

# AA9x, AMS4x, 311

Audio Controllers

2009 Data Sheet

# COBHAM

The most important thing we build is trust

This extensive line of Multi-User audio controllers offer a wide range of features optimized to fit the widest possible cross-section of aircraft applications. Available in either single or dual channel configurations, these controllers are used in all types of helicopters as well as aircraft. Some models provide users with the ability to customize controllers to meet unique needs and missions.

## Single Channel

The AMS43 series are standard controllers providing transmit and intercom (ICS) capabilities for pilot and co-pilot plus intercom for passengers. "Auto-receive" function is standard along with selectable receive switches for COM and NAV sources. An ICS Tie line is provided to allow multiple controllers to be networked together. The AA95, AA96 and AA97 controllers are customized derivatives of the AMS43 and can be configured to meet customer specific requirements.

## Dual Channel

Designed for special mission applications, the AMS42, AMS44 and 311 have dual radio controls to independently select radio transmit and receiver audio. Dual channel configuration provides independent radio control for pilot and co-pilot in a single controller plus intercom support for crew and passengers.

The AMS42 and AMS44 have transmit capability for 5 COMs with "Auto-receive" function. The AMS44 has receiver monitoring switching for each COM plus 5 NAVs. The AMS42 has receiver monitoring switches for the first 4 COMs. COM 5 is set up for auto-receive only. NAV inputs are selectable by internal dip switches. The AA92H and AA94 series provide the ability to customize controllers for specific needs and missions.

## Intercom

An 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 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 to separate from the intercom system for complete isolation.

## Direct Inputs

Two direct inputs accommodate functions such as Rad Alt, GPS Alerts, Low Rotor, or Telephone ringer.

## Emergency Mode

Front panel selectable emergency mode switches the pilot's (and co-pilot's in Dual Channel models) headphones directly to the selected radios. Mic control is maintained via the transmit select switch for each available radio.



AMS43  
Single Channel  
Audio Controller



AMS44  
Dual Channel  
Audio Controller



311  
Single Channel  
Audio Controller (ITAR product\*)

## Mechanical:

H x W x D            1.88" x 5.75" x 6.77" excluding mating connectors  
Weight                2.70 lbs. (max.)

## Compliance:

AMS43 TSO        DO-170 Class IA, DO-160A Env. Cat. A1B1/A/PS/XXXXXXABABA  
AA95-XXX TSO    DO-170 Class IA, DO-160A Env. Cat. A1B1/A/PS/XXXXXXABABA  
311 TSO            DO-214, DO160D Env. Cat. [(A2)(F2)]-BBB[TU]XXXXXXZ[BZ]AZAUM[XXC2]XXA

\*Model 311 Audio Controller(s) are currently subject to US International Traffic in Arms Regulations (ITAR). They may not be exported, transferred, transshipped, or otherwise disposed of in any other country either in original form or after being incorporated into other articles without prior written approval of the US Department of State.

For technical specifications, see Install & Ops manuals on website.

For further information please contact:

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