

# PHONE AMP G105 Mk II



is the highly variable and significantly more powerful version of the G103.

The similar G95 has been in the portfolio since 2004 and has been constantly developed with the aim of becoming more powerful, more functional and better in terms of sound and mechanical stability.

While the G103 is "just" a powerful headphone amp, **G105 Mk II** offers useful additional functions to serve as a potent and universal tool in the studio.

It features a balance control which becomes a mixer between the two inputs when "MONO" is selected.

The "PHASE" function inverts the right channel to check the stereo image. Two different signals can be heard at the two headphone outputs via the "SPLIT" switch.

This functionality makes it unique in the market.



original size

**PHONE-AMP G105 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 G105 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**

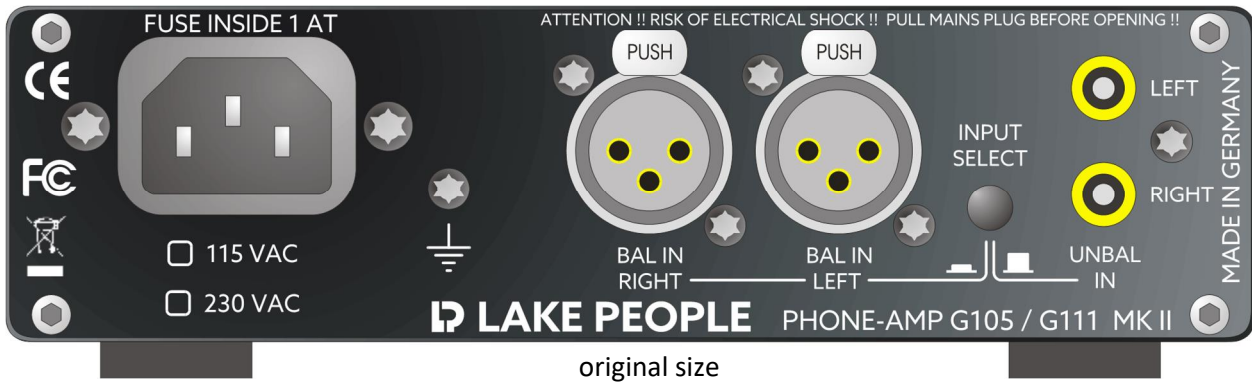
because of powerful amplifiers able to deliver much more current a headphone needs. Therefore best suited for low impedance headphones.

## **HIGH DAMPING FACTOR**

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

## **PRE-GAIN**

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



**The Features:**

- balanced inputs via gold plated XLR connectors
- unbalanced inputs via gold plated RCA connectors
- PRE-GAIN: internal gain adaption in seven steps
- Alps volume and balance control with massive 25 mm aluminium knobs
- Power stages with power op-amp OPA551
- Mode switch: Mono - Stereo - Phase
- NF transmission band exceeds 150 kHz (-3 dB)
- Output voltage > 17 V into loads > 300 Ohm
- Output power > 2000 mW into a load of 100 Ohm
- 2 x 6.3 (1/4") headphone connectors with Split function
- toroidal transformer with large smoothing capacity
- compact and extremely rugged aluminum case

Technical Data PHONE-AMP G105 Mk II						
Line inputs balanced	2 x XLR, gold plated	crosstalk	-95 / -85 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 <sub>L</sub> (x2)	U <sub>a</sub> (dBu)	U <sub>a</sub> (V)	P <sub>a</sub> (mW)
Frequeny range	5 Hz – 50 kHz (-0,5 dB)		600	26,9	17,3	490
Input impedance	10 kOhm		300	27,2	17,7	1050
Pre-Gain absolute (dB)	-18/-12/-6/0/+6/+12/+18		100	25,2	14,1	2000
Overall gain	+6 dB		50	20,7	8,4	1400
Output impedance	< 0,125 Ohm		32	16,4	5,1	820
Damping factor	400		16	9,8	2,4	370
THD+N (1 kHz/2x10 V/100 Ohm = 1W)	-105 dB (A-wtd.)		Power supply	230 / 115 V AC / max. 10 W		
THD+N (1 kHz/2x4 V/32 Ohm = 0,5W)	-100 dB (A-wtd.)	Case	4 mm aluminium, black anodized			
Noise	-100 dBu (A-wtd.)	Front / Back	3 mm aluminium, black anodized			
Dynamic range (@ 600 Ohm)	> 126 dB (A-wtd.)	Dimensions (case)	168 x 47 x 165 mm (WxHxD)			



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