



ADVANCED AVIONICS
for mission critical communications



CANYON

AUDIO TECHNOLOGIES

Controllers, Amplifiers, Warning Generators, Accessories

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Audio Management Systems



Digital Audio Communications System

(DACS): Configurable communications management system that distributes and controls all aircraft audio, to/from transceivers, receivers, and aural alert sources. Components include ACP53 and/or 51, AMU50, and RM01.



DCOMS

DCOMS is a redundant audio system for critical mission roles, such as military trainers, light fighters, and ground attack aircraft. It consists of the 4420 AMU and the 5520 ACP.



700/80X

The Model 700 Digital Remote Amplifier and Model 800 series Audio Control Panels form a configurable audio management system for the corporate and special-mission fixed wing market.

Single-User Audio Controllers



AA24/AA25

Compact, cost-effective audio panels providing dedicated individual control for each user in larger multi-station installations.



N301A

Controls audio from multiple receivers and allows transmission of mic audio to a selected transmitter. Intercom operation is also provided. User has control of six (6) transceiver positions, six (6) receiver inputs, four (4) direct audio alerts, and two (2) ICS tie lines. Supports civil and military headsets.



3110

Designed for the modern corporate cockpit, the 3110 ACP provides industry standard audio interfaces and discretes for all aviation radios.



344

Designed for fighter trainer aircraft, the 344 delivers audio cockpit control function for a single pilot, supports HOTAS transmit selection, and provides additional interphone capability for a RAMP (ground) operator.

Single-Channel, Multi-User Controllers



AA95/AA97

Designed for special mission operations, the AA95 supports ICS for pilot, co-pilot, and four (4) passengers with LIVE/KEYED/VOX modes. The AA97 is a variant of the AA95, with the addition of individual RX level controls on each of six (6) transceivers.



311

Provides support for pilot, co-pilot, four (4) pax (two (2) may be transmit-capable), plus hand mic. A voice and warning (up to six (6)) generator is built in.



N335

A fully-redundant audio solution for special mission aircraft where single or multiple user networks are required. Features include separate RX and ICS volume, LIVE or VOX ICS function switch, ICS VOX level, and up to 14 individual on/off volume controls for the Com and Nav inputs.



AMS43/AMS43H/AMS43HP

Designed for VFR, IFR, OAS, forestry, corporate and fleet platforms, with Com one (1) and two (2), FM one (1) and two (2), PA Xcers, Nav one (1) and two (2), ADF one (1) and two (2), and DME/MKR receivers. 43H and 43HP feature HF in place of AUX.



380

For helicopter or fixed-wing platforms, the 380 receives input from up to 13 receivers, stereo music, five (5) auxiliary unmuted inputs, oxygen mask mic, or hand mic. Outputs support two (2) pilot headphones, six (6) cabin headphones, eight (8) transceivers, and CVR.



AA12S

Compact audio controller with four (4)/six (6) positions with LIVE/KEYED/VOX/ICS modes. Pilot/co-pilot positions have full RX/TX/ICS capabilities, with the balance of positions having RX/ICS only.

Amplifiers



204

Three (3) station mixing/ICS amplifier with DC-biased microphone inputs.



246

Isolation amplifier suitable for driving a 1-watt speaker or for other 150-600 ohm loads. Form, fit and function replacement for the Collins 356C-4.



247

Audio mixing amplifier containing three (3), independent, four (4) channel mixers with three (3) independent outputs. Can be used to create a local intercom.



AA38

Remote-mount intercom amplifier with VOX, PTT and HOT mic operation and four (4) or eight (8) place configurations. Supports low- and high-impedance headsets.



263

Microphone amplifier with less than one percent distortion, and 20-60 dB factory-adjustable amplifier gain.



265

Area microphone pre-amplifier designed to detect and amplify acoustic cockpit signals for routing to cockpit voice recorders. Amplifier distortion is less than one percent with amplifier gain adjustable from 16-36 dB.

Speaker/Paging - Passenger Amplifiers



245
Speaker amplifier with high output and reduced distortion. Form, fit and function replacement for Collins 356F-3.



251
Paging/passenger speaker amplifier with 60-watt paging/stereo for helicopters and business class A/C. Can drive 1 ohm (4 x 4 ohm in parallel).



AA23
Speaker amplifier for driving either an eight (8) ohm speaker network or an array of headsets at a 100% duty cycle. Features muted or partially-muted outputs, adjustable gain and dual PTT key logic in/outputs.



240
Passenger speaker amplifier providing Fasten Seat Belt and No Smoking sign chime tones, a Cabin Call ringer tone, ADF, Pilot Select Com (PSC), TV, Briefer, and Cabin Paging audio to the cabin speakers.

Dual-Channel, Multi-User Controllers



AMS42/AMS42F/AMS44
Flexible design for installation on VFR, OAS, forestry, charter, corporate, fleet, IFR, and police platforms. Features Com, Aux, FM and PA transceivers, RX- and ICS-level controls for each side, and three (3) ICS modes: LIVE/KEYED/VOX.

Aural Warnings Generators



630A
24-channel digital storage/playback Aural Warning Generator designed to provide digitally-sampled warning tones or messages to cockpit and cabin.



AA37
Three (3) channel Aural Alerting System, providing supplemental tones for existing or recently-added systems on the aircraft.

Audio Adapters



AA36

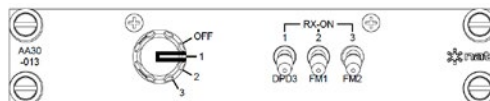
Digital ICS tie line adapter that permits Canyon audio products to be interfaced to other audio products with proprietary bidirectional or unidirectional tie lines.



AA39

Designed to adapt military headsets to commercial aviation audio systems. AA39-187 is a single headset adapter, while the AA39-287 is designed for two (2) headsets.

Selectors/Switch Panels



AA30

AA30-013 is a single-channel audio controller expansion panel. The AA30-014 is a dual-channel audio controller expansion panel. Both feature three (3) receiver inputs/channel and three (3) transmit keylines/channel.



AA31

ICS Mode Controller designed to organize an aircraft audio system into "talk groups" for independent or common intercom operation.



AA35

Six (6) channel summing/isolation/mixing amplifier with independent level controls for each channel (input/output). Available in panel or remote mount configurations.