

Lehmannaudio®



Rhinelander

Different types of headphones make very different demands on headphone outputs as regards current and voltage. If you have ever connected your high-class headphones to a CD player or an integrated amplifier, you are aware of this problem.

The **Rhinelander** is a very ambitious high end headphone amplifier for a beginner's budget which can fulfil even very high aspirations. Its sonic kinship with Lehmannaudio's top-of-the-range model, the Linear, is unmistakable.

The powerful, discrete solid-state output stage in the low-distortion Class A operating mode with no global negative feedback also gives the **Rhinelander** a very transparent sound and has enough power reserves for the vast majority of today's headphone sets. The gain of the Rhinelander may be adjusted via jumper for the different types of headphones.

Selected top-grade components and a sophisticated circuit design guarantee an outstanding listening pleasure, for even in this device Lehmannaudio does not do without a dual-sided

circuit board for an optimal layout or a genuine studio proven Neutrik headphone output socket.

The potentiometers are hand-picked for an excellent channel balance to maintain the localisation as steady as it is on the recording.

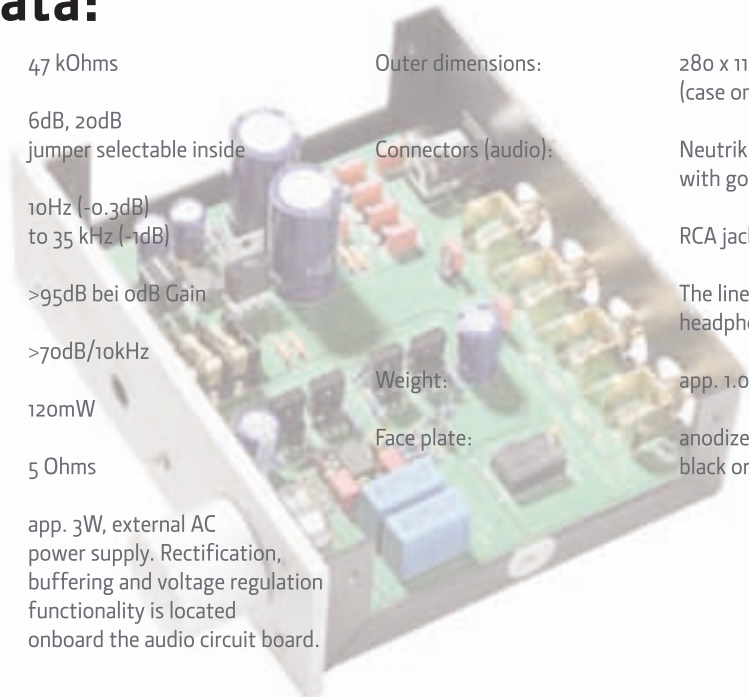
Low-loss MKP capacitors in the audio path for a perfect transient response or a quiet power supply with extra long-life capacitors are normally uncommon in a unit of this price range.

Additionally the **Rhinelander** also features two inputs plus an input selector that uses a high-quality relay. Who does not need the second input may reconfigure via jumper the second socket pair into an output. Thus the **Rhinelander** can also double as a high-end single source preamp, similar to the Linear.

Our comprehensive "Tech letter headphone amplifiers" with comparing information on impedance and sensitivity specifications of current headphones is available for free on the internet or at your Lehmannaudio dealer.

Technical data:

<i>Input impedance:</i>	47 kOhms	<i>Outer dimensions:</i>	280 x 110 x 44mm (case only)
<i>Maximum gain:</i>	6dB, 20dB jumper selectable inside	<i>Connectors (audio):</i>	Neutrik headphone jack 6.35mm with gold plated contacts
<i>Frequency response:</i>	10Hz (-0.3dB) to 35 kHz (-1dB)		RCA jacks with gold plates contacts
<i>Signal to noise ratio:</i>	>95dB bei 0dB Gain		The line output is muted when the headphone output is in use
<i>Channel separation:</i>	>70dB/10kHz	<i>Weight:</i>	app. 1.0 kg inkl. power supply
<i>Output power:</i>	120mW	<i>Face plate:</i>	anodized aluminium black or silver
<i>Output impedance:</i>	5 Ohms		
<i>Power consumption:</i>	app. 3W, external AC power supply. Rectification, buffering and voltage regulation functionality is located onboard the audio circuit board.		



Reviews:

STEREO 04/2009

„With the Rhinelander the small-size devices specialist Lehmann Audio is already presenting headphone amplifier number four in his stable, and this smallest model may count itself once more to the top of its price class. In terms of craftsmanship and component selection, the manufacturer accepted no compromises.

The amp plays neutral and free from colourations. Its timbres give an extremely clean and homogeneous impression. Besides the good dynamics it was the amps' speed that thrilled us.

Natural, neutral, harmonious and dynamic. The Rhinelander is the class winner!“



2/2009

„Soundwise it's nothing short of fascinating what this little box does with various headphones. In terms of punch, resolution and spaciousness it clearly distances itself from onboard solutions, underscoring hands down its raison d'être.

The Rhinelander ist extremely good at the accurate structuring of rooms where the positions of the musicians are easily recognised. And it's powerful, too: it could even drive a 600 ohms headphone without sounding stressed.

I have never run across such a package for such a bargain, and so I can only send my best congratulations to Bergisch Gladbach.“

WHAT HI-FI? SOUND AND VISION 04/2009

„...it offers a lively sound that leaps out of your headphones without becoming wearing or brash over prolonged listening.

Its accomplished sense of neutrality is a great advantage and you really want to keep listening to the performance it gives. Give one of these an audition and you won't be disappointed.“



05/2009

„The Rhinelander is one of those components that just sounds „right“ by the time the first bar of a symphony has been played. It does not draw any attention to itself, apart from the very essence of the music itself.

It's all too easy to get carried away and go on listening and listening to this little marvel, because it's one of those hi fi components that simply lets you forget about the technology and concentrate fully on the music. I bought one there and then.“

The utterly positive press reviews of the Rhinelander evidence its outstanding quality and the exceptionally good price-performance ratio. Yet more important to us is the number of our satisfied customers. And this number keeps going up.