<div style="background:green">Conventional Radio
Options Only Apply</div>

ASTRO® Digital XTS 5000 Portable Series
700/800 MHz Band
SMARTNET® "Handie-Talkie™" Radio
Conventional/ Secure/ Trunked Radio Systems

Features

All ASTRO Digital XTS 5000 packaged models include the following hardware features:

- 3 Programmable Side Buttons

- Orange Emergency Button

- Illuminated 16 Position Mode Rotary Select Switch

- Angled On/Off Volume

- Low Battery Alert Tone

- Antenna (Band split and Type Dependent on Band Option)

- Smart Battery Technology

- Noise Reduction Software

- 1 Top Mounted Programmable Two Position Concentric Switch

- 1 Top Mounted Programmable Three Position Toggle Switch

- Weather Sealed Universal Connector

- Bi-Color LED Indicator

- Smart NiCad Battery

- Detachable Belt Clip

- ASTRO 25

- Audio Gain Control

ASTRO
Digital XTS 5000 Model III also include:

- Full Keypad for Private Call

- 6 Lines Alphanumeric Display

- Date and Time Stamp

- Keypad Tone Mute

- Large Navigational Keypad

- Real Time Clock

All ASTRO Digital XTS 5000 Portables are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades (contingent upon remaining within the same RF deck.)

General Information

The ASTRO Digital XTS 5000 Portable Line offers three different radio hardware models:

Hardware Model	Modes	Alphanumeric Display	Keypad	Navigation Pad
		Lines/Characters		
		Per Line		
ASTRO XTS 5000 Model I	48	None	None	No
ASTRO XTS 5000 Model II	512	6/12/front mount	3 x 2	Yes
ASTRO XTS 5000 Model III	512	6/12/front mount	3 x 6	Yes

Operating Modes

ASTRO Digital XTS 5000 Radio Models are capable of operating in three different voice communication modes:

- Normal Analog
- 3.6KB ASTRO Digital (both clear
- 9.6KB ASTRO 25 Digital (both clear

(clear voice)   and coded voice)   and coded voice)

The mode of operation is programmed on a channel-by-channel basis. With the coded/clear switch set to the clear mode, the ASTRO Digital XTS 5000 radio is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. With the coded/clear switch set to the coded mode, the ASTRO Digital XTS 5000 radio will transmit ASTRO Digital Encryption depending on the channel programming. ASTRO digital encryption provides communications security. ASTRO Digital Encryption (operating in encrypted mode while also operating in the 3.6KB or 9.6 KB ASTRO mode) is capable of XL type encryptions; ASTRO Digital Encryption Does not operate with non-XL encryptions.

An Encryption Option is not required for either clear analog operation or clear ASTRO digital operation. Encryption can be ordered with the ASTRO Digital XTS 5000 radio either as a factory installed option or separate from the radio for later field installation. ASTRO Digital XTS 5000 radio functions include selected ASTRO digital signaling and digital speech coding.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the ASTRO Digital XTS5000 Portable Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

FLASHport AFTERMARKET UPGRADES

The ASTRO Digital XTS 5000 Portable Series Radios are part of the FLASHport Program. This means that ASTRO Digital XTS 5000 hardware models can be loaded with different software packages that provide the features and functionalities that your customers require. Three different hardware models are available in each band split.

System Enhancement Options can be loaded at the time of radio purchase or at a later date through the use of software field upgrades (a RS232 cable or USB cable are required for all software upgrades.) The ASTRO Digital XTS 5000 portable can be upgraded electronically in the field with new features in the current system or to new systems operation (contingent upon remaining within the same RF sub-band) by ordering upgrade kits.

Ordering Requirements

Ordering procedure is as follows...

1	**H18UCH9PW N**	**ASTRO XTS 5000 Portable**
1A	**Q806**	**Digital Operation**
1B	**H38**	**SmartZone® Operation**
1C	**ETC**	

1. Order the ASTRO Digital XTS 5000 Portable Series as the main line item (H18UCH9PW7_N).
2. Each hardware model MUST be ordered with one Operating Mode. One Operating Mode for each radio unit ordered. Choose between Analog or Digital Operation.
3. Each Hardware model MUST be ordered with one System Software Package. One System Software Package for each radio unit ordered.
    o The matrix below list available radio wide, conventional features, and standard trunking features for SMARTNET(H37) and SmartZone(H38) System Packages.
    o The SmartZone features listed in the second matrix are available in the SmartZone(H38) package ONLY.
4. Select ANY desired System Enhancement Options

       o System Enhancement Options can be loaded at the time of radio purchase or at a later date through the use of software field upgrades (a RS232 cable or USB cable are required for all software upgrades.)

COMMON SOFTWARE FEATURES SUPPORTED BY			
H37 "SMARTNET"/H38 "SmartZone"			
	"Analog Operation"(Q241)	"ASTRO Digital"(Q806)	"ASTRO Digital"(H38/Q806/Q361)
	Non-Project 25	Non-Project 25	Project 25
	(3600 Baud)	(3600 Baud)	(9600 Baud)
RADIO WIDE FEATURES			
Maximum Modes			
ASTRO Digital XTS 5000 Model 1	16/48	16/48	16/48
ASTRO Digital XTS 5000 Model II & III	512	512	512
Analog and Digital Operation	-	Yes	Yes
12.5/20/25 KHz Programmable Channels	Yes	Yes	Yes
Secure Capable	No	Yes	Yes
One Touch Operation	Yes	Yes	Yes
Real Time Clock	Yes	Yes	Yes
Surveillance Mode	Yes	Yes	Yes
Keypad Lock	Yes	Yes	Yes
Radio Lock	Yes	Yes	Yes
Smart Battery	Yes	Yes	Yes
Radio Wide Transmit Inhibit	Yes	Yes	Yes
Time Out Timer	Yes	Yes	Yes
FLASHport	Yes	Yes	Yes
ANALOG CONVENTIONAL FEATURES			
Conventional Features are additional radio wide features beyond those specified above.			
CSQ/PL/DPL	Yes	Yes	Yes
Dual Priority Channel Scan	Yes	Yes	Yes
Adaptive Power Control	Yes	Yes	Yes
Repeater/Talkaround Operation	Yes	Yes	Yes
Scan (Auto, Pre-programmed, Operator Selectable)	Yes	Yes	Yes
Smart PTT	Yes	Yes	Yes
Monitor	Yes	Yes	Yes
DTMF Tone Generation	Future	Future	Future
DIGITAL CONVENTIONAL SIGNALING FEATURES			
These features are APCO Project 25 Conventional Interoperable Features when used in the ASTRO Digital CAI Mode (Q806).			
Unaddressed Voice Call	-	Yes	Yes

Talk Group Call	-	Yes	Yes
Group Call Alert™	-	Yes	Yes
Talk Group Identification (TGID)	-	Yes	Yes
Selective Call (Individual Voice Call)	-	Yes	Yes
Selective Call Decode (Individual Voice Call)	-	Yes	Yes
PTT ID (Individual Identification)	-	Yes	Yes
Call Alert Encode/Decode	-	Yes	Yes
Emergency Alarm w/Channel Revert & Ack.	-	Yes	Yes
Telephone Interconnect	-	Yes	Yes
Unlimited (Model III Only)	-	Future	Future
Selective Radio Inhibit	-	Yes	Yes
Radio Check	-	Yes	Yes
Status/Message	-	Yes	Yes
Trunking Type II Only Features			
Maximum Number of Trunked Systems-20	Yes	Yes	Yes
Talkgroup Calls	No	Yes	Yes
PTT ID (H14 option required)	No	Yes	Yes
Call Alert Encode/Decode	Yes	Yes	Yes
Dual Mode Scan	Yes	Yes	Yes
Failsoft by Talkgroup	Yes	Yes	Yes
Telephone Interconnect Encode/Decode	Yes	Yes	Yes
System Wide Call (Receive Only)	Yes	Yes	Yes
Selective Radio Inhibit	Yes	Yes	Yes
Priority Monitor Scan	Yes	Yes	Yes
Dynamic Regrouping	Yes	Yes	Yes
Status/Message	Yes	Yes	Status Only
Private/Enhanced Conversation Encode/Decode	Yes	Yes	Yes
Remote Monitor/Radio Trace	Yes	Yes	Yes
Reprogram Request	Future	Future	Future

SOFTWARE FEATURES SUPPORTED BY			
H38 "SmartZone"			
	"Analog Operation" (Q241)	"ASTRO Digital" (Q806)	"ASTRO Digital" (H37/Q806/Q361)
		Non-Project 25	Project 25
		(3600 Baud)	(9600 Baud)
Trunking Type II Only Features			
Voice on Control	Future	Future	Future
SmartZone Automatic Site Registration	Yes	Yes	Yes
SmartZone RSSI Operation	Yes	Yes	Yes

SmartZone Preferred Site	Yes	Yes	Yes
SmartZone Forced Site Search	Yes	Yes	Yes
SmartZone Site Lock/Unlock	Yes	Yes	Yes
SmartZone Adjacent Control Channel OSW	Yes	Yes	Yes
Emergency Alarm Call Receive Indication	Yes	Yes	Yes

LIMITED MDC FEATURES	
Offered in 6.3	
MDC PTT ID ENCODE/DECODE	YES
MDC Selective Radio Inhibit	Decode ONLY
MDC Call Alert	Decode ONLY
MDC Radio Check	Decode ONLY
MDC Voice Selective Call	Decode ONLY
MDC Remote Monitor	Decode ONLY
MDC Call Lists (Call Alert / Select Call)	Yes
MDC Emergency	Yes

CONVENTIONAL FACTORY PROGRAMMING

ASTRO Digital XTS 5000 portables ship without customer specific factory programming unless a programming options is specified. **Programming of the following frequencies are not allowed: 772.8000, 774.0000, 856.8000, and 864.0000 MHz**

FREQUENCY AND SQUELCH CODES

Although some models of the ASTRO Digital XTS 5000 are capable of 512 channels, the factory can accommodate the programming of only 128 continuous channels in any one radio. If the programming of more than 128 continuous channels is desired, field programming software must be used. **H477   ADD: Frequency & Squelch Data   No Charge**

ZONED OPERATION

This option converts MODE-ONLY ASTRO Digital XTS 5000 portables to Zone Operation radios. A maximum of 16 RX and TX pairs can be placed into a zone. There is a maximum of three zones (48 modes) on the "I" Model, with zone operation programmed to the programmable top mounted two-position concentric switch. There is a maximum of 16 zones (512 modes) on the "II" and "III" models, and the zones will be programmed to be selected from the keypad. The factory can only accommodate the programming of only 128 continuous channels consisting of any combination of zones and channels and minimum of 32 channels with two zones on the "II" models. **When you ordering H477, H371 must be ordered. H371   ADD: ASTRO Digital XTS 5000 Zone Operation   No Charge**

PROJECT 25 ENCRYPTION

When ordering any of the Encryption Algorithm:

- **Must** order the Encryption UCM Hardware (Q159)
  - o The DES-OFB and AES-OFB encryptions offered are compliant with digital Project 25 standards and does not support analog encryption operation.

- ○ **Requires** the ASTRO Digital CAI (Q806) to operate the DES-OFB and AES-OFB encryption.
- If ordering a Dual Encryption:
    - ○ The non-OFB encryption (XL versions) can be operated in either analog , or CAI digital mode, but will not be Project 25 compliant.
    - ○ **Requires** the Multikey (H868).
- When used in CAI mode, the non-OFB Encryption will not be Project 25 compliant.
    - ○ Encryption UCM Hardware (Q159) module may be ordered without an Encryption Algorithm for later upgrade in the field.

FIELD INSTALLED PROJECT 25 ENCRYPTION

The DES-OFB and AES-OFB encryptions offered are compliant with Project 25 standards. Operation of DES-OFB and/or AES-OFB encryption requires the ASTRO Digital CAI (Q806) option. Radios can be upgraded via FLASHport to CAI operation.

- If ordering a Dual Encryption:
    - ○ The non-OFB encryption can be operated in analog or CAI mode (only XL versions operate in either digital mode).
    - ○ **Requires** the Multikey (H869).
- When used in the CAI mode, the non-OFB encryption will not be Project 25 compliant.

FIPS 140-2 COMPLIANCE

Encryption Modules equipped with DES-OFB and/or AES-OFB are FIPS 140-2 compliant. Details regarding the certification, and copies of the relevant certificates, can be obtained on the NIST website at: Docs/1401val2003.htm.

IMPORTANT NOTE REGARDING AES OTAR: While the AES (Q15 & Q629) is validated for FIPS 140-2, the AES OTAR (Q15 with Q498 or Q629 with Q498), which is Project 25 compliant, is not validated to FIPS 140-2 since the current P25 AES OTAR standard has not been approved by NIST. Any order to Motorola for this option should not be placed without a prior determination by the Government that the requirements of FIPS 140-2 are either not applicable or have been properly waived.

FM INFORMATION

The XTS 5000 portable radio when properly equipped with options H223CC, H223RUGDCE, Q393AN, and Q393RUGDAR are Factory Mutual (FM) Approved as intrinsically safe for use in Class I, II, III, Division 1, Group C, D, E, F, and G and Nonicendive Class I, Division 2, Group A, B, C and D, when ordered without encryption modules.

The XTS 5000 portables equipped with UCM encryption modules and options H223CD, H223RUGDCF, Q393AP, and Q393RUGDAQ are FM Approved as Intrinsically Safe for use in Class I, II, III, Division 1, Group D, F, G and Nonicendive for use in Class I, Div 2, Group A, B, C, D only.

Type 1 is not offered on either the 700/800 or UHF R2 bands. XTS 5000 FM approved portable radio models installed with Type 1 encryption module (Q374 or Q400), are intrinsically safe for use in the Nonicendive, Class I, Division 2, Groups A, B, C, D, when used with Motorola FM approved battery options Q393AV and Q393RUGDAW or H223CP and H223RUGDCW.

PUBLIC SAFETY SPEAKER MICROPHONES (PSM)

The RF switch has been removed from the XTS Radio to provide cost savings on the model. Therefore, the EXTERNAL RF SWITCH must be ORDERED and then ATTACHED to the radio in order for the PSM to operate. A wrench tool must be used to place the RF switch. These kits must be ordered separately. The RF switch and microphones are FM approved.

<div style="background:green">Conventional Radio
Only Options Apply</div>

FCC Information

Band/Model	Power Output	Transmitter Type Acceptance	Emissions	Applicable Rules
700/800 MHz (764-870 MHz)	1 to 3 Watts	AZ489FT5806	11K0F3E, 16K0F3E, 8K10F1E, 8K10FID	90

ALL ITEMS REQUIRE AN EXPORT LICENSE TO BE EXPORTED FROM THE UNITED STATES/CANADA

Ç Canada personnel refer to Section A under CANADA ONLY information.

XTS 5000 Catalog Sheet

XTS Vehicular Adapter (XTVA)

Here is a link for the XTS 5000 notation. **http://www.motorola.com/cgiss/portables/xts5000.htm**. Please note the follow about the accessories.

XTS 5000 ACCESSORIES PENDING QUALITY APPROVAL. AVAILABILITY SUBJECT TO CHANGE.

Models

Description	Nomenclature	APC	Price
PORTABLE ASTRO DIGITAL XTS5000 764-870MHZ 1-3W 48 CHANNEL BASIC	H18UCC9PW5 N	721	$1,306.40
PORTABLE ASTRO DIGITAL XTS5000 764-870MHZ 1-3W 512 CHAN LIMITEDKEYPAD	H18UCF9PW6 N	721	$1,726.40
PORTABLE ASTRO DIGITAL XTS5000 764-870MHZ 1-3W 512 CHAN FULL FEATURE	H18UCH9PW7 N	721	$1,985.60

Options

Operation Mode

Description	Nomenclature	APC	Price
ENH: SOFTWARE ANALOG OPERATION	Q241	721	$0.00
MUST order Q241 or Q806. Q241 does not support encryption.			
ADD: SOFTWARE ASTRO DIGITAL CAI OPERATION	Q806	721	N/A
INCLUDES the Channel Announcement Feature			

System Enhancement Software

Description	Nomenclature	APC	Price
ADD: CONVENTIONAL SYSTEMS OPERATION SOFTWARE	H35	721	$640.00
LIMITED feature set for MDC-1200. Please see matrix for list of available features.			
ADD: SMARTNET SYSTEMS SOFTWARE	H37	721	$ N/A
ADD: SMARTZONE SYSTEM SOFTWARE	H38	721	N/A
ENH: SMARTZONE OMNILINK MULTIZONE SYSTEM SOFTWARE	Q173	721	N/A
ONLY compatible with H38 SmartZone and Q806 Digital Operation (required for 3600 baud only trunked systems.) Auto roaming Across zones, zone registration, trespass protection, over the air site alias, 32 preferred sites, FastStart and AllStart Call Set-up.			
ENH: PROJECT 25 9600 BAUD TRUNKING SOFTWARE	Q361	721	N/A
MUST order H38 & Q806, when ordering. INCLUDED at "NO Charge" Q173-OminLink.			

Conventional Radio Only Options Apply

ENH: MULTICAST VOTING SCAN	Q387	721	N/A

Systems Enhancement Options

Description	Nomenclature	APC	Price
ENH: ENHANCED DIGITAL ID DISPLAY	H14	721	$60.00
8 Numeric characters. Models II & III ONLY. Not available in trunked analog modes.			
ADD: TRUNKED RADIO TRACE AND REMOTE MONITOR	H43	721	$ 80.00
ENH: TRUNKED ONE TOUCH BUTTON STATUS MESSAGE	H46	721	$120.00
Quick feature provides access to Call Alert, Status, Message, Selective Call, or Telephone Interconnect. Telephone Interconnect applies to Model III ONLY!! ONLY VHF/UHF 3600 Trunking will be available after 6.2 software release July/03.			
ADD: FIREGROUND ACCOUNTABILITY SOFTWARE	Q445	721	$200.00
ENH: RS232 PACKET DATA INTERFACE	Q947	721	$160.00
This option is ONLY capable of being used on 9600 systems!!			

Adapter

Description	Nomenclature	APC	Price
ADD: RF ANTENNA SWITCH (NTN8327)	Q44	721	$ 8.00
The RF Switch has been removed from the XTS radio to improve water resistance. Therefore, the external RF switch must be attached to the radio in order for the PSM to operate. A wrench tool (which is not included with this adapter) must be used to place the RF switch. These kits must be ordered separately. REQUIRES ANTENNA. The RF switch and microphones are FM approved. No discount on the RF Adapter Switch if purchased separately from the radio.			

Algorithm Options

Description	Nomenclature	APC	Price
ADD: DVP-XL ENCRYPTION SOFTWARE	H797	721	$389.60
Q159 MUST BE ORDERED!! Secure Analog Trunking NOT available.			
ADD: MULTIKEY	H869	721	$264.00
Multiple encryption software packages can be ordered simultaneously. Multikey is REQUIRED when using more than one encryption algorithm or encryption key.			
ADD: AES/DES-XL/DES-OFB ENCRYPTION	Q15	320	$639.20
Q159 REQUIRED. NOT compatible with Q629 and Q625 IMPORTANT NOTE REGARDING AES OTAR: On December 16, 2003 NIST and CSE issued a joint statement accepting AES OTAR as a FIPS approved mode of operation. The AES OTAR option (Q15 with Q498 or Q629 with Q498) is now validated to FIPS 140-2 given that the current P25 AES OTAR standard has now been approved by NIST. Any order to Motorola for this option no longer needs a prior determination by the Government that the requirements of FIPS 140-2 are either not applicable or have been properly waived. Further information regarding FIPS 140-2 certification may be found using the following links: FIPS 140-2 Crypto Module Validation Program (CMVP) NIST Cryptographic Standard Validation Lists NIST Guidance on Project 25 AES-OTAR			
ADD: XTS5000 UCM HARDWARE ENCRYPTION	Q159	721	$120.00
REQUIRED for ALL Encryption Algorithm or combination of Algorithms listed on page. *DES/XL Secure Analog Trunking NOT available. **ORDER at least 1 Encryption Algorithm Option, which is REQUIRED. *AES Encryption compatible with digital operation ONLY. SUPPORTS up to 4 Algorithms.			
ADD: ADP UCM ENCRYPTION	Q406	721	$279.20
NOT AVAILABLE with 3600 Trunking and Analog Conventional software Packages. Compatible with: Q361 (P25 software package); and H35, H37, and H38 software packages ONLY when used with the Q806 CAI software in the Digital Conventional mode. INCLUDES Multikey REQUIRES Q159			
ENH: MDC & ASTRO P25 OTAR W/ MULTIKEY	Q498	721	$592.00
Q159 REQUIRED.(P25 trunking OTAR will be available 12/03). This note only applys to VHF & UHF (NOT 700/800). OTAR is NOT COMPATIBLE with TYPE 1 (Q374 or Q400). IMPORTANT NOTE REGARDING AES OTAR: On December 16, 2003 NIST and CSE issued a joint statement accepting AES OTAR as a FIPS approved mode of operation. The AES OTAR option (Q15 with Q498 or Q629 with Q498) is now validated to FIPS 140-2 given that the current P25 AES OTAR standard has now been approved by NIST. Any order to Motorola for this option no longer needs a prior determination by the Government that the requirements of FIPS 140-2 are either not applicable or have been properly waived. Further information regarding FIPS 140-2 certification may be found using the following links: FIPS 140-2 Crypto Module Validation Program (CMVP) NIST Cryptographic Standard Validation Lists NIST Guidance on Project 25 AES-OTAR			
ADD: DES, DES-XL, DES-OFB ENCRYPTION	Q625	721	$479.20
Q159 MUST BE ORDERED!!			
ADD: AES ENCRYPTION	Q629	721	$380.00

Conventional Radio Only Options Apply

Q159 REQUIRED.(P25 trunking OTAR will be available 12/03). This note only applys to VHF & UHF (NOT 700/800). OTAR is NOT COMPATIBLE with TYPE 1 (Q374 or Q400). IMPORTANT NOTE REGARDING AES OTAR: On December 16, 2003 NIST and CSE issued a joint statement accepting AES OTAR as a FIPS approved mode of operation. The AES OTAR option (Q15 with Q498 or Q629 with Q498) is now validated to FIPS 140-2 given that the current P25 AES OTAR standard has now been approved by NIST. Any order to Motorola for this option no longer needs a prior determination by the Government that the requirements of FIPS 140-2 are either not applicable or have been properly waived. Further information regarding FIPS 140-2 certification may be found using the following links: FIPS 140-2 Crypto Module Validation Program (CMVP) NIST Cryptographic Standard Validation Lists NIST Guidance on Project 25 AES-OTAR

Description	Nomenclature	APC	Price
ADD: ADP UCM ENCRYPTION WITH DES, DES-XL, DES-OFB	Q668	721	$639.20

NOT AVAILABLE with 3600 Trunking and Analog Conventional software Packages.   Compatible with: Q361 (P25 software package); and H35, H37, and H38 software packages ONLY when used with the Q806 CAI software in the Digital Conventional mode.

Antenna

Description	Nomenclature	APC	Price
DEL: ANTENNA, 800 MHZ (NAF5037)	H112	721	($ 8.00)
ALT: ANTENNA 1/4 WAVE WHIP STUBBY 806-941 MHZ (NAF5042)	H122	721	($4.00)

This option deletes the standard 806-870MHz 1/2 Wavelength Whip Antenna and adds the described antenna.

Description	Nomenclature	APC	Price
ALT: ANTENNA 1/2 WAVE 7" WHIP 700/800 MHZ (NAF5080)	Q696	721	$4.00

This option deletes the standard 806-870MHz 1/2 Wavelength Whip Antenna and adds the described antenna.

Battery

Description	Nomenclature	APC	Price
DEL: BATTERY ALTOGETHER (800 MHZ HNN9031) (VHF/UHF NNTN4435)	H207	721	($45.600)
ALT: BATTERY IMPRES NICAD FM 1525MAH (HNN9032)	H223	721	$37.60

DELETES Standard Nickel Cadmium Battery that ships with radio.   Please reference general ordering instructions for additional Factory Mutual information.

Description	Nomenclature	APC	Price
ALT: BATTERY IMPRES NIMH 1800MAH (NNTN4435)	Q186	721	$0.00

Deletes Standard Nickel Cadmium Battery that ships with the radio.

Description	Nomenclature	APC	Price
ALT: BATTERY IMPRES NIMH FM 1750MAH (NNTN4436)	Q393	721	$37.60

Deletes Standard NiMH Battery that ships with the radio. Please reference general ordering instruction for additional Factory Mutual Information.

Description	Nomenclature	APC	Price
ALT: BATTERY IMPRES NIMH FM RUGGED 1750MAH (NNTN4437)	Q393RUGD	721	$37.60

Provides the rugged radio with FM Certification.   Please reference general ordering instruction for additional Factory Mutual Information.

THIS EFFECTS ONLY THE XTS 3000 PRICE PAGES AND WILL ONLY BE REMOVED FROM THOSE PAGES ON SEPTEMBER 30, 2004.   ONLY XTS 3000 PRICE PAGES.

Description	Nomenclature	APC	Price
ALT: BATTERY FM NIMH ULTRA HIGH CAPACITY 3000MAH (RNN4007)	Q42	320	$54.40

Deletes the standard Battery that ships with the radio. Guaranteed for 70% of capacity 1 year, ONLY. Compatible with NTN1168, NTN1177, NTN4796 & all Tri-Chem Chargers.   2-3hr Rapid Charge.

Description	Nomenclature	APC	Price
ALT: BATTERY NIMH ULTRA HIGH CAPACITY 3000MAH (RNN4006)	Q43	721	$54.40

Deletes the standard NIMH Battery that ships with the radio. Guaranteed for 70% of capacity 1 year, ONLY. Compatible with NTN1168, NTN1177, NTN4796 & all Tri-Chem Chargers.   2-3hr Rapid Charge.

Description	Nomenclature	APC	Price
ALT: BATTERY HOLDER CLAMSHELL BLACK (NTN9177)	Q495	721	$0.00

Portable radio software version R07.00.002 or greater is REQUIRED for use with this product. Clamshell battery requires 12 "AA" Alkaline batteries to operate portable.   "AA" batteries are NOT included.   This battery is NOT FM approved or Intrinsically safe.   This battery will automatically reduce the radio's RF power to 2 Watts.   Carry case available.

Description	Nomenclature	APC	Price
ALT: BATTERY HOLDER CLAMSHELL ORANGE (NTN9183)	Q496	721	$0.00

Portable radio software version R07.00.002 or greater is REQUIRED for use with this product. Clamshell battery requires 12 "AA" Alkaline batteries to operate portable.   "AA" batteries are NOT included.   This battery is NOT FM approved or Intrinsically safe.   This battery will automatically reduce the radio's RF power to 2 Watts.   Carry case available.

Description	Nomenclature	APC	Price
ALT: BATTERY LITHIUM ION IMPRES SLIM 2000MAH (NTN9862)	Q712	721	$74.40

DELETES the standard NICAD Battery that ships with the radio.   REQUIRES new chargers including: NTN1667, NTN1873, WPLN4108 R, WPLN4111, & XTVA Rev "F"

Conventional Radio
Only Options Apply

Belt Clip(s)

Description	Nomenclature	APC	Price
DEL: DETACHABLE 2 1/2" BELT CLIP (NTN8266)	H301	721	($ 8.00)

Conventional Factory Programming

Description	Nomenclature	APC	Price
ADD: CUSTOMER FACTORY PRGRAMMING	H477	721	$0.00

Refer to Frequency and Squelch Section in the General Information Section above.

Data Cable (s)

Description	Nomenclature	APC	Price
ADD: DATA CABLE	Q157	721	$120.00

Labels

Description	Nomenclature	APC	Price
ADD: ALTERNATE DISPLAY LABEL	Q768	721	$0.00

Includes 1 metallic red, metallic orange, metallic blue, metallic yellow, and reflective silver display label.   ONLY available on Models 2 or 3.

Packaging

Description	Nomenclature	APC	Price
ADD: BULK PACKAGING	H415	721	$0.00

Ships order in multi-unit (10 pack) boxes.

Description	Nomenclature	APC	Price
ADD: SINGLE PACKAGING	H842	721	$0.00

Ships orders in single unit boxes.

Ruggedized Housing

Description	Nomenclature	APC	Price
ALT: RUGGEDIZED HOUSING	H499	721	$200.00

This option deletes the standard battery and replaces it with NNTN4437.   If you also need the Intrinsically Safe Certification you must order the H223RUGD or Q393RUGD for XTS 5000.

Description	Nomenclature	APC	Price
ALT: HOUSING YELLOW	H64	721	$20.00

H499 is required when ordering this option.

Service Options

Description	Nomenclature	APC	Price
ENH: TWO (2) YEAR EXPRESS SERVICE PLUS	H885	185	$65.00

Provides hardware repair coverage for 2 years beyond the standard 1-year warranty for a total of 3 years of coverage.   Repairs will be made at the Motorola Service Depot in Rockford, Illinois U.S.A.   Customer is responsible for inbound repair charges.   No discounts allowed with this feature.

Description	Nomenclature	APC	Price
ENH: ONE (1) YEAR ENCRYPTED EXPRESS SERVICE PLUS	Q57	185	$36.00
ENH: TWO (2) YEAR ENCRYPTED EXPRESS SERVICE PLUS	Q58	185	$70.40
ENH: ONE (1) YEAR EXPRESS SERVICE PLUS	Q884	185	$33.00

Provides 1 year of extended hardware repair coverage beginning after the standard warranty period, Giving 2 years of warranty.   Repairs will be made at the Radio Support Center in Rockford, Illinois. The customer pays for inbound shipping.   No discounts are allowed on this option.

Software Encryption

Description	Nomenclature	APC	Price
ADD: ADP SOFTWARE DSP BASED ONLY	Q667	721	$240.00

NOT AVAILABLE with 3600 Trunking and Analog Conventional soft&ware Packages.   Compatible with: Q361 (P25 software package); and H35, H37, and H38 software packages ONLY when used

with the Q806 CAI software in the Digital Conventional mode.   NOT COMPATIBLE with: Q159 (UCM Hardware Encryption)

Zone Operation

Description	Nomenclature	APC	Price
ADD: ZONE OPERATION	H371	721	$0.00

MUST order H477 with this option.   Refer to Zoned Operation Section above in the General Information.

Manuals

Description	Nomenclature	APC	Price
ADD: USER GUIDE MANUAL CD	H88	721	$0.00

Accessories

AUDIO ADAPTERS

Description	Nomenclature	APC	Price
3.5 MM JACK ADAPTER WITH QUICK DISCONNECT LATCH	BDN6676	742	$42.00

For use with 1, 2 & 3 wire earpiece.

Algorithm Kits

Description	Nomenclature	APC	Price
DES/DES-XL/DES-OFB ENCRYPTION	NNTN4006	456	$599.20
Includes both UCM Hardware Module & Software Encryption Algorithm			
ADP ENCRYPTION KIT-UCM	NNTN4593	721	$509.60
ADP W/AES ENCRYP KIT UCM	NNTN4594	721	$599.20
ADP W/DES/DES-XL/DES-OFB ENCRYP UCM	NNTN4595	721	$599.20
ADP WITH DES, DES-XL, DES-OFB, AES ENCRYPTION KIT-UCM	NNTN4596	721	$661.60
ENCRYPTION KIT DES DES XL AND DVP XL	NTN9837	456	$ 988.80
This algorithm upgrade kit includes both UCM Hardware Module & Software Encryption Algorithms			
ENCRYPTION KIT DVI XL	NTN9838	456	$536.00
Includes both UCM Hardware Module & Software Encryption Algorithm			
ENCRYPTION KIT DVP XL	NTN9839	456	$509.60
Includes both UCM Hardware Module & Software Encryption Algorithm			

Antenna

Description	Nomenclature	APC	Price
ANTENNA, 806-870 MHZ 1/2 WAVELENGTH WHIP	NAF5037	476	$28.60
ANTENNA, 806-941MHZ 1/4 WAVELENGTH WHIP (STUBBY)	NAF5042	476	$20.40
ANTENNA, 764-870MHZ 1/4 WAVE WHIP FLEX	NAF5080	555	$28.00

Battery

Description	Nomenclature	APC	Price
BATTERY IMPRES SMART NICD 1525 MAH (-30C) NON-FM	HNN9031B	453	$ 82.40
IMPRES smart batteries provide for automatic and adaptive reconditioning in Impres chargers, provide end of service life display, and real-time battery information when used with the Impres MUC with display.			
BATTERY IMPRES SMART NICD 1525 MAH (-30C) FM	HNN9032B	453	$100.00
IMPRES smart batteries provide for automatic and adaptive reconditioning in Impres chargers, provide end of service life display, and real-time battery information when used with the Impres MUC with display.			
IMPRES SMART NIMH 2000 MAH (1800 MIN) (-20C)	NNTN4435	453	$ 96.80
IMPRES SMART NIMH, FM 2000 MAH (1750 MIN) IS (-20C) (Q393)	NNTN4436	453	$112.00

**Conventional Radio
Only Options Apply**

Impres smart batteries provide for automatic and adaptive reconditioning in impres chargers, provide end of service life display, and real-time battery information when used with the impres MUC with display.

Description	Nomenclature	APC	Price
IMPRES SMART RUGGEDIZED NIMH, FM (2000 MAH)(1750 MIN)(-20C)(Q393RUGD)	NNTN4437	453	$116.00

Impres smart batteries provide for automatic and adaptive reconditioning in impres chargers, provide end of service life display, and real-time battery information when used with the impres MUC with display.

BATTERY NICAD, FM RUGGED 1525MAH (-30C)	NTN8297	453	$100.00

For XTS-3000R

BATTERY LITHIUM ION THIN, 1650MAH	NTN8610	453	$120.00
BAT HOLDER CLAMSHELL BLK	NTN9177	453	$40.00

Portable radio software version R01.20 or greater is required for use with this product. Clamshell battery requires 12 "AA" alkaline batteries to operate portable. "AA" batteries are NOT included. This battery is NOT FM approved or Intrinsically safe. This battery will automatically reduce the radio's RF power to 2watts.

BAT HOLDER CLAMSHELL ORG	NTN9183	453	$40.00

Portable radio software version R01.20 or greater is required for use with this product. Clamshell battery requires 12 "AA" alkaline batteries to operate portable. "AA" batteries are NOT included. This battery is NOT FM approved or Intrinsically safe. This battery will automatically reduce the radio's RF power to 2watts.

BATTERY PRIMARY NIMH 3500 MAH 7.5 V (Q43)	RNN4006	453	$100.00
BATTERY 3000 MAH FM NIMHY XTS (Q42)	RNN4007 R	453	$120.00

Guaranteed for 70% of capacity 1 year, only Compatible with NTN1177/4796, 1168 and all TRI-Chem Chargers.   2-3-hour rapid charge.

Belt Clip(s)

Description	Nomenclature	APC	Price
BELT CLIP KIT	NTN8266	476	$ 8.80

This is the ONLY recommended belt clip for use with the NTN9177 & NTN9183 Clamshell batteries.

Belt Loops

Description	Nomenclature	APC	Price
HI ACTIVITY D CLIP AND BELT LOOP COMBO	NTN9179	476	$33.60
SWIVEL D CLIP, HIGH ACTIVITY	NTN9212	476	$24.00
BELT LOOP, HIGH ACTIVITY D CLIP	NTN9213	476	$ 9.60

Cable(s)

Description	Nomenclature	APC	Price
CABLE- PROGRAMMING USB	RKN4105	261	$225.00

DOES NOT require Smart Rib. This cable MUST be ordered or the RKN4106 when you order the RVN4186 to program the Portable Radios.

CABLE- PROGRAMMING, RS232	RKN4106	261	$251.00

This cable MUST be ordered or the RKN4105 when you order the RVN4186 to program the Portable Radios.

Carrying Case(s)

Description	Nomenclature	APC	Price
3" SWIVEL BELT LOOP	NTN8040	476	$ 9.60

For use only with the High Activity Leather Swivel Snap Carry Cases.

CASE CARRYING HIGH ACTIVITY	NTN8381	476	$48.00

Includes swivel belt loop and t-strap.   3.0" Snap NiCad or NiMH. M1, M2, and M3

CASE W/BELT LOOP T STRAP	NTN8382	476	$40.80

Includes snap belt loop and t-strap.   For NiCad or NiMH. M1, M2, and M3

NYLON CARRY CASE W/T-STRAP	NTN8725	476	$40.80
CASE, CARRY WITH BELTLOOP FOR CLAMSHELL BATTERY	NTN9184	476	$53.60

Charger

Conventional Radio Only Options Apply

Description	Nomenclature	APC	Price
CIGARETTE LIGHTER ADAPTER (FOR MOTOROLA CONDITIONING CHARGERS)	3080384G15	644	$5.60
*For Single & Multi Unit Motorola Conditioning Chargers.			
DC CABLE WITH 3AH IN LINE FUSE	3080384M21	785	$12.00
For use with single and multi unit Motorola Conditioning Chargers. Included in kit RLN4814A.			
CHARGER 110V US TRI CHEMISTRY	NTN1667	476	$ 80.00
CHARGER, 230V EURO TRI CHEMISTRY	NTN1668	476	$ 80.00
CHARGER 230V UK TRI CHEMISTRY	NTN1669	476	$132.00
CHARGER, IMPRESS SMART RAPID RATE, 110V	NTN1873	476	$132.00
Rapid charger, NiCad, NiMH, & Lithium batteries are for ALL XTS, MTS, MT, JT, HT, and Saber batteries. (WPLN4114AR, & USA 3004209T03 Cord)			
CHARGER, IMPRESS SMART RAPID RATE, 220V (EURO)	NTN1874	785	$132.00
Rapid charger, NiCad, NiMH, & Lithium batteries are for ALL XTS, MTS, MT, JT, and HT (WPLN4114AR, 2 prong Euro 3004209T01 Cord)			
CHARGER, IMPRESS SMART RAPID RATE, 240V (UK)	NTN1875	785	$132.00
Rapid charger, NiCad, NiMH, & Lithium batteries are for ALL XTS, MTS, MT, JT, HT, and Saber batteries.(WPLN4114AR, 3 prong Euro Flat 3004209T02 Cord)			
CHARGER, VEHICULAR TRI-CHEM XTS3000, XTS3500 AND COMPATIBLE W/PAC-RT	NTN9176	476	$312.00
MOUNTING BRACKET	RLN4814	785	$28.00
For use with single unit Motorola Conditioning Chargers. INCLUDES: mounting hardware and fused hard wire cable.			
CHARGER TRAVEL	RLN4884	785	$76.00
Utilizes the cigarette lighter adapter. INCLUDES: mounting bracket, custom coil cord, and charger.			
110V AC(7V DC) BASE W/ADPTR	WPLN4086 R	785	$56.00
INCLUDES: Charger base, adapter plate, and power cord. For Vehicular operation, CLA, and Hard Wire Cable available separately.			
BATTERY ADAPTER	WPPN4021 R	785	$12.00
MULTI UNIT CONDITIONING CHARGE	WPPN4065 R	785	$319.20
INCLUDES: 4 station conditioning charger and AC power supply. Adapter plates sold separately.			

Commport Integrated Microphone/Receiver

Description	Nomenclature	APC	Price
COMMPORT WITH PALM PTT	NTN1624	115	$296.00
CommPort Integrated Receiver Ear Microphone is intelligible in high noise levels up to 100dB. APC is 833. Contact RPSD at 1-800-422-4210 for more information.			
COMMPORT WITH PTT ON RADIO ADAPTER	NTN1625	115	$275.20
CommPort Integrated Receiver Ear Microphone is intelligible in high noise levels up to 100dB. APC is 833. Contact RPSD at 1-800-422-4210 for more information.			

Earpieces

Description	Nomenclature	APC	Price
FLEXIBLE EAR RECEIVER	BDN6719	742	$28.00
Flexible ear loop and speaker which rests external to the ear. REQUIRE BDN6676 (3.5mm adapter jack) that attaches to the radio. *HT1000, JT1000, MT2000, and XTS3000 requires BDN6676 (3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. *EX500 & EX600 XLS-Requires PMLN4455 - Intrinsically Safe (FM)			
EARBUD, MINI MICROPHONE AND PTT	BDN6780	742	$53.60
*MTX8000 & MTX9000 - Requires BDN6676 (3.5 mm adapter jack) that attaches to the radio. Assembled with microphone & PTT. *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM).			
EARBUD, RECEIVE ONLY, BLACK (SINGLE WIRE)	BDN6781	742	$21.60
*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 3000, requires BDN6676 (3.5mm adapter jack) that attaches to the radio. *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM) *XTS 5000 & XTS 2500 requires new adaptor-available Q1 2002. Intrinsically Safe (FM). Assembled (receive only) with volume control & standard urethane earloop.			

Headsets

Conventional Radio Only Options Apply

Description	Nomenclature	APC	Price
HEADSET HEAVY DUTY W/NOISE CANCELLING BOOM MICROPHONE, PTT ON EARCU	BDN6645	742	$351.20
*Saber radio requires BDN6640 Adapter Cable. *HT1000, JT1000, MT2000, XTS3000, XTS3500, XTS2500, XTS5000 -use with BDN6673. Intrinsically Safe (FM). *EX500 & EX600 XLS - use with RKN4093.			
CABLE, RADIO ADAPTER, HT1000	BDN6673	505	$184.00
*XTS 2500, XTS 3000, & XTS 5000 Requires BDN6645. *HT1000, JT1000, & MT2000 - requires one of the following: BDN6645, BDN6635, or BDN6636.			
HEADSET OVER-THE-HEAD FOR HT AND MT RADIOS	NMN6258	742	$311.20
Medium Weight Headset, Over the Head, with In-Line PTT - Noise Reduction Rating = 24dB			
HEADSET BEHIND-THE-HEAD FOR HT AND MT RADIOS	NMN6259	742	$340.00
Medium Weight Headset, Behind the Head, with In-Line PTT - Noise Reduction Rating = 24dB			
TEMPLE TRANSDUCER W/BOOM MIC & PTT-RECEIVE AUDIO THROUGH THE TEMPLES	RMN4049	742	$180.00
Temple transducer-receive audio without covering the ear; behind the head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and in-line PTT.			

Microphones

Description	Nomenclature	APC	Price
MICROPHONE REMOTE SPEAKER NOISE CANCELLING	NMN6191	476	$77.40
Includes a 6.0' coiled cord assembly, 3.5 mm earjack, swivel clip, quick disconnect latch - Intrinsically Safe (FM).			
MICROPHONE REMOTE SPEAKER	NMN6193	476	$69.80
Includes a 6.0' (stretched length) coiled cord, swivel clothing clip and 3.5mm earpiece, quick disconnect latch - Intrinsically Safe (FM).			
COMMANDER REMOTE SPEAKER MICROPHONE	RMN5021	372	$120.00
RSM features an emergency button, volume control, a 16 channel select knob, two programmable buttons, and a 3.5mm audio jack. Intrinsically Safe (FM). COMPATIBLE with XTS3000, XTS3500, and XTS5000 (XTS5000 radios must have a radio host code of R02.00.00 or later. System enhancement release (SER) of Q42002 or later). NOT COMPATIBLE with HT1000, MT2000, MTS2000, MTX8000/9000, or XTS2500. AN AAD ITEM ONLY!!!!!			

Multi Unit Chargers

Description	Nomenclature	APC	Price
WALL MOUNT KIT FOR MULTI-UNIT CHARGER	NLN7967	476	$16.80
CHARGER, RACK MOUNT FOR 6 UNIT	NLN7968	476	$20.80
CHARGER, 110V MULTI UNIT RAPID	NTN1177	476	$630.40
Typically 1 hour charge (to get complete battery life)for every 2 amps. Designed for Domestic and International Operation through the use of interchangeable plug-in line cords. Additional line cords may be purchased separately.			
IMPRES CHARGER DISPLAY MODULE.	RLN5382	785	$76.00
Retrofitable display module for impres multi unit chargers version 1.3 or later. Displays the following information "real-time" for impres batteries - mAh, % capacity, time remaining to charge complete (NiCd/NiMH only), battery s/n, charge status, voltage, kit #, and more. Sold individually.			
CHARGER IMPRES DISPLAY MODULE	RLN5591A	785	$138.40
Retrofit for display module on impres Multi Unit Charger versions 1.2 or earlier. Instruction sheet will be supplied. Requires the charger to be sent to the Radio Support Center for module installation/flash upgrade. Includes return shipping. Quantity discounts apply when purchasing more than one.			
CHARGER IMPRES SMART MULTI UNIT (110V) US PLUG NON DISPLAY	WPLN4108 R	785	$630.40
CHARGER IMPRES SMART MULTI UNIT W/ DISPLAY MODULES (110V)	WPLN4130	785	$1,080.00
Displays the following information "real-time for impres batteries - mAh, % capactiy, time remaining to charge complete (NiCd/NiMH only), battery s/n, charge status, voltage, kit#, and more. Supports NiCd, NiMH, and Lithion impress and Motorola non-impres battteries.			

Public Safety Microphone(s)

Description	Nomenclature	APC	Price
PUBLIC SAFETY MICROPHONE, STRAIGHT CABLE 30 IN	NMN6247	476	$120.00

Conventional Radio
Only Options Apply

PSM does not have emergency switch. For XTS 5000 UHF R1 use only approved antennas
NAE6547 and NAE6549.

Description	Nomenclature	APC	Price
PUBLIC SAFETY MICROPHONE, STRAIGHT CABLE 24 IN	NMN6250	476	$120.00

PSM does not have emergency switch. For XTS 5000 UHF R1 use only approved antennas
NAE6547 and NAE6549.

PUBLIC SAFETY MICROPHONE, STRAIGHT CABLE 18 IN	NMN6251	476	$120.00

PSM does not have emergency switch. For XTS 5000 UHF R1 use only approved antennas
NAE6547 and NAE6549.

TOOL WRENCH FOR RF ADAPTOR	NTN8270	620	$2.40
RF ANTENNA SWITCH	NTN8327	476	$112.00

The RF Switch has been removed from the XTS radio to provide cost savings on the model.
Therefore, the external RF switch must be attached to the radio in order for the PSM to operate.
A wrench tool must be used to place the RF switch. These kits must be ordered separately.
REQUIRES ANTENNA. The RF switch and mics are FM approved.

Surveillance

Description	Nomenclature	APC	Price
EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BEIGE (SINGLE WIRE)	BDN6664	742	$32.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, & XTS 5000: REQUIRE
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Assembled (receive only) with
standard urethane ear loop. *EX500 & EX600 XLS - requires PMLN4455 -Intrinsically Safe (FM)

EARPIECE RECEIVE ONLY WITH EXTRA LOUD EARPHONE - BEIGE (SINGLE WIRE)	BDN6665	742	$33.60

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, & XTS 5000: REQUIRE
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Assembled (receive only) with
standard urethane ear loop. *EX500 & EX600 XLS - requires PMLN4455 -Intrinsically Safe (FM)

EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BEIGE (SINGLE WIRE)	BDN6666	742	$42.40

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, and XTS 5000: Requires
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Intrinsically Safe (FM).
Assembled (receive only) with standard urethane ear loop.

EARPIECE WITH MICROPHONE & PTT COMBINED - BEIGE (2 WIRE)	BDN6667	742	$ 91.20

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, and XTS 5000: Requires
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Intrinsically Safe (FM).
Assembled (receive only) with standard urethane ear loop.

EARPIECE WITH MICROPHONE & PTT SEPARATE - BEIGE (3 WIRE)	BDN6668	742	$120.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, and XTS 5000: Requires
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Intrinsically Safe (FM).
Assembled (receive only) with standard urethane ear loop.

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BEIGE (2 WIRE)	BDN6669	742	$ 94.40

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, and XTS 5000: Requires
BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote Speaker
Microphone with 3.5mm audio jack, audio adapter is not required. Intrinsically Safe (FM).
Assembled (receive only) with standard urethane ear loop.

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BEIGE (3 WIRE)	BDN6670	742	$108.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000, XTS 2500, XTS 3000, and XTS 5000:
REQUIRE BDN6676(3.5mm adapter jack) that attaches to the radio. If being used with Remote
Speaker Microphone with 3.5mm audio jack, audio adapter is not required. Intrinsically Safe
(FM). Assembled (receive only) with standard urethane ear loop. *EX500 & EX600 XLS
REQUIRES PMLN4455.

EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BLACK (SINGLE WIRE)	BDN6726	742	$32.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000, and XTS 3000 require BDN6676 (3.5 mm
adapter jack) that attaches to the radio. If being used with Remote Speaker Microphone with
3.5mm audio jack, audio adapter is not required. *XTS 2500 and XTS 5000 requires new adaptor
which will be available Q1 2002. Intrinsically Safe (FM) *EX500 & EX600 XLS - requires
PMLN4455 - Intrinsically Safe (FM)

RECEIVE ONLY EARPIECE WITH EXTRA LOUD EARPHONE - BLACK (SINGLE WIRE)	BDN6727	742	$33.60

Conventional Radio
Only Options Apply

Exceeds OSHA Limits.   *HT1000, JT1000, MT2000, MTX8000, MTX9000, and XTS 3000 require BDN 6676 (3.5 mm adapter jack) that attaches to the redio. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. *XTS 2500 and XTS 5000 requires new adaptor which will be available Q1 2002.   Intrinsically Safe (FM).   *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM)

Description	Nomenclature	APC	Price
EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BLACK (SINGLE WIRE)	BDN6728	742	$42.40

*JT1000, MT2000, MTX8000, MTX9000, and XTS 3000 require BDN6676 (3.5 mm adapter jack) that attaches to the redio. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.   *XTS 2500 and XTS 5000 requires new adaptor which will be available Q1 2002.   Intrinsically Safe (FM). *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM)

EARPIECE WITH MICROPHONE & PTT COMBINED - BLACK (2 WIRE)	BDN6729	742	$ 91.20

*JT1000, MT2000, MTX8000, MTX9000, and XTS 3000 require BDN6676 (3.5 mm adapter jack) that attaches to the redio. *XTS 2500 and XTS 5000 requires new adaptor which will be available Q1 2002.   Intrinsically Safe (FM).   *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM)

EARPIECE WITH MICROPHONE & PTT SEPARATE - BLACK (3 WIRE)	BDN6730	742	$120.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000 XTS 3000 require BDN6676 (3.5mm adapter jack) that attaches to the radio.   *XTS 2500 & XTS 5000 requires new adaptor-available Q1 2002. Intrinsically Safe (FM).   *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM)

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BLACK (2 WIRE)	BDN6731	742	$ 94.40

*HT1000, JT1000, MT2000, MTX8000, MTX9000 XTS 3000, require BDN6676 (3.5mm Adapter Jack)that attaches to the radio.   *XTS 2500 & XTS 5000 requires new adaptor-available Q1 2002. Intrinsically Safe (FM).   *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM)

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BLACK (3 WIRE)	BDN6732	742	$108.00

*HT1000, JT1000, MT2000, MTX8000, MTX9000 XTS 3000 require BDN6676 (3.5mm adapter jack) that attaches to the radio.   *XTS2500 & XTS5000 requires new adaptor-available Q1 2002.
 Intrinsically Safe (FM).   *EX500 & EX600 XLS - requires PMLN4455 - Intrinsically Safe (FM).

Customer Programming Software

Description	Nomenclature	APC	Price
SOFTWARE FOR ASTRO 25 PORTABLE CD FORMAT; VERSION R01.00.00	RVN4181	371	$265.00

CD Format.   This software will program XTS 5000 & XTS 2500 Portable radios plus this comes with a tuner utility on the disk. This provides 3yrs worth of support.

Manuals

Description	Nomenclature	APC	Price
MANUAL, XTS5000 MOD I USER GUIDE	6881094C25	721	$ 8.40
MANUAL, XTS5000 MOD II USER GUIDE	6881094C26	001	$ 9.20
MANUAL, XTS5000 MOD III USER GUIDE	6881094C27	721	$ 8.40
MANUAL, XTS5000 BASIC SERVICE ENGLISH	6881094C28	721	$10.40
CD XTS5000 USER GUIDES	9985901D01	001	$12.80
XTS5000 BASIC SERVICE MANUAL	9985902D01	001	$21.20

Data Compiled 27-Jul-2004 using DUP and all prices in USD