

DQX4-6000

## 4X 1500W @ 8OHM, 1 RACK UNIT DIGITAL POWER AMPLIFIER WITH DSP & PFC

The Studiomaster DQX is a compact, high-efficiency digital power amplifier designed for professional audio applications. It combines advanced DSP technology with robust power output, making it ideal for various installation and rental scenarios. Designed to deliver high performance and reliability, making it a cost-effective solution for demanding audio environments.

At 2-ohm operation, DQX4-4000 will supply up to 4 x 3570 watt, making these amplifiers supply extremely high performance, and provide cost effective solutions for multiple install and rental applications, for example line array systems.

DQX4-6000

amplification\_dqx\_dqx4\_front\_studiomaster\_35878.png

amplification\_dqx\_dqx4\_rear\_studiomaster\_35878.png

amplification\_dqx\_dqx4\_rightangle2\_studiomaster\_35878.png

amplification\_dqx\_dqx4\_rightangle2\_studiomaster\_35878.png

19" Rack Standard Class-D

DSP

Eco Friendly

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## PRODUCT DETAILS

### KEY FEATURES

4 Channels, 1x 19" Rack Unit

2-ohm Reliable Operation in Single Channel

DSP OPERATION use with 3.3" screen or Ethernet connection

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         | 4 x 1500W                                                         |
| Rated power* 4ohm/Stereo         | 4 x 2550W                                                         |
| Rated power* 2ohm/Stereo         | 4 x 3570W                                                         |
| Rated power* 16ohm/Bridge        | 2 x 3000W                                                         |
| Rated power* 8ohm/Bridge         | 2 x 5100W                                                         |
| Rated power* 4ohm/Bridge         | 2 x 7140W                                                         |
| * Rated Powers measure           | THD=1%, continuous sine 1kHz, each channel working simultaneously |
| RMS output voltage (THD=1%,1kHz) | 109.5V                                                            |

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|                                                               |                                                    |
|---------------------------------------------------------------|----------------------------------------------------|
| Slope (1kHz, bypass LPF)                                      | 50V/us                                             |
| 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, 8ohm, 20Hz-200Hz)                             | ?300                                               |
| S/N ratio (A weighted, 20Hz-20kHz)                            | ?110 dB                                            |
| Power supply                                                  | 90-260 VAC, 50-60 Hz                               |
| Protection                                                    | Low voltage/DC output/thermal/over load protection |
| Dimension (W×H×D)                                             | 483×44×465mm                                       |
| Net weight                                                    | 12 kg                                              |