



Lehmannaudio®



Linear/ Linear USB

Sense and Sensibility.

You love first-hand musical experience? Then you'll know that regrettably dynamic headphones most often disappoint on the headphone outputs of CD players or amplifiers.

Some of the oh so manifold headphone types actually need up to 500 times more power for the same loudness than others – their impedances can easily differ by a factor of 20!

Lehmannaudio already solved this problem back in 2004: the Linear turns the "makeshift output" of your amplifier into a gate to another perception.

The solid ground for this experience in the Lehmann style is provided by selected components and a sophisticated circuit design. Three optional gain settings allow an impressive listening pleasure with the most diverse headphones on the most diverse sound sources.

The fact that highly demanding users like the WDR (West German broadcasting corporation), the audiophile labels Aeolus, TACET and STS Digital as well as distinguished manufacturers like e.g. Sennheiser, Ortofon and Van den Hul put their trust in the Linear speaks for itself. And for good reason the Linear serves as an incorruptible pre-

amplifier at the renowned The Masters studio in the Netherlands. By the way, the Linear can also inspire your active loudspeakers to an amazing vitality, if you so wish.

But probably you just want to enjoy your favourite music – up close and without flavour enhancer. In this case the Linear will conjure up a happy smile on your face. And if you wish to enjoy music à deux, it won't leave you on your own: two parallel outputs on a discrete solid-state class-A output stage will simultaneously feed two headphones of identical impedance with sovereign power without curtailing the listening experience. As soon as a second headphone is recognised, the line out will be turned off.

Furthermore the Linear USB auto-recognises an incoming USB audio data stream and switches to the USB input. Which makes it a perfect partner for your computer or your iPad!*

Listen for yourself how shockingly three-dimensional the Linear outlines an aural stage: with physical, deep lows, a filigree resolution and a downright weightless elegance over the entire acoustic frequency spectrum. Turn the massive, cushioned volume knob and enjoy your pleasant crawlies when getting to know your musical treasures from scratch!

The comprehensive "Techletter Headphone Amplifiers" with comparing information on the impedance and sensitivity data of common headphones is available free of charge on the internet or at your Lehmannaudio dealer.

Technical Details:

<i>Input impedance:</i>	47 kohms	<i>Dimensions:</i>	280 x 110 x 44 mm (housing only)
<i>Maximum gain:</i>	0dB, 10dB, 20dB – selectable via DIP switches on the bottom side. Also effective for USB-DAC (Linear USB)	<i>Audio connectors:</i>	Neutrik headphone sockets 6.35mm with gold-plated contacts 1x parallel to Line Out 1x Line Out muting Gold-plated RCA sockets with teflon insulation
<i>Frequency response:</i>	10 Hz (-0.3dB) to 35 kHz (-1dB)	<i>Weight:</i>	ca. 1.5 kg
<i>S/N ratio:</i>	>95dB at 0dB gain (analogue)	<i>Front panel/control knob:</i>	Anodised aluminium, natural or black Chrome optional
<i>THD:</i>	<0.001% at 6 mW/300 ohms (analogue)	USB Converter (Linear USB):	
<i>Channel separation:</i>	>70dB/10kHz	<i>Sample rate digital:</i>	up to 48kHz
<i>Output power:</i>	200 mW/300 ohms 400 mW/60 ohms	<i>Resolution:</i>	16 Bit
<i>Output impedance:</i>	Line Out 50 ohms Headphone Out 5 ohms	<i>Max. volt. USB-DAC:</i>	1V eff.
<i>Power consumption:</i>	ca. 10 W, internal regulated power supply with anti-interference toroidal transformer		

technical details subject to change without prior notice

Reviews:

AUDIO REFERENCE!

„... 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.**“



„...capable of massively upgrading the sound from your computer music collection.“ **Streaming Audio Product 2009**



„I was – and continue to be – quite impressed with this solid state amp. (...) If your budget is EUR700 or above, **you must absolutely listen to this amp**, even if you are prepared to spend more than that...“

SoundStage!

„Creamy-smooth“ with headphones (...) almost tube-like, without the euphonic coloration that some tube designs inflict. (...) Its lows were very powerful and detailed, while the smooth highs were **limited only by the headphones I was using.**“

studio REFERENCE!

„... in my opinion the Black Cube headphone amplifier from Lehmann Audio belongs to the reference class of its genre ...“

STEREO

„The shallow unit from Cologne pumped so much drive, impact and transparency into the earpieces of practically every pair of headphones we tried that it became alarmingly obvious that built-in headphone amplifiers are mostly nice gimmicks but in the end only temporary solutions.“

WHAT HI-FI? SOUND AND VISION ★★★★★

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

hi-fi+

„In terms of sound quality, it's the **perfect partner for the Sennheiser HD800.** It's rugged, can drive to very high levels without distortion or complaint, it's tonally neutral, dynamic, fast and very, very detailed.“

Hi-fi news

„It measures well and delivers unusually clear insight into the 'how?' and 'why?' aspects of music making, not just the 'what?'. All the hi-fi virtues are there but it's the manner in which the Black Cube draws you into a musical performance that marks it out from the crowd. A fine sound at a great price. Lehmann's Black Cube Linear also scores with its fabulously low distortion. Noise is vanishingly low too, sufficient to raise an A-wtd S/N ratio of 99dB in its +10dB gain mode. This is 20dB ahead of the PS Audio amp tested two years ago! These figures, together with its maximum output of 9V and input overload of 6.1V, suggest the Black Cube Linear is as near a bomb-proof solution as you'll find“



POSITIVE FEEDBACK ONLINE featuring audioMUSINGS

„...a high quality, flexible, high value-for-money piece of gear. I can only classify it as „Highly Recommended. (...) If you're in the market for a high-end headphone amp, **you must audition this piece. It's a winner.**“



„At first go Norbert Lehmann got a headphone amp going that belongs to the creme de la creme of this amplifier species and is **the author's new personal favourite.**“