

A 1



Headphone Amplifier

Order # 484.326 (charcoal-grey)

Order # 491.446 (orange)



Features

- Intelligent circuit design with microcontroller capable of 96 kHz
- Volume control with high-grade ALPS potentiometer
- Two blue LEDs indicate the active signal input
- Multicolour power LED
- Headphone socket, 1/4" (6.35 mm) stereo jack
- Two stereo audio inputs for two sound sources (RCA)
- Two buttons to select the sound source
- Stereo output (RCA)
- Stand-by button

Description

The A 1 headphone amplifier has been developed to operate headphones with a nominal impedance from 30 to 600 ohms. It provides a better audio quality with a higher volume and stronger bass response. The special circuit design features an amazingly natural sound reproduction with an excellent resolution and spatiality. The entire circuitry is capable to transmit 96 kHz allowing the transmission of the whole frequency response of a SA-CD or DVD audio. Due to a microprocessor-controlled relay two high-class stereo sound sources can be selected silently and unpleasant cracking noise is avoided when turning the A 1 on /off or when changing the audio source. The volume control is made of solid aluminium with a high-grade ALPS potentiometer inside. The gold-plated RCA connections on the rear allow the connection of audio sources and provide a signal transmission without loss. A large dimensioned toroidal core transformer ensures high fidelity of impulse and dynamics. The combination of selected high-grade components inside the device allows even the highest-impedance headphones to be driven flawlessly over the entire frequency range. A high impedance at the headphones output ensures the control range of the volume potentiometer to be perfect for low-impedance headphones, too. One input is passively connected with the Line-Out of the A 1 to loop through incoming signals even when the A 1 is in stand-by mode. The A 1 has only to be powered up if you really want to enjoy your music using your headphones. Two blue LEDs on the front display the active signal input, another multicolour LED shows the operating status (stand-by or active).

Supplied Accessories

- Special cloth for cleaning and protecting the A 1
- High-quality stereo RCA cables
- Power cable

Technical Specifications

Input impedance	50 kΩ
Maximum amplification	18 dB
Frequency response	1 Hz - 100 kHz (-1 dB)
T.H.D.	0.001% at 170 mW / 250 Ω
Channel separation	> 89 dB
Output power	100 mW / 600 Ω 170 mW / 250 Ω 150 mW / 30 Ω
Unweighted signal-to-noise ratio	> 100 dB
Output impedances	Line Out (depending on the connected device), 100 Ω headphone output
Power consumption	< 15 W via internal, controlled power pack
Audio connections	Headphone socket, 1 Line output, 2 Audio inputs (gold-plated RCA sockets)
Dimensions	250 x 225 x 50 mm
Weight	approx. 2.3 kg

Germany

beyerdynamic GmbH & Co. KG
Theresienstr. 8
D-74072 Heilbronn
Phone +49 (0)7131 / 617-0
Fax +49 (0)7131 / 617-224
E-mail: info@beyerdynamic.de
Internet: www.beyerdynamic.de

United States

beyerdynamic Inc. USA
56 Central Ave.
Farmingdale, NY 11735
Phone +1 (631) 293-3200
Fax +1 (631) 293-3288
E-mail: salesUSA@beyerdynamic.com
Internet: www.beyerdynamic.com

Great Britain

beyerdynamic U.K. Ltd.
17 Albert Drive
Burgess Hill RH15 9TN
Phone +44 (0)1444 / 258 258
Fax +44 (0)1444 / 258 444
E-mail: sales@beyerdynamic.co.uk
Internet: www.beyerdynamic.co.uk