**Aeronautics and Space >** On-board Electronics

# AMS
# Audio Management System

*Audio Management System developed entirely by Tecnobit that allows the centralization of all audio devices on board the aircraft, as well as communication between crew members.*

## Main Advantages:

| | | |
|---|---|---|
| Centralized management of the aircraft's radio communication, radio navigation and intercom systems | Management of "clear audio" (for unclassified communications) and "secure audio" (for classified communications) | Robust audio for aircraft in hostile Operations Zones |
| Robust audio for aircraft in hostile Operations Zones | Fiber optic interfaces, thus guaranteeing interference-free communication | TEMPEST AMSG 784 certified, HW DO-254 DAL C, and SW DO-178 DAL C |

## Technical Characteristics :

- Audio Management System in fixed-wing and rotary-wing aircraft.

- The Audio Management System (AMS) carries out the **centralized management** of the aircraft's radio communication, radio navigation and intercom systems; with simultaneous control of "clear audio" (for unclassified communications) and "secure audio" (for classified communications).

  - **Radio communication systems**, such as V/UHF, HF, SATCOM, Tactical Data Link (MIDS).

  - **Radio Navigation Systems,** such as TACAN, VOR, ILS, ADF, DF.

  - **Intercom systems,** such as Passenger Address.

  - **Electronic Warfare Systems,** such as RWR aural warnings.

  - **Encryption Systems:** Clear Audio/Secure Audio Management (COMSEC).

- Currently installed in military aircraft such as the **A400M.**

- It guarantees the pilot a robust and centralized management of all the audio of his aircraft in **hostile Operations Zones.** It allows to operate in hostile environments with interferences thanks to the use of fiber optics.

- Management of up to **87 audio channels**.

- **Fiber optic interfaces**, thus guaranteeing interference-free communication.

- **TEMPEST AMSG 784** Certification.

- HW according to **RTCA/DO-254, DAL C.**

- SW according to **RTCA/DO-178, DAL C.**

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