

PHONE AMP G103 Mk II

can look back on a long line of ancestors, starting with the G3 from 1994 and continuing with the G93 from 2005. It has been constantly developed since then with the aim to make the "entry-level" Lake People headphone amplifier sound even better, make it more powerful and enhance stability. Over the years it has not only been valued by professionals for its sheer resilience.

Also at home its sonic competence is highly regarded.

The **PHONE-AMP G103 Mk II** is available in two versions:

PHONE-AMP S G103 Mk II (Standard) with unbalanced inputs via RCA sockets

PHONE-AMP P G103 Mk II (Professional) with balanced inputs via XLR sockets



PHONE-AMP G103 Mk II includes everything that is important to us:

- robust, indestructible amplifiers with high transmission quality
- Alps potentiometers for volume control with long-term stability
- more than adequately dimensioned internal power supply

PHONE-AMP G103 Mk II follows – as all headphone amps from Lake People - our technical guidelines which are still unique in their combination:

LOWEST NOISE

because of low internal gain. Therefore the self-generated noise from the amplifier is inaudible.

HIGHEST OUTPUT VOLTAGE

through high internal operating voltage which is remarkably higher compared to 90 % of all headphone amplifiers in the market. Therefore best suited for high impedance headphones.

HIGHEST OUTPUT POWER

because of powerful amplifiers able to deliver much more current a headphone needs. Therefore best suited for low impedance headphones.

HIGH DAMPING FACTOR

through lowest output impedance. Therefore best suited for full control even over critical headphones with the guarantee to have flatest possible response.

PRE-GAIN

5-fold adjustable gain for optimal matching to all sources and all headphones.



original size



original size

The Features:

- balanced inputs via gold plated XLR connectors **or**
- unbalanced inputs via gold plated RCA connectors
- PRE-GAIN: internal gain adaption in five steps
- Power stages with power op-amp OPA551
- NF transmission band exceeds 150 kHz (-3 dB)
- Output voltage > 14 V into loads > 600 Ohm
- Output power > 1200 mW into a load of 50 Ohm
- compact and extremely rugged aluminum case

Technical Data PHONE-AMP G103 Mk II

Line inputs balanced	2 x XLR, gold plated	crosstalk	-90 / -70 dB (1 kHz / 15 kHz)			
Line inputs unbalanced	2 x Cinch, gold plated	Headphone outputs	2 x 6,3 mm (1/4") phone jacks			
max. input voltage	+21 dBu	Max output level both channels driven	R _L (x2)	U _a (dBu)	U _a (V)	P _a (mW)
Frequeny range	5 Hz – 50 kHz (-0,5 dB)		600	25,3	14,3	340
Input impedance	10 kOhm		300	24,6	13,2	580
Pre-Gain absolute (dB)	--6/0/+6/+12/+18		100	22,4	10,2	1050
Overall gain	+6 dB		50	20,2	8,0	1280
Output impedance	< 0,1 Ohm		32	17,3	5,7	1000
Damping factor	500		16	10,8	2,7	440
THD+N (1 kHz/2x8 V/100 Ohm = 0,8W)	-100 dB (A-wtd.)		Power supply	230 / 115 V AC / max. 10 W		
THD+N (1 kHz/2x4 V/32 Ohm = 0,5W)	-102 dB (A-wtd.)	Case	4 mm aluminium, black anodized			
Noise	-102 dBu (A-wtd.)	Front / Back	3 mm aluminium, black anodized			
Dynamic range (@ 600 Ohm)	> 127 dB (A-wtd.)	Dimensions (case)	168 x 47 x 165 mm (WxHxD)			



LAKE PEOPLE *electronic GmbH*

*development and
manufacturing of
audio electronic*

*Turmstraße 7a
78467 KONSTANZ
GERMANY*

*Tel. +49 (0) 75 31 73678
Fax +49 (0) 75 31 74998
www.lake-people.de*