

## DYNON ACM Advanced Control Module Instructions

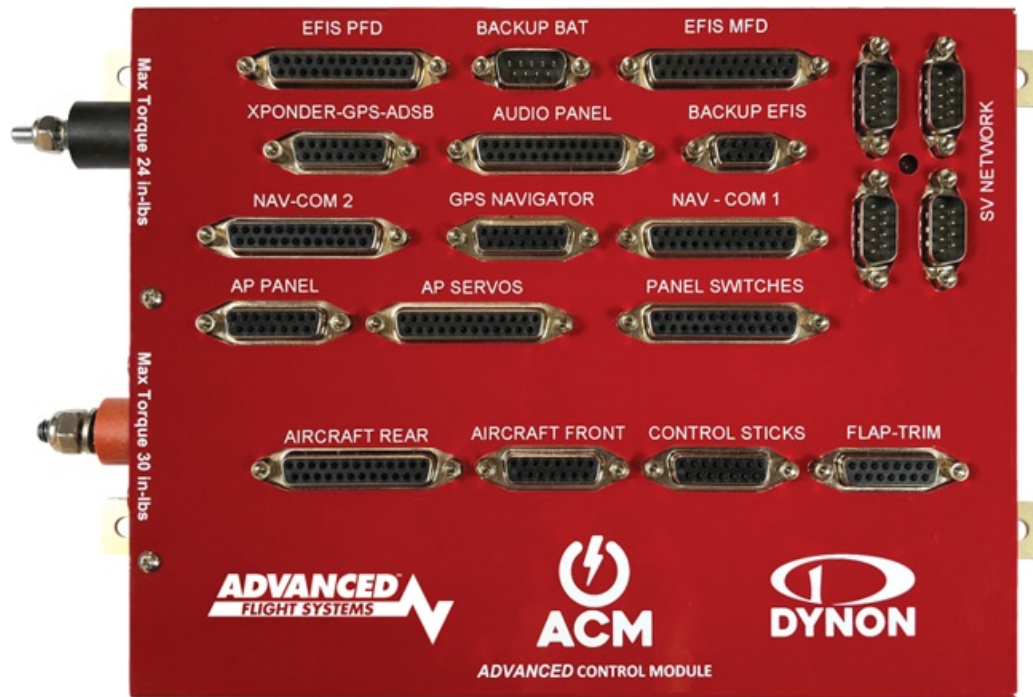
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**NOW AVAILABLE  
TO ALL HOMEBUILDERS**

### **The Advanced Control Module**

Previously only available with ADVANCEDPANEL Complete, the ACM is now available to all E-AB and LSA pilots that install Dynon or Advanced Flight Systems avionics in their aircraft.



The Advanced Control Module (ACM) is a groundbreaking avionics control center that revolutionizes aircraft electrical system management. It seamlessly integrates and automates a wide range of common aircraft avionics, wiring, and electrical peripherals to save time, simplify installation, and enhance safety.

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## ADVANCED CONTROL MODULE

Speed up aircraft systems installation by hundreds of hours. The Advanced Control Module (ACM) is a groundbreaking avionics control center that revolutionizes aircraft electrical system management. It seamlessly integrates and automates a wide range of common aircraft avionics, wiring, and electrical peripherals to save time, simplify installation, and enhance safety.

All systems connect to the ACM with customized harnesses, enabling a “plug and play” avionics installation while saving hundreds of hours of wiring, crimping, troubleshooting and frustration.

## Safety-Enhancing

### Electronic Circuit Protection

Each aircraft system is protected by a dedicated electronic circuit breaker (ECB) in the ACM that is customized in software to meet device load and circuit requirements. The SkyView or AFS avionics system continuously monitors the entire electrical system for faults, and allows pilots to view comprehensive information about all circuits and systems. The ACM also allows traditional high current-carrying panel switches and wires to be replaced by safer, low-voltage panel-mounted switches that are available with internal lighting.

### Centralized Power and Data Distribution

The ACM serves as the central power distribution hub for the aircraft’s electrical system, consolidating power for

avionics, headsets, aircraft lights, autopilot servos, trim servos, flap motors, control sticks, and low voltage panel switches.

### **Simplify Installation and Save Time**

The ACM works with a comprehensive line of premade, aircraft and product-specific, ACM harnesses that connect all aircraft avionics and ancillary systems, simplifying wiring and installation. With a plug and play design, panel bring-up has never been quicker.

The ACM's modular design also facilitates future upgrades as your aircraft mission changes.

### **Enhanced Avionics Functionality**

The ACM goes beyond electrical distribution and protection, offering a host of advanced avionics features that would otherwise require separate components. These include:

- 27 dedicated channels of solid-state electronic Circuit protection with circuit-level current monitoring and control. Circuits can be physically switched or electronically controlled from Dynon/AFS displays.
- Built-in SV-ARINC-429 module
- Multi-step flap positioning system
- Airspeed-controlled wig-wag lighting
- Panel switch backlight dimmer
- Multi-Axis Trim Interface (requires SV-AP-PANEL)
- Expanded SV Network Hub (4 ports + AP servos)
- Low voltage panel switch interface with support for in-switch lighting
- Control stick interface
- Alternator over-voltage protection, with single or dual alternator support

The most affordable way to install the ACM. Begin with the ACM Jumpstart Kit – available from both Dynon and Advanced. It contains the ACM and the core set of harnesses needed in every aircraft. Then, use the ADVANCEDPANEL Store to finish your system with ACM-specific harnesses and remaining components.

### **WHO IT'S FOR**







































The budget-conscious builder that still wants the features and benefits of the ACM, but is comfortable selecting, installing, and configuring their avionics system.



### **FEATURES**

- Traditional Dynon harnesses for most components
- Comprehensive harnesses available from manufacturer
- Modules connect with convenient SkyView Network Cables
- Advanced Control Module (ACM) with Electronic Circuit Breakers
- ACM harnesses connect all avionics components
- Airframe harnesses between ACM and aircraft electrical accessories
- SV-ARINC-429 module included in ACM
- Expanded SV Network Hub (4 ports + AP servos) in ACM
- Pre-wired panel switches with low-voltage ACM Interface
- Complete avionics system designed by our experts
- System fully bench-tested with your actual equipment and harnesses, including 3rd party IFR Navigators
- Custom designed, CNC manufactured instrument panel
- Fully finished ADVANCEDPANEL Complete: Dynon/AFS avionics mounted and configured in panel, ready to install in aircraft
- \* Currently available for RV-7, RV-8, RV-9, RV-10, and RV-14 airframes.

## WHO IT'S FOR

The Other Guys	Traditional Dynon and AFS Wiring	ACM Jumpstart Kit ADVANCED PANEL	ADVANCED PANEL BYOPanel	ADVANCED PANEL COMPLETE
				
				
				
				
		YOU CHOOSE		
		AVAILABLE*		
				
				
		OPTIONAL		
				
				
				
				

A complete panel, featuring the ACM, ready to install into your aircraft. ADVANCEDPANEL Complete starts with our expert personalized design services and ends with a drop-in, integrated panel that cuts hundreds of hours off your project. You dream up your perfect panel; we do the rest.

#### WHO IT'S FOR

The builder who wants a complete, custom panel, tailored to their aircraft and mission, fully configured, ready to install.





AF-6600 HDX Equipped IFR **ADVANCEDPANEL**

Van's Aircraft RV-14



SkyView HDX Equipped IFR **ADVANCEDPANEL**

Van's Aircraft RV-14



SkyView HDX Equipped VFR Aerosport **ADVANCEDPANEL**

Rans Aircraft S-21 Outbound



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[DYNON.COM](https://www.dynon.com)

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## Documents / Resources



[DYNON ACM Advanced Control Module](#) [pdf] Instructions

ACM Advanced Control Module, ACM, Advanced Control Module, Control Module, Module

## References

- [Advanced Flight Systems](#)
- [Welcome To Dynon](#)
- [User Manual](#)

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