

**LA** Lehmannaudio®

# Linear Linear USB

Headphone Preamp



## The reference among the headphone amplifiers

Already since 2004 the Linear has made all common headphones to shine at their very best. Extremely demanding users rely on our top model, from the West German Broadcasting Corporation to the audiophile TACET label to Sennheiser's and AKG's headphone experts. It's not without reason that the Linear belongs to the reference class in its genre.

As soon as you put on your headphones, the Linear will reveal your favourite tracks in all their glory over the entire frequency bandwidth by virtue of its physical, punchy lows and delicate resolution. Carefully selected components and an extremely sophisticated circuit design establish the foundation of our number one.

### A universal champion

With three gain settings it gives you an impressive listening pleasure, keeping an eye on your needs anytime – and this using a vast array of headphones on the most diverse sound sources.

If you want to enjoy your musical treasures via PC or iPad, the Linear with the optional USB feature offers the solution. Here the Linear USB will automatically recognise an incoming USB audio data stream.

For a double musical relish our multiple test winner will be happy to feed two headphones at the same time. A propos: if you wish so, the Linear will also stimulate your active speakers to a stunning vitality. In every situation a magnificent sound, always striving for perfection – such is our Linear.

### Highlights

#### Features

- reference class headphone amplifier for all dynamic headphones
- maximum gain adjustable up to 20 dB
- discrete zero global feedback Class A output stage for open and natural sound
- oversized internal power supply
- two headphone connections with gold-plated Neutrik headphone sockets
- low-loss MKP capacitors for the audio path
- drives long cable runs when used as single source preamplifier

#### Options

- aluminium face plate available in silver, black or chrome

#### Accessories (optional)

- mounting kit for vertical or horizontal fixation

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Made in Germany

# Tech Info

## Analogue section

<b>Input impedance</b>	47 kohms
<b>Maximum gain</b>	0 dB, 10 dB, 18 dB, 20 dB selectable via DIP switches
<b>Frequency response</b>	10 Hz (-0.3 dB) to 35 kHz (-1 dB)
<b>Signal to noise ratio</b>	> 95 dB at gain 0 dB
<b>THD</b>	< 0.001 % at 6 mW/300 ohms
<b>Channel separation</b>	> 70 dB at 10 kHz
<b>Output power</b>	• 400 mW/60 ohms • 200 mW/300 ohms
<b>Output impedance</b>	• Line Out 60 ohms • Headphones Out 5 ohms
<b>Connectors audio</b>	• Neutrik headphone jacks with gold plated contacts • 1 x switching Line Out • 1 x non switching Line Out • gold plated RCA sockets with teflon insulation • Linear USB: Mini jack Stereo (Loop Out/Line In) 3.5 mm

<b>Power consumption</b>	10 W
<b>Outer dimensions W x D x H</b>	110 mm x 280 mm x 50 mm
<b>Weight</b>	1.5 kg netto

## USB-DAC (Linear USB)

<b>Sampling rate digital</b>	up to 48 kHz
<b>Resolution</b>	16 Bit
<b>Maximum voltage</b>	1 V eff.

Version: July 2014. Subject to change without prior notice.

## Press Commentaries

### AUDIO

'... delicately resolving with every headphone, musical and revealing a clarity that none of the other test candidates could rival (...) With or without USB the best solid-state headphone amplifier to ever perform at AUDIO's since the beginning of the test series.'

AUDIO/12 2010

### WHAT HI-FI? SOUND AND VISION

'As far as sonic performance is concerned, it's the best we've come across.'

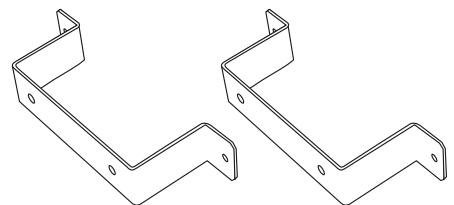
What Hi-Fi/11 2009

### Hi-fi news

'It measures well and delivers unusually clear insight into the "how?" and "why?" aspects of music making, not just the "what?". (...) A fine sound at a great price.'

Hi-Fi News/10 2009

## Accessories (optional)



With our mounting kit your Linear mounts quite easily and inconspicuously on furniture and walls.