

# DHS-300

DIGITAL INTERCOMMUNICATION  
SYSTEM

DIGITAL AUDIO PROCESSING  
VOX AND HOT MIKE FEATURES  
HIGH AUDIO QUALITY  
EMERGENCY MODE





# DHS-300

## DIGITAL INTERCOMMUNICATION

DHS-300 manages airborne radios, receivers and units with voice alerts and also provides communication interface for pilot and copilot.

DHS-300, which has digital audio processing capability, meets reliable and high quality audio communication needs for noisy military environments.

With its reliable and rugged design, DHS-300 operates in severe environmental conditions on fixed-wing and rotary-wing platforms.

DHS-300 can be configured for communication with multiple users.

### Subassemblies

- DHS-300 consists of 2 (two) identical Audio Control Panels.

### General Specifications

- Radio Receiver/Transmitter Channels Control
- VOR, MB and TACAN Receivers Controls
- Navigation Receiver Channels Controls
- Controlled Direct Receiver Channels Support
- Uncontrolled Direct Receiver Channels Support
- Interphone Channel Management
- Voice Operated Transmit (VOX) Capability
- HOT MIKE Capability
- Sidetone Capability
- Voice Recorder Output
- DO-254 Certified Hardware
- DO-178B Certified Software
- Built In Test (BIT) Capabilities
- Initiated BIT
- Continuous BIT
- Power up BIT features
- Reporting BIT results through RS-485 serial interface

### Interfaces

- Analog Audio I/O Interfaces
- Serial Interface (RS-232/RS-485/RS-422)
- Discrete I/O Interfaces

### Physical Specifications

- Dimensions : 67 mm (H) x 146 mm (W) x 169 mm (D)
- Weight : < 1.4 kg

### Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption : 20W (Maximum)
- Power hold-up for short time power interrupts

### Environmental Conditions

- Operating Temperature and Altitude: -40°C / +70°C, 15.000 ft
- Storage Temperature: -55°C / +85°C

### Qualifications

- MIL-STD-810F
- RTCA DO-160G