

DQX Series

1U digital power amplifiers

The new DQX series, using the same amplifier and power supply platform as the QX series, feature a high quality DSP, with high precision and dynamic AD/DA converters and an informative 3.3" HD LCD screen. Real time monitoring is available both via the screen or via Ethernet connections, with support for receiving AES digital audio signals.

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

The DQX series, are all 1U height lightweight designs, weighing less than 13kg. Both 2 and 4 channel versions are available, giving power ratings from 1100 watt per channel up to 5100 watt per channel at 4 ohm at over 95% efficiency.

At 2 ohm operation, the flagship DQX4-8000 will supply up to 4 x 4760 watt, making these amplifiers supply extremely high performance, and provide cost effective solutions for multiple install and rental applications, for example line array systems.



KEY Features

- 9 MODELS with 2 and 4 channel versions
- 2 OHM reliable operation in single channel or bridged modes
- POWERFUL designed to power large systems
- MULTIPLE GAIN modes to work with any system
- MULTIPLE MODES stereo, parallel and bridge modes
- DSP OPERATION use with 3.3" screen or Ethernet connection
- PFC universal 90-250V operation with power factor correction
- VARIABLE speed fan cooling for reliable long term operation

Specification

		DQX2 1300	DQX2 2000	DQX2 3000	DQX2 4000	DQX2 6000	DQX4 2600	DQX4 4000	DQX4 6000	DQX4 8000
Rated power (EIAJ THD=1%, 1kHz, 2 CH working simultaneously)	8 ohm / stereo	2 x 650W	2 x 1000W	2 x 1500W	2 x 2000W	2 x 3000W	4 x 650W	4 x 1000W	4 x 1500W	4 x 2000W
	4 ohm / stereo	2 x 1100W	2 x 1700W	2 x 2550W	2 x 3400W	2 x 5100W	4 x 1100W	4 x 1700W	4 x 2550W	4 x 3400W
	2 ohm / stereo	2 x 1870W	2 x 2890W	2 x 3570W	2 x 4760W	2 x 7140W	4 x 1870W	4 x 2890W	4 x 3570W	4 x 4760W
	16 ohm / bridged	1 x 1300W	1 x 2000W	1 x 3000W	1 x 4000W	1 x 6000W	2 x 1300W	2 x 2000W	2 x 3000W	2 x 4000W
	8 ohm / bridged	1 x 2200W	1 x 3400W	1 x 5100W	1 x 6800W	1 x 10200W	2 x 2200W	2 x 3400W	2 x 5100W	2 x 6800W
	4 ohm / bridged	1 x 3740W	1 x 5780W	1 x 7140W	1 x 9520W	1 x 14280W	2 x 3740W	2 x 5780W	2 x 7140W	2 x 9520W
	100V Hi-Z	/	/	2 x 2500W	2 x 3400W	2 x 5000W	/	/	4 x 2500W	4 x 3400W
	70V Hi-Z	2 x 1100W	2 x 1700W	2 x 2400W	2 x 2400W	2 x 2400W	4 x 1100W	4 x 1700W	4 x 2400W	4 x 2400W
RMS output voltage(THD=1%, 1kHz)		72.1V	89.4V	109.5V	126.5V	154.9V	72.1V	89.4V	109.5V	126.5V
Slope(1kHz, bypass LPF)		50V/us								
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, 20 Hz~1 kHz)		≥90 dB								
Frequency response (10% rated output power, 8 ohm, 20Hz~20kHz)		±0.3dB								
Input impedance		20k ohm(bal), 10k ohm(unbal)								
Damping factor(8 ohm, 20Hz-100Hz)		≥5000								
S/N ratio (A weighted, 20Hz-20kHz)		≥107dB	≥109dB	≥110dB	≥112dB	≥115dB	≥107dB	≥109dB	≥110dB	≥112dB
Power supply		90~260VAC, 50~60 Hz								
Protection		Low voltage/DC output/thermal/over load protection								
Dimension(W × H × D)(mm)		483 x 44 x 370				483 x 44 x 465	483 x 44 x 370		483 x 44 x 365	
Net Weight		9kg	9kg	9kg	9kg	12kg	9kg	9kg	12kg	12kg