

AIRCRAFT SATCOM/PHONE DIALERS



DO160 certified

PTA12

The PTA12-100 Dialer/Adapter is a compact Dzus mounted telephone interface with a full function Touchtone keypad, 16 digit LED display, and integral 'phone book' capable of storing 16 numbers.

AIRCRAFT AUDIO ACCESSORIES



TSO C50c, DO160

AA34

Canyon's Universal Radio Interface model AA34-300 is a mobile/FM radio audio interface. Features include floating key lines, RX and sidetone amplifier, floating audio lines in and out, and microphone amplifier with adjustable output.



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.



AA31

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



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.



JB37

The JB37 Series audio junction box efficiently connects aircraft transceivers and navigation receivers to audio selector and intercom units.

RS12, RS16, RS24

Canyon's remote switching modules allow large amounts of data or audio lines to be transferred with a single ground logic level.



TA Series

Canyon's TA Series Tray Adapter kits are a simple solution to alleviate height and mount variations (Dzus mount with tray mount) in avionics products.



LD12

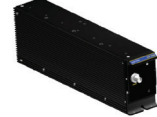
Canyon's LD12 light dimmer provides lamp dimming and test functions for lamps and annunciators independent from the aircraft's existing dimming system.



Model 210/211

Voice Activated Switches with unity gain and adjustable VOX. Powered and unpowered versions.

FLITELINE™ NAV/COM RADIOS & CONTROL DISPLAYS



Certifications: TSO C169, DO160, DO178, DO254, DO192, DO143, DO195

CVC-151/CVC-152

The CVC-151 VHF communication system is an all digital DSP transceiver with built-in SELCAL and ACARS capability. It supports FMS, RMS-555 and EFIS radio management system interfaces.



Certifications: TSO C66c, DO160, DO178, DO254, DO189

CDM-451

The Distance Measuring Equipment CDM-451 is an all digital DME with triple channel scanning DME. The transceiver is compatible with FMS's to support Nav auto-tune operation.



Certifications: TSO C34E, C35D, C36E, C40C, DO-160, DO186, DO178, DO254

CVN-251/CVN-252

The CVN-251 VHF navigation system is an all digital DSP system that combines VOR/LOC, Glideslope and Marker Beacon functions. It supports the total navigation interface requirements for MFD or moving map displays.

Panel-Mount Controls

Fliteline panel-mount controls install quickly and easily with minimal wiring changes when replacing many older radio controllers. Featuring LCD displays, they are NVG-compatible.



TSO C41C, DO160, DO189, DO178, DO254

DF-431B

The Automatic Direction Finder and AT-434A ADF Antenna, is an all-digital system designed to provide ADF navigation reception from NDB, LOM, and AM radio broadcast stations. It is ARINC 429 tunable and comes with optional CDF-552 Control Display.

ANTENNAS - MULTI-BAND, SINGLE-BAND



TSO C169A

AT-570/FC-570

The AT-570 is a multi-band, tunable antenna, intended for operation in general subsonic airborne applications with Canyon's special mission tactical radios.



AT-5000/FC-5000

The AT-5000 is a multi-band, tunable, VHF/UHF blade antenna system for use with the RT-5000 radio.



CI 295-300

Tri-Band Single Port airborne P25 antenna.

- VHF 136-174 MHz
- UHF 380-520 MHz
- UHF 764-870 MHz



TSO C169A

AT-160

The AT-160 is a multi-band, passive antenna. It is intended for operation in general subsonic airborne applications with Canyon's RT-5000 and RT-7000 radios.



SAR

The VHF SAR Antenna is a low-profile blade antenna for airborne Search & Rescue applications.



ADVANCED AVIONICS
for mission critical communications



CANYON

EVERY MISSION MATTERS



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

Aircraft Audio Management
Special Mission Tactical Radios/Antennas
NAV/COM Aircraft Radios

DIGITAL AUDIO MANAGEMENT

DACS Series

DACS is a communication management system designed to distribute and control all audio in an aircraft, to/from all transceivers, and aural alert sources. The integrated, multi-channel intercom system and programmable user definition allow the audio system to be configured to suit customer-specific requirements.

TSO C139, ETSO C50C, DO-160, DO-178



ACP51/ACP53/ACP54
Digital Audio Controllers



RM01
Memory Module



AMU50
Digital Audio Management Unit



PIA01
Pax ICS Amplifier

800 Series

Canyon's 800 Series Digital Audio Controllers work with Canyon's 700 Series Digital Audio Control Amplifier. The primary function is to provide microphone audio switching and keying operations for radio transmitters, receivers, and passenger address amplifier control.

TSO C50C, DO-160, DO-178



804/805 & 808/809
Dual User Digital Audio Controllers



700
Digital Audio Control Amplifier

803
Single User Digital Audio Controller

ANALOG AUDIO CONTROLLERS

Single User Controllers



TSO C50C,
DO160, DO214



TSO-C50C,
DO160, DO-214



AA24/AA25
Compact, cost-effective audio panels providing dedicated individual control for each user in larger multi-station installations.



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

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.

AA35

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



TSO C139, DO160



TSO'd and non-TSO'd versions available



Multi User Controllers

Model 300A

Designed for IFR, police, forestry, charter, corporate, and fleet platforms. Provides front panel support for 5 transceivers and 5 receivers, RX and ICS level controls for each side, and 3 ICS modes: LIVE/KEYED/VOX.

AMS43

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

AA92/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. Modes: LIVE/KEYED/VOX.



PMA certified



TSO 142A and non-TSO'd versions available



TSO C121B



AA12S

Compact audio controller with 4/6 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.

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.

AMS42/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 3 ICS modes: LIVE/KEYED/VOX.

N335

A fully-redundant audio solution for special mission aircraft where single or multiple user networks are required.

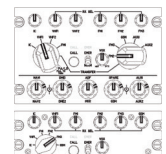
Military Controllers

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.

N300

The N300 Audio Controller supports low impedance military headsets. Includes audio, mic, and multiple receiver control with VOX ICS. Expandable via multiple unit tie lines. NVIS-B lighting for up to 9 transceivers, 7 receivers.



PMA certified



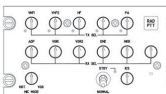
TSO C139, DO160,
DO214



TSO C50C,
DO160, DO170



TSO C50C,
DO160, DO170



TSO C50C,
DO160, DO214

AIRCRAFT INTERCOM SYSTEMS



TSO C50C

AA38

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



AA85

AA85 InterVox II Intercom provides full radio and intercom capabilities for the pilot and copilot, plus intercom and receiver radio functions for up to 4 passengers. The music input provides entertainment audio at all positions.

TSO C50C

AIRCRAFT AUDIO AMPLIFIERS



Type Certificated



Type Certificated



TSO C50C, DO170



TSO C50C, DO160



TSO C50C, DO160



TSO C50C, DO160

Model AA23

Speaker Amplifier for converting various headset or mic levels to speaker outputs.

Model 204

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

Model 240

Pax Speaker Amplifier designed to mix multi-source audio for output to cabin speakers.

Model 245

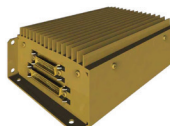
Speaker amplifier with high output and reduced distortion. Form, fit and function replacement for Collins 356F-3.

Model 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.

Model 247

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



TSO C50C, DO160



TSO C50C, DO160,
DO214



TSO C123B,
DO160, DO214



Model 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).

Model 263

Area microphone amplifier for matching various microphones to DC biased amplified dynamic mic input.

Model 265/267

Area microphone pre-amplifier 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.

Model 270

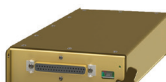
Universal Interface Amplifier provides multipurpose amplification and switching functions for radio, mic and customized audio interface needs, and VOX control.

DO160 Certificated

Model 438

Audio Control Amplifier is a remote command, controlled unit, capable of switching and separately controlling up to 12 receiver inputs and volumes, switches 5 sidetone inputs and an interphone line. Additional features.

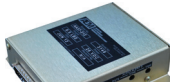
AIRCRAFT AUDIO/WARNING GENERATORS



TSO C50C,
DO160, DO214

630A

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



AA37

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

MULTI-BAND SPECIAL MISSION RADIOS

Flexcomm™ RT-5000 Series

Multi-band, multi-transceiver communications system capable of operating in AM/FM Analog bands from 29.7-960 MHz, plus FM APCO P25 coverage, and SAR Receiver option. Controlled by fully function C-5000 Control Management Unit, or by CD-5000 Compact Control Display Unit for conventional AM/FM tuning. Phase I Trunking, and DES, DES-XL, AES encryption and OTAR options.

FAA certified PMA, STC, DO160



RT-5000
Remote Mount, Multi-band Transceiver



C-5000
Multi-transceiver Control Management Unit



CD-5000
Control Display

RT-7000 Series

Latest generation, software defined, open system architecture communications system. Panel mount and remote mount versions. Multiple control display capability. Touch-screen or conventional interface. User programmable. AM, FM, APCO P25, Phase I/II Trunked, DES, DES-XL, AES, FIPS-140-2 encryption and OTAR.

DO160, DO178, DO254, Mil-Std 3009 NVIS-B, some versions have TSO



RT-7000PMR
Combined Panel Mount, Multi-transceiver and User Interface Display



RT-7000RMR
Remote Mount system



RCDU-7000
Control Display Interface Units



SAL-7000
With connectivity for up to 2 handheld radios, Skye Avionics' SAL-7000 provides a standardized connection from the RT-7000PMR tactical radio to more than 20 different FM handheld models.

SPECIAL MISSION RADIOS

VHF FM Radios



NPX138N

This family of self-contained, panel-mounted FM transceivers is designed as a stand-alone, tactical mission radio. The synthesized, frequency-agile transceiver allows easy access to all pre-programmed channels and the ability to modify or add channels on the fly.