



hear
TECHNOLOGIES®



Hear Back Mixer

Hear Back Hub

Tired of someone else controlling your mix?
What if you could control it yourself? Hear Technologies has designed a new personal monitoring system called the **Hear Back**. It changes the way monitor mixing is accomplished on stage or auditorium; as well as, in the studio. Imagine getting your mix exactly the way you want it. With the Hear Back, you save time and get the sound just right, the first time. This affordable system is perfect for headphones, wired and wireless in-ear monitors, and/or conventional floor monitors.

The Hear Back System: Hub & Mixers

A basic **Hear Back** system consists of a Hub and personal Mixers connected using standard CAT5e cables. A single Hub supplies signal and power to a maximum of eight Mixers. If that's not enough, the Hubs can be daisy-chained using the **HearBus In/Out** for virtually unlimited system size. The Hub can accept analog input signals from audio mixers, auxiliary, matrix, monitor, and/or direct outputs. The ADAT input can come from digital audio workstations, digital recorders, or digital mixers.

For front of house or remotely located digital mixers, we also have the **Extreme Extender ADAT In/Out** that converts ADAT optical, which has very limited distance, to the HearBus for transmission of up to 500 feet.

Our solution, **Hear Back**, has several key advantages:

- Virtually unlimited system size
- Very attractive pricing
- Excellent audio fidelity
- Built-in DSP Limiter
- Very long digital lines possible without loss of audio quality
- Audio inputs ADAT, analog, and the HearBus are switch selectable from the front panel
- Local control of up to ten channels of audio (8 inputs plus a stereo Aux input). Master Volume controls the level to the headphones, line outs and the Aux input to the line outputs
- Built-in DSP limiter - designed as a "brick wall" limiter for hearing protection and to protect monitor wedges from overload
- Headphone amplifier fault indicator - in case of over temperature, or a short, the red LED comes on to alert the user of a problem
- Bus Status Indicator - confirms proper connection to the Hub
- Link Indicators - whenever two pairs of mono inputs are linked for stereo operation, the link LED is illuminated
- Standard CAT5e power and signal connection - a cost effective, simple, non-obtrusive way to connect eight channels of audio. The cable is held in place with a built-in cable strain relief.
- Balanced Line-Outs, Mono/Stereo
- Stereo AUX In
- Mixer has a built-in mic stand mount and may be mounted to a standard mic stand or clipped onto a stand extension bar or clip
- High Power - Low Distortion headphone amplifiers

Hub Features:

- Three switch selectable 8-channel input sources:
 - ADAT® Optical
 - Analog
 - HearBus
- 24-bit A/D converters
- Digital inputs: 44.1KHz and 48KHz sample rates
- 3-LED, four-level metering
- Daisy-chain for very large systems
- Internal universal input power supply
- 1 RU chassis

Mixer Features:

- Local control up to ten channels of audio
- Master volume
- Built-in DSP limiter
- Built-in standard mic stand mount
- 24-bit D/A converters
- Bus status indicator
- Headphone amplifier fault indicator
- Mono/stereo link indicators
- Balanced line outs, mono/stereo
- Stereo AUX in:
 - Expand numbers of mixers
 - Drum module/metronome input

hear back system

