

HDA IV (Code 2488/2489)

Headphone amplifier for 4 or 8 dynamic headphones

- HDA IV.1 (Code 2488)
 HEADphone Distribution Amplifier for 4 headphones
- HDA IV.2 (Code 2489)
 HEADphone Distribution Amplifier for 8 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 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 an equalizer from HEAD acoustics.

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 open dynamic headphones from HEAD acoustics
 - HD IV.1
 - HD IV.2
- Factory-adjusted level calibration for each individual headphone
- Aurally accurate, equalized playback in connection with the binaural equalizers from HEAD acoustics
 - labO2-V1
 - labO2
- The HDA IV can be cascaded to increase the number of headphone outputs without loss of sound quality
- 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

Scope of supply

- HDA IV.1 (Code 2488)
 Quadruple headphone amplifier
 Alternative:
 - HDA IV.2 (Code 2489)
 Octuple headphone amplifier
- PCC I.9x (Code 997X) Power cable, country-specific
- 2 x CXX II.03 (Code 5177-03)
 Cable XLR 3-pin male ↔ XLR 3-pin female (AES/EBU), 30 cm (11.8")
- Manual

Optional

Equalizer from HEAD acoustics



labO2-V1 (Code 3731-V1)
 2-channel playback equalizer with Line outputs, headphone connector, and USB interface



labO2 (Code 3731)
 2-channel playback equalizer with Line outputs and USB interface

Open dynamic headphones from HEAD acoustics



HD IV.1 (Code 2380)



HD IV.2 (Code 2481)

Technical Data

Number of headphone outputs	
HDA IV.1:	4
HDA IV.2:	8
Headphone:	dynamic (typically HD IV.1)
Headphone output:	6.3 mm / 0.25" stereo jack
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 to 264 V / 47 Hz to 63 Hz
Power consumption	
HDA IV.1:	15 W
HDA IV.2:	20 W
Transmission range without transformer at 114 dB:	2 Hz to 20 kHz = ±0.15 dB
Transmission range with transformer at 114 dB (customized vers.):	2 Hz to 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
Dimensions:	327 x 230 x 44 mm (WxDxH) (12.9" x 9" x 1.7")
Weight:	2.05 kg (4.52 lbs)
Operating temperature (at full power)	
HDA IV.1:	0 °C to 50 °C / 32 °F to 120 °F
HDA IV.2:	0 °C to 40 °C / 32 °F to 104 °F
Storage temperature:	-40 °C to 80 °C / -40 °F to 175 °F