

# NIIMBUS

## ULTIMATE SERIES US 5 / US 5 PRO

The **NIIMBUS US 5 / US 5 Pro** are the successors of the praised headphone amps US 4 / US 4+. The new amps offer the same unsurpassed powerful, noiseless and perfect sounding headphone amp circuitry to drive any dynamic and planar headphone. Both amps offer a pre-amp function to directly connect and control power amps or active speakers.

Nearly all functions can be conveniently controlled using a stylish remote.

With its incomparable technology, **NIIMBUS US 5 / US 5 PRO** not only offer one of the most powerful headphone amplifiers in the market, but also:

- **LOWEST NOISE** through a very small amount of internal gain. This makes the amplifier's self-generated noise inaudible.
- **HIGH OUTPUT VOLTAGE** through 60 V internal operating voltage. Therefore ideally suited for high-impedance headphones deserving high output voltage swing.
- **HIGH OUTPUT POWER** thanks to powerful amplifiers that offer far more power even the most demanding headphones would need. So, best suited for headphones with low impedances as well as planar (magnetostatic) headphones !!
- **HIGH DAMPING FACTOR** due to lowest output impedance. Therefore the ideal match for difficult to drive headphones without negative side effects and with the guarantee for a uncompromising frequency response.



The **NIIMBUS US 5** offers:

- Remote control for input selection, output selection, volume, mute
- 3 analogue stereo inputs, 2 x unbalanced via RCA, 1 x balanced via XLR
- -18 ... +24 dB Pre-Gain to perfectly adapt the US 5 / 5 PRO between source and headphones
- A motorized volume control and a balance control
- 4 powerful amps offering 7000 mW Pmax into 50 Ohm and 32 V RMS into 600 Ohm
- Monitoring of the headphone output in terms of DC and overload
- Headphone path and line-out path individually selectable
- 1 balanced headphone output with 4-pin XLR
- 1 balanced headphone output with 4,4 mm Pentaconn
- 2 single ended outputs with 6,3 mm jack
- 2 x Line-outputs, 1 x unbalanced via RCA, 1 x balanced via XLR
- Adaptation of the line-out signal to the following devices in the range of +/- 12 dB
- 2 toroidal transformers, > 50,000 uF filter capacity

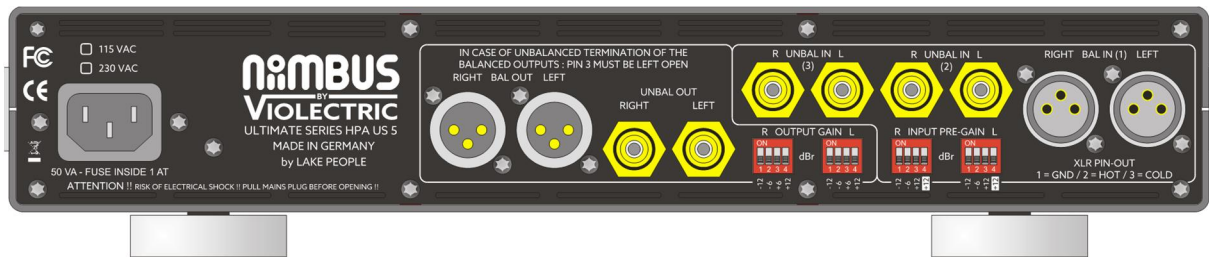
The **NIIMBUS US 5 PRO** additionally offers:

- 256-step reed relay volume control

## It is on you:

Headphone amplifier? Pre-amplifier? A combination?

The headphone outputs and/or the line outputs can be activated/deactivated by buttons on the front or by remote control. Connect not only your headphones to the HPA V550 but also your power amplifier or your active speakers and enjoy a compact and fantastic sounding headphone amplifier and / or a premium preamplifier !



## Remote:

Control the **NIIMBUS US 5 / US 5 PRO** with its stylish remote control, milled from a solid piece of aluminum. Via infrared rays you have access to motorized volume control, mute, input selection, Headphone and line-out control.

## Technical Data NIIMBUS US 5 / US 5 PRO:

All Data RMS unwtcd., 20 Hz - 20 kHz, Pre-Gain set to 0 dB

### Analogue input parameter

Inputs (stereo): 1 x XLR female, balanced, 2 x RCA, unbalanced

Max. input voltage: + 21 dBu, Input impedance: 10 kohm

### Line out parameter

Line outputs (stereo, analogue): 1 x XLR male, balanced, 1 x RCA unbalanced

Line-Out Gain: -12 / -6 / 0 / +6 / +12 dB

Max. output voltage: + 21 dBu, Output impedance : 1 Ohm

### Headphone amp parameter

Nominal input sensitivity: +6 dBu

Feedback gain: 0 dB unbal / +6 dB bal

PRE-GAIN: -18 / -12 / -6 / 0 / +6 / +12 / +18 / +24 dB

Frequency range: 5 Hz ... 250 kHz (- 0,5 dB)

Balance: +/- 6 dB

Output impedance: 0,1 Ohm unbal / 0,2 Ohm bal

Damping factor (Load 50 Ohm): 500 unbal / 250 bal

Dynamic range: > 135 dB (A-wtd)

Noise: < -104 dBu (A-wtd)

THD+N (1kHz/2x10V/100R = 1W) : < -104 dB / < 0,00063 %

THD+N (1kHz/2x4V/32R = 0,5W) : < -103 dB / < 0.00071 %

Crosstalk: -105 dB (1 kHz) / -103 dB (15 kHz)

Headphone outputs: 1 x 4-pin XLR, 1 x 4,4 mm Pentaconn

2 x 1/4" (6.3 mm) jack

### General

Supply voltage: 230 V AC / 115 V AC max. 50 VA

Front, Back: 10 mm / 3 mm Aluminum, black anodized

Case: 2 mm sheet steel, metallic coating

Case dimensions: 351 x 59 x 248 mm (W x H x D)

Overall dimensions: 351 x 90 x 275 mm (W x H x D)



Max. Output Level			
Conditions: balanced operation, both channels driven, 1 kHz, < 0,1 % THD			
R <sub>L</sub>	U <sub>a</sub> (dBu)	U <sub>a</sub> (V)	P <sub>a</sub> (mW)
600	32,4	32,4	1750
300	31,6	29,5	2900
100	30,4	25,6	6500
50	27,7	18,8	7000
32	24,8	13,4	5600
16	19,4	7,2	3200
8	13,3	3,6	1600
4	7,3	1,8	820