

AMU6500

FEATURES

Standalone and modular expandable audio management unit

Low cost solution performing a crystal clear communication and numerous functions based on a 20-years-experience in digital audio technology

3D Audio

Intuitive human machine interface with enhanced usability

Tailored to the mission and aircraft configuration

Reduced interwiring effort

Individually programmable soft keys and functions



Mount.
DUZ

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OVERVIEW

The Becker AMU6500 is a standalone audio management unit, which was designed for small rotary and fixed wing aircraft. A modular and decentralized system design philosophy has been implemented to allow a maximum of flexibility during the system integration and to ensure optimum performance and reliability during in-flight operations.

The AMU6500 is the first state-of-the-art audio management unit using a display to enable various new functionalities with an enhanced usability. It is an interactive approach to modern cockpit designs offering a big range of personal configurations.

The crystal clear communication is based on a 20-year experience in digital audio management. The individually programmable soft keys and functions can be tailored to the mission and aircraft configuration. By combining the display and system architecture, the AMU increases the possibilities of intercom and multicast functions. New functionalities like 3d improve the flight awareness significantly. Modern connectivity like Bluetooth and USB are integrated as well.

The AMU6500 will be certified according ETSO-C139a, DO-214A, DO178C Level C, DO-254 level C and DO-160G.

BENEFITS

Interfaces (per Unit, can be multiplied by three)

- ▶ 4 Transceiver
- ▶ 4 Receiver
- ▶ 3 Fix Input
- ▶ 3 Stereo User
- ▶ Cockpit Speaker
- ▶ CVR
- ▶ Bluetooth
- ▶ Music/Sonar input (stereo)

Software Functions

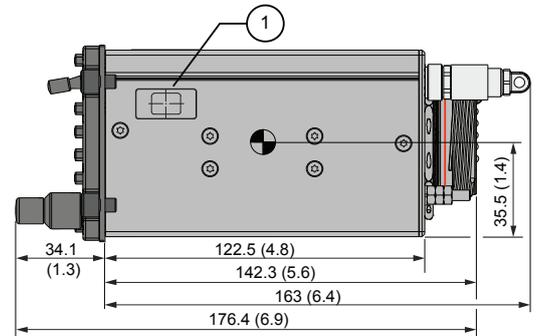
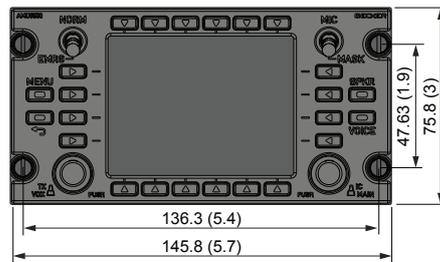
- ▶ Simulcast, Marker Mute, Vox Sensitivity Control and many more audio management functions
- ▶ ComReplay
- ▶ Internally Stored Voice Messages for Briefings or Alerts



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● CENTER OF GRAVITY

TECHNICAL DATA

Characteristics

Condition

Low Ground Survival Temperature	-55 °C
Low Short-Time Operating Temperature	-40 °C
Low Operating Temperature	-20 °C according Category D1 -40 °C (Becker extension)
High Ground Survival Temperature	+85 °C
High Short-Time Operating Temperature	+70 °C
High Operating Temperature	+55 °C
Altitude	50 000 ft
Decompression	applicable (Becker extension)
Overpressure	applicable (Becker extension)
Temperature Variation	5 °C per minute
Humidity	standard
Shock & Crash Safety	Fixed-wing and helicopter, standard
Vibration	Category S curve M Category U curve G
Magnetic Effect	1° deflection at 0.3 m
Radio Frequency Susceptibility	Bench testing supporting compliance to HIRF special conditions.