

QX2-4000

2X 2000W @ 8OHM, 1 RACK UNIT DIGITAL POWER AMPLIFIER WITH PFC

The QX series digital power amplifiers, all models featuring advanced amplifier adjustment technology to give over 95% efficiency, and stable performance at high current, low impedance conditions.

Additional features include active power factor correction (PFC) and ultra-reliable soft power switching power supply which will operate universally between 90-250VAC.

The QX series, are all 1U height lightweight designs, weighing less than 12kg. Both 2 and 4 channel versions are available, giving power ratings from 2550 watts per channel up to 5100 watts per channel at 4 ohms.

At 2-ohm operation, the flagship QX4-8000 will supply up to 4 x 4760 watts, making these amplifiers supply extremely high performance, and provide cost effective solutions for multiple install and rental applications, for example line array systems.

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PRODUCT DETAILS

KEY FEATURES

2 Channels, 1x 19" Rack Unit

2ohm Reliable Operation in Single Channel or Bridged modes

Multiple Modes Stereo, Parallel and Bridge modes

Line Array designed for Install/Rental Systems

Powerful Designed to Power Large Systems

Multiple Gain Modes to work with any system

PFC Universal 90-250V Operation with Power Factor Correction

Variable Speed Fan Cooling for Reliable Long-Term Operation

SPECIFICATIONS

Rated power* 8ohm/Stereo	2 x 2000W
Rated power* 4ohm/Stereo	2 x 3400W
Rated power* 2ohm/Stereo	2 x 4760W
Rated power* 16ohm/Bridge	1 x 4000W
Rated power* 8ohm/Bridge	1 x 6800W
Rated power* 4ohm/Bridge	1 x 9520W
*Rated Powers measure	THD=1%, continuous sine 1kHz, each channel working simultaneously
RMS output voltage (THD=1%,1kHz)	126.5V
Slope (1kHz, bypass LPF)	50V/us

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Input sensitivity (rated output power, 1kHz)	38dB, 35dB, 32dB, 29dB Options
THD+N (10% rated output power)	0.01%
IMD-SMPTE (10% rated output power)	0.01%
DIM30 (10% rated output power)	0.01%
Crosstalk rejection (less than rated power, 20Hz-1 kHz)	≥90 dB
Frequency response (10% rated output power, 8ohm, 20Hz-20kHz)	±0.2dB
Input impedance	20kohm (Bal.), 10kohm (Unbal.)
Damping factor, 8Ω, 20Hz-200Hz)	≥300
S/N ratio (A weighted, 20Hz-20kHz)	≥112 dB
Power supply	90-260 VAC, 50-60 Hz
Protection	Low voltage/DC output/thermal/over load protection
Dimension (W×H×D)	483×44×370mm
Net weight	9 kg