

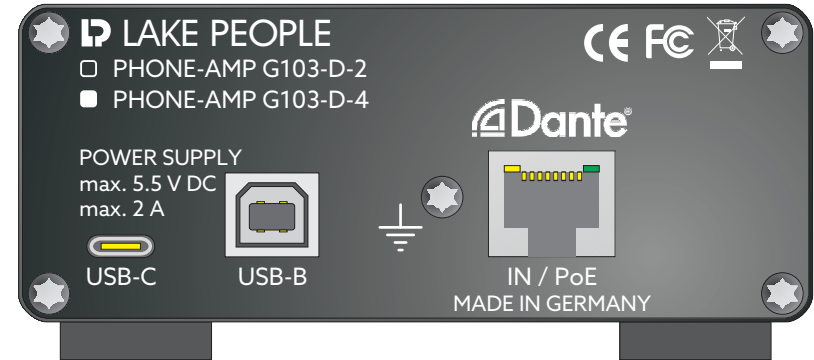
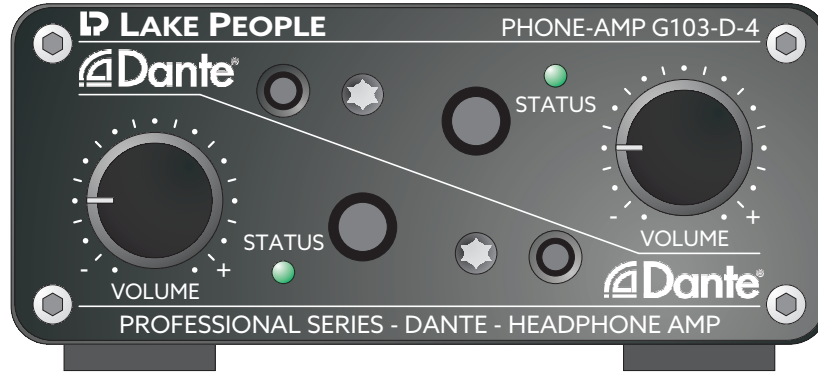


LAKE PEOPLE electronic GmbH



PHONE-AMP G103-D4

2 x STEREO DANTE HEADPHONE AMPLIFIER



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Phone-Amp G103-D is a headphone amplifier intended for Dante networks.

The G103-D4 model comes with a Dante 4/4 input and two independent stereo amplifiers.

24 Bit / 192 kHz D/A converters with a Signal-to-noise ratio >105 dB and THD+N as low as 0,002 % are driving the powerful headphone amplifiers.

These are best suited to drive any headphones from low to high impedance and with low or high sensitivity.

To adapt the amp to demanding headphones, to further reduce the noise level or to maximize the travel of the volume control, the gain is internally adaptable by Dip-Switches to optimize the amp.

The features:

- 4/4 Dante network input via RJ45
- 24 Bit D/A converter with SNR > 105 dB
- Alps volume control with good channel balance and low crosstalk
- powerful amplifiers
- 3 internal gains switchable
- 1/4" and 3.5 mm headphone connectors
- flexible power supply covering PoE, USB-B, -C

Function:

The Dante digital audio signals are input via a standard RJ45 connector.

G103-D4 will accept 4 audio channels.

The unpacked audio signals are input to two high quality D/A converters. The recovered analogue signals are buffered, attenuated in the analogue domain and then sent to powerful headphone amplifiers.

If required, additional gain of +6 dB or +12 dB can be set by Dip-Switches inside the amp.

Each amp section offers a 1/4" and 3.5 mm phone jack which may be used simultaneously.

Power supply for the amp is accomplished either by PoE (Power-over-Ethernet) or by a USB wall plug adaptor (not supplied) with USB-B or USB-C connector.

The case, front and backpanel of G103-D is made of rugged black anodized aluminum, the lettering is laser engraved. The volume knobs are also made of solid aluminium.

Accessories:

Mounting brackets for the over/under desk attachment and a fixture for microphone stands are available.

TECHNICAL DATA PHONE-AMP G103-D4

Input:	Dante digital audio
Connector:	RJ45
Channels:	4 (2x Stereo)
D/A converter:	24 Bit (up to 192 kHz)
Analogue level:	+9 dB for 0 dBFS
Additional Gain:	+6 / +12 dB, int. selectable
Frequency range:	5 Hz ... 90 kHz (-0,5 dB)
Dynamic range:	> 105 dB (A-wtd)
THD+N:	< 0,01 % (500mW / 100R)
Crosstalk:	< -80 dB (@ 15 kHz)
Output Impedance:	< 1 Ohm
Damping Factor:	50 (load 50 Ohms)
Max. output level:	> 9,5 Veff in 600 ohms = 115 mW > 8,1 Veff in 300 ohms = 220 mW > 7,1 Veff in 100 ohms = 500 mW > 6,1 Veff in 50 ohms = 750 mW > 5,2 Veff in 32 ohms = 830 mW > 2,7 Veff in 16 ohms = 440 mW
Outputs:	1 x 1/4", 1 x 3,5 mm phone jacks
Power supply:	PoE / USB-B, -C (5V max. 10 VA)
Case Dimensions:	105 x 42 x 165 mm (W x H x D)
Front Panel:	108 x 45 mm
Case Material:	black anodized Aluminium