

LA Lehmannaudio®

Linear USB II

Headphone Amplifier
Streaming Preamp

LA Lehmannaudio

Sound voyage with your ears

Since 2004 the Linear has thrilled all music lovers who expect their hi-fi amplifiers to perform at their best also with headphones. Can this success story still be surpassed? Yes, it can – and how!

The Linear USB II comes up with a digital-analogue converter of the latest generation and a fully revised analog board using the high-grade Low-Z Copper technology. Physical, punchy lows and a filigree resolution over the entire frequency bandwidth: you will never again consider your headphones just as a makeshift solution.

Best of both worlds

Keeping an eye on your needs at any time, the Linear USB II delivers an impressive listening enjoyment due to its three gain settings – even with the most diverse headphones on very different sound sources. As a headphone amplifier and preamp it joins the carefully selected components and sophisticated circuitry of our crowd favourite, the Linear, with the digital world.

Enjoy your musical treasures from PC, Mac or even your mobile phone in audiophile quality. The Linear USB II automatically detects an incoming USB audio data stream and does without an input selector switch. For double listening pleasure our new champion is ready to feed two headphones simultaneously and as a streaming preamp, it also spurs on your active loudspeakers to play with amazing vigour.

Our 3S Device Feet decouple the Linear USB II from its base and bring about quietness. In every situation a fabulous sound, always striving for perfection – that's our Linear USB II.

Highlights

Features

- reference class headphone reamp for all dynamic headphones
- maximum gain adjustable up to 20 dB
- discrete class A output stage for an open and natural sound
- PC board in Low-Z Copper technology
- two Neutrik headphone sockets with gold-plated contacts
- USB DAC with auto input selection
- oversized internal power supply
- low-loss MKP precision capacitors
- used as a streaming preamp, it can easily drive long cables

Options

- aluminium faceplate available in silver, black or chrome

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Tech Info

Analogue section

Input impedance	47 kohms
Maximum gain	0 dB, 10 dB, 18 dB, 20 dB selectable via DIP switches
Frequency response	10 Hz (-0.3 dB) to 35 kHz (-1 dB)
Signal to noise ratio	> 100 dB at gain 0 dB
THD	< 0.001 % at 6 mW/300 ohms
Channel separation	> 80 dB at 10 kHz
Output power	• 400 mW/60 ohms • 200 mW/300 ohms
Output impedance	• pre-out 50 ohms • phones out 5 ohms
Connectors audio	• Neutrik headphone jacks with gold plated contacts • 1 x pre-out • 2 x phones out • gold plated RCA sockets with teflon insulation
Power consumption	15 W through internal, regulated power supply
Special feature	• PC board in Low-Z Copper technology • vibration-absorbing 3S Device Feet • optional accessory: mounting kit

Outer dimensions W x D x H	110 mm x 280 mm x 44 mm (4.3 x 11 x 2 in.)
Weight	1.5 kg (3.3 lbs.) net

Digital-analogue converter

Digital inputs	1 x USB B
Sampling rate	up to 384 kHz
Resolution	up to 32 bits
Formats	PCM, DOP 128, FLAC, MP3, WAV
Chipset	ESS Sabre K2M
Analogue filter	Silver Mica capacitors
Max. output level DAC	1.8 V eff.
Special feature	The analogue input is automatically activated, when no digital signal is recognised

Version: May 2022. Subject to change without prior notice.

Press Commentaries



'The sonic step upward is truly amazing. The USB II reveals its magic independently of the heard track and its sampling rate. For instance, it generates perceivably more information from internet radio stations, offers the tightness that's otherwise missing, and tops off the sound image with an enhanced resolution.'

The Lehmannaudio Linear USB II is a phantastic sounding pre and headphone amplifier. It adds resolution timbres and spatial imaging to a convincing sound picture – so well that I couldn't wait until Christmas to buy it.'

hifi&records/01 2019

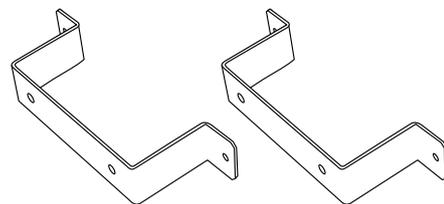
STEREO

'Its musical rendition is better structured and acoustically more transparent while at the same time fuller, with enhanced dynamics and a tidy, more deeply staggered stage.'

The entire spectacle appears to be tidier and more natural, with a sparkling elegance and lightness which isn't that much pronounced in the predecessors. With the latest incarnation of the Linear, Lehmann has been able to clearly top his already outstanding preamp/headphone amp line once again.'

STEREO/11 2018

Accessories (optional)



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