

Professional, compact Eco-Amplifier

Studiomaster
since 1976



EX/nEX Series

Professional compact eco-amplifier

The new EX and nEX series of power amplifiers from Studiomaster represent an eco friendly addition to the range accompanying our already well established HX, QX and DQX amplification ranges.

Offering high power, low weight and smart energy saving features, in an ultra compact, ultra lightweight 1 rack-unit height enclosure, the EX and nEX range fit in well at a level where reliability, quality, affordability and to be environmentally friendly are key to supplying a product suitable for the most demanding application.

With power ranging from 150watts to 1800watts per channel, and the nEX models featuring AES-67 network audio compatibility, there are not many applications where the EX and nEX are not the perfect fit.

To further enhance our commitment to the quality and durability of our new range of EX and nEX amplifiers, we offer a 3 year manufacturers warranty on them*

*exceptions and conditions apply.



EX Series

Professional compact eco-amplifier

EX2-400	4 Ω/Stereo 2x 300W
EX2-600	4 Ω/Stereo 2x 450W
EX2-1000	4 Ω/Stereo 2 x 750W
EX2-2400	4 Ω/Stereo 2x 1800W

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EX4-400	4 Ω/Stereo 4 x 150W
EX4-600	4 Ω/Stereo 4 x 225W
EX4-1200	4 Ω/Stereo 4 x 450W
EX4-1800	4 Ω/Stereo 4 x 675W
EX4-2400	4 Ω/Stereo 4 x 900W



■ High efficiency, low heat generation

Utilising a super efficient SMPS combined with latest generation amplifier technology, the EX and nEX amplifiers increase reliability and provide maximum power without generating excess heat..

■ Energy saving, Eco-friendly

With the intelligent electronics involved, the efficiency, heat dissipation, power consumption and weight all combine to deliver an amplifier that is kinder to the planet than traditional less efficient power amplifiers.

■ High power, light weight, up to 4 channels

The ultra compact 1U enclosure with either 2 or 4 channels of ready to perform out the box high power.

EX Series

Professional compact eco-amplifier



Product Features

Multiple set-up modes : stereo, parallel / mono and bridged.
 Selectable input gain : 0.775v and 32dB (26dB)
 Balanced XLR inputs and 4 pole industry standard speaker output connectors.
 Built in limiter to prevent output clipping
 DC protection circuitry
 Unique short-circuit protection
 Thermal and under voltage protection

Product Parameters

Model	EX2-400	EX2-600	EX2-1000	EX2-2400
Rated Power (THD=1%, continuous sine 1kHz, simultaneous operation of each channel)	8Ω/Stereo	2 x 200W	2 x 300W	2 x 500W
	4Ω/Stereo	2 x 300W	2 x 450W	2 x 750W
	8Ω/Bridge	1 x 600W	1 x 900W	1 x 1500W
RMS Output Voltage (THD=1%, 1kHz)	40.0V	49.0V	63.2V	98V
Input Sensitivity & Gain	0.775Vrms, 26dB selectable (rated output power, 1kHz)			
Distortion + Noise	Typical Value: 0.05% (10% rated output power, 1kHz, 8Ω)			
Crosstalk Suppression	≥ 75dB (below rated power, 20Hz-1kHz, 8Ω)			
Frequency Response	Typical Value: ± 0.5dB (10% rated output power, 20Hz-20kHz, 8Ω)			
Input Impedance	20kΩ (balanced), 10kΩ (unbalanced)			
Damping Coefficient	Typical Value: 1000 (20Hz-200Hz, 8Ω)			
Signal to Noise Ratio	≥ 100dB (A-weighted, 20Hz-20kHz, 8Ω)			
Power Requirements	100-240 VAC(±10%), 50/60Hz			
Protection Function	Overheating threshold, overload protection, output DC protection			
Dimension	483 × 45 × 299mm			
Net Weight	4.0kg	4.2kg	4.3kg	5.4kg

EX Series

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Product Parameters

Model	EX4-400	EX4-600	EX4-1200	EX4-1800	EX4-2400
Rated Power (THD=1%, continuous sine 1kHz, simultaneous operation of each channel)	8Ω/Stereo 4 x 100W 4Ω/Stereo 4 x 150W 8Ω/Bridge 2 x 300W	4 x 150W 4 x 225W 2 x 450W	4 x 300W 4 x 450W 2 x 900W	4 x 450W 4 x 675W 2 x 1350W	4X600W 4X900W 2X1800W
RMS Output Voltage (THD=1%, 1kHz)	28.3V	34.6V	49.0V	60.0V	69.3V
Input Sensitivity & Gain	0.775Vrms, 26dB selectable (rated output power, 1kHz)				
Distortion + Noise	Typical Value: 0.05% (10% rated output power, 1kHz, 8Ω)				
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Protection Function	Overheating threshold, overload protection, output DC protection				
Dimension	483 × 45 × 299mm				
Net Weight	4.5kg	4.8kg	5.2kg		5.8kg

nEX Series

Professional compact network eco-amplifier

nEX2-400 4 Ω /Stereo 2 x 300W

nEX2-600 4 Ω /Stereo 2 x 450W

nEX2-1000 4 Ω /Stereo 2 x 750W

nEX2-2400 4 Ω /Stereo 2 x 1800W

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nEX4-400 4 Ω /Stereo 4 x 150W

nEX4-600 4 Ω /Stereo 4 x 225W

nEX4-1200 4 Ω /Stereo 4 x 450W

nEX4-1800 4 Ω /Stereo 4 x 675W

nEX4-2400 4 Ω /Stereo 4 x 900W

■ Tough 1U rack steel enclosure

While maintaining weight saving, the amplifier enclosure has not been compromised.

■ Universal input voltage

The EX and nEX power amplifiers are designed with a universal power supply operating from 100 to 240V AC.

■ Lightweight design

Weighing in at 4kg to 5.8kg, the power to weight ratio of the EX and nEX amplifiers is exceptional, especially in mobile set-ups.

■ Auto-standby

Another plus in the eco environment. The amplifiers will automatically go in to 'standby mode' when there is no signal, ensuring efficiency when the amplifier is in idle.

■ Ethernet/Lan and AES-67

Monitoring of the nEX amplifiers is simple with just an ethernet cable and control software. Additionally connection of the nEX to your networked audio set-up is possible with AES-67 compatibility.

■ Color LCD display

The nEX series are fitted with a large 2.2 inch colour LCD display, allowing you to quickly and easily navigate all the settings available on the built-in DSP.



nEX Series

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Product Parameters

Model	nEX2-400	nEX2-600	nEX2-1000	nEX2-2400
Rated Power (THD=1%, continuous sine 1kHz, simultaneous operation of each channel)	8Ω/Stereo	2 x 200W	2 x 300W	2 x 500W
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Product Parameters

Model	nEX4-400	nEX4-600	nEX4-1200	nEX4-1800	nEX4-2400	
Rated Power (THD=1%, continuous sine 1kHz, simultaneous operation of each channel)	8Ω/Stereo	4 x 100W	4 x 150W	4 x 300W	4 x 450W	4X600W
	4Ω/Stereo	4 x 150W	4 x 225W	4 x 450W	4 x 675W	4X900W
	8Ω/Bridge	2 x 300W	2 x 450W	2 x 900W	2 x 1350W	2X1800W
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