

N-RAK6

4-Channel Power Rack



- 1 Rack Fits All
- Optimum flexibility
- Universal platform
- Dante, AES3 and Analog inputs
- 4U Customized Rack

OVERVIEW

NEXT-proaudio has developed a unified rack solution N-RAK, designed for optimum performance flexibility and setup simplicity. The new rack was configured to interface seamlessly allowing multiple configurations for the entire NEXT-proaudio's product range. Consisting in a family of 5 different models, N-RAK 6, N-RAK 12, N-RAK 20, N-RAK40, N-RAK80, all the N-RAKS are equipped with Powersoft amplifiers, featuring Dante™ audio networking functionality (optionally on N-RAK20, N-RAK40, N-RAK80).

N-RAK was created as a universal platform developed to facilitate cross-rental between NEXT-proaudio's Users worldwide and to ensure compatibility with the cabling standard of the systems.

The N-RAK has Dante (optional on models 20, 40 and 80), AES3 and Analog inputs for multiple connections, making the setup process greatly simplified and much more efficient than the former LA Rack. With the Powersoft amplifiers already built in and no assembly required, it's an easy-to-configure, all-in-one amplifier solution that eliminates the process of building amp racks. The N-RAK touring rack offers an advanced rack solution for all NEXT-proaudio' systems covering signal and power distribution in a plug-and-play touring package.

The N-RAK versatility extends to delivery as well, since its dimensions were projected to allow easy shipment on European trucks, sea containers and other transportation modes.

The fully equipped N-RAK module comprises a 4U

Customized rack with 2 Powersoft T604 (N-RAK12) or 1 Powersoft T604 (N-RAK6) or a 6U Customized Rack with 2 Powersoft X8 (N-RAK80) or 1 Powersoft X8 (N-RAK40) or 1 Powersoft X4 (N-RAK20); 2U Audio Distribution Panel in the front; and 2U Power Distribution Panel in the back.

TECHNICAL SPECIFICATIONS

Audio Performance	
Frequency Response:	20Hz - 20kHz (±0.5dB) @ 1W, 8
Signal to Noise Ratio:	>110dB (20Hz - 20kHz, A weighted)
Crosstalk:	-70dB @ 1kHz
General	
Number of Channels:	4
AC Main Power	
Single Channel Mode (2):	4 x 1250W
Single Channel Mode (4):	4 x 1500W
Single Channel Mode (8):	4 x 1500W
Bridge Mode (4):	2 x 3000W
Bridge Mode (8):	2 x 3000W
Max Output Voltage / Current:	145Vpeak / 50Apeak
Thermal	
Power Supply:	Universal, regulated switch mode
Operating Voltage:	90V - 264V
Audio	
THD+N:	<0.1% (typical < 0.5%)
IMD:	<0.1% (typical < 0.5%)
Input Impedance:	20k balanced
Damping Factor:	>5000 @ 8, 20Hz - 500Hz
DSP	
Input Equalizer:	Raised-cosine, custom FIR, parametric IIR: peaking, hi/lo-shelving, all-pass, band-pass, band-stop, hi/lo-pass
Limiters:	TruePower™, RMS voltage, RMS current, Peak limiter
Construction	
Dimensions (WxHxD):	600mm x 530mm x 800mm