

DATA SHEET

HDA IV (Code 2488/2489)

HDA IV.1 (Code 2488)
 HEADphone Distribution Amplifier for 4 x HD IV.1

HDA IV.2 (Code 2489)
 HEADphone Distribution Amplifier for 8 x HD IV.1

Headphone amplifier for 4 or 8 dynamic headphones



Overview

The HDA IV is a high-quality headphone amplifier for connecting several headphones, which is available in two versions: HDA IV.1 (code 2488) for the simultaneous connection of up to four dynamic HD IV.1 headphones, and HDA IV.2 (code 2489) for connecting up to eight of them.

In order to play back a recording in an aurally accurate way, the HDA IV must be connected to the programmable equalizer PEQ V.

The HDA IV is excellently suited, for example, for conducting listening tests with HEAD Square.



Features

- Headphone amplifier for the direct connection of up to 4 (or up to 8) dynamic headphones HD IV.1
- Aurally accurate, equalized playback in connection with the digital programmable equalizer PEQ V
- The HDA IV can be cascaded to increase the number of headphone outputs without loss of sound quality
- Factory-adjusted level calibration for each individual headphone HD IV.1
- Overload display
- Ground lift switch for protection against ground loops
- All inputs and outputs are protected against voltage peaks
- All outputs are short-circuit-proof

The programmable, digital equalizer PEQ V (accessory)

is used for the correct playback of aurally accurate recordings in the highest possible quality; it provides USB, AES/EBU and LINE as well as pulse and multi-channel interfaces.

The dynamic headphone HD IV.1 (accessory)

features an innovative membrane technology for a sound reproduction that is almost free of partial vibrations, delivering an extraordinarily natural sound impression with a high degree of spatial depth.

Delivered items:

HDA IV.1 (Code 2488)
 Quadruple headphone amplifier

Alternative:

HDA IV.2 (Code 2489)
 Octuple headphone amplifier

Cables:

PCC I.9x (code 997X)
 Power cable, country-specific

CXX II.03 (code 5177-03)
 2 x cable XLR male <-> XLR
 female, 3 pin (0,3 m/ 1 ft)

Manual

Optional:

HD IV.1 (Code 2380)
 Dynamic headphone

PEQ V (Code 2492)
 Digital, programmable
 equalizer

Technical specifications: HDA IV.1 / HDA IV.2

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|---|--|
| Headphone: | dynamic (typically HD VI.1) |
| Headphone output: | 6.3 mm / 0.25" stereo jack |
| Number of headphone outputs: | 4 (HDA IV.1) / 8 (HDA IV.2) |
| Analog inputs: | XLR, symmetrical |
| Nominal input level: | 1 V _{eff} corresponds to 94 dB _{SPL} |
| Max. input level: | 12.6 V _{eff} (symmetrical input voltage) |
| Max. power per channel: | 0.5 W |
| Max. power of all channels: | 4 W |
| Input resistance without transformer (standard): | 100 kOhm / 100 pF |
| Input resistance with transformer (optional): | > 12.5 kOhm / 100 pF |
| Analog outputs for cascading (electrically connected to inputs): | XLR, symmetrical |
| Voltage supply: | 85 V - 264 V / 47 Hz - 63 Hz |
| Power consumption | 15 W (HDA IV.1) / 20 W (HDA IV.2) |
| Temperature range for storage: | -40°C - 80°C / -40°F - 175°F |
| Temperature range for operation (with typ. headphone): | 0°C - 50°C / 32°F - 120°F |
| Temperature range for operation at full power: | 0°C - 50°C / 32°F - 120°F (HDA IV.1) / 0°C - 40°C / 32°F - 104°F (HDA IV.2) |
| Dimensions: | 327 x 44 x 230 mm / 12.9" x 1.7" x 9" (BxHxT) |
| Weight: | 2.05 kg / 4.52 lb |
| Transmission range without transformer at 114 dB: | 2 Hz - 20 kHz = +/- 0.15 dB |
| Transmission range with transformer at 114 dB (customized vers.): | 2 Hz - 20 kHz = +/- 0.3 dB |
| Dynamic range: | > 125 dB |
| S/N: | > 104 dB |
| Cross-talk attenuation: | > 109 dB |
| Distortion: | < 0.0015 % at 1 V _{eff} 1 kHz |