicular antenna for use on all surface vehicles where communications with the aircraft VHF COM frequency band are required. Heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a magnetic or fixed "NMO" base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz.
AV-7-1A Antenna Only; 44.5" Length ....P/N 11-14037 .... **$156.95**
AV-7-3F Fixed base mount only 17' cable with BNC connector not attached...P/N 11-14038 .... **$48.75**
AV-7-2M Magnetic base only 12' cable with BNC connector attached.
P/N 11-14039 .... **$79.95**

RAMI AV-7F FIXED MOUNT 5/8 WAVE VEHICULAR COM ANTENNA

ANTENNA/VHF communications, fixed Mount, 118-137 MHz, spring loaded base, includes: 17' cable with unattached BNC Connector. Antenna with fixed mount base; 17' cable with "BNC" connector not attached. The AV-7 is a high performance vehicular antenna for use on all surface vehicles where communications on the aircraft VHF COM frequency band is required. Heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a fixed "NMO" base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz. ....P/N 11-14035 .... **$159.75**

RAMI AV-7M MAGNETIC 5/8 WAVE VEHICULAR COM ANTENNA

ANTENNA/VHF communications, whip type, magnetic base, 118-137 MHz, includes: 12' cable with attached BNC Connector. Antenna with magnetic base; 12' cable with "BNC" connector attached. The AV-7 is a high performance vehicular antenna for use on all surface vehicles where communications on the aircraft VHF COM frequency band is required. Heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a magnetic base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz. ....P/N 11-14036 .... **$192.75**

ANTENNA AV-15

Used with aviation, land mobile radio and flight phone bands. Chrome-plated ball tip provides low noise static discharge. Designed to operate at speeds up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.75 lb @ 250 mph.
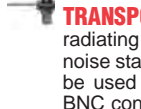
P/N 11-06993 ....**$183.75**

VHF "BROAD BAND" ANTENNA - Rod type. Silver plated braid radiator encapsulated in fiberglass tube with white epoxy finish. Die cast aluminum base. 118-136 MHz. Wt: 8 oz. BNC termination. Supplied with weather sealing rubber pad and mounting hardware. Application: Airborne Communications Frequency: 118 to 136 MHz Impedance: 50 Ohms Nominal VSWR: 1.8 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type "BNC" Female Max Weight: 8 oz Max Height: 20-1/4" RF Power Capacity: 25 Watts ....P/N AV-529 ....**$183.75**
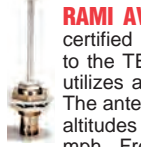
AV-534

VHF COM ANTENNA - Stainless steel bent whip antenna with insulator and mounting hardware. 118-136 MHz. Wt. 3-1/2 oz. Application: Airborne Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 3.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: N/A Max Weight: 8 oz Max Height: 19-1/2" RF Power Capacity: 50 Watts ....P/N AV-534 ....**$84.75**
Same antenna as described above but furnished w/96" lead of RG58 A/U cable with BNC and ground strap with lugs. Wt. 7.5 oz........P/N AV-534L **$95.75**
AV-534 Install Kit ....P/N 11-14061 ....**$25.50**

MARKER BEACON ANTENNA - Boat Type Application: Marker Beacon Frequency: 75 MHz Impedance: 50 Ohms Nominal VSWR: 1.6 to 1 Maximum Connector: Type "BNC" Female Max Weight: 6.25 oz Max Height: 2-1/2" RF Power Capacity: Receive only
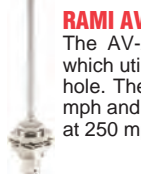P/N AV-569 ....**$154.75**

RAMI AV-801 GPS WAAS ANTENNA - The AV-801 WAAS GPS antenna is designed specifically to meet FAA TSO-C190 specifications. Qualification testing includes meeting the requirements of RTCA DO-301 and DO-160G. The AV-801 fit and function matches the ARINC 743A standard found on many general aviation aircraft up to and including business jets.
P/N 11-14354 ....**$298.95**

TRANSPONDER ANTENNA - Chrome plated, phosphor bronze radiating element mounted in Teflon insulator. Ball tip for low-noise static discharge. May be installed from the outside. Can also be used as an ABS-B Antenna. TSOd. 1030-1090 & 978 MHz. BNC connector. Wt. 1 oz....................P/N AV-22 .... **$79.85**

RAMI AV-11 TRANSPONDER ANTENNA - The AV-11 is a non-certified transponder antenna for experimental aircraft, similar to the TED 104-12 antenna. This rod style transponder antenna utilizes a BNC connector and requires a smaller mounting hole. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet. It has a drag force of 0.41 lbs. @ 250 mph. Frequency: 1030-1090. ....P/N 11-15405 ....**$29.95**

RAMI AV-21 RADIO TELEPHONE ANTENNA

The AV-21 is a rod style broadband radio telephone antenna which utilizes a BNC connector that allows for a smaller mounting hole. The antenna is designated to operate at speeds up to 350 mph and altitudes up to 50,000 feet. It has a drag force of 0.41 lbs at 250 mph..P/N 11-16525 ....**$253.95**

RAMI TRANSPONDER/DME ANTENNA (AV-74)

The AV-74 (.425 Stud Length) & the AV-74-1 (.800 Stud Length) are a broadband blade type antenna for transponders or DME application. The antenna housing is constructed of an acrylonitrile-styrene-acrylic (ASA) shell. The white color allows maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.09 lbs @ 250 mph. This antenna is a direct replacement for the CI-105. • Application: Transponder/DME • Frequency: 960 - 1220 MHz • Impedance: 50 Ohms Nominal • VSWR: 1.5:1 Maximum • Polarization: Vertical • Pattern: Omni-Directional • Connector: "BNC" Female • Max Height: 3.4" • RF Power Capacity: 2.5 kW Peak • FAA TSO: C66c, C74c.
AV74 (.425 Studs) .... P/N 11-05846 ....**$132.75**
AV74-1 (.800 Studs) .... P/N 11-13996 ....**$136.95**

AV

ALL LISTED RAMI ANTENNA SPECIALISTS HAVE 50 OHM IMPEDANCE. FOR SPEEDS TO 250 MPH AND 25,000' ALTITUDE.

AV-10 COMMUNICATIONS ANTENNA - 4-bolt design. Designed for high-performance aircraft applications. Identical in mounting and appearance to Cessna communications antennas. Rated to 250 knots. Equivalent to Comant CI-121 Antenna. Wt. 8 oz. Ht. 17-1/2" Application: Airborne Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 2.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type "BNC" Female Max Weight: 8 oz Max Height: 20-1/4" RF Power Capacity: 25 ....P/N 11-12500 .... **$174.75**

PUBLIC SERVICE AND BUSINESS BAND ANTENNA AV-14- Available in 4-bolt design.Features a tapered glass laminate housing and die-cast aluminum base. Rated to 250 knots. Equivalent to Comant CI-177-1. Wt. 8oz. Ht. 17.5" Application: Airborne Communications Frequency: 138 to 174 MHz Impedance: 50 Ohms Nominal VSWR: 2.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type "BNC" Female Max Weight: 8 oz Max Height: 17-1/2" RF Power Capacity: 25 Watts ....P/N 11-12600 .... **$229.95**

AV-17 COMMUNICATIONS ANTENNA - 4-bolt design for mounting to the underside of an aircraft. Low profile configuration makes it ideal for helicopters and low-wing aircraft. Equivalent to Comant CI-122 antenna. Wt. 8 oz. Ht. 8-3/4" Application: Airborne Communications Frequency: 118 to 137 MHz Impedance: 50 Ohms Nominal VSWR: 3.0 to 1 Maximum Polarization: Vertical Pattern: Omni-Directional Connector: Type "BNC" Female Max Weight: 8 oz Max Height: 8-3/4" RF Power Capacity: 25 Watts
P/N 11-12700 .... **$189.75**

ANTENNA AV-64 - Marker beacon antenna designed for very low drag. Supplied with cellular neoprene mounting pad and hardware. Designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.22 lbs @ 250 mph.........P/N 11-06994 ....**$144.95**

RAMI AV-289 TRANSPONDER / CELLULAR / WIFI / UMTS ANTENNA
The AV-289 is a broadband blade type antenna for application such as transponder, cellular, 4G, GSM, PCS, WIFI, and UMTS, however, it is FAA qualified as a transponder antenna. The antenna housing is constructed of a Polyarylamide Plastic shell and the base is 6061-T6 aluminum with a chemical conversion coating mer MIL-C-5541. The antenna is supplied with an o-ring and mounting hardware. The antenna is designed to operate at speeds up to Mach 1 and altitudes up to 55,000 feet.
P/N 11-16526 ....**$650.00**

RAMI AV-401 ANTENNA - ROD & WHIP
121.5, 243 & 406 MHz. 50 Ohms, BNC connector.
P/N 11-14041 ....**$349.00**

RAMI ANTENNA ROD WHIP TYPE - AV-402
RAMI rod/whip type antenna is intended for use with an ELT (Emergency Locator Transmitter) for general aviation. It is a passive three frequency fiberglass rod whip antenna, designed for low speed aircraft (up to 350 knots)....................................P/N 11-14043 ....**$364.00**

AV-100 ELT ANTENNA
This FAA/TSO antenna is intended for use with an ELT (Emergency Locator Transmitter) for general aviation. It has a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots). Frequency: 121.5 MHz, 406 MHz. ....P/N 11-10839 ....**$229.95**

RAMI WHIP ANTENNA AV-200
The AV-200 ELT antenna is: Whip type, 121.5 and 406 MHz and intended for use with an ELT (Emergency Locator Transmitter) for General Aviation. It is a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots).
Rami whip type ELT Antenna - White ....P/N 11-12892 ....**$104.75**
Rami whip type ELT Antenna - Black ....P/N 11-14040 ....**$109.95**

ANTENNA AV-530 - Designed for broadband communications. Has a die-cast aluminum base and a tapered stainless steel whip for less drag at higher airspeeds. Supplied with a weather-sealing gasket and mounting hardware. Designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 1.65 lb @ 250 mph..........................P/N 11-06696 ....**$178.80**

AV-535 ANTENNA - The AV-535 is a "Bent Whip" antenna suitable for belly mounting. It is designed to operate in the public service and business bands. The antenna is rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 292-3. Frequency: 138-174 MHz.....P/N 11-10845 ....**$245.95**

RAMI AV-601 RADAR ANTENNA
The AV-601 antenna is designed specifically to meet FAA TSO-C87a specifications. Qualification testing includes meeting the requirements of EUROCAE ED-30, Edition 2, "Minimum Performance Standards for Airborne Low Range Radar Altimeter Equipment", as modified by Appendix 1 of the TSO............P/N 11-16527 ....**$259.95**
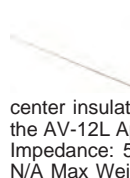
RAMI AV-701 ELT ANTENNA
This antenna is intended for use with an ELT (Emergency Locator Transmitter) for general aviation. It is a passive single port three frequency aircraft blade antenna, designed for high speed aircraft. The circuit Board Housing is made from Polycarbonate. .... P/N 11-16528 ....**$780.00**

RAMI AV-924 TRANSCEIVER ANTENNA
The AV-924 antenna was developed to be used with airborne FM transceivers typically used in first responder type aircraft providing a single antenna solution for the multiband transceivers. It meets DO-160G, section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown related rotor frequencies. ....P/N 11-16529 ......**$1,072.00**

AV-925 ELT ANTENNA - The AV-925 antenna was developed to be used with airborne FM transceivers typically used in first responder type aircraft providing a single antenna solution for the multiband transceivers. It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown related rotor frequencies. It is also qualified to perform as a 406 MHz ELT antenna, and is well suited for this function on higher speed, fixed wing aircraft.
P/N 11-10846 ......**$1,951.00**

ANTENNA AV-12
is a VOR receive only antenna which uses a highly efficient technique of molding the elements directly into a high-impact thermo-setting bakelite center insulator. A 25 ft cable with integral balun is also supplied. with the AV-12L Application: VOR Receive Only Frequency: 108 to 118 MHz Impedance: 50 Ohms Nominal VSWR: 2.2 to 1 Maximum Connector: N/A Max Weight: 5.5 oz (14 oz with cable) Width Across Tips: 29-1/2" RF Power Capacity: Receive only. P/N AV-12 ....**$241.95**
P/N AV-12L **$279.95**

AV-520 VOR/LOC/GS ANTENNA
The AV-520 FAA/TSO is a "V" style V OR/LOC/GS antenna utilizing detachable painted stainless steel elements and internal balun transformer. The antenna is rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 159C. Frequency: 108–118 / MHz 329-335 MHz.
AV-520 VOR/LOC/GS TSO..........................P/N 11-10840 ....**$289.95**
Whip Element For AV-520 ....P/N 11-14062 ....**$76.85**

AV-525 VOR/LOC/GS ANTENNA
The AV-525 FAA/TSO is a VOR/LOC/GS antenna similar in style to the AV-12 but utilizes an internal balun transformer. The antenna is rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 157P. Frequency: 108-118 MHz (VOR/LOC) / 329-335 MHz (GS).P/N 11-10841 ....**$269.00**

RAMI VOR ANTENNA - The AV-532 is a VOR/LOC/GS receive only antenna which consists of taper ground high-strength 17-7PH stainless steel elements to reliably withstand vibration and wind loads. The insulators are weather-sealed compression-molded bakelite with the mounting holes provided. The unit may be mounted with the V pointed either forward or aft. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 3.42 lb @ 250 mph. A 30 ft. transmission line with integral balun is also supplied.
P/N AV-532L............................**$229.95**
P/N AV-532 (without Cable) **$196.00**

AV

Prices Subject to Change Without Notice

ANTENNA DM N4-17/N - VOR/LOC/GS BAL. LOOP SYSTEM (DM N4-17/N) Single Output -- Frequency VOR/LOC 108-118 MHz -- GS 329-335.3 MHz Frequency Range: VOR/LOC 108-118 MHz GS 329-335.3 MHz VSWR: 5.0:1 max Polarization: Horizontal Radiation Pattern: VOR/LOC Omnidirectional GS Forward Pointing Gain: 0 +/- 2 dB Impedance: 50 Ohms Lightning Protection: dc short Weight: 1.32 lbs Connector: BNC Female Cable Length: 27 inches Side Load: 17 psi FAA Approval: C34e, C36e, C40c D0138 ENV. CAT. AA5XXXXXHDXS.
P/N 11-05859 ......**$1,475.00**

VHF DIPLEXER COUPLER - Splits the signal from a single antenna into two NAV receivers; eliminating the need for a second antenna. Application: Navigation Frequency: 108 to 118 MHz Impedance: 50 Ohms Nominal VSWR: 1.4 to 1 Maximum Connector: (3) Type "BNC" Females Max Weight: 3.5 oz Insertion loss: 3 dB Avg / 5 dB Max Isolation: 30 dB Minimum Dimensions: 2" x 1-3/3" x 1-1/8" RF Power Capacity: Receive only
P/N AV-547 ....**$113.75**

RAMI ANTENNA COUPLER / 50 OHMS - AV-586
The AV-586 antenna coupler is an antenna signal splitter that provides two outputs from a single antenna. The AV-586 is designed to provide the necessary signals to two newer navigational radios that only have one antenna input to receive VOR/LOC/GS signals. ....P/N 11-14044 ....**$172.90**

RAMI ANTENNA COUPLER / 50 OHMS - AV-587
The AV-587 antenna coupler is an antenna signal splitter/diplexer that provides three outputs for antennas with only a single output port. One output provides a combined VOR/LOC/GS signal, a second provides a VOR/LOC signal, and a third output provides the GS signal. P/N 11-14046 ....**$215.95**

VHF DIPLEXER SPLITTER- Splits the signal from a VOR NAV antenna into NAV and glide slope receivers. Application: Navigation & Glide Slope Frequency: 108-118 & 328-335 MHz Impedance: 50 Ohms Nominal Connector: (3) Type "BNC" Females Max Weight: 3.5 oz Filtering: 30 dB Min / 40 dB Avg Insertion loss: 1 dB Maximum Isolation: 38 dB Min Dimensions: 2" x 1-3/3" x 1-1/8" RF Power Capacity: Receive only ....P/N AV-570 ....**$124.75**

VHF TRIPLEXER SPLITTER - Splits signal from VOR NAV antenna into two NAV receivers and one glide slope receiver. Application: Navigation & Glide Slope Frequency: 108-118 & 328-335 MHz Impedance: 50 Ohms Nominal Connector: (4) Type "BNC" Females Max Weight: 3.5 oz Filtering: 30 dB Min / 40 dB Avg Insertion Loss: 3.75 dB Maximum Isolation: 22 dB Min / 35 dB Avg Dimensions: 2" x 1-3/3" x 1-1/8" RF Power Capacity: Receive only.
P/N AV-571 ....**$155.75**

AV-575 ANTENNA DIPLEXER/SPLITTER - The AV-575 FAA/TSO antenna is a marker beacon antenna splitter allowing two receivers to share the same antenna. It is a direct replacement for the CI 509. Frequency: 75

AV-585 ANTENNA DIPLEXER/SPLITTER - The AV-585 FAA/TSO antenna is a diplexer/splitter providing (2) VOR/ LOC and (2) GS outputs from one VOR/LOC/GC antenna. It is a direct replacement for the CI 1125. Frequency: 108-118 MHz / 328-336 MHz..............................P/N 11-10842 ....**$168.95**

AV-926 TRIPLEXER - The AV-926 triplexer can be used with airborne multiband FM transceivers. The device is designed to provide three separate frequency band ports (typically going to a multiband transceiver) from a single port multiband antenna.
P/N 11-10847 ....**$490.00**

RAMI ANTENNA DUPLEXER SWITCH / 50 OHMS - AV-590 - The AV-590 duplexer allows two communications radios to share one antenna. In normal, non-switched mode the AV-590 evenly splits the signal between two radio receivers. When the control voltage is activated by a microphone's PTT, the AV-590 switches the antenna to the corresponding radio transmitter and isolates the other receiver.
P/N 11-14047 ....**$310.00**

RAMI ANTENNA DIPLEXER / 136-174 & 380-520 MHZ - AV-927 - The AV-928 diplexer can be used with airborne multi-band FM transceivers and is deigned to provide two separate frequency band ports from a multi-band antenna with a single output port. AV-928 diplexer frequency outputs: 136 - 174 MHz and 380 - 520 MHz. ....P/N 11-14048 ....**$487.00**

RAMI ANTENNA DIPLEXER / 136-174 & 760-870 MHZ - AV-928 - The AV-928 diplexer can be used with airborne multi-band FM transceivers and is deigned to provide two separate frequency band ports from a multi-band antenna with a single output port. AV-928 diplexer frequency outputs: 136 - 174 MHz and 760 - 870 MHz. ....P/N 11-14049 ....**$487.00**

RAMI ANTENNA DIPLEXER / 380-520 & 760-870 MHZ - AV-929 - The AV-929 diplexer can be used with airborne multi-band FM transceivers and is deigned to provide two separate frequency band ports from a multi-band antenna with a single output port. AV-929 diplexer frequency outputs: 380 - 520 MHz and 760 - 870 MHz. ....P/N 11-14050 ....**$487.00**

RAMI ANTENNA DIPLEXER / 136-174 & 380-870 MHZ - AV-930 - The AV-930 diplexer can be used with airborne multi-band FM transceivers and is deigned to provide two separate frequency band ports from a multi-band antenna with a single output port. AV-930 diplexer frequency outputs: 136 - 174 MHz and 380 - 870 MHz
P/N 11-14051 ....**$487.00**

RAMI ANTENNA DIPLEXER / 118-137 & 150-14 MHZ - AV-931 - The AV-931 diplexer can be used with airborne multi-band FM transceivers and is designed to provide two separate frequency band ports from a multi-band antenna with a single output port. AV-931 diplexer frequency outputs: 118 - 137 MHz and 150 - 174 MHz.
P/N 11-14052 ....**$585.00**

COZY ANTENNA KIT - For composite Aircraft Antenna component kit for Canard Aircraft: Includes, copper tape and toroids to fabricate your own inexpensive, flexible antenna set for NAV, COM, MKR, ILS antennae. Antennae can be placed anywhere that they fit on fiberglass aircraft. This kit has the advantage of having all required parts for multiple (up to 8) antennae and are the most inexpensive antennae on the market..P/N 11-11420 ....**$59.97**

QUICKIE ANTENNA KIT - Simple installation procedure produces excellent communications antenna. Order additional kit for navigation antenna.
P/N 11-09800 ....**$17.00**
Toroids Only - Used in our quickie antenna kit for composite aircraft.............P/N 11-09900 ....**$0.78 ea.**

VHF ANTENNA MOUNTING PLATE - Aluminum 2x4 mounting plate for straight 45-90 degree antenna including transponder antenna. The antennas sold separately, 4 clearance for mounting and center hold for antenna. ....P/N 11-09988 ....**$14.95**

RAMI BALUN TRANSMISSION LINE / CABLE & BALUN ASSEMBLY

Rami AV Balun Transimission Line / Cable & Balun assembly.

Description	Part No.	Price
Rami Av-12 Balun Transmission Line	11-14056	$69.95
Rami Av-532 Balun Transmission Line	11-14057	$69.95
Rami Av-6 Balun Transmission Line	11-06992	$96.75

AV

Prices Subject to Change Without Notice

ANTENNAS

BOB ARCHER AIRCRAFT ANTENNAS

These antennas have been designed by Bob Archer from Torrance, CA utilizing concepts common to military aircraft and space vehicles. The antenna performance is superior to most in use today in private aircraft. The only requirement for max. performance is that the antennas must be installed in accordance with the installation instructions. These antennas are designed to be installed inside fiberglass or other non-conductive wing tips or tail caps of metal or other conductive material aircraft.

SPORT AIRCRAFT ANTENNAS

MODEL 1A This Wing Tip Com Antenna is designed to fit inside larger fiberglass wing tips on metal (conductive that is) airplanes such as T-18's, RV's Bonanzas etc. But tuned out for the Com Band. The wing tips must have internal dimensions of at least 11"x24" and generally fit better on the bottom surface. The VSWR is normally less than 2.0:1 over a frequency band of 108 to 127 Mhz but could be higher due to installation factors. Offered because of pressure from RV builders. Users report good communications at ranges greater than 50 miles. Should be installed so that the maximum height of the tip is utilized to get the most vertical polarization.
Left Side...P/N 11-21016-1 ..... **$124.85**
Right Side..P/N 11-21016-2 ..... **$124.85**

MODEL 2 - Tail cap Com antenna for metal (conductive) airplanes installed inside a tail top fiberglass fairing with inside dimensions of at least 10" high x 12" long. VSWR is normally less than 2.0:1 over a COM frequency band of 118 to 136 Mhz.
P/N 11-21020 .... **$168.75**

MODEL 4 - Wing tip VOR antenna designed for smaller tips with a 10 degree flare on the top portion and a curled aft portion. VSWR less than 2.0:1 over the frequency band of 108 to 118Mhz.
Right Side ...P/N 11-21025-1 ..... **$128.95**
Left Side .....P/N 11-21025-2 ..... **$124.85**

ANTENNAS FOR COMPOSITE AIRCRAFT

MODEL 6 - This com antenna is designed to be installed on the inside surface of the aft fuselage of composite and wood aircraft. It is a dipole that is folded up to minimize the vertical dimension and requires 12" of fore and aft space and 26.5" vertically. It is designed with flexibility so it can match the internal curvature of the fuselage. The VSWR is less than 2:1 across the com frequency band.
P/N 11-21000 .... **$187.75**

MODELS 7 & 8 - These antennas are essentially the same with the exception of the overall length and the matching devices with the com antenna being installed vertically and the nav antenna being installed horizontally. VSWR is less than 2:1 over their respective frequency bands. The outer ends of these antennas may be swept to +/-30° to facilitate installation in various aircraft types.
NAV Antenna Model 7 ....P/N 11-21030 .... **$124.85**
COM Antenna Model 8...............................P/N 11-21035 .... **$119.95**

ARCHER MARKER BEACON ANTENNA

Marker Beacon antenna kit. Consists of 40"of copper tape (1/4 wave length) and enough coax cable for most installations in fuselage area, plus hardware. Works fine in glass wing tips and fuselages or wing to fuselage gap seals. ....P/N 11-14517 ....**$52.95**

NOTE: When ordering wing tip antennas, order antennas with -1 suffix if installing on the bottom inside surface of a left hand tip or upper inside surface of a right hand tip. Order antennas with a -2 suffix if installing on the inside lower surface of a right hand tip or the upper inside surface of a left hand tip. Wing tip Com antennas should be installed only on lower inside surfaces.

STAINLESS VHF ANTENNAS FOR HOMEBUILTS

These VHF antennas are stainless steel including all hardware. Insulators are made of Delrin, which resists extreme cold or high temperatures and is non-breakable. Antennas are available in straight and 45° or 90° angles. 118–136 mHz range. Weight: 3 oz. Not FAA approved.
Straight ....P/N 11-04516... **$44.75** 45° .... P/N 11-04517 ...**$44.75**
Transponder ...P/N 11-02759... **$21.85** 90° .... P/N 11-00648 ...**$42.95**

RED TAIL AIRBAND ANTENNA

Bent (bottom) Airband Whip Antenna. Non-TSO'd for Experimental aircraft. Delta Pop Aviation Red Tail™ Antennas are the best non-TSO'd antennas we have found, with performance as good as the best TSO'd units. Frequency - 118 to 137 MHZ. VSWR - Less than 2.5:1 Measured with Anritsu Antenna Analyzer. Polarization - Vertical. Impedance - 50 Ohms. Connector - BNC Female. Element - Tapered Aluminum UV Resistant Powder Coated. Configuration - DC Grounded To Reduce "P" Static. Mounting - 8-32 x .437" long threaded studs. Weight - 6.5 oz / 184 grams. Finish - White Polyurethane.
Bent (Bottom) ....P/N 11-13829 .... **$139.00**
Straight (Top)..P/N 11-13828 .... **$125.00**

RED TAIL TRANSPONDER ANTENNA

Streamlined Transponder Antenna. Non-TSO'd for Experimental aircraft. The Delta Pop Aviation streamlined transponder Antennas are the best non-TSO'd antennas we have found, and they offer a low drag solution at a good price. Frequency - 1030 to 1090 MHZ. VSWR - Less than 1.2:1 Measured with Anritsu Antenna Analyzer. Polarization - Vertical. Impedance - 50 Ohms. Connector - BNC Female. Mounting - 8-32 x .437" long threaded studs. Weight - 2.6 oz / 74 grams. Finish - White Polyurethane.
P/N 11-13830 ....**$78.75**

WSI WEATHER/SIRIUS RADIO ANTENNA

Operates with all new WSI InFlight® capable receivers. The antenna receives Sirius Satellite Radio broadcasts to enable the WSI weather service. It was designed specifically to suppress interference from ground based signals. Its proprietary design allows for optimum performance while the aircraft is turning. The antenna has been thoroughly tested and meets all of the RTCA DO-160E requirements.
P/N 11-05937 .... **$720.00**

ANTENNA WIRE

COAXIAL CABLE - RG-58U – Tinned copper conductor, solid polyethelane dielectric. Standard cable for radio installations. For experimental aircraft only.............. P/N 11-04258...........**$0.74 ft** .... **$51.80/100ft.**

TYPE RG-400U – Tinned copper conductor, PVC Type IIA jacket. FAA approved for certificated aircraft.
P/N 11-09202............**$3.85/ft** .... **$327.25/100ft.**

BNC COAXIAL ANTENNA CONNECTORS FOR RG-58U CABLE
Male.........................P/N 11-03992 ....**$2.85**
Female.....................P/N 11-03993 ....**$2.40**

BNC COAXIAL ANTENNA CONNECTORS FOR RG-400U CABLE
Male.........................P/N 11-01802 ....**$2.15**
Female.....................P/N 11-01803 ....**$3.95**

ANTENNA INSULATORS

(1) Feed-Thru Insulator for lead-in wire from fixed antenna. Type 4125. 10-32 threads, 3" length tip to tip, 1-9/16" casing. ...P/N 11-10500 ....**$15.65**
(2) Strain Insulator for receiver antenna.
P/N 463 ....**$10.95**

TED TRANSPONDER ANTENNA - This monopole transponder/DME antenna meets the same specifications and is a direct replacement for the CI-101 and AV-22 antennas. Exceptional performance and value. ....P/N 11-17995 ....**$29.95**

COPPER ANTENNA FOIL TAPE 3/8"
Used as an antenna ground in composite aircraft.
P/N 11-12900 ....**$40.50**

TORROIDS (FERRITE BEADS)
Used in our quickie antenna kit for composite aircraft.
P/N 11-09900 ....**$0.78**

KLEIN WIRE STRIPPERS / CUTTERS

P/N 12-00234   P/N 12-00236   P/N 12-00235   P/N 12-00233

Klein wire strippers and cutters cut, strip, gauge and loop a wide range of wire types and sizes. Made of strong, hardened steel with comfortable handles, these tools are durable and long lasting.

Part No.	Description	Price
12-00234	Strips 16 to 26 AWG stranded wire, easy-to-read wire gauge markings, comfortable handles with cushion ridges.	$16.85
12-00236	Solid and Stranded. Double-dipped comfort grips with curved handles, cuts, strips, loops and gauges 20-30 AWG solid wire and 22-32 AWG stranded wire, cleanly shears 6-32 & 8-32 screws, coil spring provides fast, self-opening action.	$21.50
12-00235	Solid and Stranded. Double-dipped comfort grips with curved handles, cuts, strips, loops and gauges 10-18 AWG solid wire and 12-20 AWG stranded wire, cleanly shears 6-32 & 8-32 screws, coil spring provides fast, self-opening action.	$21.99
12-00233	Strips 10 to 18 AWG solid wire, easy-to-read wire gauge markings, comfortable handles with cushion ridges.	$13.95

SUPERCHAMP IV CRIMPING TOOL

The professional quality crimping tool. This versatile hand tool has crimping dies for insulated an uninsulated terminals and splices in wire sizes No. 22 to No. 10 AWG. It has a terminal locator to position insulated terminals during crimping and an in-nose cutter for tight locations. This tool is a wire stripper and has a built-in heavy duty bolt cutter. Color coded dies in tool nose correspond to color on terminal insulation sleeve to insure die selection. A stud gauge and wire stripping gauge are important on the tool body. Cushioned handles. Made in the U.S.A.

P/N 604252-1 ....**$19.85**

BANTAM ROTA-CRIMP TOOL

The AMP Bantam Rota-Tool crimps uninsulated terminals and splices for No. 8 to 1/0 sizes. The correct die position is selected by rotating dies to correct AWG number. Dies are fixed in tool to avoid loss. Compact, rugged and easy to handle. 15" long. Wt. 5 lbs. Not for certified Aircraft use.   P/N 601075 ....**$1,775.00**

BALLPOINT HEX SOCKET DRIVER

3/32" Ballpoint Hex Socket Driver for use on hex head screws and nuts.

*This tool is commonly used with most avionics units like Honeywell Bendix/King and Garmin.

P/N 12-02063 .... **$5.55**

QUICK SHOT AVIONICS REFERENCE MANUAL

Quick Shot is a compact, rugged binder type manual which shows detailed wire pin-outs for a wide variety of general aviation avionics equipment. Each page is removable and very durable. The wiring diagrams in Quick Shot Volume 1 include Apollo/UPS, Bendix, Garmin, Icom, Sandel Mid-Continent Instruments and Avionics, Sigtronics, United, Telex, David Clark, PS Engineering, Narco, Val, and many more.

P/N 11-01623 .... **$56.50**

AV

LITTLE BLUE CRIMPER

The Daniels AFM8 is designed for most of the miniature and sub-miniature connector types that are so widely used in all types of electronic systems. Originally developed for the Air Force, the AFM8 meets the need for a miniature tool accommodating wire sizes 20 thru 32 AWG. The cycle controlled precision ratchet assures consistently accurate crimps every time. The tool has a built-in eight step selector knob for ease in dialing the correct crimp depth setting for the wire being used.

Little Blue Crimper.................................... P/N 11-04443........... **$342.00**
Adapter K13-1 For Low Density Pins....... P/N 11-12211............. **$67.80**
Adapter K42 For High Density Pins .... P/N 11-12212............. **$67.75**

BIG BLUE CRIMPER

The Daniels AF8 has virtually limitless application within the specified wire range of 12 thru 26 AWG. Over 1,000 turret heads or positioners are available to adapt the tool frame to your specific military or proprietary contact/wire combination. The eight impression crimp, which is standard in the AF8, assures absolute maximum tensile strength with almost every closed barrel contact. The precision ratchet controls cycling on the tool in both directions of handle movement. This assures the same, accurate crimp every time. It's like having a quality control inspector at every work station.

P/N 11-04442 ....**$399.00**

AMP PRO CRIMPER II HAND TOOL

The PRO-CRIMPER II Hand Tool provides the versatility of general-purpose service of general-purpose service tools along with the reliability and ease of use of many premium-grade tools For versatility, 75 die sets (available separately) are interchangeable, including those for open-barrel contacts and terminals. Additionally, many of these die sets have multiple cavities for crimping a variety of contact or terminal sizes.

Pro Crimper II 58433-3...................P/N 12-01379 .... **$144.95**
O-Crimp Die 58435-1 ....P/N 12-01380 .... **$320.00**
Hex Crimp Die 58436-1...................P/N 12-01381 .... **$195.95**
Pin & Socket 58495-2 ....P/N 12-01382 .... **$178.75**

CRIMPING/CUTTING TOOL

This tool is designed to crimp insulated and non-insulated 10 to 20 AWG solderless terminals & connectors. It has easy-to-read tool markings to identify the insulated or noninsulated crimping dies. Its tapered nose design works well in tight places and has specially hardened cutter in th nose for quick, clean cuts. Size: 9.75". Lifetime warranty...P/N 12-00698..................**$39.95**

CRIMPMASTER CRIMP TOOL FRAME

Crimpmaster Crimp Tool Frame Only. 1.26lb.
30-506 Crimp tool .... P/N 11-08686.**$94.50**
Die Set Hex for the 30-506 ... P/N 11-08687.**$45.50**

CRIMPMASTER™ CRIMP TOOL

for #22 to #10 AWG (.324mm2 - 5.261mm2) Insulated Ring Tongue Terminals and Splices Features: Provides good and consistent crimp every time, Dies change quickly and easily with a screwdriver, Interchangeable dies provide versatility in a single tool, Cushioned, comfort-grip handles
30-500 Crimp tool ....P/N 11-08688.......**$109.75**

CRIMP TOOL (HX4) CRIMP TOOLS

The DMC HX4 Crimp tool features a system of interchangeable dies which eliminate the need of separate fixed die crimp tools for each and every different application. Many maintenance and manufacturing concerns have standardized on this model, thus eliminating the cost associated with maintainaing and calibrating bulky inventories of single purpose tools. Length: 11" Weight: 11 oz.

H4X Crimp Tool...P/N 11-08690 ..**$309.00**
Die set 5-24 AWG..P/N 11-08691 ..**$185.75**

HAND CRIMP TOOL GMT232

The GMT232 Hand Crimp Tool crimps low profile environmental splices. The GMT232 is the most popular tool to cover the range of 12 (yellow), 16 (blue), and 20 (red) splices for low profile environmental splice applications. The GMT232 has a locator which is configured to hold the splice in the correct location while either wire is being terminated. This tool is comparable to the popular Tyco AD1377.

P/N 11-08692 ....**$197.75**

AVCOMM AC-2EX PORTABLE INTERCOM

Measuring a mere 5.1" by 2.85", it is designed to produce powerful communications you can depend on. The compact design makes it easy to carry in your flight bag, a feature pilots who rent aircraft will especially appreciate. Need 4 positions? Simply add the AC-2XM module to accommodate additional passengers. FEATURES: • AVCOMM's Expandable Portable: 2 to 4 place • Rugged compact design • Two 9V batteries with quick access or 12-28V DC power • Stuck mic' indicator & Power-transmit LED • For use with mono or stereo headsets • Pilot priority PTT • Fail safe feature • Wt: 14.1 oz. • Full 3 year factory warranty...P/N 11-02264 ....**$227.26**

DRE D-205E INTERCOM

Two place portable/built-in expandable intercom with outstanding, clean stereo sound. Individual squelch circuits and PTT jacks. Stuck mic warning (visual and audio alarm). Automatic failsafe pilot communication to radio with loss of power to the intercom. Accessory inputs for Stall Warning, Altimeter Alert, Collision Avoidance & Engine Monitor, etc. (for built-in use). Standard cell phone interface. No deterioration of sound as battery weakens. Powered by two 9V batteries. Auxiliary power input (on the side). Automatically compatible with mono or stereo headsets or a mix. Optional mounting flanges allow installation in ultralights and LSA. Anodized aluminum case. Additional features include Mil-Spec quality cabling, music input for MP3 players, CD, etc. and auto music muting with manual override. 3-year warranty.

DRE Stereo Intercom ....P/N 11-09576 ....$349.00
DRE-205E Aux. Power Cord ....P/N 11-09585 ....$14.75
DRE-205E Mounting Brackets.........................P/N 11-09577 ....$13.85

AVCOMM DX-AC6PA INTERCOM

Designed to provide the highest level of audio performance. The Quick Install Kit makes it a snap for almost anyone to install without the task of soldering individual connectors. Compact aluminum case that fits virtually anywhere on the panel. 2~6 place panel mount intercom.Quick Install Kit included.Rugged construction. Solid extrudedaluminum frame. Compact size fits virtually anywhere. Power transmit LED. 12~28 volt compatible. Pilot priority PTT.Full three-year factory warranty.................................P/N 11-02267 ....**$385.00**

FLIGHT DATA SYSTEMS AP-60 AUDIO MIXER

An Audio Mixer is Required any time there is more than one Audio Source. This unit mixes and amplifies six audio inputs. Mounts behind the instrument panel. **For Example** • Communications Radio Audio • Navigation Radio Audio • EFIS Warning Audio • Music Player Audio • Traffic Warning Audio **Specifications** • Aux. Audio Input • Compact (2.5" X 3.4 X .6"), Lightweight (2.1 oz) • 12-28 Volt Compatible • No Special Tools Required For Installation ....P/N 10-03427 ....**$85.95**

NAV-DATA 4 PLACE INTERCOM

This Four place intercom is packed with features only found in much more expensive units. Failsafe feature for pilot in the event of power loss. Pilot isolate switch. Oprates on one 9 volt battery. Adjustable squelch (mute). Voice activated (VOX). Built in push to talk switch. Music in / Record out jacks..........P/N 13-06088 ....**$109.85**

FLIGHTTECH ITC-2004 ENR 4-PLACE INTERCOM

4 place portable intercom with pilot isolate capability. **Features:** Exclusive Electronic Noise Reduction circuits. Up to 110db of Noise Reduction. Continues Audio, No missed Syllables or Words. Built-in Cellular Phone Interface, includes patch cable. Pilot/All Switch. 9 Volt Battery or External DC Operation, Cigarette Lighter Adaptor included. Auxiliary Stereo Audio Input with Radio Mute and Intercom Audio Mute. Light weight, 10 oz. Push-to-Talk Button for Keying the Comm Radio. Pilot and CoPilot Radio PTT Jacks. Small Size: 5.5" x 1.5" x 3.2" Three Year Warranty. ....P/N 11-17669 ....**$260.95**

FLIGHTTECH ITC-401SJ INTERCOM

• Exclusive Background Noise Reduction Technology • Continuous Audio, No Missed Syllables or Words • Up to 110db of Noise Reduction • Single Volume Control • Built-In Cell Phone/Aux Audio Interface • 9 Volt Battery Operation • External DC Power Jack and Power Cord • PTT for Keying Comm Radio • Small Size: 4" x 2.5" x 1.5' • Compatible with headsets with Electret Microphones • Three Year Warranty. ....P/N 11-09736 ....**$169.95**

AIRCRAFT SPRUCE SKYCOM 200 PORTABLE INTERCOMS

Measures just 2.25"x1.38"x 2.75". Portable & Compact. Pilot/Co-Pilot Volume Controls. Adjustable Squelch Circuit. Fail Safe Mode. Easy Battery Access. Powered by 9V Battery. 25-30 Hours Battery Life

SkyCom 200E 2-Place Intercom ....P/N 11-11860 ....$89.95
SkyCom 200E 4-Place Intercom ....P/N 11-11865 ....$118.95

COMTRONICS ULTRA-COM II INTERCOM

Comtronics very popular two-place portable intercom was designed for pilot/copilot communication in high noise environments. Separate volume controls are adjustable by either pilot or passenger to meet individual hearing needs. This intercom can be used as an intercom only or a complete package with the addition of a single transceiver using a matching Comtronics radio interface cable with push-to-talk switch. The ULTRA-COM II integrates directly with all Comtronics headsets and helmets providing air-to-air and air-to-ground communication. This intercom includes a 3-foot adapter cord connecting to various external inputs such as a radio interface cable with push-to-talk switch for a single transceiver. ....P/N 11-07430 ....**$239.95**

PS ENGINEERING PM 1000II 4 PLACE MONO PANEL MOUNT INTERCOMS

PS Engineering's renowned voice activated intercom (VOX) eliminates clipped words and shouting. Other features include individual volume and squelch controls for the pilot and copilot. Music can be added to the intercom for in-flight entertainment. Automatic muting when the intercom is active, or intercom and radio (PM 1000II-series) ensures uninterrupted communications. PS Engineering's "SoftMute" gradually returns the music to the original level when conversation stops. PM 1000 is an effective 2-place intercom, with individual volume and squelch controls, while the 4-place PM 1000II adds a transmit indicator lamp, and music muting during radio traffic. The PM 1000II, 11-11922, has pilot isolate mode that allows the pilot to concentrate on flying, while the passengers enjoy music and conversation. The PM 1000II with CREW mode (P/N 11-11920) allows for separate intercom for the pilot and copilot positions, as well as separate music sources for front and back. On all PS Engineering intercoms a wire harness must be done by PS Engineering or a PS Engineering dealer or warranty is void. For a quote on 11-11922 PM 1000II with out crew wire harness, on 11-11920 PM 1000II with crew wire harness, or on 11-02553 please call 800-826-3160. Warranty: 1 year.

PM1000II 4-Place Intercom...............................P/N 11-11922 ....$395.00
PM1000II-w/Digital Recorder ....P/N 11-11906 ....$469.95
6-pl. for expansion module...............................P/N 11-02555 ....$399.00
PM1000II-w/ Internal Crew...............................P/N 11-11920 ....$519.00
PM1000II-w/Crew & Recorder.........................P/N 11-11908 ....$529.95
PM1000 2-pl. for dual audio panels ....P/N 11-02553 ....$799.95
Jack Kit (4-Place) ....P/N 11-11910 ....$35.00
2-1/4" Mounting Plate with Crew ....P/N 11-14383 ....$19.95
2-1/4" Mounting Plate with out Crew ....P/N 11-14360 ....$19.95

PS ENGINEERING AEROCOM III

The Aerocom III is a 2-place stereo portable intercom with IntelliVox™, a completely automatic VOX squelch. Each microphone computes the difference between speech and cabin noise. It opens instantly when somebody talks and only the microphone spoken into is active. This prevents unwanted background noise from entering the audio system. Powered by a 9V battery (10 hrs of use) or aircraft power. Features low battery alert. By using external push-to-talk buttons (not included), both the pilot and copilot positions have the ability to transmit over the aircraft radio. The aerocom III will route stereo music to the headsets through the optional music cable. The music automatically mutes when there is intercom activity or radio traffic.There are two modes controlled by a top-mounted switch. In "ALL" mode, both positions hear radio communications, music, and have intercom capability. In the "ISO" mode, only the pilot side is connected to the aircraft radios, without intercom or music distractions. The copilot position continues to have music, and intercom communications with an expansion unit if installed.The aerocom III is expandable to 4-places with the Aerocom EX expansion unit available by special order. This contains separate music input and dedicated IntelliVox™ processors. Specifications: Size: 4.375"l x 3.250"w x 1.500"h; Wt: 10 Oz.; Power: 9V batt. or 12/24V aircraft power Battery Life: Approx. 10 hrs.; Headphone output: 40m w/channel into 150Ω, < 1% THD; ±3dB mic frequency range: 350 Hz to 4500 (to reduce noise); ±3 dB music frequency range: 180Hz–15,000Hz ....P/N 11-00427 ....$399.95
Expansion Unit (adds 2-places) ....P/N 11-01108 ....$139.95

PM 3000 PANEL MOUNT STEREO INTERCOM

The world's first stereo intercom to be FAA-TSO approved. Available in 4- & 6-place versions. The 4-pl. PM 3000 (P/N 11-11931) features pilot isolate and "All" reception modes. The PM 3000 6-place (P/N 11-00851) intercom includes a "CREW" mode. In CREW mode, the pilot & copilot are on one intercom channel, while passengers have conversation on another. Constant squelch adjustments are eliminated with the PM 3000. A single squelch knob controls multiple circuits making the intercom one of the quietest to use, even in the noisiest airplanes. The 6-place PM 3000 provides for two independent stereo entertainment inputs. This gives the passengers and the crew each the option to listen to their music device. The PM 3000 has an automatic fail-safe interconnect to the aircraft systems. If power to the intercom is disrupted, the pilot's headset is automatically connected to the aircraft radio. With the PM 3000 installed, both pilot and copilot have transmit capability over the aircraft radio. A 2-color LED shows green when power is on, and red during radio transmissions. This feature acts as a stuck microphone indication. On On all PS Engineering intercoms a wire harness must be done by PS Engineering or a PS Engineering dealer or warranty is void. For a quote on the PM 3000 4 place or 6 place please call.

PM 3000 4-Pl. Stereo Intercom (w/o digital recorder) – single music input. Installation hardware includes four sets of headset jacks, a music jack and reversible (horizontal and vertical) metal mounting plate.

....P/N 11-04843 ....$529.95
PM 3000 4-Pl.w/ digital recorder w/o Crew......P/N 11-02556 ....$539.95
PMA 3000 6 Pl with Crew ....P/N 11-13662 ....$649.95
2-1/4" Mounting plate (w/o crew)......................P/N 11-00394 ....$19.95

PM 3000 6-Pl. Stereo Intercom (w/o digital recorder) – dual music input. Installation hardware includes six sets of headset jacks, two music jacks and reversible (horizontal and vertical) metal mounting plate.

....P/N 11-00851 ....$649.95
2-1/4" Mounting plate (with out crew)...............P/N 11-00394 ....$19.95
2-1/4" Mounting plate (with crew).....................P/N 11-00393 ....$19.95

PM501 PANEL MOUNT INTERCOM

For the pilot who is interested in the basics and then some, the PM501 panel mount inter- com provides the pilot with standard features along with a few features found in more expensive systems.This four channel intercom features individual power output amplifiers for each headset, true pilot isolate for uninterrupted radio communications, music input w/ unprecedented high monaural music input, music muting during ICS communications w/ "soft mute" for easy listening entertainment, & PS Engineering's top quality squelch circuit. The PM 501 does not come with jacks. For a quote on the wiring harness please call. Specifications: Height: .90 inches, Width: 2.60 inches, Depth: 4.85 inches, Weight: 8.5 ounces, Power Requirement: 12-24 VDC, Unit is not TSO'D ...P/N 11-11800 ....$319.95

AV

PMA 4000 PANEL MOUNTED AUDIO PANEL/INTERCOM

Offers the simplicity of IntelliVox'- automatic intercom squelch. Designed with the kit and homebuilt in mind, the PMA 4000 has 2 Com and 2 Nav inputs, along with 4 additional unswitched inputs. The PMA 4000 is a monaural 4-place intercom. A speaker amplifier is included. The copilot volume control can also be remote controlled, for tandem aircraft. On all PS Engineering intercoms a wire harness must be done by PS Engineering or a PS Engineering dealer or warranty is void. For a quote on the PMA 4000 harness please call.

PMA 4000 w/o Recorder ....P/N 11-01634 .... **$845.00**
2-1/4" Mounting plate ....P/N 11-00395 .... **$19.95**

PS ENGINEERING PM 1200 2 PLACE MONO HIGH NOISE PANEL MOUNT INTERCOM

The PM 1200 is a 2-place panel mount intercom designed for the loudest of aircraft. If you fly Warbirds or other extremely noisy aircraft, PM 1200 is perfect. Incorporating IntelliVox with our new Active Mic Processor (AMP), the PM 1200 dynamically reduces noise inadvertently picked up by the Mic. It also supplies up to 120mW of headset audio. On all PS Engineering intercoms a wire harness must be done by PS Engineering or a PS Engineering dealer or warranty is void. For a quote on the PM 1200, or the PM 1200 blind mount click here. Specifications: Height: 1.25 inches, Width: 3.0 inches, Depth: 5.50 inches, Weight: 12 ounces, Power Required: 12-24 VDC, Warranty: 1 Year, Unit is not TSO'D ....P/N 11-01671 .... **$469.95**

XCOM INTERCOM

Digitally controlled, intercom system suitable for nearly every 2 or 4 place aircraft. Features a full VOX (Voice Activated) intercom with second com ability, music input with muting and the ability to use different branded headsets without compatibility issues. Successfully mated to the leading handhelds as well as panel-mounted Icom, Narco, King and the like. Measuring only 2-1/8 x 1 x 3-7/8" or (53 x 24 x 100mm) and with a panel size of only 1 x 2 1/8 (53 x 24mm), it's one of the smallest and lightest intercoms in the world and only draws 60 ma (at 14 V) during operation. Mount horizontally or vertically. No voice clipping. Monitors and reduces background noise when the voice circuit is open. One simple DB15 connector is all thats needed, RS-232 port for future software updates. 2 com inputs cater for a primary airband com and a secondary VHF, UHF or Marine band transceiver. Additional input for CD player, FM Radio or MP3 player is available with auto muting to enable seamless communication in the cockpit. Voltage: 10-30 VDC. 2 yr warranty. ....P/N 11-02207 .... **$447.00**

SIGTRONICS SCI-4 INTERCOM

The SCI-4 from Sigtronics features dual squelch indicator lights and dual volume and squelch controls to control volume and squelch independently for front and back seats, crew/pilot isolate and pre-wired harness for easy installation. The SCI-4 is RFI and EMI immune and measures only 1"x 2.5". Includes all hardware and jacks needed for installation. SCI-S4/S6 Intercoms have the same features as SCI-4/6 Intercoms plus music inputs. 5-yr warranty. Made in USA.

SCI-4 4-place ....P/N 11-00027 .... **$370.00**
SCI-6 6-place ....P/N 11-00028 .... **$402.00**
SCI-S6 Stereo 6-place ....P/N 11-00425 .... **$508.00**
SCI-S4 Stereo 4-place ....P/N 11-00424 .... **$477.00**

SIGTRONICS MINIATURE PANEL-MOUNTED INTERCOMS

Measuring only 1" x 2-1/2" x 4" deep, only 4.5 oz, the SPA-400 and 6-place SPA-600 are FAA TSO'd and can be mounted either horizontally or vertically. Also available in special "HIGH-NOISE" model SPA-400N for Ultra-lights, and open cockpit aircraft, kit aircraft and warbirds. The se intercoms allow you to put "push-to-intercom" buttons in the aircraft to eliminate VOX mode when desired. This is especially good for open-cockpits where wind noise can be a problem. The SPA-400N simulates side-tone because some radios that are currently used in these markets do not have it. The SAS-440 and SAS-640 intercoms feature Sigtronics' exclusive "Auto-Squelch". One touch of the squelch button and the intercom perfectly sets the squelch level to your headsets and the aircraft noise level. All Sigtronics intercoms are voice activated with a 5-year warranty and operate on any voltage from 12V to 24V. Made in USA.

2 Thru 4 Way (Standard SPA-400 ....P/N 11-02791 .... **$229.00**
6 Way (Standard) SPA-600 ....P/N 11-02801 .... **$267.00**
4 Way (High Noise) SPA-400N ....P/N 11-02792 .... **$255.00**
2 Thru 4 Way (Auto Squelch) SAS-440 ....P/N 11-02804 .... **$343.00**
6 Way (Auto Squelch) SAS-640.......................P/N 11-02816 .... **$382.00**
Retrofit stereo switcher-use with previously installed
SPA-400 intercom - RES-401 ....P/N 11-02796 .... **$137.00**

SIGTRONICS SPORT 200/200S INTERCOM

Optimized for the High Noise Environment. Sigtronics 2-place Sport 200 & Sport 200S Intercoms are designed specifically for Light-Sport and Ultralight aircraft. Tested at ambient noise levels of up to 120dB, their Sport series intercoms will outperform all other intercoms on the market. modes of operation, voice activated squelch and push to intercom — perfect for open cockpit aircraft, give the Sport 200 intercoms maximum flexibility and performance. To this they added special internal circuitry to optimize the intercoms for the most demanding high noise environments. Use Satellite Radio, MP3 or CD players as your audio source with stereo headsets for true stereo sound. With full or partial music muting for intercom and full mute for radio reception and transmission, you will be able to enjoy your music and never miss a radio call. Size: 1" x 2.5" x 4"deep. For even more convenience you can mount the intercoms horizontally or vertically. All hardware including headphone and microphone jacks are included with these easy to install intercoms. Weight: 4.5 oz., Jacks & wiring harness: 5.5 oz.; Input power: 11VDC - 32VDC; Current: 0.06 am
SPORT 200S Stereo panel mount int. ....P/N 11-02885 .... **$296.00**
SPORT 200 Intercom.......................................P/N 11-02884 .... **$211.00**

SIGTRONICS SPA-4S STEREO INTERCOM

The SPA-4S is a 2 or 4 place voice activated intercom with inputs for stereo music. It is a small, compact system that allows it to fit in space critical panels. The SPA-4S uses the industry standard Sigtronics squelch, fast on slow off for hands free communication. The music will full mute during ATC communication and partial mute during intercom communication. Each intercom comes complete with all necessary mounting hardware, jacks, and two 4-foot pre-wired harnesses. The SPA-4S only requires 1" X 2.5" of panel space, mounts horizontal or vertically, is 4" deep, and weights 5.5 oz. The SPA-4S intercom can easily upgrade the SPA-400. The SPA-4S uses the same panel hole pattern and interface cable as the SPA-400. A second cable is provided for the music inputs and headphone outputs. The SPA-4SN is available for the high noise amateur built aircraft. As with all of Sigtronics products, the SPA-4S is RFI and EMI immune. Power: 11-32 VDC.
Standard SPA-4S ....P/N 11-00567 .... **$306.00**
High Noise SPA-4SN ....P/N 11-00568 .... **$330.00**

SIGTRONICS FACE-PLATE OPTION FOR INTERCOMS

This new faceplate fits the Sigtronics SPA-400, SPA-600 and SBD-800 voice-activated panel mount intercoms. Designed to adapt these compact units to the standard 2-1/4" instrument hole, the new printed bezel increases mounting flexibility and customer convenience. Made of durable and lightweight ABS plastic..P/N 11-08500 .... **$7.95 Ea.**

SIGTRONICS BATTERY POWERED PORTABLE INTERCOMS

5-year warranty and a sure-fit for all students, instructors and aircraft renters. All have a music input and Aux output for recording lessons and radio communications. Both pilot and co-pilot positions have PTT jacks. Powered by an internal 9V battery (included), good for 40 hours of operation in airplanes lacking a cigarette lighter socket. A 4' Aux power adapter is included. When using the power cord, the battery is by-passed, preserving the life of the battery. The 2-place SPO-22, 4-place SPO-42 and 6-place SPO-62 are compatible with all standard aircraft headsets. The 4-place and 6-place models have a satellite box for rear seat positions to keep unwanted headset cords out of the pilot's way. A special HIGH-NOISE model, perfect for Ultra-lights and Kit aircraft, is available in all configurations. It filters out background noise, lowers the input level at mic amp, increases output signal, and mic interface can be modified to interface with Icom radios. Also features a sidetone modification. Made in USA.

For 2 People (Standard)....................................P/N 11-02794 .... **$198.00**
For 2 People (High Noise)................................P/N 11-02793 .... **$223.00**
For Up To 4 People...P/N 10-19115 .... **$253.00**
For Up To 4 People (High Noise).....................P/N 11-01799 .... **$278.00**
For Up To 6 People...P/N 11-02798 .... **$313.00**

PILOT USA PA200 SERIES INTERCOM

PA200 World's Smallest Portable Intercom. A solid VOX intercom offering clear communications. Adjustable volume control and squelch control allows for easy adjustment for all ambient noise levels. 2 push-to-talk switches can be used with the intercom allowing transmission through the radio. Unit is ideal for rental aircraft. PA 200R is also available for motorsports. Features: •On/Off volume control •Adjustable squelch capability •Y-adapter for 2 push-to-talk switches •Powered by one 9V battery (24 hours) •Size: 2.25" x 1.38" x 2.75" •3-yr unconditional warranty •Wt: 8 oz. (227 grams)

PA-200T	11-02712	**$115.00**	PA-200IK	11-11530	**$130.00**
PA-200IC	11-03544	**$130.00**	PA-200V	11-03545	**$130.00**
PA-200TA2	11-03542	**$140.00**	PA-200TA23	11-03543	**$140.00**

PILOT USA PA400 SERIES INTERCOM

The stereo version PA-400ST intercom is a portable design that has been used successfully in general aviation for over 18 years. No other intercom on the market has the features and capabilities of the PA-400ST intercom. This particular series has been recently modified to include a cell phone jack for your safety and convenience. Before using in an aircraft we recommend that you take a check-ride in your living room and become familiar with all the features of your new intercom. A hook-up diagram is included in this guide along with brief description of each function and each control setting. PA400ST....P/N 11-03548 .... **$175.00**

FLIGHTCOM 403MC PANEL MOUNT INTERCOM

The 403 is a 6-place panel mount, voice-activated mono intercom. This easy to use intercom is designed to fit almost anywhere in the panel. Includes:• 403MC Intercom • Connector kit • 4 place mono jack kit. Features: • 3-position transmit capability • Selectable muting and pilot isolate • Auxiliary input for music or alerts • Rectangular faceplate can be mounted horizontally or vertically Specifications: • Weight: 3.6 oz • Length: 2.62 in • Width: 2.37 in • Height: 1 in • Not TSO'D • Power requirement: 12-28 VDC • Two-year warranty ....P/N 11-08755.............. **$149.00**

FLIGHTCOM 403D PANEL MOUNT STEREO INTERCOM

Stereo intercom features include 6-place capability, instant music muting, and pilot isolate so you could focus on your flight and eliminate backseat chatter. • 3-place transmit capability • Easy to adjust squelch and volume controls • Instant music muting, pilot isolate Specifications: • Weight: 5 oz • Length: 5" • Width: 2.4" • Height: 1.2 in • Not TSO'D • Two-year warranty Flightcom 403 intercom includes • 403 Intercom • Connector kit • 6 place stereo jack kit • 2-1/4" hole face plate & vertical/horizontal face plates. Switches are provided in installation kit to allow individual headphone positions to select either stereo or mono mode, allowing the use of monaural headsets
403 w/o recorder w/ jack kit .... P/N 11-17605........ **$269.00**
Stereo input and output jack kit............................ P/N 11-18755........ **$124.75**

FLIGHTCOM IISX PORTABLE INTERCOM

The IIsx is the world's most popular 2-place, portable intercom. The modular design offers expansion capability to the backseat if needed. • Expandable to 4-place portable with optional SR-4 expansion module • Auxiliary inputs and outputs for music or recording flight information • Low-battery indicator and pilot isolate • Uses aircraft power or 9-volt battery Flightcom IISX 2 place includes: • IISX Intercom • Cigarette lighter adapter • Co-pilot transmit cable Flightcom IISX 4 place includes: • All parts in the 2 place • SR-4 expansion module

Flightcom IISX 2 Place.................................P/N 11-08700 ....**$119.00**
Flightcom IISX 4 Place.................................P/N 11-08710 ....**$144.95**
SR-4 Remote Expansion module................P/N 11-04260 ....**$46.75**

FLIGHTCOM 403LSA INTERCOM

2-place stereo activated intercom enhances the fun of flying, as well as safety, by optimizing communication clarity. Features include 2-place capability, instant music muting, and pilot isolate so you can focus on your flight. Easy to use and designed to fit almost anywhere in the panel. Switches provided in installation kit allow individual headphone positions to select either stereo or mono mode. Weight: 5.0 oz. Size: 5 in. L X 2.4 in. W X 1.2 in. H Power Requirements: 0.16 amp, 12-28 VDC

P/N 11-07871 ....**$189.00**

SOFTCOMM PANEL MOUNT INTERCOMS

ATC-2P (2-passenger), ATC-4P (4-passenger) & ATC-6P (6-passenger) panel-mounted intercoms are so compact that they fit most anywhere in the aircraft's panel. Designed to mount either horizontally or vertically, these panel-mounted intercoms will fit in any homebuilt, business aircraft, or general aviation aircraft in production today, and offer stereo or mono sound. The panel-mounted intercom has an exclusive Softcomm feature of a back-up battery (9V) that affords power to the Intercom when the aircraft's master power is shut off or fails in flight. The battery is automatically switched off when aircraft power is present and on when absent. The panel-mounted intercom offers SoftComm's features of Recorder-In and Recorder-Out. A miniature remote audio panel houses this feature and can be located anywhere the pilot prefers. This allows recording of clearances, flight lessons, enroute weather and flight events. The ATC-2P, ATC-4P, & ATC-6P panel-mounted intercoms come complete with mounting instructions, wiring diagrams, all required microphone and headphone jacks, audio recorder jacks, and bi-directional mounted nomenclature plates. These intercoms are supplied with pre-tested 8 ft. cable assembly terminated into a DB25 pin connector. Size: 1"hx2.5"wx6"d. Power 12Vdc. Wt:6.25oz., 3yr warranty.

ATC-4PS .... 4-Place Intercom (stereo)..P/N 11-05313 ....**$259.95**
ATC-6PS .... 6-Place Intercom (stereo)..P/N 11-11807 ....**$298.95**

ITC-402P/404S-P PANEL MOUNT INTERCOMS WITH ENRI

The ITC-404SP offers the same Enhanced Noise Reduction technology, small size and up to four stations, pilot, copilot and two passengers. On cross country flights, enjoy CD or Tape music in full stereo. So that nothing is missed, the music mutes during intercom communications or ATC radio communication. The small size of 2.1" w x 1.1"h x 3.1" makes the ITC-404SP the smallest four place stereo panel mount intercom available.The Built-In Cellular Phone interface enables the pilot to connect a cell phone directly to the intercom, eliminating the need for an external adapter. Simply plug one end of a cable into the cell phone earphone jack and the other end into the intercom cell phone jack. The pilots audio to the cell phone is the ENRI processed audio, eliminating any background noise that might other wise be heard while talking. 4-place stereo intercom panel mount. **Note: Will not work w/ the unamplified dynamic mic.**

P/N 11-01354................ **$279.95**

SOFTCOMM PORTABLE INTERCOMS

These top quality, economical intercom systems are perfect for any type aircraft and are compatible with any standard headset. Features include automatic on/off power, panel controls for volume and gain and a pilot isolate switch (ATC-4 only). The intercoms are 9V DC portable or panel mountable with pilot and copilot transmit as a standard feature. These intercoms can be used with other equipment to record instructions or play cassette music. The new model of the ATC-2 has reduced size and weight, and a front-panel mounted PTT switch. The improved ATC-4 and ATC-6 also have a new dual transmit design. All units have aux power cord and stereo cable. With pilot isolate and push-to-talk switch. Model ATC-2T is a 2-place portable intercom designed for the student pilot. It has a recording feature that allows all CFI and ATC instruction to be recorded on a standard cassette player for future study. It is 9V battery powered and is compatible with all general aviation headsets and radios.

2-Place Portable (mono) ATC-2Y ....P/N 11-05818 .... **$199.95**
4-Place Portable (stereo)ATC-4S ....P/N 11-05905 .... **$292.95**

FLIGHTTECH ITC-401-ENRI PORTABLE INTERCOM

The ITC-401-ENRI 2-place intercom features the Enhanced Noise Reduction Intercoms circuit in a basic, small package. With ENRI, the problems common with voice activated intercoms are eliminated. There are no squelch controls to adjust, no automatic squelch circuits that keep changing levels, only one single volume control. ENRI continuously monitors background noise picked up by the headset microphone and eliminates it, even while talking. Excellent for open cockpit aircraft. 9V Battery Operation • Pilot/All Switch • Available with cable and standard plugs or ICOM A-22, A3 and A4 Cable & Plug • 3 year warranty • 4"L x 2.5"W x 1.5"D............P/N 11-00544 ....**$169.95**

ITC-401-23 - Plugs directly into Icom A5 & 23 with out the need for additional cables ....P/N 11-01005 ....**$169.95**
ITC-401/1-ENRI - Plugs into Icom A22, A3, A4 with out need for additional cables ....P/N 11-00825 ....**$169.95**

FLIGHTTECH ITC-2003-ENRI REMOTE PANEL MOUNT INTERCOM

The ITC-2003-ENRI features ENRI technology, a unique design, a small panel control unit and a remote intercom unit. The small control panel consisting of a Volume control and a Pilot/All switch measures only 1"w x 1.3"d x 1"h. The second part, the intercom unit is only 4.6"x 3.1"x 1.7" and included mounting tabs. Because of D.C. switching and control between the panel control and the intercom, the mounting location is not critical. Simply mount the intercom unit in an easy to reach location, run cables to the headphone jacks, power and a small six conductor cable to the panel control unit. The Electronic Noise Reduction feature is exclusive to FlightTech Intercoms and allows for quiet communications without the background noise common to Voice Operated Squelch controlled intercom. With ENRI, the microphones are active at all times, ENRI monitors the background noise and eliminates it allowing only the headset user's voice to pass. Power: 12V or 24V   P/N 11-00172 ....**$365.95**
With preassembled 2-place cable ....P/N 11-00822 ....**$365.95**

FLIGHTTECH ITC-401TC INTERCOM

ITC-401TC is different from the rest of the ITC-401 series in that the "Noise Reduction" control is located on the front of the intercom, rather then an internal "Set and Forget" adjustment The ITC-401TC is available in versions with cables and plugs for panel mount jacks as well as handheld radios and they include the following: ITC-401TC, Standard cable and plugs for panel jacks.................P/N 11-03201 ....**$169.95**
ITC-401TC-1, Cable and plugs for the ICOM, A22, A3, A24, & A
P/N 11-03202 ....**$169.95**
ITC-401TC-23, Cable & plug for the ICOM A23 & A5
P/N 11-03203 ....**$169.95**

FLIGHTTECH ITC-2001-ENRI 2PLACE PORTABLE STEREO INTERCOM

Ideal for the renter pilot or as a permanent intercom without the installations concerns associated with a panel mount intercom. Features: Exclusive Electronic Noise Reduction circuits. Up to 110db of Noise Reduction. Continues Audio, No missed Syllables or Words. Built-in Cellular Phone Interface, includes patch cable. Pilot/All Switch. Specifications: 9 Volt Battery or External DC Operation, Cigarette Lighter Adaptor included. Auxiliary Stereo Audio Input with Radio Mute and Intercom Audio Mute. Light weight, 10 oz. Push-to-Talk Button for Keying the Comm Radio. Pilot and CoPilot Radio PTT Jacks. Small Size: 5.5" x 1.5" x 3.2" Three Year Warranty.

11-17668

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Model	Description	Part No.	Price
Electronic Noise Reduction Intercoms			
ITC-2001-ENRI	2-place portable intercom w/ENRI	11-17668	**$232.95**
ITC-402P-ENRI	Full feature panel mount intercom designed for the pilot with a two place aircraft.	11-00926	**$219.95**
ITC-404SP-ENRI	4-place stereo intercom panel mount	11-01354	**$279.95**
ITC-2001-I	2 Place Intercom for use with (ICOM A22, A24 AND A6 Radios)	11-07010	**$234.95**
Model	**Description**	**Part No.**	**Price**
Pre-Assembled Cables			
ITC-404S-P	2-place Cable	11-01377	**$130.95**
ITC-404S-P	4-place Cable	11-01378	**$138.95**
ITC-2003	2-place Cable	11-01379	**$130.95**
ITC-2003	4-place Cable	11-01380	**$138.95**
ITC-404S-P	Interface Cable	11-01381	**$29.95**

Improved noise reduction. Greater comfort. Bluetooth® connectivity.
The most technologically advanced Bose® headset ever. **Bose® Acoustic Noise Cancelling® headset technology -** Sound is monitored outside the earcups and at the ears, unwanted noise is identified, and a correction signal is created to cancel the unwanted noise. **TriPort® acoustic headset design -** Proprietary Bose® technology uses acoustically tuned ports to optimize the low-frequency output of the system. **Adjustable boom microphone -** Provides the means of communication for pilots and passengers. **Proprietary ear cushion design** - Provides an important acoustic seal between the headset and the head. **Replaceable ear cushions -** Provide an important acoustic seal between the headset and the head. **Redesigned earcup architecture -** Provides more room for customers' ears without compromising overall headset size. **Magnesium alloy headband** - Provides strong, lightweight structural frame to support the headset and distribute the necessary clamping force. **Adjustable headband sliders** - Offer up to three inches of adjustment in headband length, using high-strength, aerospace-grade composite material. **Detachable sheepskin headband cushion** - Evenly distributes the headset weight across the user's head. **Center torsion spring -** Mechanical support for the headband joint, allowing it to be opened or closed to fit different head sizes. **Auxiliary audio input -** Input jack for external audio sources such as GPS systems and music players. **Male-to-male audio cable** - Provides the means to connect an external audio source to the headset. **Independent, receded L/R volume controls with midrange detent and visual volume level indicator** - Adjust the headset audio volume level for left and right channels. **Power LED and battery-life indicators** - Indicates when the noise reduction is turned on. Indicates the remaining hours of battery life (green: healthy batteries, yellow: 2-8 hours, red: less than 2 hours). **FAA/ JAA TSO-certified** - Meets or exceeds requirements for headset performance. **Limited 5-year transferable warranty** - Limited warranty coverage for parts, labor and second-day return shipping expenses of non-abusive malfunction. Made in the U.S.A.

Bose® A20® Aviation Headset™ with Bluetooth® Connectivity		
Description	**Part No.**	**Price**
Battery Powered. Electret microphone. Straight Cord, twin plug	11-08724	$1,095.95
Aircraft powered. Electret microphone. Straight Cord, 6 pin connector	11-08725	$1,095.95
Battery Powered. Electret microphone. Straight Cord, U-174 plug	11-08726	$1,095.95
Battery Powered U174 Helicopter Plug - coiled cord	11-13725	$1.95
Aircraft Powered 6 Pin Lemo, Robinson Plug	11-13771	$1,095.95
Aircraft Powered 6 in Lemo Plug, Coiled Cord	11-13776	$1,095.95
5 Pin LXR Flex Power	11-14326	$1,095.95
Bose® A20® Aviation Headset™ Without Bluetooth® Connectivity		
Battery Powered. Electret microphone. Twin Plug, Straight Cord	11-08728	$995.95
Aircraft powered. Electret microphone. Straight Cord, 6 pin connector	11-08729	$995.95
Battery Powered. 5-ohm dynamic microphone. Straight Cord, U-174 plug	11-08731	$995.95
Battery Powered, Electret Mic, Coiled Cord	11-13772	$995.95
Aircraft Powered, 6 Pin Lemo Robinson Plug	11-13771	$1,095.95
5 Pin LXR Flex Power	11-14330	$995.95
Bose® A20® Aviation Headset™ - No cable		
Headset Assembly	11-08732	$800.00
Bose® A20® Aviation Headset™ Cable Assemblies with Bluetooth® Connectivity		
Battery Powered. Electret microphone. Straight Cord, twin plug	11-08733	$295.95
Aircraft powered. Electret microphone. Straight Cord, 6 pin connector	11-08734	$295.95
Battery Powered. Electret microphone. Straight Cord, U-174 plug	11-08736	$295.95
Bose® A20® Aviation Headset™ Cable Assemblies without Bluetooth® Connectivity		
Aircraft powered. Electret microphone. Straight Cord, 6 pin connector	11-08738	$195.95
Battery Powered. 5-ohm dynamic microphone. Straight Cord, U-174 plug	11-08739	$195.95
Battery Powered. 150-ohm dynamic microphone. Straight Cord, U-174 plug	11-08754	$195.95
Lemo 6 Pin To Helicopter U174 Plug Adapter	11-10057	$109.95
Dual Ga Plugs Straight Cord Electret Mic - Without Bluetooth	11-13778	$195.95
U174 Heli Plug Straight Cord Electret Mic - Without Bluetooth	11-13779	$195.95
8 Pin Fischer Plug Straight Cord Dynamic Mic - Without Bluetooth	11-13780	$295.95
8 Pin Fischer Plug Coiled Cord Electret Mic - With Bluetooth	11-13782	$395.95
5 Pin Xlr Airbus Plug Straight Cable Electret Mic - With Bluetooth	11-13783	$295.95
6 Pin Robinson Plug Electret Mic - With Bluetooth	11-13785	$295.95
Dual Ga Plugs Coiled Cord Electret Mic - Without Bluetooth	11-13786	$195.95
U174 Heli Plug Coiled Cord Electret Mic - Without Bluetooth	11-13787	$195.95
U174 Heli Plug Coiled Cord Dynamic Mic - Without Bluetooth	11-13789	$195.95
6 Pin Lemo Plug Coiled Cord Electret Mic - With Bluetooth	11-13790	$295.95

Bose® A20® Aviation Headset™ Accessories		
Description	**Part No.**	**Price**
6-pin to Twin Plug Adapter	11-08741	$59.95
Aircraft power Installation Kit	11-01846	$58.95
Ear Cushion Kit	11-08743	$28.50
Headband Cushion Kit	11-08744	$17.90
Boom Microphone Windscreen (Electret)	11-04846	$6.75
Boom Microphone Windscreen (Dynamic)	11-08747	$11.80
Service Accessory Kit (ear cushions, headband cushion, mic windscreen)	11-08748	$38.85
Carry Case	11-08749	$24.95
Auxiliary Input Cable Adapter	11-08751	$13.75
Clothing Clip	11-08752	$6.50
Earcup Down-cable Cover	11-08753	$9.95
Bose X Service Accessory Kit	11-13760	$49.95

BOSE PROFLIGHT AVIATION HEADSET

Lightweight, in-ear active noise cancellation for long-term comfort over extended flights, with many new features designed specifically for airline and corporate aircraft flight decks.

The next Bose headset to earn its stripes.
Pilots of moderately noisy aircraft, such as pressurized jets, will now experience the Bose clarity they expect, along with reliable, individualized performance and a new level of comfort for extended flights. The ProFlight is specifically designed with airline and professional pilots in mind.

30 years of Bose research and innovation.
The ProFlight features three levels of active noise cancellation and a unique feature called tap control for talk-through communication in a compact, banded, in-ear design. It's decades of Bose research engineered into a form factor unlike any other aviation headset.

Bose® ProFlight Headsets		
Description	**Part No.**	**Price**
Bose ProFlight Bluetooth Headset Only	11-16372	$699.95
Bose ProFlight Bluetooth Headset Straight Cord DI GA Plug	11-16373	$995.95
Bose ProFlight Bluetooth Headset Straight Cord 6 Pin	11-16374	$995.95
Bose ProFlight Bluetooth Headset Straight Cord 5 Pin Xlr	11-16375	$995.95
Bose ProFlight Bluetooth Cable Assy DI GA Plug	11-16376	$295.95
Bose ProFlight Bluetooth Cable Assy Straight Cord 6 Pin	11-16377	$295.95
Bose ProFlight Bluetooth Cable Assy Straight Cord 5 Pin Xlr	11-16378	$295.95

Bose® ProFlight Headset Accessories		
Description	**Part No.**	**Price**
Bose ProFlight Stay Hear Tip Kit Small 2 Pair	11-16379	$9.95
Bose ProFlight Stay Hear Tip Kit Medium 2 Pair	11-16380	$9.95
Bose ProFlight Stay Hear Tip Kit Large 2 Pair	11-16381	$9.95
Bose ProFlight Side Pad Pack	11-16382	$12.50
Bose ProFlight Windscreen	11-16383	$9.95
Bose ProFlight Carry Case	11-16384	$31.50
Bose ProFlight Headband Cushion	11-16385	$16.50
Bose ProFlight Termination Cap	11-16386	$6.65
Bose ProFlight Accessory Pack	11-16387	$39.95
Bose Proflight Lanyard Control Module	11-16388	$6.65

LIGHTSPEED ANR HEADSETS

EVERY LIGHTSPEED HEADSET COMES WITH A LONG LIST OF INNOVATIONS:

Finely tuned ANR — Streaming Quiet™ ANR has firmly established Lightspeed as the leader in noise reduction technology, but every Lightspeed headset incorporates finely tuned ANR for exceptional quieting.

Full Bluetooth® integration — Every Lightspeed headset delivers excellent wireless call clarity, music fidelity, and access to critical audio alerts from aviation apps on mobile devices.

Engineered for comfort — All Lightspeed headsets feature comfort-designed headbands and plush ear seals with larger openings, 20% more surface area, and up to 50% more space inside the ear cup than our closest competitor. The result is superior distribution of weight and side pressure for maximum comfort.

FlightLink compatibility — Lightspeed's free, proprietary app turns your iPad® or iPhone® into an in-cockpit recorder, seamlessly capturing incoming and outgoing communications for instant playback or later retrieval.

ComPriority™ — Never miss important radio communications with patented ComPriority, which lowers the volume of any auxiliary device automatically during radio or intercom transmissions.

Auto Shutoff™ — Saves battery life by automatically shutting down the headset power when not in use.

5-Year Lightspeed warranty.

LIGHTSPEED ZULU 3

The most comfortable, most durable headset Lightspeed has ever made.

More comfortable

Performance ear seals are tapered to provide a more natural fit, for greater comfort and stability. Plush ear seals provide 20% more surface area than competitors, for a better seal around glasses frames and a more comfortable distribution of side pressure. Larger cup cavity provides 50% more space for your ears, allowing the entire ear to fit comfortably inside

More durable

Rugged cables built around a Kevlar core deliver more strength and flexibility. Nearly 100% of the headset is made from stainless steel and magnesium. Magnesium ear cups are both strong and light.

More clarity

The Dual Aperture Disc™ microphone provides greater noise cancellation. Exclusive, user-adjustable mic gain helps balance loud and soft voices in a multi-headset environment. Front Row Center™ (FRC), stereo cross-feed technology, and redesigned speakers deliver crisp, rich audio and unparalleled music delity .

Bluetooth Dual GA Plugs ....P/N 11-14868 ....**$850.00**
Bluetooth Lemo Plugs ....P/N 11-14870 ....**$850.00**
Bluetooth U-174 Heli Plugs ....P/N 11-14871 ....**$850.00**

AIRCRAFT SPRUCE - LIGHTSPEED AVIATION TRADE UP PROGRAM
SEE OUR WEBSITE FOR DETAILS

LIGHTSPEED TANGO® WIRELESS ANR HEADSET

The first premium wireless aviation headset, Tango blends outstanding noise cancelation, renowned Lightspeed comfort, and cable-free convenience.

Lightspeed Link™ — Not Bluetooth or WiFi, Lightspeed Link incorporates existing technologies chosen for both signal reliability and audio quality for the aviation environment.

21st century power — Tango is the first aviation headset powered by rechargeable lithium ion batteries, which can be charged using the included dual-port wall charger, charged while the headset is in use or easily replaced on the go.

Built-in redundancy — A backup cable is instantly available for uninterrupted communication, in the event of battery depletion.

Included: Custom molded carrying case, cellphone/music patch cord, cord clip, two lithium ion batteries (only one included with LEMO panel power headsets), two charging cables, dual-port wall charger.

Weight: 18 oz.
Tango Wireless Headset
Dual GA Plugs, Battery Power, Americas/AU......P/N 11-14066...**$800.00**
Dual GA Plugs, Batty Power, Europe/S Africa.....P/N 11-14069...**$800.00**
LEMO, Panel Power, Americas/AU...................P/N 11-14067...**$800.00**
LEMO, Panel Power, Europe/S Africa ....P/N 11-14070...**$800.00**
U-174, Battery Power, Americas/AU.................P/N 11-14068...**$800.00**
U-174, Battery Power, Europe/S Africa.............P/N 11-14071...**$800.00**
Tango Headset withput Panel Interface............P/N 11-14717...**$550.00**
Tango Accessories
Tango lithium ion battery..................................P/N 11-14075.....**$34.95**
Tango single battery charger ....P/N 11-14076 ....**$34.95**
Tango Panel Interface GA Dual Plug................P/N 11-14710...**$325.00**
Tango Panel Interface Panel Power ....P/N 11-14711...**$325.00**
Tango Panel Iterface U-174 Plug......................P/N 11-14712...**$325.00**
Tango Universal Outlet Adapter........................P/N 11-14713.....**$10.00**
Tango Universal Outler Adapter and Charger ..P/N 11-14716.....**$45.00**

LIGHTSPEED SIERRA®

Step up to the world of premium ANR headsets with the value-priced Sierra. Picked as the "hands-down favorite" in Aviation Consumer's real-world test of budget ANR headsets, Sierra delivers the comfort, quiet, and advanced features you've come to expect from Lightspeed. A reversible headband allows microphone placement on the right or left side.

Included: Carrying case, music patch cord, cord clip, two AA batteries.

Weight: 16 oz.
Sierra Headset......P/N 11-08588...**$650.00**

AV

LIGHTSPEED HEADSET ACCESSORIES

Description	Part No.	Price
Zulu Head Pad	11-08723	$14.95
Sierra / Tango Replacement Head Pad	11-10662	$13.50
QFR/Skycom Zippered Comfort Head Pad	11-07555	$14.50
Zulu / Sierra / Tango Ear Seals	11-08043	$29.95
3G Series 1" Soft Leather Seals	11-01987	$26.60
XL Series 1.5" Soft Seals	11-01988	$26.50
QFR/Skycom Series 0.75" Comfort Seals	11-01284	$26.65
QFR/Skycom Replacement Stock Seals	11-01995	$26.50
Zulu, Sierra, Tango, 3G, QFRc, XLC Wind Screen	11-08575	$3.35
Mach 1 Wind Screen, sold each	11-00358	$3.75
Zulu Shirt Clip	11-10661	$4.95
Cell Patch Cord	11-01990	$5.75

AIRCRAFT SPRUCE
SKYCOM & SKYPRO HEADSETS

SKYCOM H-40A AVIATION HEADSET - Features Foam Ear Seals and Air-Foam Headpad for exceptional comfort and fit. The Skycom H-40A Headset provides 24 dB Passive Attenuation. It Features a high quality Noise Cancelling Electret Microphone specially designed to match the frequency of the human voice to provide sound clarity, best intelligibility, and background noise reduction. The Unique ball-joint articulating boom rotates laterally for precise lip-angle alignment, and swivels for placement on either side of the mouth. Independent built-in volume control permits pilot and co-pilot to separate sound levels. The Cables are shielded and the speakers are wired in parallel for greatest reliability. Fully adjustable headband fits all sizes. Navy Blue Earcups are fabricated from high impact ABS plastic..........................P/N 11-09099 .... **$89.95**

SKYCOM H-80A AVIATION HEADSET - The Skycom H-80A is the top-of-the-line Passive headset manufactured for Aircraft Spruce. It incorporates all of the quality features of the economy SkyCom H-40A above, plus many more. The Skycom H-80A Headset features Leatherette Ear Seals and Super Cushion Headpad for exceptional comfort and fit. The Skycom H-80A Headset provides 24 dB Passive Attenuation. It Features a high quality Noise Cancelling Electret Microphone. It has Dual volume controls and a Mono/Stereo Selector Switch. All this in a premium, lightweight headset with attractive dark navy blue ear cups................ P/N 11-09098......... **$129.95**

SKYCOM ANR HEADSET - Available exclusively from Aircraft Spruce, The Skycom ANR Headset features Soft Leatherette/Memory Foam Ear Seals for exceptional comfort and fit. Ultra-soft Pillow-Top Headpad remains comfortable during long flights. The Skycom ANR provides 24 dB Passive Attenuation, and 16-19 dB Active Attenuation. It Features a high quality Noise Cancelling Electret Microphone for crisp communications, full flex boom. The required battery for this headset is 9 volt. NOW UPDATED with Auto Shut-Off circuitry and Cell Phone/Music Input. Includes carrying case. This Skycom headset delivers excellent ANR performance at an economical price! ....P/N 11-02214 ..... **$239.00**

REPLACEMENT EAR SEALS
These seals fit SKYCOM H-40A, SKYCOM ANR, and SKYPRO H-80A headsets.
Replacement Gel Ear Seals.........................P/N 11-04680 ..**$24.95**/pr.
Replacement Foam Ear Seals. ....P/N 11-04681 ..**$11.95**/pr.

HEADSET/INTERCOM PACKAGES

AIRCRAFT SPRUCE SKYCOM PACKAGE #1
• 2 Skycom H-40A Headsets • 1 Skycom 400 Intercom (portable)
• Headset Bag • Push-To-Talk Switch.........P/N 11-11885 ..... **$533.00**

SIGTRONICS S-AR HEADSET
The S-AR headset protects your hearing switched on or off. With S-AR switched on you hear a major reduction in low frequency noise. Radio transmissions that are weak and garbled on passive headsets will sound strong and clear with an S-AR headset. Features up to 19 db of active noise reduction, air foam head pad cushion that virtually eliminates "Hot Spots", ultra-deep gel ear seals for comfort and ease of use and custom flex boom for perfect mic placement. Sigtronics exclusive "Stop-Break" high flex cord and RFI and EMI free electronics make the S-AR ideal for pilots who want a high performance mono/stereo headset. A battery power module (9V) with belt clip and custom headset bag are included with all S-AR headsets...P/N 11-00859 .... **$494.00**

SIGTRONICS HEADSET TESTER HT-1
Sigtronics Headset Tester will accommodate two headsets and include a built-in Push-To-Test switch. With this unit you may test one headset alone or two headsets together. Simply plug one or two headsets into the tester. Then place the headset one your head and press the Push-To Test switch.
P/N 11-17126 ....**$79.75**

SIGTRONICS HIGH PERFORMANCE HEADSETS
All Sigtronics headsets and intercoms are specifically designed for high-noise environments and are RFI and EMI immune, giving you clear, interference-free transmission even in fabric or composite aircraft or in use with handheld radios.

SERIES 8 HEADSETS
"8 Series" superlight headsets are full-size quality headsets available at just 11.9 oz., delivering comfort, and performance. A new lightweight, custom flex boom stays where you put it, even in the roughest conditions. **S-58** features new, durable, non-glare "powder-coated" black hardware and Sigtronics "sky-blue" earcups. The new ergonomic headpad and custom fit gel seals deliver comfort and eliminate "hot-spots". A new microphone configuration cancels unwanted noise before it can get into the system. Sigtronics' 5-year warranty, custom padded bag, easy-grab volume controls, ultra foam windscreen & exclusive clothing clip are included. Wt. 11.9 oz. Flex boom.
Mono..P/N 11-19105 ....**$251.00**
Stereo...P/N 11-02803 ....**$283.00**
Helicopter ....P/N 11-02813 ....**$267.00**
S-68 headsets include all of the S-58 features plus high-performance black earcups and 14K Gold Plated hardware.
P/N 11-19125 ....**$267.00**
Stereo...P/N 11-02805 ....**$299.00**
Helicopter ....P/N 11-02815 ....**$283.00**

S-45 series headsets are the same as the S-40 headset, except they have airflow headpads and gel earseals for maximum comfort. ....P/N 11-02797 ....**$207.00**
Helicopter ....P/N 11-02810 ....**$228.00**
Stereo...............................P/N 11-02811 ....**$243.00**

S-20 incorporates the M-80 microphone, designed specifically for use in high noise environments with its excellent noise canceling properties. The microphone gain is set to operate over a wider range of aircraft radios, even handheld - the ultimate test.
S-20 Headset .... P/N 11-02799 ....**$153.00**

SIGTRONICS S-8 HEADSET
Eliminate scratching the top of your canopy by using the Sigtronics S-8 headset. features a behind the head headband with quick adjust hook-n-loop strap that fits the shape of your head, a flex boom and gel ear seals. The S-8 has a passive noise reduction rating of 24 dB. 5 Year warranty................P/N 11-00645 ....**$275.00**

SIGTRONICS HEADSET ACCESSORIES
Electret Mic Muff ....P/N 900084 ....**$1.95**
Foam Ear Seals ....P/N 100369 ....**$7.95**
Oval Gel Ear Seeals ....P/N 11-15888 ....**$21.95**
Shirt Clip...........................P/N 11-04368 ....**$3.25**
S-AR Ear Seals Gel / Foam Filled ....P/N 11-12533 ....**$36.90**
Windscreen MIC 8 Series ....P/N 11-12534 ....**$2.95**

SIGTRONICS HEADSET/INTERCOM COMBOS

SIGTRONICS 2-PLACE COMBOS - Includes 2 Sigtronics S-58 headsets, 1 SPO-22 (2)place intercom, push-to-talk switch, & comfort covers for headsets.
Combo #1A w/S-58 Headsets......................P/N 11-00037 .....**$679.95**

SIGTRONICS 4-PLACE COMBOS - Includes two Sigtronics S-58 headsets, SPO-42 (4)place intercom, push-to-talk switch, & comfort covers for headsets.
Combo #2A w/S-58 Headsets......................P/N 11-00038 .....**$706.85**

SIGTRONICS PANEL MOUNT COMBOS - Same as Combo #2 except substitute SPA-400 panel mount intercom for SPO-42 portable intercom.
Combo #3A w/S-58 Headsets......................P/N 11-00039 .....**$712.85**

SIGTRONICS SPORT 200 PANEL MOUNT INTERCOM COMBOS
Combo #5 includes 2 S-20 Headsets, Sport 200 Panel Mount Intercoms and Headset/Intercom bag........P/N 11-04653 .....**$337.00**

CALL FOR SPECIAL PRICES!

AV

DAVID CLARK HEADSETS

DAVID CLARK DC ONE-X HEADSET

The DC ONE-X headset features the perfect combination of comfort, technology and durability. From the moment you put it on, you'll notice the difference. The feel of plush, leatherette ear seals that enclose your ears in comfort. The soft, Outlast® fabric, vented head pad that actually absorbs heat buildup to keep you cool during long flights. The advanced, Hybrid Electronic Noise Cancellation technology that delivers extraordinary ANR performance. The rugged, yet lightweight alloy suspension system with adjustable headband and swivel hinge stirrups to ensure a personalized fit.

OneX Dual Plug Battery Powered...............P/N 11-14296 ....**$895.00**
OneX 6 Pin Plug Aircraft Powered..............P/N 11-14297 ....**$895.00**
OneXH for Helicopters ....P/N 11-14901 ....**$875.00**
Leatherette Ear Seals.................................P/N 11-15265 ....**$37.90**

DAVID CLARK H10-13.4 HEADSET

Provides David Clark quality without the hot spots, clamping, or weight discomfort. Features a certified noise reduction rating of 23 dB and weighs only 13.4 oz. Drastically reduced headband force, new soft air-flow pillow headpad, flo-fit gel ear seals, M-7A noise cancelling electret mic, and low profile volume controls with detect settings. 5 yr warranty.
P/N H10-13.4...**$336.42**
P/N H10-13.4S (stereo).....................................**$342.47**
P/N H10-13H (Helicopter, 5ft. coiled cord) **$356.42**

DAVID CLARK H10-13Y YOUTH HEADSET

Same features as the popular H10-13.4 Headset and has been especially designed to comfortably fit a child. Extremely lightweight and has a new headband assembly which allows you to adjust the headset to your child's head for a perfect fit every time. The new Super Soft Foam-filled Headpad and Flo-Fit Gel Ear Seals, also add to the headset's long-term wearing comfort. When your child grows, a conversion kit is available, to convert your H10-13Y to a David Clark.
Model H10-13.4....................P/N H10-13Y **$336.42**
Conversion kit.......................P/N 11-11950 ....**$29.75**

DAVID CLARK DC PRO-X HEADSET

Superior technology. Super comfort. Superior performance. All in a sleek, new, supra-aural design. The new DC PRO-X from David Clark Company offers best-in-class Hybrid electronic noise cancellation and Bluetooth® wireless technology. Digital Signal Processing (DSP) provides high fidelity audio for superior communications and music listening. Dual voice coil ear phone drivers ensure fail-safe operation. And push, leatherette ear seals and head pad to cradle you in comfort. All supported by a rugged, yet feather-light magnesium alloy suspension.

PRO (Passive) Dual GA Plugs......... P/N 11-11599...................**$365.00**
PRO-X (Active) Dual GA Plugs .... P/N 11-11603...................**$695.00**
PRO A Passive Airbus ....P/N 11-12539...................**$365.00**
PRO XA BNC Airbis ....P/N 11-12530...................**$294.95**
Inline Belt Clip ....P/N 11-13583.......................**$5.95**

DAVID CLARK DC PRO-X2 HEADSETS

The DC PRO-X2 Series is a next generation version of the popular DC PRO-X Series headset line introduced by David Clark Company in 2012. The DC PRO-X2 Series is ideal for both general aviation (private) and commercial aviation (airline, corporate and transport) pilots that prefer the superior comfort, dramatically reduced clamping pressure and lightweight design (under 8 ounces) of a 'rest-on-ear' style headset.
DC PRO-X2 Series headsets also retain all of the features of the original DC PRO-X Series.

Model	Description	Part No.	Price
43105G-01	ENG Headset-Mic., Dual Plug, BT	11-17247	$745.00
43105G-02	ENG Headset-Mic., 6-Pin Panel Mount, BT	11-17248	$785.00
43105G-04	ENG Headset-Mic., 5-PinXLR, BT	11-17249	$745.00
43105G-07	ENG Headset-Mic., 5-PinXLR	11-17250	$745.00
43105G-01	ENG Headset-Mic., Dual Plug	11-17251	$745.00

DAVID CLARK H10-56HXL HELICOPTER HEADSETS

New Comfort gel, undercut ear seals. Battery Power Module - One 9 volt battery for up to 25 hours of operation. Pilot Selectable Automatic-Shut Off Feature. Five foot (extended) coil cord terminating with a 10 pin quick release connector. Coiled cord assembly connects Battery Power Module to panel intercom/radio. Same headset can be used with optional panel mount. (H10-56HXP) Super soft foam filled pillow headpad. NRR - 27 dB passive noise reduction rating plus 17 dB to 22 dB when ENC is turned on. Weight (without cord assembly): 22 oz.

Description	Part No.	Price
MODEL H10-56HXL	11-03828	**$813.51**
MODEL H10-56HXP	11-03829	**$740.28**
MODEL H10-56 - Hinged wire boom with the M-101 amplified Dynamic microphone. Conforms to MIL-M-27291A. Coil Cord (5' extended) with U-174/U Plug. FAA TSO Approved C57 Cat. B and C58a. Exceeds RTCA/DO-214 Standards. Weight (without cord assembly): 20 oz.	11-03827	**$368.74**

DAVID CLARK H10-76 LOW IMPEDANCE HEADSET

Undercut Comfort-Gel Ear Seal for Improved Comfort. Low Impedance. Most popular noise attenuating headset ever produced for use with military radios. Standard headset of the U.S. Air Force, NATO and most airborne command centers. AWAC's, under command of NATO and the United States, use the H10-76 both in the cockpit and the communication operations. Headset of choice of M.A.T.S. pilots. Also used in ground support operations. Coiled cord terminates into a U-174/U plug. ....P/N 11-02226 ....**$283.95**

DAVID CLARK 10S/DC HEADSET

The only consumer stereo headset having an independently certified Noise Reduction Rating (NRR). Stunning stereo output. Newest Undercut, Comfort Gel Ear Seals Super-Soft, Double-Foam Headpad. Dual volume controls. Lightweight, 6 ft. extended coil cord. Terminated with commonly-used 3.5mm stereo plug. Both 1/4-inch plug adapters (mono & stereo) included. Earphone elements are hi-fidelity, dynamic with a range of 10-20,000 Hz. NRR 23dB..................P/N 11-02238 ....**$220.64**

DAVID CLARK H10-13X ANR HEADSETS

The H10-13X aviation headset has the most advanced Electronic Noise Canceling (ENC) technology assuring an amazingly quiet flight. Available in the most popular and comfortable headset style. H10-13X Features: Quiet Performance — You'll hear and feel the difference immediately. When ENC is turned ON, noise cancellation actually improves by an additional 12-17 dB. That's better total protection than any other headset available today. 5 year warranty.

Outstanding Comfort - Lightweight at just 17oz. w/advanced comfort features. Super soft gel ear seals with new exclusive Velvet Fleece surface, combined with reduced headband pressure and a soft foam-filled pillow headpad create a comfort level never before experienced.

Superior Communication Intelligibility - The ENC system and the exclusive M-7A noise cancellation electret mic provide unsurpassed performance and clear, crisp transmission and reception. Stereo compatible for use with stereo intercom and cabin entertainment systems.

Model	Description	Part No.	Price
H10-13X	Fixed wing headset (ENC) with straight, 5ft. cord to Battery Power Module to straight 5ft. cord with A/C Panel-Intercom Plugs (hardwired)	11-03819	$698.89
H10-13XL	Fixed wing Headset (ENC) with straight, 5ft. cord, Snap Lock-Quick Release Connector/Battery Power Module with mating Headset and Cord Assy Connectors/Coil Cord Assembly with mating battery connector and Panel-Intercom Plugs	11-03820	$794.68
H10-13XP	Fixed wing Headset (ENC) with straight, 5ft. cord, Snap lock-Quick Release Connector and Panel Mount Module with mating Headset Connector, on/off Toggle Switch	11-03821	$756.09
H10-13HXL	Helicopter Headset (ENC) with coiled, 5ft. (extended) cord, Snap Lock-Quick Release Connector/Battery Power Module with mating Headset and Cord Assy Connectors/Coil Cord Assembly with mating battery connector and Panel-Intercom Plug	11-03817	$807.00
H10-13HXP	Helicopter Headset (ENC) with coiled, 5ft. (extended) cord, Snap Lock-Quick Release Connector and Panel Mount Module with mating Headset Connector, on/off Toggle Switch.	11-03818	$762.36

DAVID CLARK H10-13X CIGARETTE POWER CABLE

The David Clark H10-13XP Cigarette Power for the H10-13XP Headset. ....P/N 11-04790 ....**$42.70**

DAVID CLARK XL XP TO BOSE PANEL ADAPTER

Allows David Clark ENC headsets (XL or XP models) to be used, battery free, in an aircraft using a six connector female socket (Bose Panel socket).
P/N 11-08811 ....**$162.85**

DAVID CLARK PRO S SINGLE SIDE HEADSET

The DC PRO-S passive headset incorporates the same outstanding comfort features as the DC PRO-X design (excluding Hybrid Electronic Noise Cancellation and Bluetooth wireless technology). Note: As with any passive headset featuring a supra-aural design, the DC PRO-S is not recommended for fixed wing, piston engine aircraft. This DC PRO-S was designed for use in the commercial/transport jet aircraft market. Dual GA Plugs.........................P/N 11-13091 ....**$310.00**

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DAVID CLARK HEADSETS

DAVID CLARK HEADSET H10-66LX & H10-76XL

PN 11-05427   PN 11-05428

PN 11-05429

Pilots have trusted the green domes of David Clark Company headsets for over 25 years. Their high-performance products are now equipped with several new features to enhance pilot comfort: super-soft, double-foam headpads, comfort-gel, 'undercut' ear seals, and a smaller, lighter battery pack with auto shutoff for ENC models. Find out for yourself why quality conscious pilots will accept nothing less than the #1 Headset in Aviation.

Description	Part No.	Price
H10-66XL DUAL IMPEDANCE ENC HEADSET Designed for use with both high and low impedance systems. Select switch on dome matches headset to system impedance. Ideal for fleet operations. Certified Noise Reduction Rating (NRR): 27: dB. Built in ENC technology and enhanced comfort features.	11-05427	$857.46
H10-76XL PORTABLE LOW IMPEDANCE ENC HEADSET Feature ENC technology and designed for use with low impedance systems. Coil cord with single plug connects the battery-powered module to aircraft radio or intercom. Additional 17-22 dB noise attenuation with ENC activated.	11-05428	$883.28
H10-76XP PANEL-MOUNT LOW IMPEDANCE ENC HEADSET Same as H10-76XL but with permanent panel-mount module for utilizing the aircraft's power source.	11-05429	$789.57

H10-20 HEADSET

8 new headset design advances make the David Clark H10-20 a must see. The completely flexible boom assembly can be adjusted for perfect microphone placement. The M7A microphone is the most advance noise-cancelling amplified electret mike available. Features a redesigned air-flow headband with liquid-filled ear seals for optimum comfort. Comes with volume control and a 5yr warranty. Made in the U.S.
Straight Cord ....P/N H10-20.............$332.94
Coiled Cord ....P/N H10-21.............$361.30
Helicopter ....P/N H10-26.............$350.14

DAVID CLARK H10-30 HEADSET

This dual headset, used by the Air Force, features foam filled ear cushions with an M-1/DC amplified dynamic noise cancelling mike. With 6 feet straight cord, PJ-055B headphone plug and PJ-068 mike. plug....................................P/N H10-30 .... $279.00

DAVID CLARK H10-36 HEADSET

The H10-36 headset features the M-1/DC dynamic mic and coil cord which extends to 5 ft., with U-174/U plug for helicopter installations.
P/N H10-36.............$298.99

DAVID CLARK H10-60 HEADSET

Features unique foam/air-flow headpad, low-pressure headband, Flo Fit Gel ear seals, and dual volume controls. Also features the M-7A advanced noise cancelling amplified electret mic. Customize your H10-60 with 3-position headset pressure adjustment, boom guide lock, headband size adjustment, and cord selection.
P/N H10-60.............$385.25

DAVID CLARK H10-66 HEADSET

A unique dual impedance headset for use in civilian and military style aircraft. The Model H10-66 features include new comfort gel, undercut ear seals, hinged wire boom with the M-101 amplified Dynamic microphone, and a Noise Reduction Rating (NRR) of 27 dB. ....P/N H10-66.............$408.27

DAVID CLARK H10-76 HEADSET

Undercut Comfort-Gel Ear Seal for Improved Comfort. Low Impedance. Most popular noise attenuating headset ever produced for use with military radios. Standard headset of the U.S. Air Force, NATO and most airborne command centers.Coiled cord terminates into a U-174/U plug. ....P/N 11-02226 ....$283.95

DAVID CLARK H20-10 HEADSET

H20-10 headset features the Custom Comfort System which is a whole new concept in headset in comfort. Includes a headband suspension assembly that can be adjusted to a perfect comfort level, a pillow soft "floating" headpad for maximum cushioning with no hot spots, and a larger contoured Flo-Fit gel ear seals which mold softly to your head. ....P/N H20-10.............$361.30

DAVID CLARK 6AA BATTERY PACK

Accepts 6 AA batteries. The protective cover keeps battery terminals from accidental contact with conducting surfaces while stored. Having a Spare Battery Cartridge, loaded and ready, will minimize time without electronic noise cancellation when batteries drain.
P/N 11-02019 ....$16.50

9V BATTERY PACK FOR ENR HEADSETS

This new XL-9V 9V battery pack is easier to operate, wear and store. It is 50% smaller and 50% lighter than previous battery packs. It runs off a single 9V alkaline battery to provide power to the headset ENC system. The XL-9V features an Auto Shut Off function to save the battery if the power switch is left on when the headset is not in use................P/N 11-01783 ....$102.85

DAVID CLARK UNDERCUT COMFORT-GEL EAR SEALS

Ear Seals have redesigned to be softer, more supple and form fitting, with a unique "undercut" shape that provides more room for your ears. This exclusive design makes for a larger, yet lighter ear seal. This new ear seal is now standard on the entire line of DC aviation headsets. New Ear Seal Features: • 26% lighter • 60% more surface area in contact with your head provides greater comfort by dissipation of necessary headband pressure • 30% more interior volume creates more room for your ear..P/N 11-01782 ....$23.50

DAVID CLARK GROUND SUPPORT HEADSETS

Ground Support Headsets are designed to facilitate communication when background noise or distance makes it extremely difficult to communicate. During ground-support operations, communication is critical to ensure the safety of everyone in the vicinity as well as the protection of the aircraft from accidental damage.

MODEL H7010 - Noise Attenuating Headset * M-101 Noise-Cancelling Microphone * 30-inch straight cord with U174/U plug * Noise-shielded microphone (muff) with On/Off switch * Soft headpad and ear seals guarantee exceptional comfort * Snap-fastened nylon straps secure microphone muff to mouth * Corrosion-resistant, chrome plated headpad/stirrup assembly * Extremely durable and reliable * NRR 26dB
P/N 11-07116 ....$309.00

DAVID CLARK K10 HELMET KIT

Series K10 Helmet Kit provides the ability to convert David Clark Company Over-the-Head style Headsets into a Helmet/Headset Assembly. This unique combination provides both impact and hearing protection, in addition to clear, crisp communication in high-noise environments. The K10 Helmet accommodates universal 3-Snap Visor/Face Shield Assemblies that are commercially available. Requires assembly.The Series K10 Helmet Kit cannot be used with H20-** Series headsets. Helmet Kit........P/N K10..................$400.36

DAVID CLARK M-7/DC MICROPHONE RETROFIT KIT

This Retrofit Kit allows you to upgrade your older model H10- Series aviation headset (H10-40, H10-30 etc..) microphones with M-7/DC Amplified Electret Microphone. Upgrade is simple and easy because no changes to the boom assembly are required.
P/N 11-16833 ....$78.75

DAVID CLARK HEADSET BAG

This ballistic Nylon Carry Bag is black on black, with the DC logo subtly embroidered in the lower right corner. This bag has been carefully chosen for its simplicity, quality and workmanship and is a fitting complement to any David Clark Headset. ....P/N 11-00642 ....$19.90

Prices Subject to Change Without Notice

AVCOMM HEADSETS

A new, intercom-powered hands-free LED flashlight that's built into the headset microphone. Never require batteries. Provides power to the LED's without a battery pack! Has a backup power system that provides 30 minutes of power in case of power failure. Integrated version powered by the aircraft intercom system (No battery pack required)

AVCOMM AC-747FL HEADSET - Comes with GA and Helicopter cords Key Features: Ships Power FLITELite - no battery pack or wires required! Exclusive PNR technology and "plug and fly" design. Full flex boom Ultra-lite micro samarium cobalt speakers. Each ear cup features an independent volume control. M-60 microphone with active filtering chip Deluxe Comfort Package included Full five-year factory warranty Converts easily by plugging in either the general aviation straight cord or the helicopter coil cord (both included with the headset). FACTORY INSTALLED • Stainless steel headband with easy thumbnut adjustment • Deluxe comfort headpad • Acoustic foam earseals ALSO INCLUDED • 100% cotton ear covers • Acoustic mic muff

PN 11-02262 ....**$292.53**

AVCOMM AC-900 FL HEADSET - Exclusive patented PNR™ (passive noise reduction) technology. Key Features: Patented PNR™ audio technology and full spectrum stereo response Ultra-lite Neodymium speakers M65 microphone with "active filtering" chip. Full flex boom Built-in push-to-talk. Mono-stereo switch built into the cord Each ear cup features an independent volume control Deluxe gel ear seals Full five-year warranty. Gold plated mic and headphone plugs AC-900 with Bluetooth

P/N 11-10870 ....**$368.98**

AVCOMM AC-200 PNR™ HEADSET - Simple and affordable PNR™ performance. Incredible voice clarity. Ultra-lite micro samarium cobalt speakers. Acoustic foam ear seals and acoustic mic muff. M-60 microphone with active filtering chip. Lighter weight; weighs only 13.4 oz. Full five-year factory warranty.
AC-200 PNR™ Standard

P/N 11-02259 ....**$119.00**

AC-200 PNR™ with Bluetooth

P/N 11-10869 ....**$279.95**

AVCOMM AC-900HD PNR DELUXE HEADSET

The AC900HD PNR (Silver) offers enhancements which make the AC900HD PNR the premium choice in the Avcomm headset lineup. Pilots and passengers everywhere are praising the features and benefits, claiming its comfort and performance surpass anything they've used before. The powerful, ultra-lite Neodymium speakers produce a richer, smoother frequency response for both voice and music. The powerful magnetic core and diaphragm provide high sensitivity and optimized response.

P/N 11-16079 ....**$127.75**

AVCOMM AC1000 ANR HEADSET

AC1000 Matte Black EditionActive Noise Reduction rated at 52 dB Bluetooth Connectivity for Audio and Communication. Dual GA Plugs. 3-Way Audio Priority Switch: A- Intercom Priority, B - All Audio Sources, C- Intercom Only. 3-Color Power/Battery Status LED. 4-Function Bluetooth Status LED. Deluxe leather Ear Cushions. Dual-Function Auto Shut Off. Auxiliary 3.5mm Audio Input (Cable included). Requires 2 AA batteries (batteries not included). 5-Year Warranty with 30-Day Money Back Guarantee..........P/N 11-16337 ....**$294.95**

AVCOMM PERSONAL HEADSET BAG

These lightweight, tough bags provide protection for an individual headset, charts, or personal items. A zippered compartment on the outside is ideal for accessories.

P/N 11-15412 ....**$14.95**

AVCOMM AC-260 PNR™ HEADSET

Features: • AVCOMM's exclusive P/NR™ audio technology • Perfect for kids or those who need a smaller headset • Simple & affordable desigN • Larger volume control knob — easy for a child to use • Ultra-lite Neodymium speakers • Lighter weight for added comfort • Higher noise attenuation • Acoustic mic muff included • Full 5 yr factory warranty.

P/N 11-02260 ....**$143.17**

AVCOMM AC454 P/NR STEREO HEADSET

Features: • AvComm's exclusive P/NR™ audio technology • Full spectrum stereo response •Each ear cup features an independent volume control • Ultra-lite Neodymium speakers • Built in Push-to-Talk • M-65 mic w/active filtering chip • 4-way adjustable wire boom • Deluxe Comfort package incl. • Full 5yr factory warranty ....P/N 11-02261 ....**$197.16**

AVCOMM AC747 P/NR CONVERTIBLE HEADSET

Features: • Exclusive P/NR™ technology and "plug and fly" design • Converts from general aviation to helicopter use (both cables included) • Full flex boom • Ultra-lite Neodymium speakers • Each ear cup features an independent volume control • M-65 microphone with active filtering chip • Deluxe Comfort Package incl. • 5yr factory warranty

P/N 11-02262 ....**$292.53**

AVCOMM AC200 P/NR HEADSET

Features: • Simple and affordable PNR™ performance • FULL Flex Boom • Dual volume controls for rt and lt ears • Incredible voice clarity • Higher noise attenuation • Ultra-lite Neodymium speakers • Volume control and easy to adjust stainless steel headband • Acoustic foam ear seals and acoustic mic muff • M-65 microphone with active filtering chip • Lighter weight; weighs only 13.4 oz. • 5yr. factory warranty. ......P/N 11-02259 ....**$119.00**

AVCOMM AC950 ANR DELUXE HEADSET

The AC950 ANR offers more in an improved design. These latest enhancements make the AC950 ANR the premium choice in the Avcomm headset lineup. Pilots and passengers everywhere are praising the features and benefits, claiming its comfort and performance surpass anything they have ever used before. **Features:** • Advanced ANR audio technology • Full spectrum stereo response • Each ear cup features an independent volume control • Electronic mic with active filtering chip for complete noise cancellation • Durable polyurethane coated domes with Platinum finish • Advanced battery pack with low battery indicator • Full flex boom and leather Ear Seals • Full five-year factory warranty • Free headset bag included .... P/N 11-17104..............**$250.00**

AVCOMM ACCESSORIES

		Part No.	Price
COMFORT ACCESSORIES			
P1-006	Foam ear seals - pair/small	11-02280	**$10.50**
P1-007	Foam ear seals - pair/large	11-02281	**$11.21**
P1-009	Deluxe gel ear seals - pair	11-02282	**$24.04**
P1-004	Deluxe cloth ear covers-black	11-02283	**$4.75**
P1-022	Acoustic mic muff	11-02284	**$4.80**
P1-024	Acoustic mic muff	11-02285	**$4.80**
P1-041	AvComm deluxe head pad	11-02286	**$15.20**
PARTS & ADAPTERS			
P2-001V2	Deluxe PTT switch	11-02287	**$41.75**
P2-004	Adapter - GA to helicopter	11-02288	**$41.39**
P2-005	Adapter - helicopter to GA	11-02289	**$36.80**
P2-009	Headset extension cord - 5ft.	11-02290	**$48.89**
P2-010	Headset splitter	11-02291	**$63.28**
P2-121	Gen. aviation straight cord	11-02293	**$49.60**
AC-I0421	Headset Jack Kit (12ft)	11-02273	**$93.75**
MICROPHONES			
AC-454	Replacement Mic for AC-454 Headset	11-08807	**$57.39**
AC-747	Replacement Mic for AC-900, AC-910, AC-920 Headsets	11-08808	**$57.39**

Prices Subject to Change Without Notice

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HEADSETS INC.-1001 PNR HEADSET

• 24dB NRR hearing protection • Noise-canceling electret mic • Rugged Mil-Spec cabling • Dual volume control • New Full flex boom • Wide comfort foam ear seals • Cotton cloth ear covers • Available in black or white. • Weight 14.5 oz. • 3 year factory warranty The 1001H is available with Foam Ear Seals, Gel Ear Seals, or in a Bundle. **Bundle includes:** Gel Ear Seals, Soft Top Headband, and Cloth Ear Covers.

Description	Part No.	Price
1001B Black PNR Headset	11-06494	$117.75
1001BG Black PNR Headset w/Gel Seals	11-09564	$135.75
1001B PLUS Black PNR Headset Bundle	11-10408	$136.75
1001W White PNR Headset	11-09497	$114.95
1001WG White PNR Headset w/Gel Seals	11-09565	$119.75
1001W PLUS White PNR Headset Bundle	11-10410	$136.75
1001TG Tan PNR Headset	11-10086	$129.00
1001T PLUS Tan OND Headset w/Bundle	11-10409	$136.75
1001H Black Heli. Headset	11-08228	$129.00
1001HG Black Heli. Headset w/Gel Seals	11-09622	$137.95
1001BH PLUS Black Heli. Headset w/Bundle	11-10411	$139.00
1001WH White Heli. Headset	11-08223	$140.99
1001WHG White Heli. Headset w/Gel Ear Seals	11-09620	$119.75

HEADSETS INC.-4001 STEREO PNR HEADSET

• 24dB NRR hearing protection • Noise-canceling electret mic • Rugged Mil-Spec cabling • Dual volume control stereo • Pillow top head pad • New Full flex boom design • Gel ear seals • Cotton cloth ear covers • Wind block mic muff • Weight: 15 oz. • 3 year warranty Headsets Inc.-4001 the affordable aviation industry leader.

Headsets Inc. 4001PNR Headset Black......P/N 11-08093 ....**$139.00**
Headsets Inc. 4001 PNR Headset White ....P/N 11-09566 ....**$139.00**

HEADSETS INC.-6001 ANR HEADSET

• Powerful ANR performance • Noise-canceling electret mic • Rugged Mil-Spec cabling, chrome plated plugs • Dual volume control stereo • Pillow top head pad • New Full flex boom design • Gel ear seals • Wind block mic muff • Auto shut-off battery pack • Auxiliary power input jack • 20-hour battery life • Weight: 16.5 oz. • 3 year warranty • D3P01 Personal Headset Bag.

Headsets Inc. 6001B ANR Headset Black...P/N 11-08094..........**$359.00**
Headsets Inc. 6001T ANR Headset Tan .....P/N 11-10074 ....**$399.00**

ANR KIT FOR SHALLOW CUP HEADSETS

All the components needed for David Clark 13 series headsets and others that have shallow depth ear cups. MX modules (reduced height for shallow cups) containing Audio Speaker, ANR speaker, Sensing microphone and control board. Assembly parts containing wire, solder, tie wraps, shrink tubing and Aramid pads. Pink foam strips for Passive noise attenuation. Power cable 72" long to connect battery box to ANR system. Crossover cable to replace existing cable on headset. Standard Battery box to power ANR system. Uses (1) 9 volt transistor battery..................P/N 11-12165 ....**$159.00**
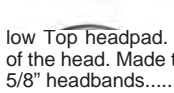
ANR KIT M-003-A FOR STANDARD HELMET

All the components needed to install ANR into your flight helmet. Standard modules containing Audio Speaker, ANR speaker, sensing microphone and control board. Assembly parts containing wire, solder, tie wraps, shrink tubing and Aramid pads. Gray foam strips for passive noise attenuation. Power cable 72" long. Helmet Gel ear seals. Crossover cable to replace existing cable on headset. Standard Battery box to power ANR system. Uses (1) 9 volt transistor battery.
P/N 11-12166..........**$186.75**

HEADSETS INC. ACCESSORIES

GEL SEALS - Add all-day comfort with a pair of De-luxe silicone gel ear seals with the industry's first double bump design to keep the gel in place. Other gel seals tend to squash out over time. Deluxe gel seal will block out noise for increased noise reduction. Fits Headsets Inc. and other top brand general aviation headsets..........P/N 11-06496 ....**$19.95**

PILLOW TOP HEADPAD - Enjoy your flight with Pillow Top headpad. 100% sheepskin eliminates the pressure on the top of the head. Made to fit all general aviation, over-the-head headsets with 5/8" headbands..P/N 11-03014 ....**$28.75**

FOAM EAR SEALS - Fits Headsets Inc. and other top brand general aviation headsets.
P/N 11-07366 ....**$12.50**

CLOTH EAR COVERS - Great for comfort and hygiene! The cool cotton comfort improves the tactile quality of any ear seal. Easy to install, absorbs perspiration, and completely washable. These covers fit all general aviation headsets.
P/N 11-07367 ....**$4.95**

MIC MUFF - This mic muff attaches easily, includes the o-ring retainer, improves transmission while eliminating wind noise, and protects the mic from moisture and dust. It is completely washable and fits all general aviation headset microphones.
Mic Muff ....P/N 11-06497 ....**$3.95**

GENERAL AVIATION TO HELICOPTER ADAPTER
General Aviation to Helicopter Adapter converts general aviation application to helicopter.
P/N 11-09583 ....**$53.75**

POWER SUPPLY FOR PANEL MOUNT HEADSETS INC. 6000, D800 - Panel-mount power supply for Headsets Inc. 6000: The Panel-Mount Power Supply is for 12V aircraft. Save on batteries by powering the ANR system from aircraft power. Active noise reduction systems require a very stable and clean power supply. This panel-mount power supply has 2 voltage regulators, a DC-DC converter for isolation, and an in-line 1/4 amp fuse.
For use with 11-08094 (6001B) & 11-10074 (6001T)
P/N 11-07180 ....**$47.85**

BATTPACK SPARE BATTERY HOLDER

BATTPACK Spare Battery Holder is a AA battery carrying case that easily attaches directly to the 4-5mm cable of an active noise reduction headset. This simple and useful active noise reduction (ANR) headset spare AA battery holder easily attaches to any 4-5mm headset cable. The BATTPACK improves the aviation experience by making it easy and safe to locate spare batteries for an ANR headset. The patent design keeps your batteries securely in place and allows one to easily insert or remove two batteries when needed. ....P/N 11-17105 ....**$9.99**

NAV-DATA ND-72 FOLDUP HEADSET

The Nav-Data Technologies foldup headset has one of the best passive noise reduction ratings of any headset available at any cost. There are many reasons to own the Nav-Data Headset:
• Switch selectable stereo or mono operation
• Dual volume controls
• Gel earseals for maximum comfort and noise attenuation
• Foldup design for easy storage in less space (two will fit in one standard headset bag)
• Full flexible mic boom - stays where you put it!
• Noise canceling electret mic
• Weighs less than a pound
• 3.5mm auxiliary audio input jack for music, voice, etc.
P/N 13-18774 ....**$98.75**

FLIGHTCOM HEADSETS

FLIGHTCOM CLASSIC ANR HEADSET

Flightcom's Classic ANR Headset is built with comfort features not found in similar headsets. With overstuffed Confor® foam ear seals and larger than normal headband, the classic aviation style provides extended comfort and performance. Comfort: Classic ANR's Confor® Foam ear seals, and a wide polar fleece headpad ensure comfort. Innovation: A volume control on each dome allows for independent adjustment. Noise reduction: We keep it quiet with our advanced hearing protection technology. Confor® Foam ear seals effectively block out sound. Noise reduction rating is enhanced by 14 to 18 dB at certain key low frequencies. Comes with a durable nylon carry case
• Precision flex boom with noise canceling electret microphone • 9-volt battery • Chrome headband with a washable polar-fleece headpad • Stereo/mono switch ensures audio compatibility • Mic muff and carrying case included • In-line, "drop-and-go" • Provides an additional 14-18dB noise attenuation at key low frequencies • Weight: 17.9 oz. • Dual-volume controls allow for independent volume adjustment in each ear dome • 3-year warranty... P/N 11-01326 .... **$329.00**

FLIGHTCOM DENALI D30SP

At 11 ounces, this fixed-wing headset is the lightest model available. Denali's ComLeather™ ear seals help abate noise and offer a comfortable fit. The sleek ear domes stay securely in place, reducing side force. Passive 21dB NRR rating. .P/N 11-10820 ....**$259.00**

FLIGHTCOM 5DX CLASSIC

This headset provides supreme comfort and fit through its washable polar fleece headpad, silicone gel ear seals and cloth ear seal covers. Features include noise cancelling electret microphone, precision flex boom, dual volume controls, stereo/ mono switch, 22dB noise reduction rating and all top quality components. Wt 17.9oz. 3-yr factory warranty...........P/N 11-08760 ....**$159.00**

FLIGHTCOM 4DLX CLASSIC

This headset combines the proven performance and affordability of the popular 4DX Classic headset with the comfort of the "air pillow" headpad. Features of the 4DLX Classic include combined foam and liquid ear seals, precision flex boom, noise cancelling electret microphone, stereo/mono switch, cloth ear seal covers, mic cover and 3-yr factory warranty. 24dB noise reduction rating Wt 16.8oz..................................P/N 11-17115 ....**$119.00**

FLIGHTCOM E-13 PASSIVE MILITARY HEADSET

For rugged cockpit environments. Standard comfort features include protein leather covered dual density foam ear seals and washable polar fleece headpad • In-line quick disconnect jack on the mic boom for chemical defense suit and boom replacement • Dome-mounted volume control • DO-160D tested ? environmental and explosive proof • Passive noise attenuation 21dB NRR. Two-year warranty..............P/N 11-10395 ....**$269.95**

FLIGHTCOM DENALI D50ANR HEADSET

At less than 14oz, this headset is the lightest ANR model available. Denali's ComLeather™ ear seals help abate noise and offer a comfortable fit. The sleek ear domes stay securely in place, reducing side force. This ANR model also has SPS – a digital power management circuit. The SPS conserves battery life by shutting off the ANR circuit when not in use. Full passive performance is maintained when the ANR circuit is off. ANR model achieves additional 18-20dB at certain key low frequencies. .....P/N 11-10818 ....**$359.00**

FLIGHTCOM DENALI D90ANR HEADSET

At less than 14oz, this headset is the lightest ANR model available. Denali's ComLeather™ ear seals help abate noise and offer a comfortable fit. Includes dual inputs that support cell phone and Aux connections for communication and entertainment. Automatic muting ensures that all incoming transmissions are instantly heard. Uses two always available AA-size batteries for up to 50 hours of continuous ANR use. Also has SPS – a digital power management circuit. The SPS conserves battery life by shutting off the ANR circuit when not in use. Full passive performance is maintained when the ANR circuit is off. ANR model achieves additional 18-20dB at certain key low frequencies. ....P/N 11-10817 ....**$449.00**

FLIGHTCOM 4DX CLASSIC

The 4DX Classic is an entry-level headset with classic Flightcom ruggedness. With an easy-to-position wire articulated boom and a ventilated foam rubber headpad and combined liquid and foam ear seals, the 4DX Classic is comfortable and affordable. Noise canceling electret microphone • Single-volume control • Stereo/mono switchable • NRR 24dB • Weighs 16.9 ounces • Mic muff and cloth ear seal covers included • Three-year warranty
P/N 11-17110 .... **$109.00**

FLIGHTCOM E-13 ANR MILITARY HEADSET

Newly designed battery box includes SAT/cellphone support, auxiliary input and improved battery monitoring. Active Noise Reduction (ANR) provides an additional 14-18dB noise attenuation. ANR is powered by two "AA" batteries providing up to 50 hours average operation. Approved for use on USAF KC-135, C-5 and C-130 (all types except "J"). USMC approved. Includes carrying case. Two-year warranty....P/N 11-10396 ....**$729.95**

ACCESSORIES

HEADSET BAG - Padded nylon headset bag with 2 chart-size mesh pocket...	P/N 11-07371	**$18.95**
COMFORT SEALS	P/N 11-17130	**$38.75**
GEL-FLO SEALS..	P/N 11-17135	**$48.50**
LEATHER EAR SEALS - 103-0019-10 Protein Leather Ear Seals. Fits all Denali headsets........................	P/N 11-05947	**$46.80**
CLOTH EAR SEAL COVERS - Fits dome style headsets 4DX, 4LX, 4DLX, & 5DX...................................	P/N 11-08467	**$15.65**
POLAR FLEECE HEADPAD - Fits 4DX, 4DLX, 5DX & Classic ANR. Velcro closure.	P/N 11-08313	**$25.75**
DENALI HYGIENE KIT - Ear seals, headpad and mic muffs...	P/N 11-04855	**$65.80**
5DX HYGIENE KIT - 2 gel ear seal, 2 cloth ear seal covers, 3 mic muffs and 3 securing o-rings..............	P/N 11-08592	**$27.80**
A9 MIC - Eliminates distortion and background noise, provides enhanced voice clarity.	P/N 11-08765	**$53.95**
LARGE MIC MUFF..	P/N 11-17649	**$11.95**
SMALL MIC MUFF - With o-ring (3 pk). For use on F20	P/N 11-08591	**$11.75**
POLAR FLEECE HEADPAD - Fits 4DX, 4DLX, 5DX & Classic ANR. Velcro closure.	P/N 11-08313	**$25.75**
FLIGHTCOM COPILOT TRANSMIT CABLE - Requires separate PTT. (Not compatible with iNova.)........	P/N 11-08309	**$11.75**
FLIGHTCOM CIG LIGHTER ADAPTER - Adapter to power intercom from aircraft power.	P/N 11-08310	**$12.60**
PTT SWITCH GOLD - Push-to-talk switch with durable gold contacts.	P/N 11-08311	**$34.75**
FC-06 MIC Y ADAPTER - Allows pilot and copilot to share a single Mic jack. Req. separate PTT for each position.	P/N 11-08314	**$18.75**
COMFORT PAD- For 4DX, 4DXL, & 5DX	P/N 11-08851	**2.95**
FLIGHTCOM CAP - Black with White logo lettering...	P/N 11-08825	**$14.00**
4 PLACE JACK PACK - Switchcraft mic and stereo headphone jacks & hardware to install up to four positions...............	P/N 11-08315	**$79.95**
FLIGHTCOM FC-07 GA TO HELICOPTER ADAPTER - Dual plug to single plug adapter.	P/N 11-08316	**$78.95**
OPEN COCKPIT MIC MUFF - High density muff installs over existing muff on Classic headsets to block wind noise.........	P/N 11-08317	**$16.95**

P/N 11-07371

P/N 11-08765

P/N 11-08317

FLIGHTCOM COMBO PACKAGES

These combination packages offer extra savings as well as a pre-packaged set which includes two headsets, an intercom and a push to talk switch.

Ask for quote on any unlisted headset/intercom combo.

Combo#	Description (Combo includes:)	Part No.	Price
1A	2 Flightcom 4DX hdsts, (1) IISX 2 pl. intercom & (1) P-T-T switch	11-08705	$297.95
1B	2 Flightcom 4DX hdsts, (1) IISX 4 pl. intercom & (1) P-T-T switch	11-08706	$337.95
3A	2 Flightcom 4DLX hdsts, (1) IISX 2 pl. intercom & (1) P-T-T switch	11-08707	$327.95
3B	2 Flightcom 4DLX hdsts, (1) IISX 4 pl. intercom & (1) P-T-T switch	11-08708	$366.95
3C	2 Flightcom 5DX hdsts, (1) IISX 2 pl. intercom & (1) P-T-T switch	11-08717	$404.95
3D	2 Flightcom 5DX hdsts, (1) IISX 4 pl. intercom & (1) P-T-T switch	11-08718	$443.95

AV

Prices Subject to Change Without Notice

FLIGHTCOM HEADSETS

C-20 COBRA HEADSET

Features for this headset include an extra thick ventilated cushion headpad and ear seals for maximum comfort, earphones wired in parallel for safety and reliability, adjustable boom microphone that can be placed on left or right side of mouth, and high performance noise cancelling microphones. Additional Features: • Corrosion proof chrome plated steel in accordance with demanding government specifications • PU cord up to 5 feet long, shielded cable for near perfect E.M.I/R.F.I. protection • PU cord and plug configurations for specific aircraft • Lock nut construction for customized fit. Set it once it fits you right every time • Earphones (300 ohms ea.) wired in parallel for safety and reliability. Earphones compatible with 150-1000 ohm systems. • Listen Volume Control allows you to adjust to a comfortable level • Flexible tension boom assembly for more comfortable and precise microphone placement • Microphone Windscreen • Noise Reduction/ Sensitivity: 21dB • PU cord and plug dual plug configurations for specific aircraft..P/N 17-00237 ....**$151.75**

POWDER PUFF PINK HEADSETS

Pink Powder Puff Pilot headsets, available in PNR and ANR models, are built by a leading avionics manufacturer that specializes in FAA-qualified aviation headsets. Each Powder Puff Pilot headset is hand-made by skilled engineers, and built with an electret microphone and advanced special noise attenuation technology to provide a comfortable audio environment. Both models feature a flexible boom assembly that allows you to adjust the mic to a position that's just right for you. Powder Puff Pilot is so confident of the quality of our headsets, we offer a 3-year warranty on all headset parts and service. Another guarantee: the distinctive Powder Puff Pilot logo in pink on pink on the non-mic earcup is certain to keep flyboys' hands off your headset!

The PNR model offers a more affordable option—especially suitable for student pilots and passengers—delivering a perfect combination of noise reduction, clear sound, and comfortable fit. PNR headsets obstruct annoying noise and amplify communication signals for crystal clear voice transmission.

Description	Part No.	Price
Powder Puff ANR Headset	11-08095	$299.00
Powder Puff PNR Headset	11-08096	$198.00

AX-40 HEADSET

This headset helps to ensure four important goals of today's airline communications: •safety • reliability • health protection • convenience. The hands of the pilot are completely free from any communication chores, thus ensuring full prompt response to all flight events. Thus, the headset contributes to flight safety. By being tightly, yet comfortably, positioned on the pilots head, above the ear, the headset allows to separate all important communications from cockpit noise, thus contributing to flight reliability. Noisy cockpits produce fatigue and stress on pilots. The headset nearly eliminates this problem, thus contributing to the pilots health protection. Comfort and conveniene are evident by a simple look at the headset. AX40 — straight cord up to 5 feet long. Stirrup pivot assembly, such that cups can provide universal fit; Comfortable, extra tick, headpad cushioning; — cushioned ear seals for the best possible noise attenuation and comfort; Shielded cable for near perfect E.M.I./ R.F.I. protection; Corrosion-proof chrome plated steel; — parallel earphone wiring;— adjustable volume control; 150 to 10,000 ohms compatibility; Universal mike boom assembly for precise placement of microphone; High performance, noise cancelling microphone.
P/N 17-00236 ....**$124.95**

FLIGHTCOM VENTURE 30 PASSIVE FIXED WING HEADSET

The Venture 30 Passive stereo headset combines affordable quality, durability, and features for new pilots and passengers young and old. The 17 ounce weight, open-cell foam PVC ear seals, ventilated foam-rubber head pad, and shallow speaker design deliver adaptable fit. The 24dB passive NRR enables clear communication. A stereo/mono switch and single volume control optimize hearing. The powder-coated black headband matches natural black ear domes...P/N 11-10585 ....**$104.75**

FLIGHTCOM VENTURE 50 PASSIVE HEADSET

The 17 ounce weight, open-cell foam PVC ear seals, wide and comfortable air-pillow head pad, and shallow speaker design make a very comfortable headset. With 24dB passive NRR, everyone will enjoy clear communication. A stereo/mono switch and dual volume controls optimize hearing. A powder-coated black headband complements the fresh look of onyx black ear domes. A lightweight carrying bag is included.
Fixed Wing...P/N 11-10584 ....**$99.00**

FLIGHTCOM VENTURE 70 PASSIVE FIXED WING HEADSET

This headset weighs a mere 17 ounces and comes with supple ComLeather ear seals and washable polar-fleece head pad for long-wearing comfort. Like other Flightcom™ Venture series headsets, the Venture 70 provides a 24dB NRR barrier against cockpit noise. Dual volume controls with stereo/mono switch optimize hearing. The powder-coated black headband and carbon fiber print ear domes look professional in any cockpit. A lightweight carrying case is included...P/N 11-10581 ....**$179.00**

FLIGHTCOM VENTURE 90 DUAL INPUT PASSIVE HEADSET

Weighing in at 17 ounces with super-thick ComLeather ear seals and washable thick polar-fleece head pad, this headset is designed to maintain the comfort demanded by experienced pilots spending long hours in the left seat. With 24dB passive NRR and an additional 14-18dB ANR, noise won't prevent you from hearing radio traffic or using your MP3 and your Sat/Cell phone through the dual-input battery box. Auxiliary inputs are muted when communications are received. The Sure Power system shuts off ANR to preserve battery life when no audio is present longer than 15 minutes. A stereo/mono switch and dual volume controls optimize hearing. The chrome headband with carbon fiber print ear domes put this into a class of its own with the latest in style complemented with outstanding features and reliability. Includes a heavy-duty padded carrying case.
Passive Fixed Wing.....................................P/N 11-10580 ....**$219.00**
Helicopter ....P/N 11-10579 ....**$249.00**

FLIGHTCOM VENTURE 50 DUAL INPUT ANR HEADSET

The 17 ounce weight, open-cell foam PVC ear seals, wide and comfortable air-pillow head pad, and shallow speaker design make a very comfortable headset. With 24dB passive NRR and an additional 14-18dB ANR, noise fatigue and clear communication shouldn't be an issue. A stereo/mono switch and dual volume controls optimize hearing. A powder-coated black headband complements the fresh look of onyx black ear domes. A lightweight carrying bag is included...P/N 11-10582 ....**$279.00**

FLIGHTCOM VENTURE 90 DUAL INPUT ANR HEADSET

Weighing in at 17 ounces with super-thick ComLeather ear seals and washable thick polar-fleece head pad, this headset is designed to maintain the comfort demanded by experienced pilots spending long hours in the left seat. With 24dB passive NRR and an additional 14-18dB ANR, noise won't prevent you from hearing radio traffic or using your MP3 and your Sat/Cell phone through the dual-input battery box. Auxiliary inputs are muted when communications are received. The Sure Power system shuts off ANR to preserve battery life when no audio is present longer than 15 minutes. A stereo/mono switch and dual volume controls optimize hearing. The chrome headband with carbon fiber print ear domes put this into a class of its own with the latest in style complemented with outstanding features and reliability. Includes a heavy-duty padded carrying case.................P/N 11-10578 ....**$399.00**

TELEX HEADSETS

TELEX ECHELON 20 AVIATION HEADSET
Designed for students, new pilots, and value-conscious experienced fliers. Offers comfort, excellent hearing protection and value. Provides an impressive 20+ dB of passive noise protection and a top-quality noise canceling electret microphone. A low-profile headband for even weight distribution plus patented ComfortCam™ technology, a three-click tension adjustment system for a custom fit. Special earpieces with foam ear-seals pivot two ways to conform to any wearer while detent sliders adjust the headband.....................................P/N 11-04564 .... **$204.95**

TELEX ECHELON 25XT HEADSET
Includes Telex's innovative cell phone/MP3 adapter that allows you to attach both your cell phone and MP3 player at the same time. Features a plush, thick foam headband pad and newly designed, more comfortable ear cushions. Individual volume controls for each ear cup and a stereo/mono select switch. Impact-Resistant Headband Design. Flight Bag. Weight: 13.6 oz/386 grams.................P/N 11-04563 ....**$337.00**

TELEX STRATUS 30XT
Allows you to power the headset from the aircraft panel, standard alkaline batteries, or rechargeable batteries. A built-in battery recharger that recharges when plugged into a wall socket, the aircraft's panel power or even your car's 12-volt power outlet. Ensures more than 50 hours of battery life. Telex's patented ComfortCam™ to eliminate clamping. A unique headband construction that distributes weight evenly for a perfect fit, plus thick foam headband pad. Telex's innovative cell phone/MP3 adapter which allows you to attach both your cell phone and MP3 player at the same time. Flight Bag. Weight: 14.2 oz/403 grams. Runs on 2 AA batteries
AC/DC 30XT Adapter ....P/N 11-04576 ....**$26.50**

TELEX AIRMAN 7 HEADSET
Sound Quality - High-quality amplified electret microphone. Durability - A strong stainless steel headband with metal pivots. Pre-coiled overhead cord has been added to extend the useful life of the headset. Comfort and Fit- The soft headband pad and lightweight design provides comfort, even on long flights. An added yoke provides enhanced comfort by allowing ear cup movement in all directions.

Dual GA Plugs(1500 ohm) ....P/N 11-15435 ....**$234.95**
Airbus XLR-5 Plug (600 ohm) ....P/N 11-15436 ....**$234.95**
Dual GA Plugs(600 ohm) ....P/N 11-15437 ....**$229.95**
Single Side Dual GA Plugs(300 ohm).........P/N 11-15438 ....**$224.95**
Headphone Only ....P/N 11-15439 ....**$129.95**

TELEX AIRMAN 8 ANR HEADSET
Sound Quality - The Airman 8 features a high-quality amplified electret microphone for clear voice transmission. Improved ANR and microphone noise cancellation ensures superior in-flight communication. Active Noise Reduction- The Airman 8 headset features enhanced ANR (Active Noise Reduction) with even more noise reduction. Powered from its microphone system, eliminating the need for batteries or special connectors.

Dual GA Plugs(600 ohm) ....P/N 11-15433 .... **$420.00**
Airbus XLR-5 Plug (600 ohm) ....P/N 11-15434 .... **$420.00**

Accesories	Part No.	Price
Telex Airman 7 And 8 Windscreen	11-15440	$8.50
Telex Airman 7 Ear Seal Pair Foam	11-15441	$5.35
Telex Airman 7 Leatherette Ear Seals Pair	11-15442	$16.95
Telex Airman 8 Ear Seals Pair	11-15443	$20.50
Telex Airman 7 & 8 Clothing Clip	11-15444	$6.25
Airman 7 & 8 Carry Case	11-15445	$20.70
Telex Airman 7 & 8 Headband Pad	11-15446	$8.50
Telex Airman 7 Hygeine Cover 10 Pack	11-15447	$24.70
Airman 8 Hygeine Cover 10 Pack	11-15448	$24.70

TELEX AIR 3100 HEADSET
The new Telex AIR 3100 is a medium weight headset (15 oz) which is extremely comfortable because of a unique headband knuckle design that distributes ear cushion pressure evenly over the entire ear circumference with no pressure point. Earcup tension is adjustable for preferred balance between noise reduction and comfort. The electret mic is mounted on a fully adjustable and hinged boom. The AIR 3100 replaces the D950 and E951 Telex headsets, and is collapsible for compact storage.
P/N 11-09440 .... **$289.95**

TELEX PRO III 5X5 HEADSET
This headset from Telex features a single side soft ear tip receiver with superior noise cancelling amplifier. The electret microphone is fully adjustable for use on the right or left side. Order push-to-talk switch for aircraft not so equipped.
P/N 11-09600.....................**$268.95**

TELEX AIRMAN 750 HEADSET
A featherweight headset which is the lightest in the industry (2.5 oz.). Features a miniature noise-cancelling electret microphone that provides superior 400 Hz hum rejection. Microphone pivot arm pivots 310° for use on left or right side. The optional Telex PT-300 push-to-talk switch is recommended for use with the Airman 750......... P/N 11-09500 .**$234.95**
Airman 750 Airbus plug.. P/N 11-09302 .**$254.95**
Foam Ear Cushions for 750/760 ....**$5.85**

TELEX AIRMAN 750 SINGLE-SIDED HEADSET
The Airman® 750SS is 25% lighter than the Airman® 750. Its effective weight (without the cord) is only 2.4 oz. Many pilots prefer the ergonomics of a single sided headset. It eliminates the need to pull off one of the earphones when listening to cockpit conversations.
P/N 11-01123 ....**$219.95**

TELEX AIRMAN ANR 850
Uses Active Noise Reduction technology to provide up to 12dB of noise attenuation ensuring the clearest in-flight communication. Weighs less than 4 oz. Combines "set and forget" volume control with never worrying about a battery pack. Power to the ANR is provided by mic bias (active intercom) eliminating the need for battery packs or panel power. By drastically reducing wind noise in jet cockpits, the Airman ANR 850 helps to reduce fatigue. The Telex Airman ANR 850 is unsurpassed in clarity, comfort and convenience. ....P/N 11-01880 ....**$424.00**
Telex Airman ANR 850 (Airbus Application).. P/N 11-05464 ....**$424.00**
Telex 850 Leather Ear Seals.......................P/N 11-04332 ....**$26.50**

TELEX HEADPHONES
TELEX AIRMAN 760 HEADPHONE
A featherweight headphone unit designed for use with hand-held microphones. For long term comfort, an adjustable clothing clip removes the cord weight from the head of the user. ....P/N 11-09300 .... **$96.75**

TELEX ACCESSORIES
Windscreen (750,Pro III,ANR500)...............P/N 11-01112 ....**$8.50**
Cushions (750, 760) ....P/N 11-01113 ....**$5.85**
Gel cushion-Full cushion headsets ....P/N 11-01114 ....**$42.50**
Windscreen-Full cushion headsets ....P/N 11-01115 ....**$8.95**
Foam Cushion - Full cushion headset ....P/N 11-01117 ....**$26.50**
Mic Muff for Dynamic mic...........................P/N HS036.1 ....**$3.95**
Air 3000/ ANR 4000/ Echelon 150 ....P/N 11-09445 ....**$48.50**
ANR 500 Foam Ear Seals...........................P/N 11-04565 ....**$29.50**
Airman 750/760 Ear Seals ....P/N 11-01113 ....**$5.85**

PLANTRONICS MS260 HEADSET

The Plantronics MS260 commercial aviation headset leverages a proven design to set new standards in comfort and reliability for pilots. The noise-canceling microphones enable clear, uninterrupted communications between air and ground. The over-the-head design offers a stable fit for extended wear, and is available in single or twin ear models. ......P/N 11-08904 ....**$199.95**

MS200 PLANTRONICS HEADSET

Combines a unique lightweight design and advanced technology to deliver the ultimate in comfort and reliability. The noise-canceling microphone enables clear, uninterrupted communications between air and ground. Its compact under-the-ear design ensures a secure, comfortable fit for extended wear, yet is convenient to carry and stow. Features: * Hear every word through superior audio quality * 5-foot cord with one each PJ055 and PJ068 plug. * FAA approved
M200 Headset Dual Plugs...........................P/N 11-07311 ....**$149.95**
MS200 For Airbus......................................P/N 11-08905 ....**$189.75**

PLANTRONICS MS250 SINGLE SIDE HEADSET DUAL GA PLUGS

The Plantronics MS250 commercial aviation headset leverages a proven design to set new standards in comfort and reliability for pilots. The noise-canceling microphones enable clear, uninterrupted communications between air and ground. The over-the-head design offers a stable fit for extended wear, and is available in single or twin ear models. ......P/N 11-08903 ....**$168.95**

NAV-DATA ND-71 DELUXE HEADSET

The Nav-Data Technologies deluxe headset has one of the best passive noise reduction ratings of most headsets. Nav-Data Headset : • Switch selectable stereo or mono operation • Dual volume controls • Gel earseals for extra comfort and noise attenuation • Super padded head band for comfort during long flights • Full flexible mic boom - stays where you put it! • Noise canceling electret mic• Weighs only 14.3 ounces.
P/N 13-06087 ....**$99.75**

ARCUS ANR 7 NIMBO PNR HEADSETS

Full Android/iPhone/iPad/iPod/MP3 speaker & mic integration via 3.5mm connection. (N/A for Military). Hi-Fi Ported True Stereo Speakers. Stereo / Mono switching. Dynamic Clamping for complete comfort. Weighs 14oz. Ultra Sharp Electret Noise Canceling Microphones. Advanced Inline Volume Controls with Smart Comm / Aux Control. Large Soft Head Pad. Twin Layer True Gel Ear Seals. Passive Noise Reduction: (NRR) 24dB (The most controversial number in all headsets...) Active Noise Reduction: +16dB-19dB @100Hz (Low end "droning" sounds is what ANR is for). Pilot Direct Internal Noise Cancelling System. Embedded in the ANR technology is an Enhanced Voice Intelligibility (EVI) circuit. Three-Year Unlimited Warranty. Made in USA. Meets or exceeds all CE and FCC standards.

SEE WWW.AIRCRAFTSPRUCE.COM FOR COMPLETE LIST OF HEADSETS, PART NUMBERS, AND PRICES.

SUPER SOFT TOP FOR HEADSETS

The Super Soft Top headset is the ultimate in comfort. Put this headset on and feel the difference! It contains two layers of foam and one layer of polyester wool that is covered with a 90% cotton fabric for maximum humidity absorption. Easy to install, it fits the following headsets: • All David Clark models, (except DC20-10 series) • All Pilot Avionics models, (except PA-1776, PA-1779,Premier,Concord HNE,& Commander series) • All Marv Golden MG's * All Sigtronics • All ASA's * All Softcom's • All Flightcom models (except F-20 & Eclipse).
P/N 13-00358 ....**$20.95**

AV

HEADSET COMFORTOP

Replaces the original head pad with a sheepskin pad providing optimum comfort.
P/N 11-03014 ....**$28.75**

CLARITY ALOFT PRO PLUS HEADSET

The Pro Plus is designed for the discerning professional pilot who needs the ultimate in performance in a TSO certified headset. Robust wiring, exceptionally stable microphone boom, and our legendary comfort combine to make this the best option for the career pilot. The fact that the hearing protection is so good that it can go seamlessly from an airliner to an aerobatic plane just adds to the appeal of the Pro Plus. Includes: • 6 pairs of medium tips • Sample pairs of small and large tips • Semi-rigid ballistic nylon carrying case • 2 lapel clips • Quick Start Guide. ....P/N 11-13294 ....**$725.00**

CLARITY ALOFT HEADSET

Used to improve both hearing protection and speech communications. Each earpiece includes a miniature speaker that reproduces speech signals from the aircraft audio system. The replaceable compliant foam tips attach to the earpiece and contain a pathway for the sound to travel from the transducer to the ear. Provides the highest level of hearing protection available by any method including active noise reduction. (ANR) The noise-canceling microphone is a high fidelity noise canceling Electret Condenser microphone. Include a music input in the Volume control box. This button could also be used as a backup in case of other system failures. Balance and comfort are the result of its elegantly simple design. ....P/N 11-02923 ....**$525.00**

CLARITY ALOFT LINK AVIATION HEADSET

Wirelessly connect to multiple Bluetooth devices for phone calls, music, and more. Tailored Digital Signal Processing gives it the clearest sound available today. Purchase includes: Headset, carrying case, owner's guide, starter supply of eartips (package of 12), and 2 AA batteries.

Features: •Full spectrum noise reduction • Professional grade microphone with added Digital Signal Processing • 2 Bluetooth devices can be linked simultaneously • Enjoy music and movies on your iPod or iPad
P/N 11-10420 ....**$795.00**

CLARITY ALOFT ACCESSORIES

Description	Part No.	Price
Headset Bag	11-08441	**$35.00**
Microphone Cover	11-04644	**$4.00**
Replacement Ear Tips - Standard (Gray) 6 Pairs	11-04643	**$24.95**
Replacement Ear Tips - Slim (Peach) 6 Pairs	11-04642	**$24.95**
Replacement Ear Tips - Large (Black) 6 Pairs	11-15133	**$24.95**
Adjustment Bands	11-13291	**$3.95**
Lapel Clip	11-13290	**$5.00**

3M™ PELTOR ™ 8103 HELICOPTER HEADSET

The Aviation 8103 helicopter headset has an ambient-noise compensated dynamic differential microphone, specially designed for aviation intercom systems. The microphone amplifier is designed for intercom systems with 5 Ohm impedance. The frequency range is adjusted for good speech recognition. The earphones have a limited frequency range, to give the best possible speech recognition in the ambient noise of a helicopter. Peltor's two-point suspension of the shells on a broad headband ensures total comfort and consistent noise attenuation. The spiral polyurethane cable has a moulded NATO-standard connector equivalent to the Nexus TP-120. ....P/N 11-08704 ....**$66.75**

3M™ PELTOR™ HEADSET ACCESSORIES

Deluxe Carrying Bag .... P/N 11-01586 .. **$34.75**
3m Peltor Foam Liquid Seal Ring Replacement - sold as a pair
P/N 11-01587 .. **$21.50**
Gel sealing cushions - sold as a pair .... P/N 11-01588 .. **$53.75**
Mic Muff for MT22/MT24 .... P/N 11-18535 .. **$14.50**
Peltor™ Microphone Windscreen........................ P/N 11-04558 .... **$9.25**
Peltor™ Clothing Clip .... P/N 11-04559 .... **$6.00**

PILOT USA PA-1160AI HEADSET

The headset is designed to plug directly into the ICOM® A2, A3, A4, A20, A21 and A22 aviation transceivers eliminating any need for extra adapters. It can also be used with the A6, A14, and A24 but we suggest the PA-1160AI/R with Right angle plug for those latter models that have the input on the side of the radio. For ease of use, we have installed an inline Press-To-Talk (PTT) switch on the comm-cord. Great to have at air shows to listen to the tower and performers. ICOM Straight Plug.
P/N 11-12982 ....**$145.95**

PILOT USA PA-1140HNE GROUND CREW HEADSET

Great fit for aviation ground crew, passive noise attenuating headset preferred by ground crews around the world. This behind-the-head style allows headset to be worn under a hard hat while maintaining a secure fit and clear communications. Headset comes normally with an electret noise canceling microphone. This style of headset can also be fitted with various 2-way radio plugs and can be worn under a hard hat where hand held radios are in use. NRR 27 Three Year Warranty.
P/N 11-06511 ....**$130.00**

PILOT USA H10-76 CONVERSION KIT

Allows the use of a David Clark 11-02226 (H10-76) or 11-05428 (H10-76XL) low impedance headset in a general aviation aircraft. Kit includes a noise canceling electret microphone (high impedance), and adapter to convert the H10-76's single U-174/U plug to a dual plug system (PJ-068 and PJ-055). .....P/N 11-14427 ....**$69.95**

PILOT USA PA-1100 LISTEN ONLY HEADSET

Keep your passengers informed and protect their hearing with our lightweight listen-only headset. Audio input jack allows user to listen to their favorite IPOD®, MP3®, cd player or monitor a radio. Your passengers will thank you for making their flight more enjoyable. NRR 24.
PA-1100...................P/N 11-06516 ....**$76.85**
PA-1100S Stereo ....P/N 11-06515 ....**$80.00**

PILOT USA PA-1110 SINGLE SIDE HEADSET

This single sided ear cup headset is perfect for monitoring a radio and keeping one ear free to listen to crew members or monitor a 2nd radio source. One stirrup and ear cup have been replaced with an adjustable 2 cushion Air-Foam temple pad. Headset is fitted with a half flex/half metal mic boom with a noise canceling PA-7 elec-tret microphone. Ear seals are liquid and foam for comfort and excellent noise cancellation. Weight 9.6 ounces. Three Year Warranty.
PA-1110...................P/N 11-06513 ....**$110.00**
PA-1110H Helicopter P/N 11-06514 ....**$135.00**

PA-1779M MILITARY HEADSET

• Passive Noise Reduction (NRR): 25dB
• Active Noise Reduction: Additional 20-22dB
• Genuine Sheepskin Headpad
• Gel Ear Seals
• M-87/AIC Dynamic Microphone
• Custom Padded Protective Case
• Rechargeable NIMH battery
• Usage Time: 30-40 hrs
• Coiled Cord with U-174/U Plug
• Weight: 16.9 ounces (479 grams)
• Five Year Warranty
• Made in U.S.A

Model	Part No.	Price
PA-1779M87	11-06539	$575.00
PA-1779M101	11-06538	$550.00

PA-1176M MILITARY HEADSET

• Passive Noise Reduction (NRR): 24dB
• Dual Volume Controls
• Pillow-Top Headpad
• Gel Ear Seals
• M-87/AIC Dynamic Microphone
• Metal Hinged Microphone boom
• Cloth Ear Seal Covers
• Soft Padded Headset Case
• Coiled Cord with U-174/U Plug
• Weight: 16.9 ounces (479 grams)
• Three Year Warranty
PA-1176M87............11-06543 ....**$235.95**

PA-1166M MILITARY HEADSET

• Passive Noise Reduction (NRR): 25dB
• Dual Volume Controls
• Pillow-Top Headpad
• Gel Ear Seals
• M-101/AIC Dynamic Microphone
• Metal Hinged Microphone boom
• Cloth Ear Seal Covers
• Soft Padded Headset Case
• Coiled Cord with U-174/U Plug
• Weight: 16.9 ounces (479 grams)
• Three Year Warranty

Model	Part No.	Price
PA-1166M101	11-06544	$275.00
PA-1166M87	11-06545	$290.00

AV

FLIGHT LITE GEN II DUAL SENSOR PILOT LIGHT

FLITELite GEN II Dual Sensor Pilot Light. The New GEN II is 30% smaller, and more efficient than GEN One. The new version was developed to meet MIL-STD-3009, for Night Vision Imaging Systems (NVIS) aircrew auxiliary and utility light-ing. This light is also perfect for the General Aviation Cockpit. FLITELite comes complete with: * GEN II FLITELite unit, computer controlled, dual sensor pilot light * Headset or Helmet Adapter (new adapters are free) * AAA Battery Pack * Optional Coin Cell Pack * Attachment accessories * AAA Batteries * Warranty

Headset	White	Red	Blue	Green	Price lights	Night Vision	Price Night Vision
Bose	11-07034	11-08002	11-08003	11-08004		11-07038	
Lightspeed	11-07035	11-08006	11-08007	11-08008	$45.50	11-07039	$54.95
David Clark	11-07036	11-08010	---	11-08013		11-07040	
Sennheiser	11-07037	11-08014	11-08015	11-08016		11-07041	
Optional Coin Cell Battery Pack					11-07872		$3.85

PA-1779T ANR HEADSET

- Passive Noise Reduction (NRR): 25dB
- Active Noise Reduction: Additional 20-22dB
- Auto Shutoff System
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklist/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Genuine Sheepskin Headpad
- Gel Ear Seals
- Noise Cancelling Electret Microphone
- Custom Padded Protective Case
- Rechargeable NIMH battery
- Usage Time: 30-40 hrs
- Weight: 16.9 ounces (479 grams)
- Five Year Warranty
- Made in U.S.A

PA-1779T	P/N 11-11515	**$465.00**
PA-1779TH (Helicopter)	P/N 11-03538	**$490.00**
PA-1779TP (Panel Mount)	P/N 11-00440	**$500.00**
PA-1779TB (Bose Connect)	P/N 11-03539	**$530.00**

PA-1771T ANR HEADSET

- Passive Noise Reduction (NRR): 25dB
- Active Noise Reduction : Additional 20-22dB
- Auto Shutoff System
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklist/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Genuine Sheepskin Headpad
- Gel Ear Seals
- Noise Cancelling Electret Microphone
- Custom Padded Protective Case
- Powered by 9V Battery
- Battery Life: 25-30 hrs
- Weight: 13.4 ounces (380 grams)
- Five Year Warranty
- Made in U.S.A

PA-1771T	P/N 11-02110	**$375.00**
PA-1771TH (Helicopter)	P/N 11-03537	**$400.00**

PA-1761T ANR HEADSET

- Passive Noise Reduction (NRR): 24dB
- Active Noise Reduction: 16-19dB
- Auto Shutoff System
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklist/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Pillow-Top Headpad
- Gel Ear Seals
- Noise Cancelling Electret Microphone
- All Flexible Microphone Boom
- Cloth Ear Seal Covers
- Soft Padded Headset Case
- Powered by 9V Battery
- Battery Life: 25-35 hours
- Weight: 16.9 ounces (479 grams)
- Three Year Warranty

PA-1761T	P/N 11-03550	**$295.00**
PA-1761TH (Helicopter)	P/N 11-06505	**$320.00**

PA-2170T PASSIVE HEADSET

- Passive Noise Reduction (NRR): 26dB
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklist/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Genuine Sheepskin Headpad
- Gel Ear Seals
- Noise Cancelling Electret Microphone
- Soft Padded Headset Case
- Weight: 12.4 ounces (352 grams)
- Five Year Warranty
- Made in U.S.A.

PA-2170T	P/N 11-04940	**$185.00**
PA-2170TH (Helicopter)	P/N 11-03553	**$210.00**

PA-1181T PASSIVE HEADSET

- Passive Noise Reduction (NRR): 24dB
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklist/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Push-to-Talk Switch (PTT) on Ear Cup
- Pillow-Top Headpad
- Gel Ear Seals
- Noise Cancelling Electret Microphone
- All Flexible Microphone Boom
- Cloth Ear Seal Covers
- Soft Padded Headset Case
- Weight: 15.9 ounces (389 grams)
- Three Year Warranty
- Also Available in PINK!

PA-1181T	P/N 11-03554	**$185.00**
PA-1181T-P (Pink)	P/N 11-07326	**$185.00**
PA-1181TH (Helicopter)	P/N 11-03555	**$210.00**

PA-1171T PASSIVE HEADSET

- Passive Noise Reduction (NRR): 24dB
- Cell/Satellite Phone Interface
- Auxiliary Audio Interface for Music or Audible Checklists/Warnings
- Mono/Stereo Capability
- Dual Volume Controls
- Super Cushion Headpad
- Confor® Foam Leatherette Ear Seals
- Noise Cancelling Electret Microphone
- Half Metal / Half Flex Microphone boom
- Soft Padded Headset Case
- Weight: 14.9 ounces (422 grams)
- Three Year Warranty

PA-1171T	P/N 11-03556	**$145.00**
PA-1171TH (Helicopter)	P/N 11-03557	**$170.00**

PA-1161 PASSIVE HEADSET

- Passive Noise Reduction: (NRR) 24dB
- Half Metal/Half Flex "Memory" Microphone Boom
- Noise Canceling Electret Microphone
- Foam Head Pad
- Mono/Stereo Capability
- Foam Ear Seals
- Individual Volume Controls
- Warranty: Three Year Warranty.

PA-1161	P/N 11-11560	**$120.00**

PA-1151ACB/ACG
CHILD PASSIVE HEADSET

- Passive Noise Reduction (NRR): 24dB
- Auxiliary Audio Interface for Music
- Mono/Stereo Capability
- Dual Volume Controls
- Mini Super Cushion Headpad
- Foam Ear Seals
- Noise Cancelling Electret Microphone
- Mini Full Flex Microphone Boom
- Small Headband for Perfect Fit
- Weight: 11.9oz (337 grams)
- Three Year Warranty
- ACB has 1 RED and 1 BLUE ear cup. ACG has PINK ear cups.

PA-1151ACB (Boys)	P/N 11-09660	**$120.00**
PA-1151ACG (Girls)	P/N 11-03540	**$120.00**

PILOT USA BLUETOOTH CELLPHONE / MUSIC ADAPTER

BluLink enables you to use your Bluetooth cell phone and any music source wirelessly in the cockpit. You can use your existing general aviation, helicopter, Bose style panel mount, or military aviation headset with BluLink. No more tucking your cell phone under your headset or adapters with various additional cords and adapters. The BluLink will work with any cell phone with Bluetooth version 2.0 or lower. Great for filing a flight plan, checking weather, calling for fuel, getting a clearance at an uncontrolled field, calling a taxi, voiding a flight plan, closing a VFR flight plan, calling for a taxi. Can be use as primary communications for experimental and ultralight pilots.

Fpr GA Headsets: Works for general aviation headsets equipped with standard dual plugs... P/N 11-06553 ....**$249.00**
For Helicopter Headsets: Works for helicopter headsets equipped with the U-174 single plug P/N 11-06613 ....**$274.00**
For Lemo Headsets: Works for panel powered headsets equipped with the Bose style single plug......................... P/N 11-06614 ....**$299.00**
For Military Headsets: Works for dynamic, Low Impedance headsets equipped with a U-174 plug. Standard in military operations.
P/N 11-09226 ....**$349.99**

AV

SOFTCOMM HEADSETS

SOFTCOMM C-10 CHANCELLOR HEADSET

• 24 db passive NRR • Mono/Stereo switchable • Built-in PTT switch • Black gel and foam earseals included • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 15.1oz. head weight • 5 year warranty

P/N 11-03756 ....**$174.95**

SOFTCOMM C-35 WHITE KNIGHT HEADSET

• 22 db passive NRR • 3 year warranty • Mono / Stereo switchable • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy duty cables • Wt: 11.9 oz. head weight

P/N 11-03759 .... **$164.00**

SOFTCOMM C-40 STEREO HEADSET

The C-40 headset blocks out cabin noise & provides crisp, clear communications. It features a high-performance electret microphone for superior sensitivity. The padded head- band adjusts to fit all head sizes comfortably. 'No-Head- Squeeze ear seals are made of soft polyurethane to minimize pressure, reduce noise and provide a comfortable fit. The extremely efficient receivers are wired in parallel for greater reliability. The headset comes with PJ-068 and PJ-055B plugs and is furnished in handsome military gray color. Weight: 12.3 oz. 3-year warranty. **Note: Mic Muff is included with C-40 Headsets**.

P/N 11-03762 ....**$149.95**

C45-10A CHILD'S PRICE HEADSETS WITH AUDIO

Now your child could enjoy the long flight with a personal electronics audio jack for CD,DVD,MP-3 players or Handheld Video Games.
Red ....P/N 11-05946 ....**$113.50**
Purple ....P/N 11-14121 ....**$129.95**

C-200 CENTURION

The C-200 headset features a contoured head pad for a soft, comfortable fit, a flex boom articulating fulcrum with adjustable mic boom and mic muff, and a small power pack with low battery LED indicator. The C-200 is cell phone ready and is complete with interface jack, interconnect cable and hands free adaptor. Other features include silver black dones with silver letting, gel and foam filled ear seals; stereo/mono switch and dual volume controls, noise canceling electret mic and RF immune M-56 amplifier, -24 db passive and -19 ANR, and push-to-talk switch on ear dome. Wt: 14 oz. Power: 9V battery. 3 year warranty. Made in the USA. Specifications: • Head Weight: 14.2 oz. • Total weight: 18.5 oz. • NR Rating: -24 db Passive, -19 db active Warranty: 3yr Unconditional.

P/N 11-03019........**$363.00**

SOFTCOMM C-45 PRINCE HEADSET

• 22 db passive NRR • Mono only • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Du ty Cables • Wt: 11.4 oz. head weight • Folds into Ball • 3 year warranty.   P/N 11-03763 ....**$115.75**

SOFTCOMM HEADSET ACCESSORIES

Foam Ear Seals....................................... P/N 11-02122.........**$12.90 Pr.**
Cloth Comfort Covers............................. P/N 11-11810...........**$6.95 Pr.**
Foam Mike Muff..................................... P/N 11-11820.......... **$5.95 Ea.**
Cigarette Adapter 290204 .... P/N 11-00134...............**$39.50**

AV

COMTRONICS HEADSETS

MODEL-3100 HEADSET - Comtronics Model-3100 Headset has a 34 dB noise attenuation rating making it one of the quietest passive headsets on the market today. The electret noise-canceling Microphone has state-of-the-art voice quality and is compatible with all current Comtronics intercoms and radio interface cables. Headset cables can be terminated with a single plug or configured with two plugs for general aviation use. Earmuffs can be adjusted up or down. All Comtronics helmets and headsets are designed for high noise environments and open cockpit flying including ultralights, powered parachutes, auto-gyros and all sport planes. Weight: 1 lb. (Black)   P/N 11-07425 .... **$239.95**

MODEL-3000 HEADSET - • The Model-3000 Headset offers 30 dB noise attenuation. • They are light-weight and have dark green muffs. • Ear seals are fluid foam-filled cushions and very comfortable. • Can be fitted with our PRO-COM Helmet. • Gel/Foam Ear Seals are optionally available. • This headset can also be used for high noise environments • Weight: 1 lb.(Dark Green)   P/N 11-09942 .... **$210.75**

PRO-LITE SUPERIOR STEREO HEADSET - This headset uses either ultralight or general aviation audio and has a second pair of speakers for High Fidelity Stereo Music. Outstanding audio! • Music Speakers Frequency Response: 15 - 25000 Hz • 3.5 mm Stereo Music Jack on Ear Cup • Comes with Music Cord • Comfortable • Gel/Foam Ear Seals can be added for extra comfort and noise attenuation • NRR 33 - 45 dB • Can also be used with our PRO-COM Helmet • Weight: 1 lb.

w/ Electret Mic (Blue) .... P/N 11-09943 .... **$289.95**
Listening Only (Blue) .... P/N 11-07429 .... **$189.95**

COM-AIR MODEL-5000 GENERAL AVIATION HEADSET - • Similar to Model-3100 Headset • General Aviation Plugs and Audio • Can also be fitted with our PRO-COM Helmet • Also available is a General Aviation - to - Ultralight Adapter • Gel/Foam Ear Seals can be added • Weight: 1 lb. (Black)   P/N 11-09944 .... **$393.00**

COMTRONICS ULTRA-PRO 2000 - Earmuffs are attached to a spring steel wire frame which is secured to the inside surface of shell. This arrangement provides a more positive seal for noise reduction caused by the engine, propeller and wind. The Ultra-Pro 2000 Flight Helmet is available in Metallic White, Metallic Silver, Metallic Red, Metallic Wine, Gloss Red, and Gloss Black. Sizes include Small, Medium, Large, X-Large, and XX-Large. **$375.00**

COMTRONICS ULTRA-PRO STANDARD - The ULTRA-PRO Standard Helmet also has a plush fully upholstered liner and beaded foam inner shell with the new ultra-soft chin pad design. A feature unique to the Comtronics ULTRA-PRO Standard Helmet, the flip-out ear muffs allow easy entry and ability to converse with a student or passenger while making pre-flight inspections. The Ultra-Pro 2000 Flight Helmet is available in Blue, Metallic White, Metallic Silver, Metallic Red, Metallic Wine, Gloss Red, and Gloss Black. Sizes include Small, Medium, Large, X-Large, and XX-Large **$375.00**

COMTRONICS ACCESSORIES

Description	Part No.	Price
Helmet Bag - Lined	11-07437	$47.95
Coiled Cord - Helmet/Headset Option	11-07438	$57.95
Gel/Foam Ear Seal Cushions	11-07439	$47.95
Face Shield - Clear	11-07440	$49.75
Face Shield - Smoke	11-07441	$49.75
Ulta Paq II - Heavy duty pack for the Ultra-Com II intercom	11-07442	$44.95
Dual Paq II - Heavy duty pack for the Dual-Com II intercom	11-07443	$58.95
Peak Visor	11-07444	$8.60
Windscreen - Foam / Dynamic	11-07445	$11.95
Windscreen - Foam / Electret	11-07447	$11.95
Windscreen - Leather / Dynamic	11-07448	$11.95
Ultra to GA adapter / Dynamic	11-12537	$94.75
Ultra to GA adapter / Electret	11-08645	$92.50
Ultra to Heli Adapter	11-09957	$92.50
GA Dual Plug	11-09805	$77.75
Remote Antenna with BNC and 2 foot Whip	11-07436	$94.65
Comtronics W/s Leather Elect	11-07448	$11.95
Comtronics Capacitor Kit	11-09948	$27.95
Comtronics Capacitor Cable	11-09949	$38.25
Comtronics Copilot Trans Mod	11-09950	$67.95
Comtronics Headband Repl Cover	11-09958	$19.25
Comtronics Headset Bag	11-09956	$19.25
Comtronics U/p F/f Shld Smk	11-10386	$29.00

COMTRONICS ULTRA-PRO 2000 FLIGHT HELMETS

The ULTRA-PRO 2000 Helmet is one of the quietest helmets offered by Comtronics Engineering. This helmet incorporates a plush liner and our new ultra-soft chin pad design. These straps have elastic bands over the fitted ear cups creating a positive seal when tightening the chin strap. The helmet utilizes an extremely efficient ear muff which reduces the ambient noise to a more comfortable level. ULTRA-PRO 2000 helmets have high quality speakers and the latest state-of-the-art electret microphones, used by everyone in the industry, offering the highest voice quality .

COMTRONICS ULTRA-PRO HF FLIGHT HELMETS

The ULTRA-PRO HF Helmet is superb for open cockpit flying. This helmet is completely enclosed and comes standard with a clear full face shield. It offers super coverage and also protects the microphone from wind noise. It has a quick release button for the face shield, rear exhaust diffuser, adjustable top vent, ultra-plush interior, padded D-Ring straps, UV protective clear coated paint and is DOT approved. The helmet interior has a comfortable liner, built-in ear cups with a pair of 2-inch speakers to enhance audio reception and built-in electret microphone.

COMTRONICS PRO-COM FLIGHT HELMET

Comtronics PRO-COM Helmet is unique as well because it offers a detachable design allowing removal of headset from helmet. This helmet can be used with Comtronics Model-3100 Headset, Model-3000 Headset, PRO-LITE SUPERIOR STEREO Headset and COM-AIR Model-5000 General Aviation Headset. There is a cut-out in the liner into which the headband fits snuggly. And the chin strap has the new built-in ultra-soft chin pad design as well.

COMTRONICS ULTRA-PRO 9B ISHADE FLIGHT HELMETS

The ULTRA-PRO ISHADE 9B Helmet is also very unique because it has a retractable internal sun shield. This shield is optically correct with a quick release for the clear external shield. It is open in the front and sports dual rear reflectors, adjustable forehead ventilation, a rear exhaust diffuser, padded D-Ring straps, offers UV protective clear-coated paint and is DOT approved. The helmet interior has a comfortable liner, built-in ear cups with a pair of 2-inch speakers to enhance audio reception and built-in electret microphone.

COMTRONICS ULTRA-PRO 62B ISHADE FLIGHT HELMETS

The ULTRA-PRO 62B ISHADE HELMET offers a retractable internal sun shield, rapid-release external shield, adjustable forehead ventilation, rear exhaust diffusers, padded D-ring retention system, UV protective clear coated paint and is DOT approved. The helmet interior has a comfortable liner, built-in ear cups with a pair of 2-inch speakers to enhance audio reception and built-in electret microphone. Can be installed with either Ultralight or General Aviation audio.

COMTRONICS ULTRA-PRO FULL FACE HELMETS

Comtronics Full Face fiberglass helmets are complimented by an Air Channel technology vent system, quick release shield system, padded chin bar, adjustable chin and top vents, rear exhaust vents, breath spoiler, padded D-ring retention system, UV clear protects paint and graphics, and DOT approved. The helmet interior has a comfortable liner, built-in ear cups with a pair of 2-inch speakers to enhance audio reception and built-in electret microphone. This Full Face Helmet does an excellent job of cutting out wind noise making it much easier to hear.

VISIT OUR WEEBSITE FOR ALL HELMET SIZES AND COLORS ABOVE.

COMTRONICS HELMETS

Helmet Size Selection Chart	
Helmet Size	**Head Size**
XX-Large	7-5/8" & up
X-Large	7-3/8" to 7-5/8"
Large	7-1/8" to 7-3/8"
Medium	6-7/8" to 7-1/8"
Small	6-5/8" to 6-7/8"

COMTRONICS INTERFACE CABLES

Interface cables are designed to connect our helmets or intercoms to your transceiver. Different interface and custom cables available.

Cable For:	Part No.	Price
Icom A6/A24/A14	11-07450	$127.75
For IC-A6/A16 Electret	11-13845	$134.50
Ultralight to Dual GA Headset Adapter Electret	11-08645	$92.50
Ultralight to Dual GA Headset Adapter Dynamic	11-12537	$94.75

PLEASE SEE AIRCRAFTSPRUCE.COM FOR A COMPLETE LISTING OF MODELS AND PART NUMBERS.

AV

RUGGED AIR HEADSETS

RUGGED AIR RA200 HEADSET

Headset with 24 db NRR, Clear Hear performance audio speakers, volume control and 3.5mm music input jack for Ipods and MP3. With Foam Fit ear seals, stainless steel headband and Deep Pocket ear canals student pilots and flight instructors will enjoy the all day comfort of the RA200. Superior Clear Hear 50mm audio performance speakers. EM56 noise reflective cup microphone and wind block foam mic muff. 7 year factory warranty

Rugged Air is bringing new audio technology with the same proven reliable cup and headband design. Finish it off with gold plated plugs, tough molded Y block, music input port, Total Shield cabling, and EM56 noise reflective microphone the RA200 is the perfect choice for all of your aviation adventures. ....P/N 13-09291 ....**$99.85**

RUGGED AIR RA900 FLEX HEADSET

The Rugged Air aviation headset with 24 db NRR, Clear Hear performance audio speakers, dual volume control stereo weather proof push to talk on the dome and 3.5mm music input jack for Ipods and MP3. With Foam Fit ear seals, stainless steel headband and Deep Pocket ear canals student pilots and flight instructors will enjoy the all day comfort of the RA900. Never miss an instruction with the superior Clear Hear 50mm audio performance speakers. Always be heard with the all new designed EM56 noise reflective cup microphone and wind block foam mic muff. 7 year factory warranty

Rugged Air is bringing new audio technology with the same proven reliable cup and headband design. Finish it off with gold plated plugs, tough molded Y block, music input port, Total Shield cabling, and EM56 noise reflective microphone the RA900 is the perfect choice for all of your aviation adventures. ....P/N 13-09293 ....**$199.00**

RUGGED AIR RW-RA900 WIRELESS HEADSET

Connect your Bluetooth cell phone for the ultimate wireless connection to stream music, answer phone calls, and enjoy it all without cables. Professional features offer both comfort and clear audio performance for clear communciations with ATC and passengers. Now with Rugged Wireless technology, enjoy your music without cables and clutter. 24dB NRR, Clear Hear 50mm performance audio speakers, weather proof push to talk (PTT) on the dome and 3.5mm music input jack for iPods and MP3. With Foam Fit ear seals, stainless steel headband and Deep Pocket ear canals, student pilots and flight instructors will enjoy the all day comfort of the RA900. Always be heard with the all new designed EM56 noise reflective cup microphone and wind block foam mic muff. Performance features include Total Shield cabling, gold plated plug and tough molded Y-block. Wireless

Features: • Pair your Bluetooth cell phone • Answer calls with one-button press • Hang up with one-button press. ......P/N 13-14959 ....**$395.00**

RUGGED AIR RA980 ANR STEREO AVIATION HEADSET

The RA980 headset does it all and then some! This general aviation headset boasts active noise reduction, bluetooth cell phone and music streaming, and is engineered from the finest materials including true carbon fiber. With a noise reduction rating of 26dB, the RA980 provides ANR hearing protection. It is powered by two AA batteries and the control module has a power indication light so you can always know how much battery life you have left. In the event of the batteries going completely dead, the headset is still able to provide passive noise reduction with a rating of 20dB. 7 Year Warranty. ....P/N 13-21307 ....**$599.95**

RUGGED AIR RA950 ANR STEREO AVIATION HEADSET

The Rugged Air RA950-ANR aviation headset with Active Noise Reduction, Clear Hear performance audio speakers, dual volume control stereo, and easy access 9v battery pack with mono/stereo switch. With urethane Gel ear seals, fully adjustable spring steel headband and Deep Pocket ear canals, pilots and flight instructors will enjoy the all day comfort of the RA950-ANR. Never miss ATC with the superior Clear Hear ANR audio technology blocking out the background noise. Always be heard with the all new designed EM58 noise cancelling microphone and wind block foam mic muff. 2 year factory warranty

Rugged Air is bringing new ANR audio technology with the same proven reliable cup and headband design. Finish it off with gel ear seals, comfort top head pad, quick change 9v battery compartment, Total Shield cabling, and EM58 noise reflective microphone the RA950-ANR is the perfect choice for all of your aviation adventures......P/N 13-09294 ....**$368.00**

RUGGED AIR RA250 CHILD HEADSET

Headset with 24 db NRR, Clear Hear performance audio speakers, volume control and 3.5mm music input jack for Ipods and MP3. With Foam Fit ear seals, stainless steel headband and Deep Pocket ear canals student pilots and flight instructors will enjoy the all day comfort of the RA250. Never miss an instruction with the superior Clear Hear 50mm audio performance speakers. Always be heard with the all new designed EM56 noise reflective cup microphone and wind block foam mic muff. 7 year factory warranty

Rugged Air is bringing new audio technology with the same proven reliable cup and headband design. Finish it off with gold plated plugs, tough molded Y block, music input port, Total Shield cabling, and EM56 noise reflective microphone the RA200 is the perfect choice for all of your aviation adventures. ....P/N 13-09292 ....**$99.85**

RUGGED AIR RA620 HELICOPTER HEADSET WITH DUAL VOLUME CONTROL

Rugged Air brings new audio technology with the same proven reliable cup and headband design. With Stay Put full flex boom, Clear Hear performance speakers and a 24 dB noise reduction rating ATC will come through loud and clear. Always be heard with the all new designed EM56 noise reflective cup microphone with wind blocking foam mic muff. Other features include volume control, 3.5mm music input port for Ipods and MP3, Foam Fit ear seals, and an adjustable stainless steel headband.

Finish it off with Military grade U174 plug, tough durable coil cord, and Total Shield cabling. The Rugged Air RA620 headset is the perfect choice for all of your flying adventures. Full Factory 7 Year Warranty.
P/N 13-10016 ....**$159.95**

RUGGED AIR HEADSET ACCESSORIES

Description	Part No.	Price
Straight cord for music (IPod or MP#)	13-09295	**$6.70**
Cloth Ear Covers	13-09298	**$7.95**
Small Foam Ear Seals	13-09299	**$10.00**
Large Foam Ear Seals	13-09300	**$13.50**
Gel Ear Seals	13-09301	**$23.85**
Wind Blocking Foam Mic Muff	13-09302	**$4.95**
Deluxe Foam Headpad	13-10017	**$17.95**
Pillow top Headpad	13-09303	**$38.75**
Push-to-talk	13-09304	**$33.85**
GA to Helicopter Adapter	13-09305	**$36.70**
Helicopter to GA Adapter	13-09307	**$36.70**
RA200 Main Cable	13-09311	**$39.95**
RA900 Main Cable	13-09312	**$46.50**
RA950 Main Cable	13-09313	**$61.85**
Large Headband	13-10018	**$14.95**
Small Headband	13-10019	**$14.75**
Mic: EM56 Amplified Electret Aviation Impedance	13-10021	**$25.50**
Electret Mic for flex boom non amplified	13-10022	**$16.95**

AV

FARO G2 PASSIVE HEADSET

Enjoy high-end build quality, performance and features at economy prices, plus all the advantages of purchasing from us.
Features: • Amazing Noise Reduction- Up to 26 db • Only 13 oz (without cord assembly) • Large Comfortable Head Pad • Soft Silicone Gel over Foam Earseals • MP3/iPod/iPhone/iPad/Android Input (3.5 mm auxiliary cable included) • High-performance Noise Cancelling Electret Microphone • Flexible Mic Boom with Detent Positioning • Advanced Dual Volume Control • Engineered and Assembled in the USA • Dual GA Plugs.   P/N 13-16041.........**$189.99**

FARO G2 ANR HEADSET

The Faro® G2 Active Noise Reduction (ANR) is designed for pilots who want the quietest cockpit. Using the newest sound technology, the G2 Active noticeably reduces cockpit noise up to 52db. So you can fly longer, more comfortably, and in a quieter environment.
Large Soft Cushion - Extra Comfort for long cross-country flights. Made of soft, durable fiber, the cushion makes the headset feel extra light.
Always Loud. Always Clear. - A fully adjustable microphone beam with wind screen allows ATC and your companions to hear you loud and clear. The microphone has been perfected to deliver high quality, crystal clear communication.
Soft Leather Ear Protection - The soft faux-leather ear protection provides you with an amazing 23db in passive and an incredible 52db of noise reduction with active noise reduction turned on. Engineered to comfortably protect your ears on the longest cross country flights. Featuring dual volume controls, and an MP3 / iPhone Audio Input
Active Noise Reduction Technology (ANR) - The Faro Active reduces the unwanted ambient noise in the cockpit by using both Passive Noise Reduction (PNR) and Active Noise Reduction (ANR)
P/N 13-16042.........**$349.99**

FARO G3 ANR HEADSET

The First Premium Aviation Headset made of Carbon Fiber. Faro G3 is unlike any other headset you have ever worn. Hold it for just a second to realize what thousands of pilots have realized, this is very light. At only 9oz, you will truly appreciate the low-key, low-weight design of Faro G3.
P/N 13-20711.........**$679.99**

FARO AIR IN-EAR HEADSET

Lightweight, only 1 oz. Not limited to jets. Use in any GA aircraft or helicopter. Three-Year Warranty. Provides up to 50db of Noise Reduction. Music Input. Dual Volume Control. Replaceable foam ear plugs. Dual GA Plugs.   P/N 11-16235.........**$309.00**

MGL AVIONICS MGL-880 HEADSET

High class anthracite look, metal frame - hand adjustable, no tools required. Very comfortable headband resulting in no pressure points due to light overall weight Operates as mono or stereo headset with volume and balance controls and very good audio quality. Super soft gel ear seals with soft material allows for a good acoustic seal even if you are wearing glasses. Very high passive noise suppression figures over the full audio band. Filtered, noise canceling microphone. Gold plated connectors and high quality, long life cable. Reversible microphone boom. The headset features two volume control knobs - one on each earcup. **Specifications**: Stereo and mono operation, Soft silicone gel filled earcups, Gold plated Headphone and Microphone plugs, Metal swivel gooseneck and metal microphone boom, Extremely light and strong at only 20.5oz / 580g, Excellent passive noise reduction rating of 27dB, Clear frequency response from 20-17,000Hz, distortion free through entire range, Adjustable open foam cushioned headband, Quick response noise canceling filter amplified electret microphone with wind muff, Conforms to FAA TSO C57a and TSO C58a   P/N 11-09437.........**$127.75**

HEADSET BUYBACK PROGRAM

LIGHTSPEED   David Clark   BOSE
HEADSET BUYBACK PROGRAM

Aircraft Spruce accepts the return of most models of headsets for credittowards the purchase of certain high end ANR headsets. Please call or email our sales team for pricing and availability on trading in your head-set at 877-477-7823 or info@aircraftspruce.com.
Used headset credit will be applied to your Aircraft Spruce account which can then be used towards the purchase of a new headset over $600value (only one used headset will be accepted towards the purchase of one of these new headsets). Used headset must be complete, having all accessories, and the unit must be in good cosmetic and working condition. Any unit not meeting this requirement may receive a lesser credit value or have the unit returned.

ZETA™ / ZETA II™ HELMET LINERS

Visco-elastic foam sewn into cool, washable wear-resistant fabric. Eliminates top-of-head hot spots. Self-wicking fabric controls heat buildup by evaporative cooling of perspiration. Eliminates "bob and roll" when mounting external equipment. Lighter weight than other liners. Fitting only takes a few minutes. Testing shows these helmet liners reduce skin temperature 1.5°F compared to existing liner systems.
Both liners come in four thicknesses: 1/4", 3/8", 1/2" and 5/8". The most commonly used thickness is 3/8".
Visit our website for the Application, Installation, Cleaning Instructions, and Sizing Chart in pdf format.

Zeta™ Helmet Liners							
Size	Thickness	Part No.	Price	Size	Thickness	Part No.	Price
12"	1/4"	11-09857	**$111.75**	15"	1/4"	11-09872	**$111.75**
12"	3/8"	11-09858	**$111.75**	15"	3/8"	11-09873	**$111.75**
12"	1/2"	11-09859	**$111.75**	15"	1/2"	11-09874	**$111.75**
12"	5/8"	11-09861	**$111.75**	15"	5/8"	11-09875	**$111.75**
13"	1/4"	11-09862	**$111.75**	16"	1/4"	11-09876	**$111.75**
13"	3/8"	11-09863	**$111.75**	16"	3/8"	11-09877	**$111.75**
13"	1/2"	11-09864	**$111.75**	16"	1/2"	11-09878	**$111.75**
13"	5/8"	11-09866	**$111.75**	16"	5/8"	11-09879	**$111.75**
14"	1/4"	11-09867	**$111.75**	17"	1/4"	11-09881	**$111.75**
14"	3/8"	11-09868	**$111.75**	17"	3/8"	11-09882	**$111.75**
14"	1/2"	11-09869	**$111.75**	17"	1/2"	11-09883	**$111.75**
14"	5/8"	11-09871	**$111.75**	17"	5/8"	11-09884	**$111.75**

Zeta II™ Helmet Liners							
Size	Thickness	Part No.	Price	Size	Thickness	Part No.	Price
16"	1/2"	11-07976	**$111.75**	17"	3/8"	11-07979	**$114.95**
17"	1/4"	11-07978	**$114.95**	17"	5/8"	11-07981	**$114.95**
				18"	5/8"	11-07985	**$114.95**

AV

ASA AIRCLASSICS HS-1 HEADSET WITH FLEX BOOM

HS-1A Headset features: • Earcups of high-density acoustic foam • High fidelity speakers • Electret, noise-canceling microphone • Gold-plated microphone and headphone plugs • High-grade, multi-strand wire • Stereo/mono capability • Large, dual controls • Microphone muff • Adjustable headband with easy thumb screws • Quality foam ear seals and light weight add to overall comfort • Sleek, all-Black design with ASA silver wings silk-screened on each earcup • Sturdy and reliable - yet reasonably priced for maximum value • Lifetime warranty.

HS-1 Headset features: • Lifetime warranty • Stereo / mono capability • Earcups of high-density acoustic foam • High fidelity speakers for clear, natural sound • Electret, noise-canceling microphone reduces background noise and allows clearest voice transmission • Gold-plated mic & headphone plugs ensure best connection & resist corrosion • High-grade, multi-strand wire improves cable life • Large, dual controls for quick, easy volume adjustment of each ear • Microphone muff • Adjustable headband with easy thumb screws eliminates "hot spots" and accommodates eyeglasses and any head size • Quality foam ear seals and light weight add to overall comfort • Sleek, all-Black design with ASA silver wings tastefully silk-screened on each earcup • Sturdy and reliable - yet reasonably priced for maximum value.

ASA Airclassics Headset HS-1A ....P/N 11-07809 ....**$99.95**
HS-1 Cloth Earseal Covers ....P/N 13-18468 ....**$7.95**

CRAZEDPILOT CP-1 PASSIVE HEADSET

The most COST EFFECTIVE yet COMFORTABLE aviation headset on the market this CRAZEDpilot CP-1 headset is worth every dime for student pilots or that spare headset you require. Fully flexible mic boom like the expensive competitors, stereo headset with integrated volume control knob. Includes quality memory foam ear seals and headpad for those longer flights. With 24dB of Passive Noise Reduction these headphones are IDENTICAL in performance to David Clark, but without the price tag. The steel construction flexible mic boom and adjustable headband will last a lifetime. The molded two-plug aviation cable will last a lifetime with its integrated strain reduction. Get your CRAZEDpilot CP-1 today, you won't regret the purchase.

Features: • Flexible mic boom • Memory foam ear seals and headpad • Stereo Headset • 24dB Passive Noise Reduction • Electret Noise Cancelling Microphone • One year warranty.

Description	Part No.	Price
CP-1 Passive Headset Dual GA Plugs	11-12918	$89.95
CP-1 Passive Headset (Heli)	11-13683	$102.75
Accessories		
Description	Part No.	Price
Ear Cup Inserts	11-12908	$2.95
Gel Ear Seals	11-12909	$18.95
Headset Headpad	11-12910	$12.75
Mic Cover	11-12911	$3.95
Mic Covers (4 pack)	11-12912	$14.95

CRAZEDPILOT CP-1 ANR HEADSET

The CRAZEDpilot CP-1ANR is the most aggressively prices ACTIVE NOISE CANCELLING HEADSET on the market today. Amazing performance comparable to Bose and Lightspeed, but for a literal fraction of the price!
• Great active noise cancelling level, average 20dB • One 9 volt battery working time up to 48 hours much better than David Clark 25 hours • AUX jack for Cell phone with link cables (iPhone adapter included) • Gel ear seals and cotton cloth ear covers included for extra comfort! • When the ANR is ON, low frequency noise cancellation improves by an additional 18-24 dB • Auto Power On and Off when the unit is either unplugged or when your intercom turns on!

Standard .... P/N 11-13315.........**$199.00**
Helicopter........ P/N 11-13684.........**$195.99**

CRAZED PILOT IN EAR HEADSET DUAL GA PLUGS

IN-THE-EAR STEREO Aviation Headset, with comfort-fit ear buds and a molded design to fit comfortably in the ear. No sharp edges or expensive foam tips - simply select from the 3 washable rubber tips included for a proper fit. Excellent quality construction and easy to put on, you'll love this aviation headset for its compact design, comfort, and ease of use. Includes a custom fit hard shell carrying case with multiple pouches.

The noise reduction in-the-ear aviation headset is 22 dB.
Standard..P/N 11-16631 ....**$164.75**

EQ REVERSE LINK SYSTEM

The EQ-Reverse/Link system represents a breakthrough in wireless headset communications. Now any aviation headset can have the same wireless freedom as our popular EQ-Link single headset system. The EQ-Reverse/Link system is comprised of the EQ-Link and EQ-Reverse/Link modules. Any standard aviation headset can be plugged into the Reverse/Link while the EQ-Link is plugged in to the aircraft's intercom system. A wireless link is provided by EQ-1's tried and true 2.4 Ghz, TDMA protocol, (not Bluetooth) R.F. link to provide crystal clear and interference free communications up to 30 feet away from the audio panel.

P/N 11-12106 ....**$919.00**

EQ-1 BLUETOOTH MOBILE PHONE ADAPTER FOR EQLINK HEADSET

The EQ-1 Mobile phone adapters will allow EQ-Link users to answer and send mobile phone call directly from their EQ-1 Wireless Headset.

P/N 11-12031 ....**$217.00**

AIRBOSS HEADSETS

This headset is made out of carbon fiber and has yellow ear cups. Headset has active noise reduction and other features that include soft double foam head pad, protein leather ear seals, precision flex boom, and a noise-canceling electret microphone. Headsets come with a Headset Bag.

AB7 GOLD ANR HEADSET - DUAL GA PLUGS.............P/N 13-21522 ....**$159.00**

AB7-BT GOLD NOISE-CANCELLING BLUETOOTH HEADSET - DUAL GA PLUGS
P/N 13-21523 ....**$288.95**

AB5 GOLD ANR HEADSET - U-174 HELICOPTER PLUG
This ANR headset features a soft durable foam head pad, soft silicone gel ear seals, and a noise-canceling electret microphone on a precision flex boom. The headset comes with a Headset Bag. U-174 Helicopter Plug 150cm straight cord AA Battery Box .....P/N 13-21521 ....**$266.95**

AV

LYNX MICRO SYSTEM

The Micro System is a unique self-contained intercom system which is plug and play compatible with any radio. This equipment is extremely popular for use is open cockpit aircraft and is the market leader for use in ultralight, powered parachutes, etc.

MICROSYSTEM COMPONENTS

Part No.	System Equipment	Description	Price
11-05346	Micro System Headset	Self contained intercom headset.white*	$554.00
11-05350	Micro System Helmet	EU certified protective helmet. S	$299.95
11-05351	Micro System Helmet	EU certified protective helmet. M	$299.00
11-05352	Micro System Helmet	EU certified protective helmet. L	$298.95
11-05353	Micro System Helmet	EU certified protective helmet. XL	$299.95
11-05354	Helmet Visor Standard	Attaches to the helmet with screw fixings.	$89.95
11-09310	High Visibility Visor	For use with Lynx helmets large	$89.95
11-11196	High Visibility Visor	For use with Lynx helmets standard	$379.00
11-05364	Leather Helmet	Soft leather helmet for headset large	$379.00
11-05347	Headset Coup. Adap.	Connects two headsets together.	$49.95
11-05348	Headset Switch Adap.	Switch-on a single headset.	$26.50
11-05349	Dual Charger	Wall charger headsets.	$128.75
11-05356	Visor Extension	Wind deflector chin guard for visor.	$52.75
11-05357	Helmet Bag	Cloth bag for a helmet and visor.	$15.75
11-05358	Headset Bag	Cloth bag to protect a headset.	$15.65
11-05359	Headset Exten. Lead	Used to extend the headset leads.	$112.75
11-05360	Panel Exten. Lead	Extension lead with panel socket.	$145.75
11-05361	Headset Panel Adap.	Converts lead socket into panel.	$104.75
11-05362	Headset Lead Splitter	Used to connect several headsets together.	$195.75
11-05363	Headset Lead Comb.	Connects several interface units together.	$195.00
11-05365	Helmet Goggles	For use with either type of helmet.	$136.75
11-05366	Double Helmet Bag	Large bag for complete systems.	$175.00
11-07092	Radio Splitter + Coiled Radio Lead	Connects in-line with a headset and provides connections for an additional device.	$519.00
11-07093	Coiled Radio Leads	Connecting different radios to portable interface equipment.	$44.50
11-07094	Straight Radio Leads	Connecting different radios to portable interface equipment.	$42.00
11-07095	Car Charger	Charges two headsets at the same time.	$119.75
11-07096	Audio Output Lead	Connecting professional recording equipment to the Micro System	$36.50

*See Website for other colors

HELMET SIZES:
To obtain the correct size of helmet, use a tape measure to measure the circumference of your head just above the ears.
Small: 55-57cm (22")   Medium: 57-59cm (23")
Large: 59-61cm (23.5")   Extra Large: 61-63cm. (24.5")

LYNX G3 PNR MICRO SYSTEM HEADSET

The G3 headset is the latest Passive Noise Attenuation (PNR) version of the Micro System headset. A fifty percent increase in available headset volume and immunity to aircraft transponder and mobile telephone interference. Digital power management which protects the battery. A switch is also provided on the headset to disable the battery if the headset is only used with a Powered Radio Interface and the battery function is not required.

Description	Part No.	Price
Lynx G3 Pnr Micro System Single Headset Package	11-12178	$718.00
Lynx G3 Pnr Micro System Add On Headset Package	11-12179	$609.00
Lynx G3 Pnr Micro System Dual Headset Package	11-12180	$1,310.00
Lynx G3 Pnr Micro System Single Headset Helmet Package	11-12181	$1,099.00
Lynx G3 Pnr Micro System Add On Headset Helmet Package	11-12182	$1,000.00
Lynx G3 Pnr Micro System Dual Headset Helmet Package	11-12183	$2,094.00

LYNX G4 ANR MICRO SYSTEM HEADSET

The G4 headset is the latest digital Active Noise Reduction (ANR) version of the Micro System headset which also includes a digital Voice Controlled Microphone (VCM). Monitors the level of background noise inside the ear-cups and generate an equal volume of anti-noise. The ANR function can be switched on or off. Contains an intercom circuit and a rechargeable battery located in the headband. Connecting two or more headsets together forms an intercom providing communication for a minimum of fifty hours.

Description	Part No.	Price
Lynx G4 Anr Micro System Single Headset Package	11-12184	$1,060.00
Lynx G4 Anr Micro System Add On Headset Package	11-12185	$957.00
Lynx G4 Anr Micro System Dual Headset Package	11-12186	$2,017.00
Lynx G4 Anr Micro System Single Headset Helmet Package	11-12187	$1,453.00
Lynx G4 Anr Micro System Add On Headset Helmet Package	11-12188	$1,353.00
Lynx G4 Anr Micro System Dual Headset Helmet Package	11-12189	$2,810.00
Lynx G4 Anr Micro System White Headset	11-12190	$895.95

LYNX MICRO SYSTEM HELMET VISORS

The Integral Helmet Visor (face shield) is designed for use with Lynx Integral helmets and provides face protection alongside the head protection offered by the helmet. The visor is manufactured from Polycarbonate and attaches securely to the helmet using machine fasteners.
Clear ....P/N 11-14782......$58.75
Tinted..............P/N 11-14783......$56.95

MICROSYSTEM ACCESSORIES

Part No.	Radio Equipment	Description	Price
11-05368	Twin Jack Adapter	Converts the headset to twin jack plugs.	$198.75
11-05369	Audio Adapter	Connects a Walkman or mobile telephone.	$415.00
11-05370	Radio Adapter *	Connects one headset to a radio.	$493.00
11-05371	Radio Interface unit *	Connects one or two headsets to a radio.	$518.00
11-05378	Radio/Power Interface unit *	Powers two headsets and a radio. For Type B connections only and these radios: ICOM A3, A22, A6, A24 and ICA5, A23 with the CT-44 adapter. Vertex Standard VXA-100, 120, 150, 200, 210 with the CT-44 adapter. All other radios will require special order.	$478.00
11-05372	Velcro Mount PTT Switch	Velcro fixing PTT Switch.	$88.75
11-05373	Screw Mount PTT Switch	Screw fixing PTT Switch.	$59.95
11-05374	PTT Extension Lead	Two Metre extension lead for PTT Switch.	$73.75
11-05375	PTT Connector and Lead	Special PTT connector with two metre lead.	$33.00
11-05376	Audio Input/Output Lead	Connects a Walkman to an Audio Adapter or Power Interface.	$39.95
11-05377	Mobile Telephone Lead *	Connects a mobile telephone to an Audio Adapter.	$54.50
11-05379	Power Supply Lead	Connects aircraft battery to Power Interface.	$54.50
11-05380	Power Supply Filter	Used to filter aircraft power supply.	$135.75
11-05381	Large Power Filter	Used with very noisy power supply.	$65.75
11-05382	Radio Power Filter	Used to prevent feed-back with Icom A2/A20 Radios.	$105.00
11-05383	Radio Power Adapter 11V13	Used to connect Icom A6/A24 radios to a Power Interface.	$133.75
11-05384	VHF Antenna -Short Flexible	Antenna for use with airband radios.	$111.75
11-05385	VHF Antenna -1/4 Wave Whip	Antenna for use with airband radios.	$119.85
11-05386	Antenna Extension Lead	Five metre extension for antenna.	$54.75
11-05387	Adapter LA-25	Used to connect Cobra FRS and GMRS radios.	$86.00
11-05388	Adapter LA-30	Used to connect Yaesu VXA 100 radios.	$86.00
11-05389	Adapter LA-44	Used to connect Yaesu VXA 100/120/150/200/210/220 radios.	$86.00
11-05390	Adapter CT-44	Used to connect Icom A5/A6/A23/A24 radios.	$46.50
11-05391	Adapter CT-91	Used to connect Vertex Stadard radios.	$46.50
11-05392	Adapter CT-96	Used to connect Yaesu VXA 300/700 radios.	$46.50
11-05393	Power Lead Adapters	Used to connect various radios to a Power Interface.	$51.00

*Please specify the make and model that will be used with this product.

LYNX MICRO SYSTEM G3 HELMETS

The Integral Helmet G3 is the Passive Noise Attenuation (PNR) version of the Micro System helmet.

The helmet is specifically designed for use in high noise environments and provides both hearing protection and streamlined full face head protection.

Micro System helmets can be connected to a radio via a range of interface units and are fully compatible with all availaable radio transceivers.
Small............P/N 11-14780 ....$1,122.00
Medium........P/N 11-14851 ....$1,122.00
Large ....P/N 11-14852 ....$1,122.00
X-Large........P/N 11-14853 ....$1,122.00

LYNX MICRO SYSTEM G4 HELMETS

The Integral Helmet G4 is the latest digital Active Noise Reduction (ANR) version of the Micro System helmet which also includes a digital Voice Controlled Microphone (VCM).

The helmet is specifically designed lor use in high noise environments and provides both head protection and streamlined fu1l face head protection.
Micro System helmets can be connected to a radio via a range of interface units and are fully compatible with all available radio transceivers.
Small............P/N 11-14781 ....$1,475.00
Medium........P/N 11-14854 ..$14,753.00
Large ....P/N 11-14855 ....$1,475.00
X-Large........P/N 11-14856 ....$1,475.00

AV

LYNX PILOT SYSTEM

The Pilot System is a range of headsets and helmets for use in light aircraft and helicopters. The main advantage of these products are that they provide an integrated headset and helmet system for use in aircraft which have standard twin jack intercom equipment already installed. Headset Colors: Black, White, Grey, Red, Pink, Blue, Yellow or Green

Part No.	System Equipment	Description	Price
11-05394	Pilot System Headset + Lead	Standard general aviation headset.	$510.00
11-05395	Twin Jack Headset Lead	Interchangeable lead for Pilot headset.	$99.85
11-05396	US NATO Headset Lead	Interchangeable lead for Pilot headset.	$104.00
11-05397	UK NATO (Euro) Headset Lead	Interchangeable lead for Pilot headset.	$85.00

NOTE: Pilot System uses the same helmet, helmet visor, visor extension, leather helmet, helmet goggles, helmet bag, headset bag, and double helmet bag as the Micro System. Order part numbers as shown for Micro System Components.

LYNX CLOTH HELMET BAG

A soft cloth bag used to store an individual integral helmet.
The bag is made from fleece cloth and incorporates a drawstring closure. The bag provides suitable protection for a helmet when not being used.
The bag is particularly practical for storing a helmet which is fitted with a visor (face shield) as it will protect the visor and increase its useful life considerable. P/N 11-14785 ....**$17.50**

LYNX PADDED HELMET BAG

A padded nylon holdall to protect and carry integral helmets.
Internal partitions are provided to hold two helmets and additional accessories. A document pocket and three separate pockets for other items, such as radio equipment, are also provided
P/N 11-14784 ....**$175.00**

LYNX PILOT SYSTEM HELMET PLUS LEAD

The Pilot System Integral Helmet is specifically designed for use in high noise environments and provides both hearing protection and streamlined full face head protection.
The helmets are fitted with interchangeable leads which allow them to be used with all of the different types of connector found in aviation.
The helmets are specifically designed to work in open cockpit aircraft and integrate with the modular lynx Pilot System intercom to provide a plug-anti -play communication and radio system.
The helmet is also available in versions compatible with any other aircraft intercom system; this includes standard general aviation systems which use twin jack plugs, microlight systems which use single Jack plugs and gyrocopler systems which use six pin connectors.

Small............P/N 11-14779 ....**$1,081.00**
Medium........P/N 11-14847 ....**$1,082.00**
Large ....P/N 11-14848 ....**$1,085.00**
X-Large........P/N 11-14849 ....**$1,081.00**

LYNX RELAI SYSTEM

The relai System is a range of headsets and helmets for direct connection to hand-portable radios. This equipment also provides the facility to use a helmet with the headset and is used mainly by pilots of single seat aircraft, Paramotor pilots and airport ground crew. Headset Colors: Black, White, Grey, Red, Pink, Blue, Yellow or Green ***Please specify the make and model of radio that will be used with the Relai System Headset.**

Part No.	Description	Price
11-05398	Relai System Headset + Radio Module.	**$491.00**
11-05400	Lynx Avionics Relai System headsets to be used with the following radios: Alinco, Cobra, Delcom, Icom A2/A20/A21,JRC,Maxon,Motorola,Radio Shack, Yaesu FT-23R,YAESU 2000	$17.00
11-05401	Lynx Avionics Relai System headsets to be used with the following radios: ICOM A3/A4/A6/A22/A24 ICOM A5/A23	$46.00
11-05402	Allows Lynx Avionics Relai System headsets to be used with the following radios:ICOM A3/A4/A6/A22/A24/ ICOM A5/A23	$17.00

NOTE: Relai System uses the same helmet, helmet visor, visor extension, leather helmet, helmet goggles, helmet bag, headset bag, and double helmet bag as the Micro System. Order part numbers as shown for Micro System Components.

LYNX ACCESSORIES

Part No.	Spare Parts	Description	Price
11-05403	Ear Seals Type 1 Foam (Two)	For use with all Lynx headsets	$24.75
11-05404	Ear Seals Type 2 Gel (Two)	For use with all Lynx headsets	$44.65
11-05405	Microphone Wind Shield Large (37mm Ø)	Used in an open cockpit. For use with all Lynx headsets.	$16.50
11-05406	Microphone Wind Shield – Small (25mm Ø)	Used in an enclosed cockpit. For use with all Lynx headsets.	$10.50

LYNX POWERED RADIO INTERFACE AND RADIO POWER LEAD

The Powered Radio Interface provides the facility to connect a radio transceiver and a mobile telephone, music player, or recording equipment to two Micro System headsets. Can be used with either panel mount radios or portable radios.
P/N 11-12526 ....**$769.95**

LYNX PILOT SYSTEM HTC AUTOGYRO HEADSET LEAD

Lynx Pilot System headsets and Integral helmets are filled with interchangeable leads which allow the headsets to be used in different aircraft by simply changing the lead. The HTC Autogyro Lead allows the headset to connect to the six pin intercom systems installed in some Autogyros. The in-line connector also allows the lead to separate in an accident and is in compliance with UK Civil Aviation Authority safety recommendations (AIC 312002). P/N 11-14795 ....**$74.75**

AV

LYNX MICRO PILOT SYSTEMS IPHONE LEAD

The Mobile Telephone Lead (iPhone) allows Apple portable telephones to be connected to Lynx equipment The lead also works with telephones from other manufacturers.
P/N 11-14796 ....**$57.75**

LYNX MICRO PILOT SYSTEMS NOKIA LEAD

The Mobile Telephone Lead (Nokia) allows Nokia portable telephones which have a 2.5mm hands-free socket to be connected to Lynx equipment. P/N 11-14797 ....**$54.00**

LYNX MICRO PILOT SYSTEMS SONY LEAD

The Mobile Telephone Lead (Sony) allows Sony portable telephones to be connected to Lynx equipment The lead also works with telephones from other manufacturers.
P/N 11-14798 ....**$54.00**

PUSH-TO-TALK SWITCHES

TELEX PT-300 PUSH-TO-TALK SWITCH - Attaches to any control wheel. Simple installation, no tools required. Simply wrap hook and pile strap around control wheel. Provides instant communications when used with any headset or Telex flexible boom mike. With 6 ft. coiled cord, jack and plug...P/N PT-300...............**$72.75**

ECONOMY PUSH-TO-TALK SWITCH
Similar to PT-300, this top quality switch is offered at considerable savings. Features gold contacts for durability. Fully guaranteed. ......P/N 11-12100 ....**$19.85**

DAVID CLARK C10-15 PORTABLE PUSH-TO-TALK SWITCH
Compatible with all general aviation headsets, recommended for use with David Clark. Dual plunger switch assures positive contact. High quality features are incorporated in every aspect of this switch.
P/N C10-15...............**$72.85**

PTT-400 PORTABLE PUSH-TO-TALK SWITCH
Designed so that the pilot may push downward to invoke the radio transmit function, instead of the traditional "sideways activation" of typical strap-on PTTs. Secures to the top of the vertical handle of the contol yoke with provided velcro tape. Housed at the top of a thin, 1/2" dia. cylindrical enclosure, the soft-touch red push button is rated for 50,000 failure-free operations. 5ft. coiled cable terminates with standard plug & jack. Fast and easy plug-in installation, in virtually any aircaft.......................................P/N 11-02072 ....**$46.85**

NAV-DATA PUSH-TO-TALK SWITCH
Push-to-talk switch with heavy duty construction and dual internal contacts. Included strap to attaches to most yoke controls ....P/N 13-06089 ....**$24.95**

MICROPHONES

TELEX 66T TRANSISTORIZED MICROPHONE
Dynamic, noise-cancelling, hand-held mic. Built-in amplifier is adjustable for full transmitter output. Meets specifications for aircraft and mobile applications. Impedance 50-600Ω. Wt: 9oz. Complete with 5 ft. coiled cord and hanger bracket. Also available with right-angle plug - specify model 66TRA. ....P/N 66T **$153.75**
Right angle plug ....P/N 66TRA **$142.75**

TELEX 100TRA DYNAMIC MICROPHONE
Dynamic, noise-cancelling, amplified, handheld mike. Push-to-talk switch is in front. Handsome beige and black with walnut grain trim. Impedance 50-600Ω. Wt. 9 oz. Includes 5ft. coiled cord with right-angle plug and hanger bracket. ....P/N 100TRA **$132.75**

TELEX 38T ELECTRET MICROPHONE
A state-of-the-art high quality noise cancelling microphone designed as a direct replacement for the RS-38 series microphones. Hanger bracket not included.
P/N 38T **$154.75**

TELEX 500T ELECTRET MICROPHONE
Amplified hand-held electret mike features outstanding noise cancellation. Impedance 50-600 Ω (ohms). Weight: 6.5oz. Complete with 5ft. coiled cord, plug and hanger bracket. ....P/N 500T **$182.90**

DAVID CLARK M-I/DC AMPLIFIED DYNAMIC HEADSET MIC
The M-1/DC Amplified Dynamic headset microphone is a noise canceling type designed to operate in place of carbon and amplified dynamic microphones.
P/N 11-09230 ....**$73.50**

DAVID CLARK M-1A AMPLIFIED DYNAMIC HEADSET MIC
The M-1Amplified Dynamic headset microphone is a noise canceling type designed to operate in place of carbon and amplified dynamic mics.
P/N 11-09225 ....**$71.75**

HEADSET MICROPHONE A1060 BLACK
Proper shielding improves noise immunity in aircraft with heated windshields, power inverters, and other sources of electrical noise. Fits all C40 Model Headsets (David Clark, Softcomm, Telex, etc.)
A1060 fits all C40 Models ..P/N 11-04838 ....**$28.75**
Microphone windscreen covers all headsets
P/N 11-04840 ....**$1.95**

CALL FOR SPECIAL PRICES!

LEATHER FLYING HELMETS

MODEL 711
GOATSKIN / COTTON LINING HELMET
Black (Small)	P/N 11-10505-S	**$89.95**
Black (Medium)	P/N 11-10505-M	**$89.95**
Black (Large)	P/N 11-10505-L	**$89.95**
Black (X-Large)	P/N 11-10505-1	**$89.95**
Brown (Small)	P/N 11-10510-S	**$89.95**
Brown (Medium)	P/N 11-10510-M	**$89.98**
Brown (Large)	P/N 11-10510-L	**$89.95**
Brown (X-Large)	P/N 11-10510-1	**$97.75**

MODEL 711K
COTTON KHAKI HELMET FOR DAVID CLARK HEADSETS
Brown with Leather Ear Cut-Outs
Small	P/N 11-10525-S	**$75.95**
Medium	P/N 11-10525-M	**$75.95**
Large	P/N 11-10525-L	**$75.85**

MODEL 711L
GOATSKIN / FLEECE LINED FOR DAVID CLARK HEADSETS
Black (Small)	P/N 11-10515-S	**$97.85**
Black (Medium)	P/N 11-10515-M	**$97.85**
Black (Large)	P/N 11-10515-L	**$97.85**
Black (X-Large)	P/N 11-10515-1	**$97.85**
Brown (Small)	P/N 11-10520-S	**$97.85**
Brown (Medium)	P/N 11-10520-M	**$97.85**
Brown (Large)	P/N 11-10520-L	**$97.85**
Brown (X-Large)	P/N 11-10520-1	**$97.95**

MODEL 711M
MESH / UNLINED WITH LEATHER TRIM
Small	P/N 11-10555-S	**$82.75**
Medium	P/N 11-10555-M	**$82.75**
Large	P/N 11-10555-L	**$82.75**
X-Large	P/N 11-10555-XL	**$82.75**

MODEL 712
GOATSKIN / COTTON LINING
Black (Small)	P/N 11-10530-S	**$66.75**
Black (Medium)	P/N 11-10530-M	**$66.75**
Black (Large)	P/N 11-10530-L	**$66.75**
Black (X-Large)	P/N 11-10530-1	**$66.75**
Brown (Small)	P/N 11-10535-S	**$66.75**
Brown (Medium)	P/N 11-10535-M	**$67.75**
Brown (Large)	P/N 11-10535-L	**$67.75**
Brown (X-Large)	P/N 11-10535-1	**$67.80**

MODEL 712C
TRADITIONAL COTTON KHAKI FLYING HELMET
Small	P/N 11-10550-S	**$54.75**
Medium	P/N 11-10550-M	**$54.75**
Large	P/N 11-10550-L	**$54.75**
X-Large	P/N 11-10550-1	**$54.75**

MODEL 712L
GOAT SKIN / FLEECE LINING FLYING HELMET
Black (Small)	P/N 11-10540-S	**$65.75**
Black (Medium)	P/N 11-10540-M	**$65.75**
Black (Large)	P/N 11-10540-L	**$65.75**
Black (X-Large)	P/N 11-10540-1	**$65.75**
Brown (Small)	P/N 11-10545-S	**$65.75**
Brown (Medium)	P/N 11-10545-M	**$65.75**
Brown (Large)	P/N 11-10545-L	**$67.75**
Brown (X-Large)	P/N 11-10545-1	**$67.50**

Note: Specify size by completing part no. with -S, -M, -L, or -1 for XL. Small (19"-20") Med.(21"-22") Large(23"-24") XL(25"-26")

MIC/BOOM KITS FOR AVIATION HELMETS
Now available for aviation helmets the David Clark patented combination flex/wire boom allow for easy, perfect microphone positioning. Each kit is complete with attachment assembly, microphone & cover, and boom with 16" cord for installation.

M-7A mic and flex/boom ass'y Kit for Aviation helmets (High impedance / Civilian radio systems. Model 40688G-24
P/N 11-00866 ..... **$113.75**

M-87/A1C mic & flex/boom ass'y. Kit for Aviation helmets (Low impedance/military radio systems. Model 40688G-23
P/N 11-00867 .... **$90.75**

WWW.AIRCRAFTSPRUCE.COM

Prices Subject to Change Without Notice

DAVID CLARK HEADSET ACCESSORIES

Description	Part No.	Price
Comfort covers – David Clark Style **(sold as a pair)**	11-04793	$8.50
Mic Muff -Protects mic on all David Clark and standard size headset mics. This is not a foam muff.	11-04788	$4.70
Gel Earseals - Provide optimum comfort and fit all David Clark Headsets.	11-04820	$22.50
David Clark H10 Comfort Gel Undercut Ear Seals	11-01782	$23.50
Foam-Filled Ear Cushions - Soft and durable covers with an all polyurethane core. Fits all David Clark headsets.	11-04787	$8.50
Foam Headband - A light, foam filled headband which snaps on all David Clark Headsets for great comfort.	11-04791	$32.95
H20-10 Gel Ear Seals	11-01828	$50.55
Headset Bag- Nylon Carry bag, Black on Black.	11-00642	$19.90
DC M-4 Mic Muff	11-04819	$3.65
Electret Microphone -Matches David Clark M-4 or equivalent.	11-05896	$45.75
DC Mic Muff - Fits standard electret mic. Foam mic muff w/O-ring.	11-09201	$3.65
Pro X Ear Seals	11-12457	$27.50
Mic Muff M-7 - Designed to operate in place of carbon and amplified dynamic microphones. It will not operate in circuits that do not supply a DC bias voltage.	11-08282	$51.75
Low-Hi Impedance Adapter	11-08283	$168.75
Stop Gap - These eyeglass adapters place a soft coupler between the side of the head and the ear seal to prevent any noise leak and assure a comfortable fit.	11-04785	$4.70
X11 Microphone	11-09263	$38.95
40998G-05 ADAPTER CORD - Designed for wiring into existing avionics built-in intercoms, radios, etc.	11-05542	$73.99
40998G-03 ADAPTER CORD - Optional adapter cord allowing use of the X11P in aircraft already equipped with David Clark ENC "XP" Series panel mount module.	11-05548	$97.75
Head Pad Cover	11-04792	$8.50
Boom Guide Kit Standard Mount	11-12490	$8.50
Dome Filter	11-12493	$3.35
Filter	11-12496	$2.95
Sheepskin Headpad	11-12497	$38.99
10A/10AS Hearing Protection	11-12489	$38.50

STRAIGHT CORD (5 FT) WITH PJ-068 & PJ-05 40133G-04 - Increases the versatility of the H10-60 headset. Plugs into the dome connector.
P/N 11-05948 ....**$85.75**

COIL CORD (5 FOOT) WITH PJ-068 & PJ-055 PLUGS 40133G-05 - Increases the versatility of the H10-60 headset. Plugs into the dome connector.
P/N 11-05949 ....**$115.85**

COIL CORD (5 FOOT) WITH U-174/U PLUG 40133G-06 Increases the versatility of the H10-60 headset. Plugs into the dome connector. ...P/N 11-05950 ....**$84.75**

PLUG ADAPTER 18253G-02 - 18253G-02 - Converts U-75/U to M642/5-1 (PJ068) and M642/4-1 (PJ055)
P/N 11-05953 ....**$86.75**

PLUG ADAPTER 18253G-03 - Converts U-75/U to U-174/U.......................P/N 11-05954 ....**$83.75**

PLUG ADAPTER 18253G-04 18253G-04 - Converts U-174/U or U-93A/U to U-75/U
P/N 11-05955............**$86.75**

PLUG ADAPTER 18253G-05 - Converts U-174/U or U-93A/U to M642/5-1 (PJ068) and M642/4 (PJ055). Also converts the Helicopter Single Plug to a Dual Plug configuration for Fixed Wing flying. General Aviation applications only............P/N 11-05956 ....**$86.75**

PLUG ADAPTER 18253G-06 - Converts PJ-068 & PJ-055 to U-174/U. Also converts the Fixed Wing Dual Plug configuration to a Single Plug for Helicopter flying. General Aviation Applications only.
P/N 11-05957 ....**$89.75**

DAVID CLARK HEADSET ACCESSORIES

PLUG ADAPTER 18253G-17 - Converts NATO to PJ-068 & PJ-055..........P/N 11-05958 ....**$83.75**

PLUG ADAPTER 18253G-16 - Converts PJ-068 & PJ-055 to NATO ....P/N 11-05959 ....**$88.65**

PLUG ADAPTER 18253G-18 - Converts U-174/U to NATO ....P/N 11-05960 ....**$86.75**

PLUG ADAPTER 18253G-19 - Converts NATO to U-174/U........................P/N 11-05961 ....**$83.75**

DAVID CLARK HEADSET HANGER

The 43200G-01 Headset Hanger is the perfect NFPA-compliant headset restraint for fire apparatus, EMS, and rescue vehicles. Manufactured from heavy duty, transportation-grade rubber, it is not affected by hot of cold temperatures, UV rays or corrosive marine environments. An integrated quick-release strap completes this unique, simple and effective solution for any style David Clark noise-attenuating headset. ....P/N 11-13518 ....**$8.50**

LYNX BOSE LEMO HEADSET CONVERTER

This Lynx Avionics Headset Converter is for use with Bose or Lightspeed headsets fitted with Lemo panel connectors. The Headset Converter (Bose Lemo) is backwards compatible with all Lynx products and allows Bose or Lightspeed headsets to connect to the Lynx intercom systems installed in many aircraft. ....P/N 11-13799 ....**$239.95**

LYNX MICRO SYSTEM BOSE LEMO HEADSET CONVERTER

For use with helicopter headsets or helmets fitted with a UK NATO jack plug and allows the headset or helmet to connect to a lynx radio Interface ....P/N 11-13666 ....**$239.95**

LYNX BLUETOOTH AUDIO ADAPTER

The Bluetooth Audio Adapter allows wireless connections to a Lynx Micro System headset and can also be used with two separate audio or telephone leads. The adapter is powered from the headset. or from a Radio/Power Interface, and does not require charging. Once paired with a telephone, all of the main handsfree functions can be controlled from the adapter, including: voice dialling. call transfer. call reject and last number redial. The adapter is backwards compatible with all Lynx Micro System products. ....P/N 11-10446 ....**$526.00**

CRAZEDPILOT HEADSET CABLES

COCKPIT AUDIO RECORDING CABLE FOR GOPRO HERO3 / HERO3+ / HERO4 - The CRAZEDpilot HEERO3/HERO3+/HERO4 audio cable will directly interface your GoPro HERO3 , HERO3+ or HERO4 series cameras to your audio system with no fuss!
P/N 11-13680 ....**$54.95**

HEADSET AUDIO RECORDING CABLE FOR GOPRO HERO 2 CAMERA
Allows you to interface your Digital Audio/Video Recorder with the aircraft intercom system in your helicopter! Also works great with the ContourHD line of cameras, or any other hand held camera or recording device utilizing the standard 3 conductor 3.5mm cables ....P/N 11-13682 ....**$54.95**

HEADSET AUDIO RECORDING CABLE FOR GARMIN VIRB
The Video Recorder Audio Adapter allows you to record all transmissions (local and remote) from the helicopter intercom system to your Garmin VIRB Digital Video Recorder........................P/N 11-13681 ....**$54.95**

HEADSET AUDIO RECORDING CABLE FOR IPHONE
This product allows you to interface your iPhone / Android / iPad with the aircraft intercom system from your HELICOPTER.
P/N 11-13679 ....**$54.95**

3.5MM MUSIC PLAYBACK CABLE FOR DUAL GA HEADSET
Connects any 1/8" (3.5mm) stereo music device (iPod, iPhone, MP3 player, CD player, Garmin with XM radio, etc.) directly between the intercom and your GA (dual plug) headset. .... P/N 11-13678 ....**$35.95**

BLUETOOTH HEADSET INTERFACE
Bluetooth interface allows you to WIRELESSLY hear "TERRAIN" warnings or "TRAFFIC" notices, right in your headset - without the risk or inconvenience of wires!..............................P/N 11-14137 ....**$52.75**

GA TO HELI HEADSET ADAPTER CABLE
Adapts your GA fixed wing dual-plug headset to a helicopter single-plug connector for General Aviation Civilian Helicopters (not "Military" headsets, that would require an Impedance matching device, the PA-87).
P/N 11-14138 ....**$34.95**

AV

PILOT USA SMARTPHONE DIGITAL AUDIO ADAPTER

Turn your Smartphone or Tablet (iPhone, iPad, Android, Windows Phone, etc.) into a Cockpit Voice Recorder! You'll be able to record audio through your aviation headset. Your Smartphone will be able to record all transmissions through the Intercom systems including in-cabin and ATC transmissions. Great for CFI's and Students to review radio communication skills after the flight!

P/N 11-10531 .... **$49.95**

ANR HEADSET RETROFIT KIT

The ANR Adapter is a product that will transform a current aviation headset into a high-tech active noise reduction unit. The ANR Adapter comes as a kit and includes a pair of inserts that fit more than 20 different headset models. Installation requires fitting the inserts, drilling a small hole in one earcup for the power receptacle, and soldering the original cable leads to the kit replacement parts. (uses two 9-volt batteries). IMPORTANT: It is mandatory that you use "silicone gel" type earseals. The original earseals (dry or liquid filled) are not as airtight as gel seals, and in addition do not dampen sound and vibration as effectively. The result is that the ANR units will greatly underperform (20-50%) and will be more likely to malfunction.

David Clark type...................... P/N 11-11955........... **$159.00**
Peltor....................................... P/N 11-11956........... **$179.00**

AMP CABLE (AUDIO+MIC+POWER)

A standard ANR upgrade kit comes with a 6' long addon power cable which tie-wraps to your original audio cable, and it requires that you drill a 1/4" hole in the left earcup (next to where the main cable enters the cup). The AMP cable replaces your original cable and has the DC power wires, audio wires and mic wires all in 1 cable. The result is more esthetically pleasing and no additional hole is required in the left earcup.

P/N 11-03012 .... **$32.60**

LYNX AVIONICS HEADSET CONVERTERS

- Connects twin jack headset or helmet
- Works with speakers from 8 to 600 Ohms
- Accepts dynamic, electret or carbon microphones
- ANR power to microphone jack tip
- Headset volume control
- Maintains selective PTT operation and muting
- Water resistant bayonet locking connector
- Supplied with fixing kit

Lynx Twin Jack Headset Converter .... P/N 11-09306 ....**$241.00**
Lynx Single Jack Headset Converter.............. P/N 11-09307 ....**$239.95**
Lynx US NATO Jack Headset Converter........ P/N 11-09308 ....**$239.95**
Lynx UK NATO Jack Headset Converter........ P/N 11-09309 ....**$239.95**

LEATHER EAR CUPS FOR HEADSETS

The AVCOMM deluxe leather ear seals offer any headset comfort that is unsurpassed! They fit any standard GA headset and make for a fantastic upgrade. Toss the old hard foam ones or heavy gel units and step up to hours of flying comfort. P/N 11-15033 .... **$18.75**

CRAZEDPILOT LEATHERETTE EAR SEALS

Looking for a luxurious leather feel on your David Clark, CRAZEDpilot, or any other similarly styled headset? The CRAZEDpilot Leatherette Ear Seals are a lovely mix of class and comfort for your David Clark, CRAZEDpilot, PilotUSA, Flightcom, and 99% of all 'ear shell' style airplane and helicopter headsets. Sold in Pairs.

P/N 11-14953 .... **$24.95**

USB EXTENTION CABLE

USB 2.0 extension cable is used to extend the distance between the USB port and the USB peripheral. This panel mount extension cable features a USB type A male connector on one end, and a USB panel-mount (female) molded connector on the other end. The female panel end can be mounted on a faceplate, a wall plate, or a bulkhead surface. P/N 11-15365 .... **$14.95**

ANR RETROFIT KIT REPLACEMENT CROSSOVER CABLE

Crossover cable replacement cable between ear cups. HA-010 4 conductor cable.

P/N 11-15415 .... **$3.55**

THE MUSE PERSONAL MUSIC DEVICE

PS Engineering, Inc's The Muse®, as simple and low cost way of interfacing your favorite entertainment device into your aviation headset. The Muse® is a miniature Personal Music Device (PMD) that allows connection of an entertainment source directly to your headset without complicated wiring or permanent installation--no rocket science here. About the size of a 9-Volt battery, The Muse® mates with stereo or mono headsets and has no effect on radio transmissions or intercom functions. ....P/N 11-09045 ....**$349.95**

IPOD / MP3 MUSIC ADAPTER

This adapter works with your existing intercom by pumping your music into any available mic jack, allowing it to be distributed through the intercom to everyone wearing a headset. Plug one end into the aircraft's mic jack and the other into your media player's headphone jack. * Compatible with ipod, iphone, mp3, CD, laptops, and most other portable media players * Music in your headset without costly upgrades * Listen to music through the aircraft's speaker during pre-flight * Plugs into standard mic jack * Just Plug and Play! No more wearing uncomfortable in-ear headphones under your aviation headset. No need for an expensive new intercom or new headset. This will work in any intercom system with an available mic jack. Maintain the comfort and quiet of you current headset; just add your favorite music! Also works great in many airliners. P/N 11-07541................**$21.50**

HEADSET AUDIO RECORDING CABLE FOR IPHONE / ANDROID

This product allows you to interface your iPhone / Android with the aircraft intercom system. Great for creating your own aerial audio recordings without excess cabin noise. Works with devices that use a 3.5mm 4 connector iPhone / Android connector. Perfect for recording ATC communications or Intercom communications with your passengers during your flight for later review. Compatible with all iPhone / Android recording apps. This cable is made from quality molded plastic, and utilizes a straight cord, allowing the cable to tuck easily into edges and out of camera view. This also prevents accidental entanglement with the cord while flying. Cable is 5.5ft long to easily reach your iPhone / Android wherever you like to keep it! Designed with the SLIM iPhone connector – unlike competitor cables, THIS cable can be used with almost any iPhone / Android case!

P/N 11-12913 ....**$38.95**

PILOT 24V TO 12V CONVERTER / STEP DOWN TRANSFORMER

24v to 12v Converter / Step-down Transformer. The perfect low-cost 24v to 12v transformer for your 24 volt system aircraft. Run ANY device up to 5 AMPS total current draw. Use this in your experimental to drive a 12V cigarette lighter,12v iPad, etc. Fits in the palm of your hand - it only weights 2 oz.! Rated at 60 Watts, this converter is EASY to wire - Just provide 24volts positive to the RED line, Ground both black wires, and 12 Volts will flow OUT of the YELLOW wire. Simple as that! The least expensive 24v converter on the market! P/N 11-12192................**$19.95**

MICROPHONE WINDSCREENS

PA-10M - Flightcom: 4DX, 5DX. Skycom H-40A, h-80A. Sigtronics: S-68, S-20. Peltor LE Sport, 7004, 7104. Telex: Stratus, Airman 750, ANR 150. David Clark: H 10-40, H-10-80, 10-20, 10-21, 10-26, 10-6-, 13.4.Pilot Hdsts: P-51, 11-40, all ANRs. PN 11-05808 .... **$1.95**

M-87 - Any headsets using M-87 Microphones (usually the mics in helmets such as Gentex or Gallet) PN 11-05810 .... **$2.50**

PILOT HEADSET EAR COVERS

Prevent that sweaty-sticky feeling! Great for the soft comfortable fit you want! They are perfect for loaner headsets - just wash em anytime! They fit David Clark and many other similarly sized headset shells. Packaged in pairs. Made of soft comfortable knit fabric in Black to suit any headset color. P/N 11-12191..................**$5.95**

HEADSET UPGRADE KITS

For considerably less than the cost of a new headset, you can upgrade the headset you already own to improve comfort and performance. You'll experience improved intelligibility and transmission clarity, and you'll enjoy pain-free, cool, dry ears. Comes with: A-SoftTop® Headset Cushion, B- SoftSeal® Ear Cushions, C- SoftSkin® Ear Seal Covers, D- HushKit® Passive Ear Cup Noise Attenuation Kit, & E- MicMuff® Microphone Cover.

David Clark Upgrade Kit....................P/N 11-07808 ....**$164.90**
Bose® Headset Upgrade Kit ....P/N 11-06309 ....**$126.85**

HEADSET & HELMET ACCESSORIES BY OREGON AERO

Individual Oregon Aero® Upgrade components are available for the Headset & Helmet models listed.

OREGON AERO® SOFTTOP® HEADSET CUSHIONS

- Eliminates top-of-head pressure. 100% plush sheepskin wool. Keeps head cool or warm. Moisture-proof, self-wicking action. Flexible leather backing. Customized mount of either rubber extrusion or nylon with hook/loop wrap.

10006 SoftTop® Headset Cushion for David Clark and David Clark Clones .... P/N 11-10905 ... **$39.95**
10006D SoftTop® Headset Cushion with D ring for David Clark and David Clark Clones... P/N 11-10906 ... **$39.95**
10020 SoftTop® Headset Cushion for Bose® Aviation Headset X™* and Bose® A20™... P/N 11-08679 ... **$39.95**
10016 SoftTop® Headset Cushion for FlightCom Denali, LightSpeed QFR, Sennheiser 100/300, Telex Air 3000,3100,3500,4000,4100,4105,ANR 150, Echelon 100/150, ANR1-D,MRB-600 ... P/N 11-10915 ... **$39.95**
10017 SoftTop® Headset Cushion for Peltor 7000 series .... P/N 11-10903 ... **$41.50**
10004 SoftTop® Headset Cushion for Telex Airman 750 .... P/N 11-10902 ... **$15.50**

OREGON AERO® SOFTSEAL® EAR CUSHIONS -
Conform to your head. 200-300% more volume for total comfort. Smooth, soft, washable synthetic leather cover over temperature and pressure sensitive visco-elastic foam core. Great with eyewear or earrings. Eliminate ear pressure. Attach with flange, adhesive ring or snap-on mount, depending on headset type.

20005 SoftSeal® Ear Cushions (1 1/8") for David Clark and David Clark Clones... P/N 11-10917 ... **$63.75**
20034 SoftSeal® Ear Cushions for ANR David Clark and David Clark Clones other than X11 .... P/N 11-10920 ... **$66.75**
20007 SoftSeal® Ear Cushions for Bose® Aviation Headset X™* and Bose® A20™... P/N 11-08680 ... **$66.75**
20020 SoftSeal® Ear Cushions for Peltor 7000 Series, LYNX, and Sennheiser HMEC 200/222 Headsets .... P/N 11-10921 ... **$75.75**
20002 SoftSeal® Ear Cushions (¾") for SPH-4B®*, SPH-5®* .... P/N 11-10928 ... **$66.75**
20050 SoftSeal® Ear Cushions (¾") For Plastic Ear Cups In SPH-4®* and HGU (Sonex) Helmets .... P/N 11-08681 ... **$63.75**

OREGON AERO® SOFTSKIN® EAR SEAL COVERS -
Keep your ears even drier and cooler and add to product life by slipping SoftSkin® Ear Seal Covers over SoftSeal® Ear Cushions. Self-wicking reduces perspiration buildup. Especially helpful in hot, humid climates. They fit loose, not tight like a drum (this is important because tight cloth covers produce pressure on the ear, causing pain).

29118 SoftSkin® Ear Seal Covers (1 1/8") for David Clark and David Clark Clones .... P/N 11-10930 ... **$15.50**
29034 SoftSkin® Ear Seal Covers for 3/4" SoftSeal® Ear Cushions .... P/N 11-10929 ... **$14.60**

OREGON AERO® HUSHKIT® PASSIVE EAR CUP NOISE ATTENUATION KIT -
Testing shows the HushKit® Passive Ear Cup Noise Attenuation Kit performs better than ANR headsets in the 700-7000Hz mid-range where hearing loss Dramatically improves noise attenuation and intelligibility.

92005 HushKit® Passive Ear Cup Noise Attenuation Kit for David Clark and David Clark Clones .... P/N 11-10934 ... **$39.95**
92056 HushKit® Passive Ear Cup Noise Attenuation Kit for HGU-56 Helmets .... P/N 11-06312 ... **$39.95**
92050 HushKit® Passive Ear Cup Noise Attenuation Kit for SPH-4®, SPH-4B® , SPH-5® or HGU (Sonex) helmets. P/N 11-06311 ... **$38.80**

OREGON AERO® SOFTSEAL/HUSHKIT® COMBO -
An ear seal and insulation kit in one — one giant shock absorber. Replaces triangular leather earpad or upgrades plastic Ear Cup. Eliminates pain.

28734 SoftSeal/HushKit® Combo for Telex 750 and 850 (¾" thick) .... P/N 11-10918 ... **$75.75**
28034 SoftSeal/HushKit® Combo for HGU Civilian Helmets (¾" thick) .... P/N 11-08682 ... **$96.99**
28118 SoftSeal/HushKit® Combo for HGU Civilian Helmets (1 1/8" thick) .... P/N 11-08684 ... **$96.99**

HEADSET MICMUFF™ MICROPHONE COVERS

Eliminates cockpit noise from radios and intercom. Greatly improves intelligibility. MicMuff™ functions as an acoustic baffle and must be used on all headsets installed in the communications system. Adaptable to all mics, electret or dynamic. Doesn't blow away.

Amplified Dynamic MicMuff Mic Cover ....P/N 11-10937 ... **$18.65**
Electret MicMuff Mic Cover ....P/N 11-10938 ... **$18.50**
Military Dynamic (M-87) MicMuff Mic Cover .....P/N 11-10939 ... **$18.50**

EVERY HEADSET MICROPHONE USED IN AN INTERCOM SYSTEM MUST HAVE THE MICMUFF INSTALLED IN ORDER FOR THE MICMUFF TO BE EFFECTIVE! THE ONLY EXCEPTION IS PUSH-TO-TALK INTERCOM SYSTEMS.

OREGON AERO® COMPLETE HEADSET UPGRADE KITS

The Worlds Greatest Headset Is the One You Already Own!®
With an Oregon Aero Upgrade!®
For best results and best value, we recommend the complete Headset Upgrade Kit which includes all necessary components custom-designed for these headset types.

FOR BOSE® AVIATION HEADSET X™* & BOSE® A20™

83006BX -
Includes: SoftSkin® Ear Seal Covers, MicMuff® Microphone Cover, SoftTop® Headset Cushion , SoftSeal® Ear Cushions
PN 11-06309............................**$126.85**

MILITARY HEADSET UPGRADE KIT FOR DAVID CLARK TYPE HEADSETS -

Electret mic: 83006E.
Dynamic Military Mic: #83006DM
Includes: SoftSkin® Ear Seal Covers, MicMuff® Microphone Cover, HushKit® Passive Ear Cup Noise Attenuation Kit, SoftSeal® Ear Cushions, SoftTop® Ear Cushions....................... PN 11-06310..............**$164.90**
David Clark H10-76 .... P/N 11-07808.............**$164.90**

J-HOOK HEADSET HANGER

The J-Hook Aviation Headset Hanger is designed to be installed on one of the tube crossmembers in the cockpit of aircraft with exposed tubing upon which to hang your headsets when not in flight. These types of aircraft include Huskies, Cubs, Citabrias, etc. Machined from 6061-T6 aluminum with stainless steel hardware for a lifetime of service. Mounts on 3/4" or 7/8" tubing
J-Hook Headset Hanger 3/4".....................P/N 11-02409 ....**$39.85**
J-Hook Headset Hanger 7/8".....................P/N 11-02410 ....**$39.85**

HEADSET HANGER

• Hang your headset out of the way in a handy fold down bracket. • Secure headset with hold down hook & loop strap. • Headset Hanger - folds neatly out of the way when not in use. • Strong extruded aluminum - black finish • Mount with 2 screws • Made in USA
P/N 11-08615 ....**$34.85**

UNIVERSAL AVIATION HEADSET HANGAR

Sometimes it is the simple things that provide the most utility. This inexpensive product is designed to provide a safe secure storage solution for aviation headsets inside the aircraft. No longer will you have to throw your expensive headset on the glare shield, the seat, or hang it on the control wheels. This easy to install device gets the headset up and out of the way so that it is easier to get into and out of the cockpit without fighting loose headsets.

Black .... P/N 11-09312 .... **$19.95**
Gray .... P/N 11-14417 .... **$19.95**
Tan....................................... P/N 11-14419 .... **$19.95**
Hangar Mounting Kit .... P/N 11-14421 .... **$9.95**
1" Mounting Screw .... P/N 11-14423 .... **$3.25**

SHEEPSKIN HEADSET PAD

Universal Sheepskin Pad for Headsets
P/N 13-12358................**$19.95**

HEADSET CUSHION

For headsets with single 5/8" wide headband springs (Aviall, David Clark, etc.) and Telex ProAir 2000E and ANR-type headsets. Eliminates top-of-the-head pressure.
P/N 11-02858............................ **$13.50**

ASA HEADSET HEADPAD

Soft, padded, microfiber fleece cover is a great way to increase comfort and bring new life to an old headset. The Headset Head Pad fits ASA headsets as well as most other models. It is designed to fit spring steel headbands up to 5/8" wide. Instructions are included.
P/N 13-16431................**$16.65**

LIQUID FOAM EAR SEALS

Replacement ear seals for DC40 style headsets. Great comfortable replacement ear seals with foam and liquid interior.
P/N 11-02737 ....**$19.70**

AV

PLUGS – JACKS – ADAPTERS

PLUGS & PANEL JACKS

PLUGS - Made to specification MIL-P-642A. Molded, cord mounting type. Screw-on shell.

Headphone Stereo Plug 3-Circuit SWC 260 Takes SWL-12B mating jack P/N 11-08308..........**$9.50**
Headphone Mono Plug, 2-Circuit PJ-055B Takes JJ-034 mating jack P/N 11-04065........**$12.99**
Microphone Plug, 3-Circuit PJ-068 Takes JJ-033 mating jack P/N 11-03918........**$22.85**

PANEL JACKS - Contact springs are of special alloys for long life. Insulation is high dielectric strength phenolic. Tinned terminal lugs for easy soldering. Short frame. Mounts by 3/8-32 threaded bushing and nut. Open circuit until plug inserted.

11-04936
11-03907
11-05995

Stereo Headphone Jack, 3-Circuit SWC-12B P/N 11-04936..........**$2.95**
Mono Headphone Jack, 2-Circuit JJ-034....... P/N 11-03907..........**$2.85**
Microphone Jack, 3-Circuit JJ-033................. P/N 11-05995..........**$4.35**
Insulated Flat Washer (SWC S1028) Tan...... P/N 04-00975....**$0.32 ea.**
Insulated Flat Washer (SWC S1029) Black ... P/N 04-00976 ...**$0.79 ea.**
Mini Stereo Jack 1/8" diameter .... P/N 11-09332 ....**$3.35**
Mini Stereo Plug 1/8" diameter...................... P/N 11-09333 ....**$3.35**

U-61/U JACK – (MIL-C22442/4-1) (NSN 5935-00-689-6052) Mates with U-75/U. P/N 11-00696 .... **$47.50**

U-172/U MICROPHONE JACK –(NSN 5935-00-665-7599), Mates w/U-173/U, PJ-292, or MP-101. 2-conductor jack w/nickel-plated beryllium copper contacts assembled into nylon body. P/N 11-00697 .... **$3.50**

U-75/U PLUG – (MIL-C-22442/5-1) Mates with U-61/U. P/N 11-00698 .... **$35.50**

4-CONDUCTOR PLUG – (TP-120, U-174/U, U-93A/U, MIL-C9177/1B) (NSN 5935-00-642-0626) Mates with U-92/U, TJ-120 & TJ-102. Jack, and TJ-101 Jack. 1-piece nickel plated brass contacts are integrally molded into plastic body. P/N 11-00699 .... **$13.50**

2-PIN MICROPHONE PLUG - (U-173/U, MP-101) (NSN 5935-00-888-5351) Mates with U-172/U, U-179/U, MP-101, & JJ-055. Nickel-plated beryllium copper contacts assemble into nylon body. P/N 11-00701 .... **$1.85**

.206" COMMERCIAL MIC PLUG – (S-267) (PJ-068) Mates w/JJ-033, S-12B, CES830. Black plastic handle with .206" dia. chrome plug. 3 conductors. solder plug and cable clamp. P/N 11-00702 .... **$6.95**

.25" COMMERCIAL MONO PHONE PLUG – (S-250) Mono (PJ055B) Mates w/JJ-034, CE80. Black plastic handle w/ .25" dia. chrome plug. 2 conductors. solder plug & cable clamp. P/N 11-00703 .... **$2.45**

.25" COMMERCIAL STEREO PHONE PLUG – (S-250; PJ055B) Mates with JJ-034 or CE80. Black plastic handle with .25" dia. chrome plug. 3 conductor. solder plug & cable clamp. P/N 11-00704 .... **$2.35**
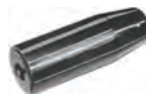
1/8" STEREO PLUG (3.5MM)– Black plastic handle w/ solder terminals & cable clamp. P/N 11-00705 .... **$2.25**

U174/U PLUG TP-101 - Mates with NEXUS Series TJ-120and TJ-102 jacks and jack TJ-101. One piece monel contacts integrally molded into glass filled nylon plastic. P/N 11-09335 .... **$33.50**

FRONT MOUNT JACK TJT-120 - Mates with NEXUS Series TP-120 plugs and plugs TP-101 and TP-102. Same material and construction as the TJ-120. Jack housing is threaded for front mounting by screwing into threaded mounting hole or by inserting into front of panel and securing with nut and lockwasher from behind. P/N 11-09334 .... **$12.80**

FOUR CONDUCTOR PHONE JACK

(TJ-101) Mates with series TP-120, TP-102 plugs and plugs PT-101, U-93-A/U, and U-174/U. Nickel Plated beryllium copper contacts molded into a black plastic body. ....P/N 11-02744 ....**$21.85**

FIVE CONDUCTOR PHONE JACK

(TJ-105, U385/U, M64/22-01) Mates with series TP-105, U-384/U, M642/14-01. Nickel plated beryllium copper contacts molded into a red plastic body. P/N 11-02745 ....**$39.85**

AUDIO GOLD PLUG ADAPTERS

JB-11LDS
JB-11DLS
JB-11LDM
JB-11DLM

JB-11LDS - 1/8" stereo to .25 stereo plug, increases a 3.5mm plug to a .25" stereo plug. ....P/N 11-02746 .... **$3.45**

JB-11LDM - 1/8" mono to .25 stereo plug, increases a 3.5mm plug to a .25" mono plug. ....P/N 11-02747 .... **$3.60**

JB-11DLS - .25" stereo to 1/8" stereo plug, decreases a .25" plug to a 3.5mm stereo plug......................................P/N 11-02740 .... **$3.60**

JB-11DLM - .25" mono to 1/8" stereo plug,decreases a .25" plug to a 3.5mm mono plug..P/N 11-02741 .... **$3.60**

FIVE CONDUCTOR PHONE PLUG

(U-384/U, TP-105, M642/14-01) Mates with series TJ-105 and TJ-125. One piece monel contacts integrally molded into red plastic body. P/N 11-02742 ....**$37.75**

CABLE JUNCTION BOX

This product allows you to convert two cables into one. Size: 1.5" x 1" x .5"). Comes with 4 screws. P/N 11-02743 ....**$4.85**

IPOD/MP3 ADAPTER

This adapter can be used to connect your IPOD or MP3 player directly into your intercom system. It comes in a 5' length............................P/N 11-03510 ....**$30.90**

BOSE A20 (6-PIN) HEADSET TO GA ADAPTER

Model: PA-89/A20. Converts your 6-pin connector to a dual GA plug. Adapter measures approximately 21" P/N 11-09422 ....**$52.75**

BOSE A20 (6-PIN) HEADSET TO HELICOPTER ADAPTER

Model: PA-89H/A20 Converts your 6-pin connector to a single helicopter plug. Adapter measures approximately 21" ....P/N 11-09423 ....**$64.75**

NFLIGHTCAM HELICOPTER TO GA ADAPTER 602

P/N 11-14809 ....**$34.99**

NFLIGHTCAM DUAL HELICOPTER MIL ADAPTER 611

P/N 11-14810 ....**$69.99**

AV

Prices Subject to Change Without Notice

MIC & PHONE JACK HOUSINGS

SINGLE HOLE BLACK ALUMINUM HOUSING - Single-hole aluminum housing for single cord headset jacks (Nexus Jack TJT-120).

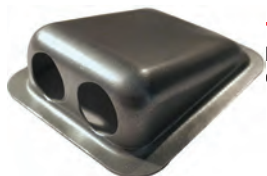| Description	Part No.	Price
Single Hole Black	11-09989	$17.95
Single Hole Beige	11-09990	$22.70
Single Hole Aluminum	11-09991	$22.70

SINGLE HOLE MIC & PHONE JACK HOUSING - HOUSING - (1) hole surface mounted. For mic or phone jack. Hole diameter .375 with key. Mount with 4 small screws on outer flang.
P/N 11-10747 ....**$16.75**

2 HOLE SURFACE MOUNTED MIC & PHONE JACK HOUSING - Mounts flush to any flat surface. Heat-treated aluminum with a powder coat finish. Jacks not included. (See electrical section).

Description	Part No.	Price
Surface Mount, Black	10-01595	$18.65
Surface Mount, Beige	11-01120	$17.95
Surface Mount, Aluminum	11-01130	$17.95

TWO HOLE ALUMINUM HOUSING - Two-hole aluminum housing (no paint) for single cord headset jacks / Nexus Jack TJT-120.

Description	Part No.	Price
Aluminum no Paint	11-09994	$21.75
Black	11-09992	$21.65
Two Hole Aluminum	11-09993	$21.65

2 HOLE RECESSED MIC & PHONE JACK HOUSINGS - Powder coat finish. Comes with a clamp to hold housing securely in place. Jacks not included. Size: 3.0" x 3.75" x 1".

Description	Part No.	Price
Recessed Mount, Black	11-01140	$23.85
Recessed Flush Mount, Beige	11-01150	$23.85
Recessed Flush Mount, Aluminum	11-01160	$22.85

4 HOLE SURFACE MOUNTED MIC & PHONE JACK HOUSING - If panel space is scarce or you'd prefer to locate your headphone jacks in a more convenient spot, this housing is perfect. Mounts flush to any flat surface. Heat-treated aluminum with a powder coat finish. Jacks not included. (See electrical section). **Housing only!**

Description	Part No.	Price
Black wrinkle finish	11-01195	$21.75
Tan wrinkle finish (Pictured)	11-00365	$21.65
Aluminum (unpainted with holes)	11-00366	$21.75
Aluminum (unpainted NO holes)	11-00367	$17.85

4 HOLE RECESSED MIC & PHONE JACK HOUSINGS - Modified to allow plugs to enter from the opposite side, being recessed they are out of the way. When jacks are plugged in they are flush with the edge of the housing. Made of aluminum, with a powder coat finish. Comes bagged with housing, clamp, mounting screw. Dims: 4"W x 5"L x 1.06"H; Cutout req.: 3.25"W x 4.43"L

Description	Part No.	Price
Black wrinkle finish	11-01939	$27.85
Tan wrinkle finish	11-01940	$28.75
Aluminum (unpainted with holes)	11-01941	$28.75

4 HOLE NEXUS FRONT MOUNT JACK HOUSINGS - Housing- (4) hole .687 dia. surface mounted for nexus jack #TJT-120

Description	Part No.	Price
Black	11-11527	$27.85
Beige	11-11528	$28.75
Aluminum	11-11529	$28.75

MIC / PHONE JACK MOUNTING BRACKET

Mic & Phone Jack Bracket 90 degree under the dash. Also for switches, fuses etc. . A sturdy and attractive mount, sides are formed to hide wires, .063 thick heat-treated aluminum. Black wrinkle powder coat finish. Five styles to choose from for most any installation. Easily installed.

MIC OR PHONE JACK MOUNT 1 HOLE - 1) Hole for either Mic or Phone Mounting Bracket Dimensions- 1.5w x 1.5h x 1.0 deep. Black wrinkle powder coat finish. P/N 11-01170 ....**$12.95**

MIC OR PHONE JACK MOUNT 2 HOLE - (2) Hole Mic & Phone Mounting Bracket Dimensions- 2.3w x 1.5h x 1.0 deep. Black wrinkle powder coat finish
P/N 11-01180......................**$13.80**

MIC OR PHONE JACK MOUNT VERTICAL 4 HOLE - Bracket- (4) Hole Vertical for Mic & Phone Dimensions- 2.3w x 2.5h x 1.0 deep.
P/N 11-01190......................**$14.75**

MIC OR PHONE JACK MOUNT HORIZONTAL 4 HOLE - Bracket- (4) hole horizontal for either Mic or Phone Dimensions- 4.5w x 1.5h x 1.0 deep.
P/N 11-01942......................**$14.95**

MOUNTINGS FOR BOSE LEMO HOUSINGS

Metal housing available in raw Aluminum, Black or Beige. Designed to be utilized with the BOSE 6 Pin Lemo Jack #323172-0010. Can mount with (4) small screws on outer flange. Dimensions: W2.9" x L3.56" x H1.06". Weight: 22 grams. Note: Hardware not included.

Description	Part No.	Price
Surface Mounted Housing 1 Hole LEMO Aluminum	11-16194	$20.80
Surface Mounted Housing 1 Hole LEMO Black	11-16196	$19.85
Surface Mounted Housing 1 Hole LEMO Beige	11-16197	$20.80
Surface Mounted Housing 2 Hole LEMO Aluminum	11-16201	$20.80
Surface Mounted Housing 2 Hole LEMO Black	11-16202	$20.80
Surface Mounted Housing 2 Hole LEMO Beige	11-16203	$20.80
Recessed Mounted Housing 1 Hole LEMO Aluminum	11-16198	$27.85
Recessed Mounted Housing 1 Hole LEMO Black	11-16199	$27.85
Recessed Mounted Housing 1 Hole LEMO Beige	11-16200	$27.85
Recessed Mounted Housing 2 Hole LEMO Aluminum	11-16204	$27.85
Recessed Mounted Housing 2 Hole LEMO Black	11-16209	$27.85
Recessed Mounted Housing 2 Hole LEMO Beige	11-16210	$27.85

AV

HEADSET EXTENSIONS

HEADPHONE EXTENSION – This heavy duty extension allows a .25" phone jack to be extended by 5ft. Great for customizing an aircraft with rear passenger headphone (listen only) capabilities.
P/N 11-10620 ....**$23.85**

HEADSET EXTENSION – This heavy duty extension allows a general aviation headset using PJ-068 & PJ-055B or equivalent plugs to be extended by 5ft. Ideal when aircraft radio or intercom does not allow headset cords to reach comfortably.
P/N 11-10640 ....**$51.75**

MICROPHONE EXTENSION – This heavy duty extension allows a .206" mic jack to be extended by 5ft. Great for customizing an aircraft with rear passenger microphone jacks. ....P/N 11-10625 ....**$24.50**

HELICOPTER HEADSET EXTENSION – Extends a headset that uses a U-174/U, U-93A/U or equivalent plug. 5 ft. in length. ......P/N 11-00688 ....**$48.95**

U-75/U EXTENSION – Extends a headset which uses U-75/U plug 5 ft. in length.
P/N 11-00689 ....**$104.95**

"Y" ADAPTERS

DUAL HEADSET Y ADAPTER – This heavy duty adapter converts one .25" phone jack into two. Perfect for those who want to connect two headphones to one a/c radio headphone jack. Can be used with stereo or mono headphones and jacks. Length: 2 ft...................P/N 11-10610 ....**$26.50**

DOUBLE HEADSET Y ADAPTER – This heavy duty adapter converts one set of a/c radio panel jacks, (.206" mic and .25" phone) into two sets. Can be used with any general aviation headset using PJ-068 & PJ-055B or equivalent plugs.
P/N 11-10635 ....**$69.85**

DUAL MICROPHONE Y ADAPTER – This heavy duty adapter converts one .206" aircraft radio microphone jack into two. Perfect for those who want to add another push-to-talk position to the radio. Length: 2 ft...................P/N 11-10615 ....**$34.50**

TRIPLE HEADSET ADAPTER – This high quality adapter converts a set of radio or intercom mic and phone jacks into 3 sets. Sets are one, three and five feet respectively. Great for adding a pair of headset to the back of the aircraft without requiring major installation. ....P/N 11-00680 ....**$86.75**

DUAL HELICOPTER Y HEADSET ADAPTER – This adapter allow a single helicopter radio or intercom jack (TJ-120, TJT-120, TJT-102) to be used by two headsets. Length: 1 ft. Great for adding an additional space for headset without costly installation.
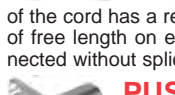P/N 11-00681 ....**$65.75**

DIGITAL AUDIO RECORDER ADAPTER FOR GA HEADSETS - This product allows you to interface your Digital Audio/Video Recorder with the aircraft intercom system. Great for creating your own aerial videos without excess cabin noise. Works with devices that use a 3.5mm Stereo External Mic Input like GoPro HD Video Cameras and Digital Voice Recorders. ....P/N 11-10486 ....**$34.95**

24 CONDUCTOR COIL CORD - This coil cord incorporates 24 individual 22-gauge wires, which is the minimum gauge required to connect typical PTT, Autopilot Disconnect, Map Light, Trim and other control wheel-mounted switches. The coiled section of the cord has a retracted length of 6 inches and a generous 18 inches of free length on either end, allowing electrical components to be connected without splicing additional wire........P/N 11-09937 .... **$249.00**

PUSH TO TALK SWITCH HOUSINGS
HOUSING FOR MICROMINI MOMENTARY SWITCH
P/N 11-07342 ....**$113.95**

CX-2556/U CABLE (U-229/U TO U-94A/U CONNECTOR)
4 foot extension cable. The U-229/U is the military standard audio connector. Has a U-94A/U connector on the other end with a push to talk switch built in. P/N 11-09134 ....**$92.95**

AIRCRAFT/HELICOPTER CONVERSION ADAPTERS

.206" JACK Y ADAPTER – This adapter converts a headset with a single .206" plug into one with 2 (standard .206" mic & .25" phone plugs). Length: 9"
P/N 11-00682 ....**$34.65**

.25" JACK Y ADAPTER – This adapter converts a headset with a single .25" plug into 1 with 2 (standard .206" mic & .25" phone plugs). Length: 9"
P/N 11-00683 ....**$35.50**

.206" PLUG Y ADAPTER – This adapter converts a headset w/ dual .206" mic & .25" phone plugs into one plug (.206') headset. Length: 9"
P/N 11-00684 ....**$34.85**

.25" PLUG Y ADAPTER – This adapter converts a headset w/ dual .206" mic & .25" phone plugs into one plug (.25") headset. Length: 9"
P/N 11-00685 ....**$28.95**

STANDARD (MIC/PHONE) TO HELICOPTER ADAPTER
This adapter converts a G.A. headset that has both mic and phone plug into one that uses a helicopter (U-174U, U-93A/U or equiv.) plug. Length: 9"
P/N 11-10630 ....**$34.95**

HELICOPTER TO STANDARD (MIC/PHONE) ADAPTER
This adapter converts a helicopter (U-174U or U-93A/U) headset that has one plug into a G.A. headset that has both mic and phone plug.
Length: 9".....................P/N 11-10650 ....**$34.95**

U-75/U HEADSET CONVERTER ADAPTER
This adapter converts a headset which has a U-174/U, U-93A/U or equivalent type plug into one which uses a U-75/U plug. Length: 9".P/N 11-00687 ....**$76.75**

U-75/U HEADSET CONVERTER ADAPTER
This adapter converts a headset which has a .206" mic and .25" phone plug into one which uses a U-75/U plug. Length: 9"..............P/N 11-00690 ....**$77.75**

U-75/U TO STANDARD PLUGS CONVERTER
This adapter converts a headset which has a U-75/U or equivalent plug into a standard .206" mic & .25" phone plug. Length: 9".P/N 11-00691 ....**$76.75**
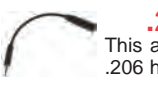
CRAZED PILOT MILITARY HELICOPTER IMPEDANCE CONVERTER ADAPTER LOW (MIL) TO HI (GA) AIRCRAFT
P/N 11-16635 ....**$69.95**

CRAZED PILOT MILITARY IMPEDANCE CONVERTER ADAPTER LOW (MIL) TO HI (GA) AIRCRAFT
P/N 11-16634 ....**$61.75**

.25" HEADSET PLUG REDUCER
This adapter reduces a single .25 headset plug to a single .206 headset plug. 5" in length.(JB-34)
P/N 11-02748 ....**$24.50**
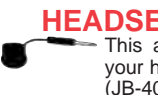
.206 MICROPHONE PLUG REDUCER
This adapter reduces a single .206 microphone plug to a 3.5mm mini plug. 5" in length.(JB-35)
P/N 11-02749 ....**$25.50**

HEADSET TAPE RECORDER ADAPTER
This adapter allows you to record conversations through your headset into a portable tape recorder.
(JB-40) ....P/N 11-02750 ....**$15.75**

SPECIALTY ADAPTERS/ IMPEDANCE CONVERTERS

VIDEO RECORDER ADAPTER GA/HELICOPTER – This product allow you to interface your video recorder with the aircraft intercom system. Great for creating your own aerial videos without excess cabin noise. Records sounds transmitted through the intercom system only.
Standard Version...P/N 11-00692.......**$33.75**
Helicopter Version ....P/N 11-00693.......**$41.65**

GENERAL AVIATION MUSIC PLAYER ADAPTER – This product allows you to input a music device (iPod, MP3 player, CD player, Garmin with XM radio, etc.) directly in to your GA (Dual plug) headset. This will allow music to be heard only through the individual headset it is connected to rather than through the entire intercom system. ....P/N 11-00694.......**$31.95**

LOW TO HIGH IMPEDANCE ADAPTER – This adapter converts a low impedance mic & military headset into higher impedance for use in general aviation aircraft.
Standard Version ....P/N 11-10645 ... **$69.85**

Prices Subject to Change Without Notice

PILOT USA ADAPTERS

Description	Part No.	Price
PA-50 Push-to-talk use with or without Intercom	11-07712	$19.95
PA-70S Headphone Extension (5ft)	11-06517	$21.75
PA-71 Microphone Extension (5ft)	11-10625	$24.50
PA-72S Dual Headset Adapter	11-06518	$47.95
PA-72H Dual Helicopter Headset Adapter	11-03562	$59.95
PA-73S Dual Headphone Y Adapter	11-06519	$26.50
PA-74 Dual Microphone Y Adapter	11-10615	$34.50
PA-75 Helicopter to GA headset Adapter	11-10650	$34.95
PA-76 GA to Helicopter Headset Adapter	11-10630	$34.95
PA-77S Headset Extension (2 Jacks, 2 Plugs)	11-06520	$44.95
PA-77H Helicopter Headset Extension (5ft)	11-00688	$48.95
PA-78 Mono Replacement Headset Cable (Chrome Plugs)	11-03563	$49.95
PA-79 Mono/Stereo Replacement Headset Cable (Chrome Plugs)	11-03564	$35.95
PA-79DNC M/S Headset Cable: For use with PA-1779, PA-1776, PA-2	11-06521	$49.95
PA-80S General Aviation Music Player Adapter	11-00694	$31.95
PA-80H Music Adapter For Helicopter / Military Headset	11-03565	$47.95
PA-81 Airbus Aircraft Headset Adapter	11-03566	$39.95
PA-82 Headset Adapter for ICOM A22,A24 Transceiver	11-02116	$36.50
PA-82.4 Headset Adapter for ICOM A4 Transceiver	11-03567	$39.90
PA-82B Bose Headset Adapter for IC-A6, A22,A24	11-06523	$69.95
PA-82H Helicopter Headset Adapter for IC-A6, A22,A24	11-06524	$55.95
PA-83 Europe NATO to US NATO Headset Adapter	11-06525	$75.95
PA-84 US NATO to Europe NATO Headset Adapter	11-06526	$75.95
PA-85 Dual GA To Icom A5, A23 Adapter & PTT Input	11-00618	$42.50
PA-82/A25 Dual GA Headset To Icom A25 Adapter	11-17165	$54.63
PA-86A Amplified Cell Phone Adapter GA (Twin Plug) Version	11-03568	$99.95
PA-86AH Amplified Cell phone Adapter - Helicopter Version	11-06527	$114.75
PA-86AB Amplified Cell phone Adapter (Panel Power) BOSE	11-06528	$129.95
PA-87 Impedance Converter Hi (GA) to low Military	11-06529	$49.85
PA-87H Impedance Converter Hi (Heli) to low Military	11-06530	$63.95
PA-88 Amplified Impedance Converter low (MIL) to Hi (GA)	11-10645	$69.85
PA-88H Impedance Converter Low (MIL) to Hi (Helicopter)	11-06531	$78.95
PA-89B Panel Power 6 Pin Lemo to Dual Plug GA Headset Adapter	11-03570	$69.85
PA89/A20 Bose A20(6-Pin) to GA Adapter	11-09422	$52.75
PA89H/A20 Bose A20(6-Pin) to Helicopter Adapter	11-09423	$64.75
PA89A/A20 Bose A20(6-Pin) to Airbus XLR Adapter	11-09997	$64.95
PA89BH Bose X panel Powered to Helicopter Adapter	11-09996	$78.95
PA-90S Triple Headset Adapter	11-03571	$67.95
PA-91 GA (Twin Plug) Headset to (.25") Single Plug Adapter	11-00685	$28.95
PA-92 (.25") Single Plug Headset to GA (Twin Plug) Adapter	11-03572	$28.95
PA-93B GA to Bose Plug Headset Adapter	11-06533	$59.95
PA-93BH Helicopter Headset to Bose Plug Adapter	11-06602	$72.95
PA-94 Helicopter Ground Crew Extension Cable W/PTT (3ft.)	11-06534	$79.95
PA-95 Usa Dual GA to Yaesu FTA-550 / 750L / VXA 100 / 150 Adapter	11-03574	$42.95
PA-96 PC to GA (Twin Plug) Headset Adapter	11-03575	$44.95
PA-97 Airbus Plug to GA Headset Adapter	11-06535	$36.95
PA-98 Inline Helicopter Volume Control	11-06536	$55.95
PA-99 Inline GA Volume Control	11-06537	$55.95
PA-100B Oxygen Mask Microphone Adapter for Bose Plug Headset	11-06603	$92.95
GOPRO Hero 3 to Dual GA Headset Adapter	11-11565	$44.95
GOPRO Hero 3 to Lemo Headset Recording Adapter**	11-12364	$44.95
VIRB to Dual GA Headset Recording Adapter*	11-12270	$44.95
VIRB to Helicopter Headset Recording Adapter*	11-12271	$44.95
Smart Phone Digital Audio Recorder Adapter for Helicopter	11-13042	$59.95
Helicopter U-174 Headset Recording Adapter For Gopro Hero 5	11-15227	$105.75
Dual Ga Headset Recording Adapter For Gopro Hero 5	11-15226	$93.75
Helicopter Bose 6 Pin Lemo Headset Recording Adapter For Gopro Hero 5	11-15228	$112.75
Dual Ga Mono Stereo Extension Cable 5ft	11-06520	$44.95
Dual Ga Mono Stereo Extension Cable 10ft	11-15525	$68.85
Dual Ga Mono Stereo Extension Cable 20ft	11-15526	$99.95
Dual Ga Mono Stereo Extension Cable 25ft	11-15527	$118.00

**Will not work with Garmin VIRB or VIRN Elite
* Will not work with GOPRO Hero 3 Camera.
See www.aircraftspruce.com for our Pilot USA Adapter Wizard. A quick way to find the right adapter for you!

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SIGTRONICS ADAPTER CABLES

Description	Part No.	Price	Description	Part No.	Price
PTT Switch intercom use with intercom	11-02806	$24.85	Headset Ext 3-6' Coiled (Helicopters Version)	900055	$44.50
Headphone Replace. Cable Stereo 5'	800029	$15.75	Microphone Y Adapter	900056	$36.95
Headphone Replace. 3-6' Coil Mono	800034	$20.95	Headphone Monaural Y Adapter	900057	$27.95
Headphone Replace. Coil 3-6' Stereo	800035	$24.25	Headphone Stereo Y Adapter	900058	$39.50
Mono Headphone 5' Cord	800037	$9.95	Headphone 5' Straight Monaural	900059	$18.95
M-80 Electret Microphone	800082	$62.75	Microphone Extension Cable	900060	$22.50
Converter STD Aviation Plug	900050	$33.85	Headphone 5' Straight Stereo	900061	$22.50
Converter Plug-STD Aviation	900051	$32.75	Converter Plug to STD Avi Plug	900062	$69.95
Converter Plug-STD Avia-Coiled	900052	$45.25	Convert U-75U to U174 Plug 18"	900063	$70.25
Headset 5' Straight Monaural	900053	$30.50	Convert STD Plug to U-75U	900064	$69.95
Headset 3-6' Coiled Monaural (GA Version)	900054	$42.50	Converter to U-75 Plug 18"	900065	$70.25