

Hear Technologies PROHB4AD Hear Back PRO Four Pack with ADAT and Network Cards

PROHB4AD includes: (4) PRO Mixers, (1) Hub Frame, (1) ADAT card, (1) Network Card, (4) 50' CAT6

This is it – the simplest, most affordable digital solution to get everyone the mix they need to perform their best. This new system platform is completely modular and infinitely expandable, which means it has become the last personal monitoring system you'll ever need.

With this system, there is no learning curve. Whether or not you've ever used a personal monitor mixer, the simple layout of this powerful system makes getting the right mix a quick and effortless experience. Based in Gigabit Ethernet, this framework paves the way for an impressive range of future possibilities.

The Hear Back PRO system consists of two main components: the Hub and the Mixer. The modular Hub consists of four card slots, which can be populated with any configuration of input and/or output cards to fit your exact needs. Each Hub has the ability to supply signal and power to as many as 32 Mixers (8 per Network Card), each over a single standard Cat5E/6 cable. And with the built-in HBus In/Out ports, multiple Hubs can be daisy-chained together, allowing for truly unlimited system expansion.

System Standouts

- Modular I/O Hub card system allows for system customization
- Large master knob controls overall main mix, AUX, and intercom levels independently
- Volume and panning control of all channels
- Direct and immediate visual feedback of all channels
- Support for sampling rates up to 192 kHz
- Selectable XLR or 1/8" Mixer AUX input
- Built-in intercom broadcasts the AUX source (mic, MP3 player, click, etc.)
- Intercom auto adjusts its own level so even the quietest message never goes unheard
- Supports secondary power supply to provide redundancy and power to up to 32 Mixers
- USB port on Hub makes updating firmware for future features and upgrades a simple drag-and-drop operation
- HBUS In/Out connections allow daisy-chaining Hubs and a wireless access point connection for use with the PRO's iOS App
- Side-mounted card slot on Mixer for future expansion
- Status indicating logos on Hub and Mixers make it easy to detect and diagnose problems, should they arise
- Write session info and channel settings on storable Mixer overlays for an unlimited number of presets
 - Instantly store and recall presets from memory with the push of a button
 - Most recent configuration is saved, even after power-down
- Hear Back PRO iOS App allows for complete control of all Mixers connected to the network

Hear Back PRO Hub Features

- **FIRMWARE V5 or later:**
 - Up to 32 input channels per Hub
 - Multiple Hubs daisy-chain for up to 128 input channels
 - Mix and match input types (ex. Dante and Analog)
- **FIRMWARE V1 and V2:**
 - Three switch selectable 16-channel input sources:
 - Input A (Slots 1 & 2)
 - Input B (Slots 3 & 4)
 - HBus
- Six user-selectable sample rates indicated by LEDs: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz and 192kHz
 - Note: Sample rates vary with interface cards:
 - Analog, Dante and AES/EBU – goes up to 192kHz
 - ADAT – goes up to 48kHz (SMUX not supported; ex. ADAT will down sample from 192kHz to 48kHz)
 - Waves – goes up to 96kHz
- Less than .25 milliseconds total system delay (latency) from analog input to output
- 16 RGB LEDs intuitively display signal/peak levels for channel metering
- Standard CAT5e/6 cabling delivers power and signals to Mixers
- Daisy-chain via HBus for very large systems
- 1 RU chassis
- Modular I/O card-slot configurable mainframe
- Gigabit Ethernet network fabric
- 48V Power Over Ethernet supply

Hear Back PRO Mixer Features

- **FIRMWARE V5 or later:**
 - Local control of up to 138 channels of audio (128 channels + Stereo AUX IN + up to 4 stereo intercom inputs)
 - Submix up to 16 stereo channels on each of the 16 knobs
- **FIRMWARE V1 and V2:**
 - Local control of up to 18 channels of audio (16 mono channels + AUX IN + Intercom IN)
- Volume/panning/stereo link control of all audio channels
- Remote control all settings from iOS App or another Mixer

- Receive power and audio over one Ethernet cable, up to 500' from Hub to each Mixer
- 24-bit Delta-Sigma D/A and A/D converters
- Store up to 4 recallable presets
- Intercom allows communication to anyone with a Hear Back PRO Mixer (up to 4 people at a time)
- 1/8" and 1/4" headphone outputs with 2.2 Watts of power per channel
- Balanced mono/stereo, line level outputs
- Selectable 1/8" TRS stereo unbalanced and XLR mono balanced (with 15V phantom power) AUX inputs:
 - Microphone input for crowd / ambiance mic or intercom use
 - Drum module / metronome or local mix input
- Built-in 5/8" threaded socket to mount Mixer to any standard mic or desk stand

PROHADAT ADAT card

Allows HB PRO Hub to communicate with audio equipment via ADAT protocol.

Features

- Simultaneously sends and receives 16 channels of digital audio
- Backwards compatible with the original 8-channel Hear Back system
- (2) optical ADAT TOS-Link inputs, (2) optical ADAT TOS-Link outputs, and (2) RJ45 HearBus outputs (for connecting to the original Hear Back system)
- Supports and automatically locks on to sampling rates of 44.1kHz and 48kHz
- Automatic sampling rate down-conversion is applied on the ADAT and HearBus outputs when the system is running at sampling rates over 48kHz
- (2) cards can be populated per Hub to allow A/B input switching between (2) banks of 16 channels
- Up to (4) cards can be populated to allow A/B input switching as well as a second set of dedicated ADAT outputs

PROHMNA Network Card

Provides (8) RJ45 Gigabit Ethernet ports for connecting Hear Back PRO Mixers, PRO Mixer Distros, or other Hear Back PRO Hubs. Each port provides PoE+ power and digital audio over a single Cat6 Ethernet cable that can be run up to 566 feet.

Network Cards can be used with Hear Back PRO Hubs (up to 4 can be populated in a single Hub) or PRO Mixer Distros.