AUDIO MANAGEMENT UNITS

AvtechTyee is the leading manufacturer of flight deck audio for the air transport and regional airline markets. AvtechTyee's Audio Management Units are available for many aircraft interfaces. Various system Architectures are available ranging from Digitally Controlled Audio Systems (DCAS) where the connection between the Audio Control Panel (ACP) and the Audio Management Unit (AMU) is digital and the audio is handled in the analog domain to a full digital AFDX fiber optic Ethernet systems where all communications are handled digitally.

AUDIO MANAGEMENT UNITS

Each architecture offered by AvtechTyee is unique to the airframe and each has its own merits and advantages. Contact Avtech to find out which system best meets the needs of your aircraft project.

- All systems certified to RTCA TSO C50c

- AMU's include built in speaker amplifiers

- Housed in standard ARINC 600 form factors

- Internal self-test capabilities allow technicians to diagnose problems without external test generators

- Full system solutions available including jack boxes, speakers, handsets, microphones, SELCAL and Audio Control Panels

- Can be directly interfaced with AvtechTyee's PACIS (Passenger Address and Cabin Interphone) systems for a flight deck to cabin audio solution

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The 5700 series Audio Management Unit (AMU) is standard equipment aboard the Boeing 777 and 767-400 aircraft. The system is fully digital whereby the Audio Control Panel communications to the AMU are based on the ARINC 429 communications protocol and the audio is handled in the digital domain within the AMU. The system features a full wraparound BITE audio injection test with BITE reporting via the ARINC 629 bus or discrete outputs.

The 5340 series of Audio Management Unit has been standard equipment since the inception of the Boeing 737-300 aircraft. The system feature AvtechTyee's proprietary multiplexing communications link to the Audio Control Panel and has built in speaker amplifiers allowing a simple un-amplified speaker to be used in the flight deck.

Derivatives of AvtechTyee's AMU's are flying aboard military aircraft such as the AWACS, Wedgetail, Peace Eagle and MMA P8 Poseidon aircraft as well as popular regional aircraft such as the Bombardier RJ series aircraft, CASA and IPTN CN-235 and the Saab 340 and 2000 aircraft

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