

PHONE AMP G108

combines the advantages of the G105 Mk II with a four-channel amplifier for true balanced playback over headphones. There is a 4-pin XLR connector on the front for this purpose.

While the balanced operation of headphones with all its advantages has found a broad base among music lovers, this type of playback is not yet very widespread among professionals. **G108** steps up to change that!!

Like the G105 Mk II, **G108** also offers useful additional functions such as a balance control, which becomes a mixer between the two inputs when "MONO" is selected, further a "PHASE" function, which inverts the right channel to check the stereo image.

This functionality and the true four-channel headphone operation make it unique on the market.



PHONE-AMP G108 includes everything what 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 G108 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

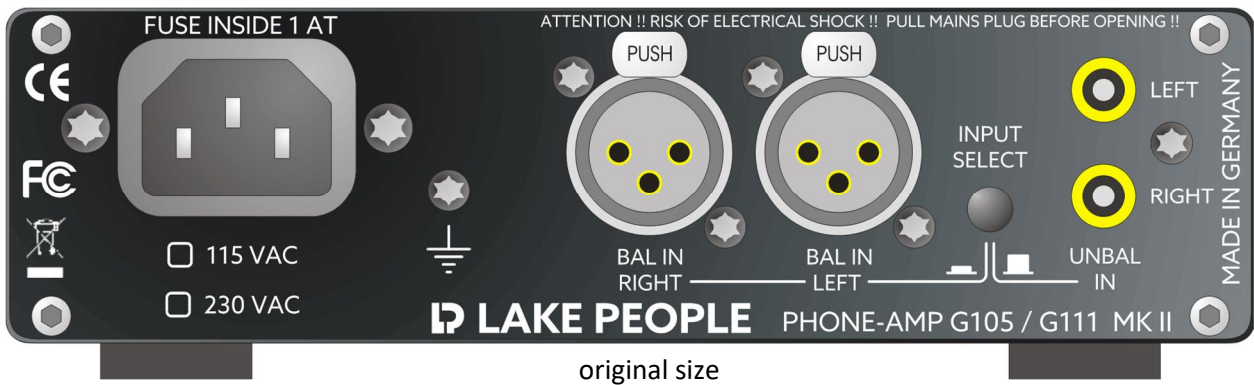
because of powerful amplifiers able to deliver much more current a headphone needs. Therefore best suited for low impedance headphones.

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
- True balanced playback with 4 amplifiers featuring power op-amp OPA551
- Mode switch: Mono - Stereo - Phase
- NF transmission band exceeds 150 kHz (-3 dB)
- Output voltage > 20 V into loads > 600 Ohm
- Output power > 2700 mW into a load of 100 Ohm
- 6.3 mm (1/4") unbal TRS headphone connector + 4-pin XLR bal headphone connector
- toroidal transformer with large smoothing capacity
- compact and extremely rugged aluminum case

Technical Data PHONE-AMP G108 Mk II						
Line inputs balanced	2 x XLR, gold plated unsym.	crosstalk	-95 / -85 dB (1 kHz / 15 kHz)			
Line inputs unbalanced	2 x Cinch, gold plated	Headphone outputs	6,3 mm (1/4") TRS / 1 x 4-pol XLR			
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	28,3	20,2	680
Input impedance	10 kOhm		300	27,4	18,2	1100
Pre-Gain absolute (dB)	-18/-12/-6/0/+6/+12/+18		100	26,6	16,6	2700
Overall gain (unbal/bal)	+6 dB / +12 dB		50	22,4	10,2	2100
Output impedance (unbal/bal)	< 0,125 Ohm / < 0,25 Ohm		32	20,1	7,9	1950
Damping factor (unbal/bal)	400 / 200		16	15,3	4,5	1250
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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