JACS-001 Audio Control System
Data Sheet

Description

The JACS-001 Audio Control System is designed to distribute and control all the transceiver, receiver, aural messages, microphone and intercom audio within the aircraft. Multiple users may operate the system via a choice of control panel types that communicate with the JACS-001 to set audio controls and relay system information.

The JACs-001 can be configured to support either low or high impedance headsets. It has an integrated speaker amplifier which allows the user to monitor receive audio without a headset or as a PA system for the passengers. By using a Windows® based application (ProCS™), configuration settings may be changed using a PC, even when the unit is installed in the aircraft.

Prioritizing essential radio traffic may be augmented using the integral 3D audio feature which allows the user to assign spatial locations within the stereo headset to each incoming audio signal.
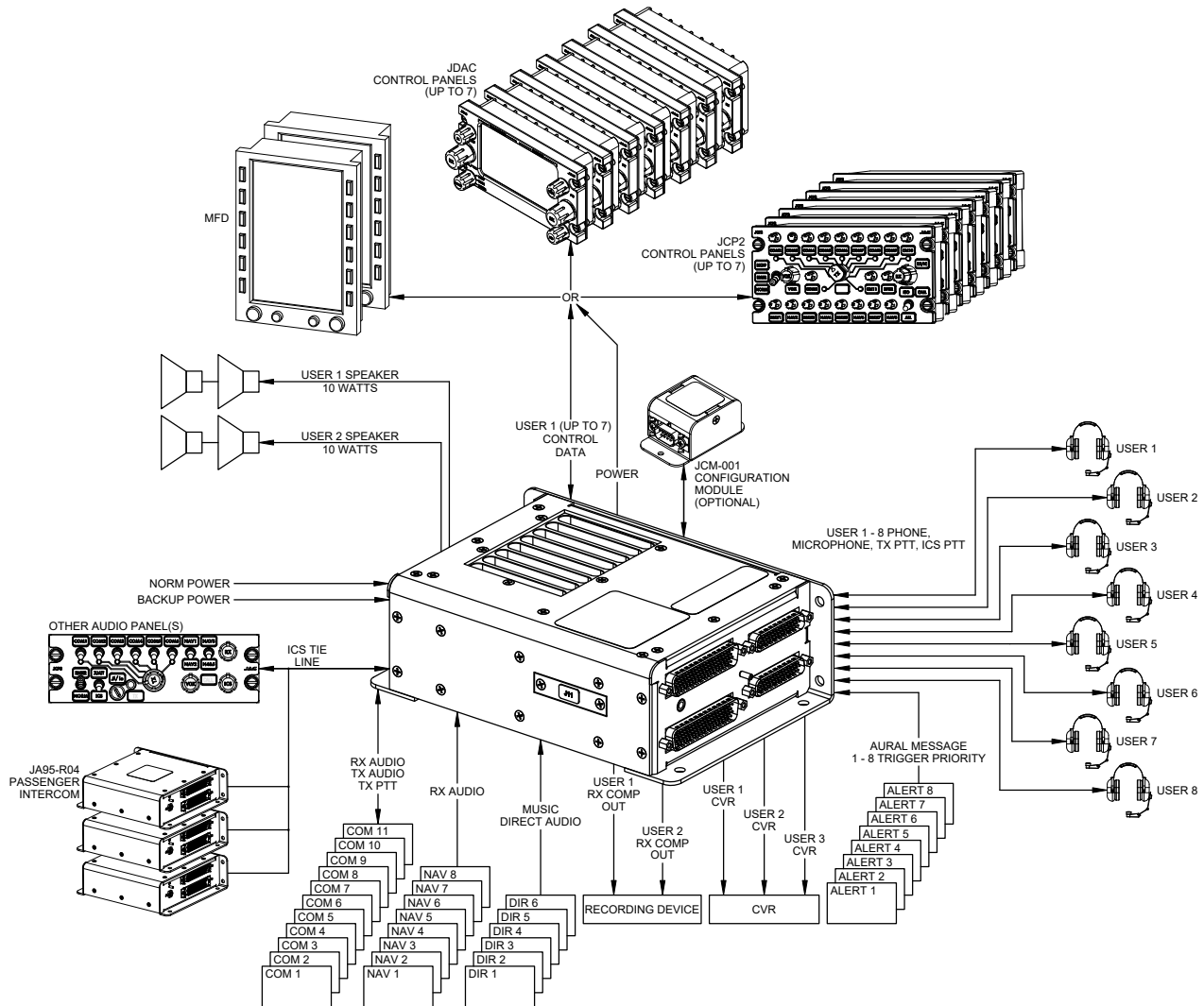
Features

- Supports up to seven user control devices and 8 users
- Supports up to 11 Transceivers and 8 Receivers
- Supports up to 6 direct audio inputs
- Supports up to 2 music inputs
- Supports up to 2 speaker/PA outputs
- supports 3 Cockpit Voice Recorder outputs
- Individual volume controls for all transceivers and receivers
- Adjustable input and output levels
- 8 channel Aural Message Generator
- RX mute capability
- High or Low Headset impedance capable
- Stereo phones output for 3D audio
- Normal / Backup and Emergency power modes

JACS-001 Specifications
Installation

Preliminary Environment and Performance

Electrical Power	28 Vdc @ 1.5 A max
Temperature Operational Survival	-45 °C to +70 °C -55 °C to +85 °C
Altitude	55,000 ft. max
Humidity	95%
Shock	6g (any axis)
Headphone (High or low impedance)	250 mW into 600 ohms; 250 mW into 8 ohms
Maximum Dimensions	2.55 x 5.22 x 7.81 inches (64 x 133 x 199 mm)
Weight	TBD
TSO Compliance	Contact JAC for TSO status
Installation Kit	INST-JACS

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