

HB-HD6 Headphone Distribution Amplifier

The HB-HD6 is a professional studio headphone distribution amplifier designed for broadcasting station and recording studio. It provides up to six channel headphone outputs with individual control. Each of the six channels can drive up to three set of headphones for a total of eighteen at the same time. The HB-HD6 also provides Parallel Thru main outputs which allows user to daisy-chain more headphone amplifiers together.

The HB-HD6 offers a stereo auxiliary input that allows user to sum an additional signal with the MAIN INPUT signal connected at the rear panel. An input mix control and a mono/stereo selector are on the front panel.

Easy Operation

The front panel is laid out clearly with six 6.3mm stereo headphone jack outputs with individual volume control and MUTE switch. A clip LED indicates that the headphone output level is too high and should be reduced in each channel. A rotary control can adjust the MASTER LEVEL from -9dB to +9dB with two clip LEDs indicate the left / right master input signal.

The rear panel is equipped with two COMBO inputs to accept XLR or 6.3mm TRS jack balanced line level signals, and two XLRs providing simultaneous line level thru outputs. Two stereo headphone outputs parallel through the front output on each channel.

Expandable System

Using standard XLR cables user can cascade as many HB-HD6 as needed to create a system for large listening purpose. Each channel can still individually control its signal level.

The HB-HD6 can be mounted in a single rack space flight-case, and the AC power input voltage is switchable (110V~120V or 220V~240V) for different countries.



HB-HD6 Headphone Distribution Amplifier

The HB-HD6 is ideal for recording studio, seminar listening, radio and TV broadcasting where monitoring audio distribution system must be flexible to install, easy to operate and completely transparent in operation.

Features

- Three parallel headphone outputs with individual level and mute control for each channel.
- Two balanced COMBO line level inputs.
- RFI Filters on all inputs. EMC-proof case significantly improves rejection of radio frequency interference.
- Loop output to connect additional HB-HD6 for extra headphone outputs.
- Stereo auxiliary input.
- Main input and Auxiliary input mix control.
- Master level adjustable with in ± 9 dB.
- Stereo / Mono switch.
- Peak indicators show overload of each headphone feed.
- Switchable power supply (110V~120V or 220V~240V).
- IEC-AC power receptacle



HB-HD6

Headphone Distribution Amplifier



Front Panel include :-

- Stereo Auxiliary Input
- Aux-Main Mix Control
- Stereo / Mono Switch
- Master Clip Indicators
- Master Level Control
- 6.3mm Headphone Outputs (6-ch)
- Individual Mute Controls (6-ch)
- Headphone Clip Indicators (6-ch)
- Individual Volume Controls (6-ch)
- Power Indicator



Rear Panel include :-

- IEC AC Power Input (Fuse Included)
- Main Power Switch
- 110V ~ 120V / 220V ~ 240V Voltage Switch (Change Fuse Current for different Voltage)
- 6.3mm Headphone Outputs (2 outputs for each channel)
- Parallel Thru Main Outputs
- Main Signal Inputs (XLR / 6.3mm jack COMBO)

TECHNICAL SPECIFICATIONS -

Audio Specifications

Input Impedance	Main Input	30k ohm Balanced (Main), 15k ohm Unbalanced Override
	Aux Input	30k ohm Balanced (Main), 15k ohm Unbalanced Override
Maximum Input Level	Main Input	+20 dBu
	Aux Input	+20 dBu
Power Output	Maximum 500mW per channel (Into 8 ohm to 600 ohm Headphones) Maximum Output Level +20dBu per channel	
THD + Noise	0.05% @ 1kHz at 500mW	
Frequency Response	+0 / -0.2dB 20Hz~20kHz	
Noise	-79 dB (A-Weighted)	
Individual Volume Control	-70 dB to +18 dB	
Master Level Control	-9 dB to +9 dB	
Main Output	Maximum +20 dBu	

Connections

Main Input	2 x COMBO XLR + 6.3mm TRS (Balanced can be wired Unbalanced)
Aux Input	2 x 6.3mm TRS (Balanced can be wired Unbalanced)
Main Output	2 x XLRM
Headphone Output	18 x 6.3mm TRS (Stereo)
Power Requirement	IEC, 110~120V or 220~240V

Physical Specifications

Dimensions	482 mm (W) x 44 mm (H) - 1U panel x 230 mm (D)
Nett Weight	3.8 kg

* In an effort to continually improve equipment performance, Hirosys reserve the right to alter the product specifications from those given in this brochure. Errors and omissions excepted.

Distributed by :

HIROSYS

BROADCASTING PRODUCTS

HiroSys Limited, 4 Kendal Gardens
Tockwith, York, YO26 7QR, UK

Phone / Fax : +44(0)1423 358024
Email : sales@hirosys.co.uk