



# AMS42/42F/44

Dual-Channel Audio Controllers



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### PRODUCT FEATURES

#### Dual Channel

Canyon AMS42/42F/44 series is a dual-channel audio controller that provides central control of all aircraft audio. It allows selection of transmit and receive audio, emergency mode functionality, and provides LIVE, KEYED, or VOX operation. Support for the pilot, co-pilot, and five passengers is enabled, as well as left- or right-side pilot configurations by providing positions for up to five transceivers and up to five nav aids. Other functions include: external PA interface, boom mic support for the pilot and co-pilot, seven-place intercom, emergency and ISO operation, two direct audio inputs and rear-hand mic operation. Designed for special mission applications, the 42/42F/44 has dual radio controls to independently select radio transmit and receive audio. Dual-channel configuration provides independent radio control for pilot and co-pilot in a single controller, plus intercom support for passengers.

#### Intercom Function

The integral intercom features one of the highest headphone outputs in the industry with up to 500 mW per channel. The intercom system is designed to achieve the best possible intercommunications in noisy aircraft environments. Voice activated squelch (VOX) uses a voice-tracking circuit that combines low-noise audio processing with selective voice-band squelch triggering for effective hands-free ICS operation. Dual-channel controllers provide a pilot isolate mode to allow the pilot(s) to separate from the intercom system for complete isolation.

#### Inputs

Two direct inputs accommodate functions such as rad alt, GPS alerts, low rotor or telephone ringer.

#### Emergency

Front panel-selectable emergency mode switches the pilot's head-phones (and co-pilot's in dual-channel modes) directly to the selected radios. Mic control is maintained via the transmit-select switch for each available radio.



### Technical Specifications

#### Applications

- AMS42:** VFR/OAS/Forestry/Corporate Fleet
- AMS42F:** Forestry
- AMS44:** IFR/Police/Forestry/Charter/Corporate Fleet

#### Mechanical

- Height: 1.9" (4.83 cm)
- Width: 5.75" (14.61 cm)
- Length: 6.79" (17.25 cm)
- Weight: 2.79 lb. (1.27 kg)



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Canyon AeroConnect is a global supplier of avionic-standard aircraft communications, navigation and audio/intercom systems