

The **HPA V101** is a new headphone amp in the Violectric program to complete the range with an entry amp. It is based on the successful Lake People / Violectric amp technology and offers with its special transistorized circuitry a very neutral sound with a touch of warmth.

While professionals praise the indestructible mechanical and electronical quality, private users love the exceptional sound quality. **HPA V101** includes all construction details important for us:

- transistorized amplifiers for unmatched transmission quality
- smooth performing RK 27 Potentiometer for volume control
- oversized power supply with toroidal transformer

The advantages:

- **LOWEST NOISE**  
because of low internal gain. Therefore, the self-generated noise from the amp 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.



picture: original size

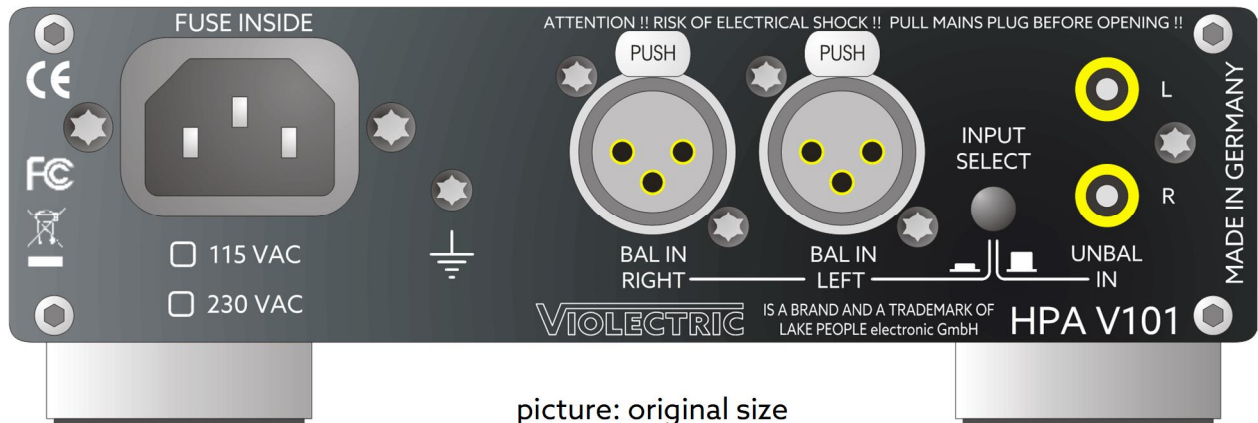
**HPA V101** features:

- 2 Stereo inputs, balanced via XLR and unbalanced via RCA
- +/- 18 dB Pre-Gain internally switchable in 7 steps of 6 dB to perfectly adapt the amp between source and headphones
- Volume control with RK 27 attenuator with perfect channel match and lowest crosstalk
- Big 25 mm solid aluminium Knob
- powerful stereo amp, 2050 mW Pmax into 50 Ohm, > 18,9 V RMS into 600 Ohm
- Delayed switch-on, instant cut-off of the headphone connectors on power on/off
- Headphone outputs: 2 x 1/4" (6,3 mm) jack, unbal.
- built-in power supply with 10 W toroidal transformer

### Function:

One of both line inputs on the back can be activated by means of a switch. The input signal is fed to the 7-stage pre-gain circuitry followed by the volume attenuator, the attenuated signal are passed to the power amps and than available on the output sockets.

Connect your headphones to the **HPA V101** and enjoy a compact and fantastic sounding headphone amplifier with the praised warm but natural and precise Vioelectric sound !!



### Technical Data:

All Data RMS unwtld., 20 Hz - 20 kHz, Pre-Gain set to 0 dB

#### Input parameter

Inputs (stereo): 1 x XLR balanced, 1 x RCA, unbalanced

Max. input level: + 21 dBu,

Input impedance: 10 kOhm

#### Headphone amp parameter

Nominal input sensitivity: +6 dBu

Amplifier gain: +6 dB

PRE-GAIN: -18 / -12 / -6 / 0 / +6 / +12 / +18 dB

Frequency range: 5 Hz ... 250 kHz (- 0,5 dB)

Output impedance: 0,125 Ohm

Damping factor (Load 50 Ohm): 400

Dynamic range: > 129 dB (A-wtd)

Noise: < -101 dBu (A-wtd)

THD+N (1kHz/2x10V/100R = 1W): < -100 dB / < 0,001 %

THD+N (1kHz/2x4V/32R = 0,5W): < -102 dB / < 0.0008 %

Crosstalk: -110 dB (1 kHz) / -95 dB (15 kHz)

Headphone outputs: 2 x 1/4" (6,3 mm) TRS jack, unbal.

| Headphone output data<br>(both channels driven) |                        |                    |                     |
|---|------------------------|--------------------|---------------------|
| R <sub>L</sub> (Ohm)                            | P <sub>L</sub> (mW) x2 | U <sub>A</sub> (V) | U <sub>A</sub> (dB) |
| 600   | 600                    | 18,9               | 27,7                |
| 300   | 1050                   | 16,5               | 26,5                |
| 100   | 1750                   | 13,2               | 24,6                |
| 50  | 2050                   | 9,2                | 21,5                |
| 32  | 1400                   | 6,2                | 18,0                |
| 16  | 770                    | 3,5                | 13,1                |

#### General

Supply voltage: 230 V AC / 115 V AC max. 10 VA

Front, Back, case: Aluminium, black anodized

Case dimensions: 170 x 49 x 165 mm (B x H x T)

Overall dimensions: 170 x 57 x 197 mm (B x H x T)