

nimbus

niimbus

The new high-end brand from the engineers of Lake People.

Based on the experiences of more than three decades of Lake People development, as well as the technical and optical demands of the Vioelectric brand raised to a new, previously unknown quality level, the name extension of the Niimbus devices is therefore logically "Ultimate Series".

Devices with the Niimbus label stand for a special design, extraordinary technology and uncompromising quality - of course "Hand-made in Germany".

Niimbus US 4 and US 4+ represent the uncompromising further development of the recognized, high-quality headphone amplifiers from Vioelectric. During the three years of development work, no

compromises were made in circuit design, components or materials to create a headphone amplifier with outstanding audiophile properties.

The completely newly developed channel-separated and 100 % analog amplifier circuit has hand-selected audiophile components and has been optimized for lowest noise and highest performance even on particularly low-impedance headphones.

In combination with the oversized power supply and the associated high supply voltage, you get an extremely detailed and tidy sound image, which plays absolutely relaxed in every setting and with every headphone and represents every nuance of the music.



NIIMBUS US 4

The US 4 model has three headphone connection options, one balanced and two unbalanced. Reduced to the essentials, there are rear buttons to switch between balanced and unbalanced inputs and adjust the pre-gain to match the headphones.

NIIMBUS US 4+

In comparison to the US 4, the US 4+ model offers an additional unbalanced input as well as buttons on the front for input selection. The line and headphone outputs can be activated independently, making the US 4+ also suitable as an audiophile preamplifier. Further features such as a balance control, an almost inaudible reed relay volume control and an integrated remote control make the US 4+ the ultimate headphone amplifier.

PRODUCT DETAILS

FEATURES	US 4	US 4+
unbalance stereo input (RCA)	1	2
balanced stereo-input (XLR)	1	1
unbalanced stereo output (Cinch)	1	1
balanced stereo output (XLR)	1	1
unbalanced headphone output (6,3 mm TRS)	2	2
balanced headphone output (4-pole XLR)	1	1
balance control	–	✓
volume control by relay (256-steps)	–	✓
remote control	–	✓
digital controlled analog signal path	–	✓
input selection at the front	–	✓
output selection at the front	–	✓
delayed switch-on with Power-On	✓	✓
immediate separation with Power-Off	✓	✓
DC protection	✓	✓
overload protection	✓	✓
over temperature protection	✓	✓
ultimate circuit design	✓	✓
channel-separated design	✓	✓

SPECIFICATIONS	US 4 & US 4+
gain	+2.2 dB
pre-gain	-15 / -12 / -6 / 0 / 6 / 12 / 18 dB
frequency response (-0,5 dB)	0 Hz – 200 kHz
damping factor @ 50 Ω	330
output impedance	< 0.15 Ω
dynamic range (SNR)	129 dB
noise (A-wtd)	-103 dB
THD @ 10 V / 100 Ω (1 W)	0.00063 %
THD @ 4 V / 32 Ω (0,5 W)	0.00071 %
crosstalk @ 1 kHz / 15 kHz	-106 dB / -105 dB
max. output level @ 600 Ω	32.4 dBu
max. output level @ 100 Ω	30.4 dBu
max. output level @ 50 Ω	27.7 dBu
max. output level @ 32 Ω	24.8 dBu
max. output level @ 16 Ω	19.4 dBu
max. output level @ 8 Ω	13.3 dBu
max. output level @ 4 Ω	7.3 dBu
power supply	230 V / 115 V AC