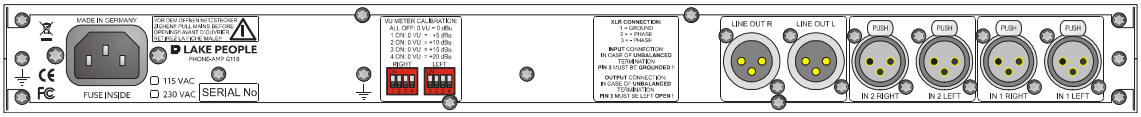
PHONE-AMP G118

The Lake People **PHONE-AMP G118** is a balanced headphone amplifier based on the circuits of the approved and valued PHONE-AMP G111 but in a 19", 1 U case. Besides the outstanding reproduction qualities G118 offers a Mono / Stereo / Phase-Reverse switching, Pre-Gain on the front panel, X-FEED and a VU-Meter for level control.



The connectors on the back (stereo):

- two balanced inputs (Input 1 und 2) via gold plated XLR sockets
- one Slave output, balanced via gold plated XLR. Here, the active input signal without attenuation can be found.

The inputs are selected by a toggle switch, the active input is displayed by a LED.
Volume is controlled by a high-quality Alps RK27 potentiometer with 41-detent for precise settings.
The 25 mm knob is made of solid aluminium.
The MODE switch allows the source to be reproduces in MONO, STEREO or with the right channel phase reversed.

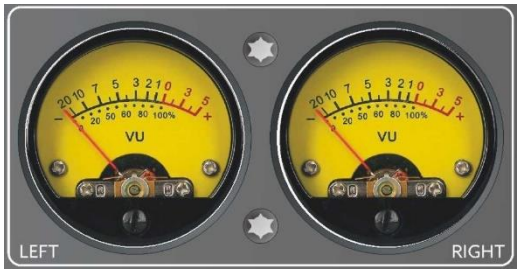
Because of the unique **Pre-Gain** function on the front panel virtually any headphone is perfectly adaptable. The Pre-Gain function offers six positions from -18 to +12 dB in steps of 6 dB.

The **X-Feed** function serves to reduce the "In-Head-Localization" which is often found to be annoying when listening with headphones.
X-Feed is activated by a switch and continuously variable with reasonable amounts.
The active state is displayed by a LED.

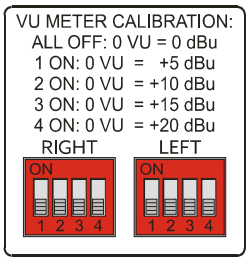
The "Illumination" trim is accessible with a small screwdriver and serves to adjust the brightness of the LEDs and the VU meters to the environment.

Special attention was paid to the headphone amps inside PHONE-AMP G118. They consist in principle of two G111 amps and are able to supply balanced headphones "as it should" due to the four power stages.
The transistorized amplifiers provide highest transmission quality and grant all what is essential for us concerning headphone amplifiers:

LOWEST NOISE
because of low internal gain. Therefore, the self-generated noise from the amplifier is inaudible.
HIGHEST OUTPUT VOLTAGE
through 50 Volt internal operating voltage. Over 90 % of all headphone amplifiers in the market offer not half that voltage !! 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 and even magnetostatic cans !!
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.



The illuminated VU meters will show the level of the input signal.
The sensitivity is adjustable on the back of the case from 0 dBu up to +20 dBu.



The headphone connectors are situated on the front panel. The 1/4" (6.3 mm) sockets serve to connect „standard" headphones while the 4-pin XLR enables the connection of balanced headphones to take advantage of the full potential of the four power stages of the headphone amplifier.

Technical Data PHONE-AMP G118
(all values RMS unwtd. 10 Hz – 20 kHz):

Inputs, Analogue, Stereo:	2 x balanced, XLR, gold plated
Input Parameter:	10 kOhm Impedance, max. +22 dBu
Frequency Range:	5 Hz – 80 kHz (-0,5 dB)
Crosstalk:	< -100 dB @ 1 / 15 kHz
THD+N:	< -100 dB
Dynamic Range:	> 125 dB
Slave Outputs, Stereo:	1 x balanced, XLR, gold plated
Output Parameter:	1 Ohm Output Impedance, max. +26 dBu
Headphone Amp:	2 x 1/4" (6,3 mm), unbalanced, silver plated 1 x 4-pol XLR, balanced, gold plated

Headphone Amp

Max. Output Level
@ 1 kHz / < 0,1 % THD+N

Both Channels driven

	Unbal Outputs		Bal Outputs	
Rl (Ohm)	Ua / V	Pa / mW / Channel	Ua / V	Pa / mW / Channel
600	15,2	380	27,1	1200
300	14,7	720	26,3	2300
100	13,0	1700	18,7	3500
50	9,7	1900	10,5	2200
32	6,9	1500	6,9	1500
16	3,5	750	3,4	720

Power Supply:	115 / 230 V AC, max. 15 VA
Case:	Stainless Steel
Front:	Aluminium, black anodized
Case Dimensions:	19 x 1,75 x 6,5 " (WxHxD) / 483 x 44 x 166 mm (BxHxT)
Over All Dimensions:	19 x 1,75 x 7,4 " (WxHxD) / 483 x 44 x 188 mm (BxHxT)