

AA12S

InterVOX™ Stereo Audio Controller

2009 Data Sheet

COBHAM

The most important thing we build is trust

The critical function of any aircraft audio system is to provide clear, effortless flight crew and passenger communication. The AA12S InterVOX™ stereo audio controller is built to the highest quality standards, combining durability and performance with affordability.

The AA12S InterVOX™ utilizes a unique system of Active Noise Filtering (ANF™) through audio processing and selective bandwidth to produce clean crisp audio in a noisy aircraft environment. In addition, individual microphone gating is used for the best possible VOX performance. This produces stress-free communication, resulting in reduced flight crew fatigue and increased aircraft operational safety.

The AA12S features exclusive ICS tie line, allowing the unit to become part of a complex multi-

unit system as either a primary or secondary component. Audio systems can be designed to complement a multitude of aircraft types and mission roles by utilizing various expansion products.

The unique balance control design allows sources of audio to be spatially oriented, where radios and intercom audio can be adjusted to sound as though they come from different quadrants. This unique sound recognition feature allows a better level of incoming audio interpretation by the flight crew. The system can be adjusted to suit user preferences.

Product features include a front panel dual purpose amber/green VOX squelch light to aid in setting the VOX squelch control and indicate TX signal operation; Pilot Isolate mode; VOX, Live and

PTT modes; music and ICS volume controls; and internal adjustments for RX volume, RX Balance, ICS Balance, Music Balance, Bass and Music Mute, and side tone levels. Standard features include ANF™ (Active Noise Filtering), gradual return of music mute, pilot priority transmit override, patented individual microphone gating, automatic failsafe, and short circuit protection.

The AA12S accepts stereo music inputs from either a portable entertainment unit or a CD changer and outputs through an integrated wide band stereo music processor for high quality listening enjoyment.

The AA12S has been designed as a Dzus rail mounted product which can easily be installed in an aircraft communication suite with the applicable TA (tray adapter).



Features:

- 4 Stereo Headsets
- Pilot Priority Transmit
- Pilot Isolate
- ICS Tie Line
- Automatic Failsafe
- Music Volume
- 3 Com/4 Nav Selections
- Patented Mic Gating and Music Muting
- ANF™ Active Noise Filtering
- 11-30 VDC Input

Mechanical:

Height 1.13"
Width 5.75"
Depth 5.80" excluding mating connectors
Weight 1.2 lbs. (max.)

Patents:

Mic. Gating, Music Muting US Patent #4,941,187

Compliance:

DO-160D

For technical specifications, see [Install & Ops manuals on website.](#)

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