Audio Technologies

Controllers, Amplifiers, Warning Generators, Accessories

"Audio from Canyon
enables clear comms and alerts,
so we can safely complete any mission."

canyonaeroconnect.com

Audio Management Systems

Digital Audio Communications System

DACS: Configurable communications management system to distribute and control all aircraft audio, to/from transceivers, receivers, and aural alert sources. Components include ACP53 and/or 51, AMU50, and RM01.

TITAN

Compact, configurable digital audio management system for light and medium rotorcraft, turboprop airplanes, and business jets. Components include the AMS80, AMU80, and AMU82.

DCOMS

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

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 6 transceiver positions, 6 receiver inputs, four direct audio alerts, and 2 ICS tie lines. Supports civil and military headsets.

Model 3110

Designed for the modern corporate cockpit, the 3110 ACP provides analog audio interfaces and PTT discretes to the RC Pro Line radios.

Model 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.

ACP53

ACP82

700/80x

AA24/AA25

N301A

3110

344

Single-Channel, Multi-User Controllers

AA95/AA97

Designed for special mission operations, the AA95 supports ICS for pilot, co-pilot, and 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 6 transceivers.

AMS43/AMS43H/AMS43HP

Designed for VFR, IFR, OAS, Forestry, Corporate and Fleet platforms, with Com 1 & 2, FM 1 & 2, PA Xcers, Nav 1 & 2, ADF 1 & 2, and DME/MKR receivers. 43H and 43HP feature HF.

MODEL 311

Provides support for pilot, co-pilot, 4 pax (2 may be transmit-capable), plus hand mic. Voice & warning (up to 6) generator is built in.

MODEL 380

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

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 control for each Com and Nav input.

AA12S

Compact audio controller with four/six 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.

Dual-Channel, Multi-User Controllers

300A

Designed for IFR, Police, Forestry, Charter, Corporate, and Fleet platforms, providing front panel support for 5 transceivers and 5 receivers, RX and ICS level controls for each side, and 3 ICS modes: LIVE/KEYED/VOX.

AMS42/AMS42F/AMS44

Flexible design for installation on VFR, OAS, Forestry, Charter, Corporate, Fleet, IFR, and Police platforms, featuring Com, Aux, FM, and PA transceivers, RX- and ICS-level controls for each side, and 3 ICS modes: LIVE/KEYED/VOX.

AA92H/AA94

Based on the AMS42 design, featuring LIVE/KEYED/VOX ICS modes, support for pilot, co-pilot, and 5 passengers, support for up to 5 transceivers, and RX monitoring for transceivers and Nav Aid audio sources.

AA95/AA97

AMS43

311

380

N335

AA12S

300A

AMS44

CANYON aeroconnect

Aural Warnings Generators

611

4-channel Aural Warning Generator. Storage and playback of virtually any audible signal upon activation by control signal. Signals chosen from library or user-defined set.

611

630A

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

630A

AA37

Three channel aural alerting system, providing supplemental tones for existing or recently-added systems on the aircraft.

Amplifiers

204

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

204

246

Isolation amplifier suitable for driving a 1-watt speaker or for other 150-to-600 ohm loads. Form, fit, and function replacement for the Collins 356C-4.
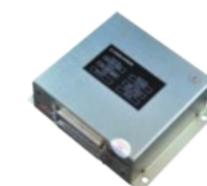
246

247

Audio mixing amplifier containing 3 independent four-channel mixers with 3 independent outputs. Can be used to create a local intercom.

247

AA38

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

263

Microphone amplifier with less than 1% distortion, and 20-60 dB factory-adjustable amplifier gain.

AA38

265

Area microphone preamplifier designed to detect and amplify acoustic cockpit signals for routing to cockpit voice recorders. Amplifier distortion is less than 1%, with amplifier gain adjustable from 16-36 dB.

Speaker/Paging-Passenger Amplifiers

AA23

Speaker amplifier for driving either an 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.

245

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

245

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).

240

Passenger speaker amplifier providing Fasten Seat Belt & 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.

Audio Adapters

AA36

Digital ICS tieline adapter that permits canyon audio products to be interfaced to other audio products with proprietary bi-directional or uni-directional tielines.

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 2 headsets.

AA36

AA39

Selectors/Switch Panels

AA30

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

AA31

AA31

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

AA35

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

AA35

Canyon AeroConnect

Prescott, Arizona, USA

TECHNOLOGIES

- Flexcomm™ Airborne tactical radios
- FliteLine™ Airborne communication & navigation radios
- SATCOM telephone dialer/adapter
- Single- and multi-user audio controllers
- Audio amplifiers/selector

ACP82
Next generation compact
digital audio system

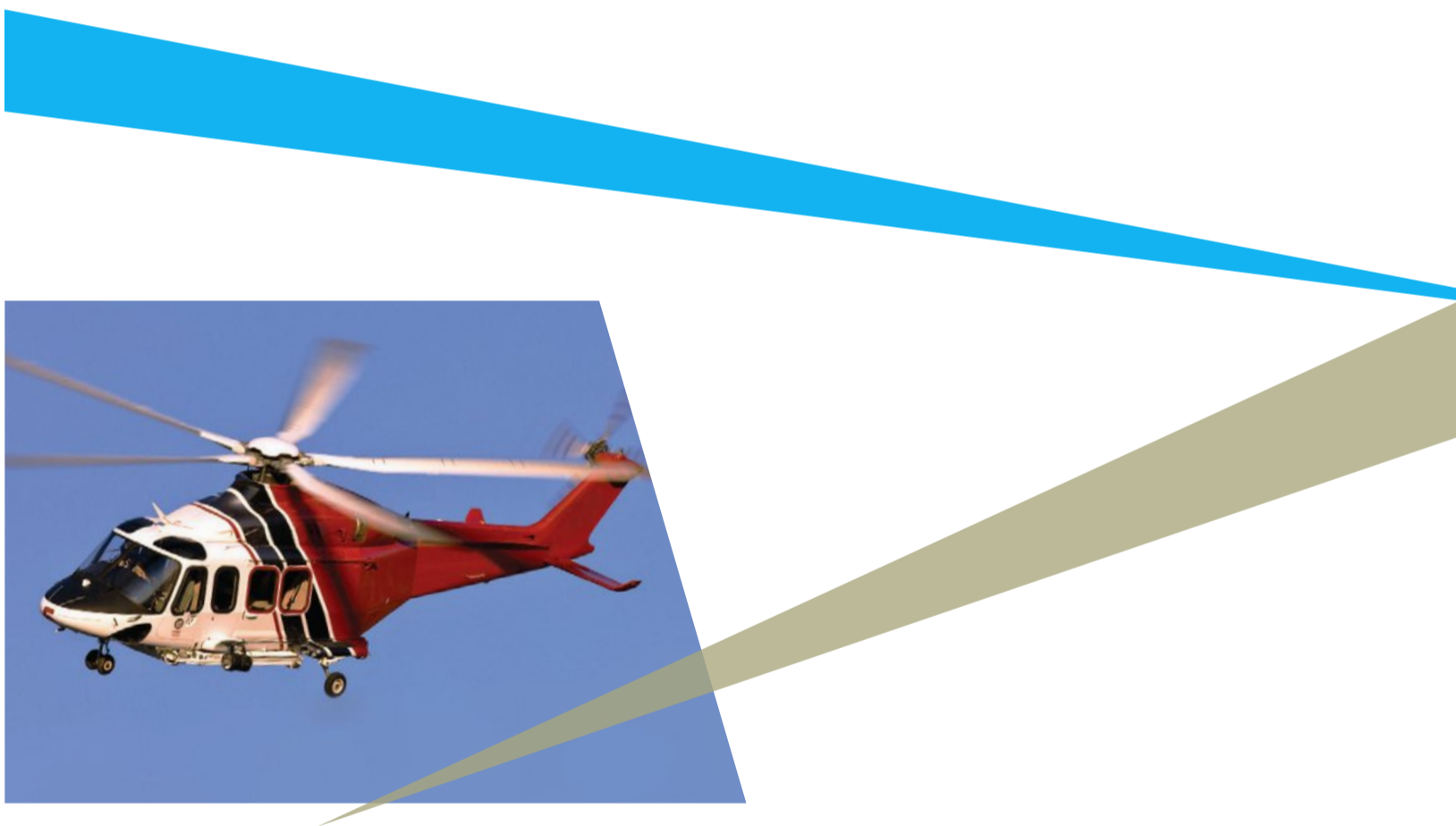**RT-7000PMR**
Revolutionary tactical
communications system

FAA Part 145/EASA145 certified repair station; ISO 9001 & AS9100 approved

MAINTENANCE, REPAIR, AND OVERHAUL (MRO) CAPABILITIES & ASSISTANCE

- 24/7 AOG on-call response
- Increased stock of rotable spares for exchange and outright sale
- Excellent average repair turnaround time (TAT) and on-time to delivery promises
- Dedicated FSEs to support equipment integration, installation, configuration, and setup
- Programming and operations technical support and training
- Equipment upgrades, conversions, modifications
- 2-year warranty on new equipment
- 1-year warranty on repaired equipment
- OEM repair station co-located with factory production and design engineering

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