ADHB-4 Generation 2

Advanced Digital Headset Box

The ADHB-4 Gen 2 is easy to install and configure dispatch audio system that adds microphone and speaker capabilities, in various forms, to a C-Soft console. The ADHB-4 Gen 2 replaces the sound card in the PC, offering the flexibility of controlling a wider selection of audio options.

Audio input and output is routed to devices by connecting a combination of headsets, desk mic, speakers, or a telephone to the unit. Electret and dynamic microphones are both supported. Additionally, a footswitch can be installed for hands-free operation. The unit can be mounted on the desktop or below it. Standard cable connections are made directly to a PC to access C-Soft, and an Ethernet connection for firmware upgrades, and unit configuration.

Audio parameters are set up within the web browser configuration software. Access to the radio dispatch system is provided by configuring the base IP Address, Subnet Mask, and Gateway within the ADHB-4 Gen 2 software. Additionally, the input and output gain control. **PTT** (Push-To-Talk) source, and PTT priority are configured for the connected audio equipment. Status is conveniently summarized on one window in the configuration software for quick evaluation of connected audio devices.

The front panel is equipped with a **TFT-LCD** (Thin Film Transistor-Liquid Crystal Display), allowing instant indications for ADHB-4 activity. The console operator can quickly determine which device audio is being routed to/from, as well as footswitch activity, volume, transmit status, and receive status. A bar graph indicates the headset volume level and can be changed with the volume buttons on the front panel. A system information menu is also available. Two **LEDs** (Light Emitting Diode) on the front indicates a network link and PTT. A single red LED on the left side panel indicates phantom power is enabled and disabled when dark.
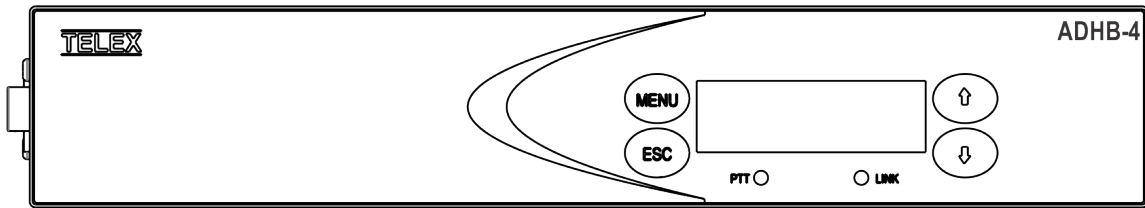
Softkeys on the front panel allow the console operator to adjust headset volume and installing technicians to change the IP Address and Subnet Mask.
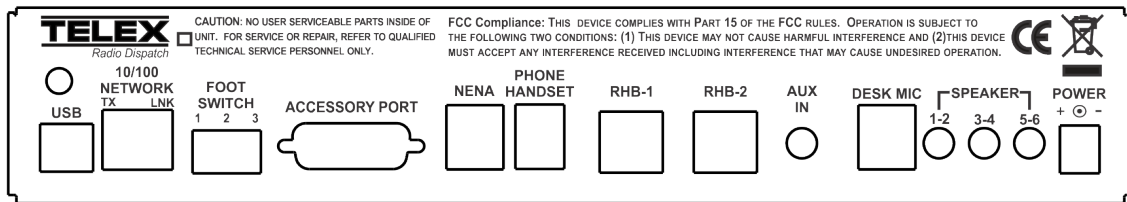
Features

- Ethernet Communications
- IPv6 compliant for addressing product configuration
- Six Audio Output Channels
- One Dual ¼" Headset Jack
- One XLR Connector to accept any Low Impedance Microphone
- Two Audio Input Channels
- One Desk Mic Jack
- One Phone Headset Port

- One NENA I/O Jack with Offhook Detection
- Supports up to three pairs of speakers
- Supports Any Standard Amplified Speaker
- Supports up to two RHB Gen 2 devices
- Supports Select and Unselect Audio with a Dual-Sided Headset
- LED for Network Link /PTT Indication
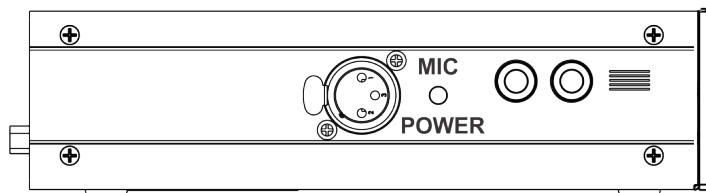- Host-synced Clock with 12- and 24-hour Modes

Specifications

Power Requirements	+12Vdc to +16Vdc, semi-regulated, 1.25mA nominal at 12Vdc
Audio Distortion	2% THD maximum
Frequency Response	±1.5dB, 300 to 3000Hz
NENA Input/Output Impedance	600 Ohms nominal
Relay Contact Ratings	1A 125VAC—Form C Contacts
Ethernet Speed	10/100BaseT
USB	Version 2.0
Storage Conditions	28.8°C to 48.8°C (-20°F to 120°F), 100% Non-Condensing
Operating Conditions	0°C to 55°C (32°F to 131°F), 100% Non-Condensing
Dimensions	2" H x 7.71" D x 11.36" W (50.8mm H x 195.83mm D x 288.54mm W)
Weight	5.20lbs/2.36kg (unit); 7.19lbs/3.26kg (shipping weight)

Front Panel

Rear Panel

Side Panel

Order Information

- ADHB-4-GEN2-US   Audio input/output interface

- ADHB-4-GEN2-UK   Audio input/output interface

- ADHB-4-GEN2-EU   Audio input/output interface

- RHB-1-GEN2   Remote headset volume control

- ADHB-4MTBRK   ADHB-4 mounting brackets

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