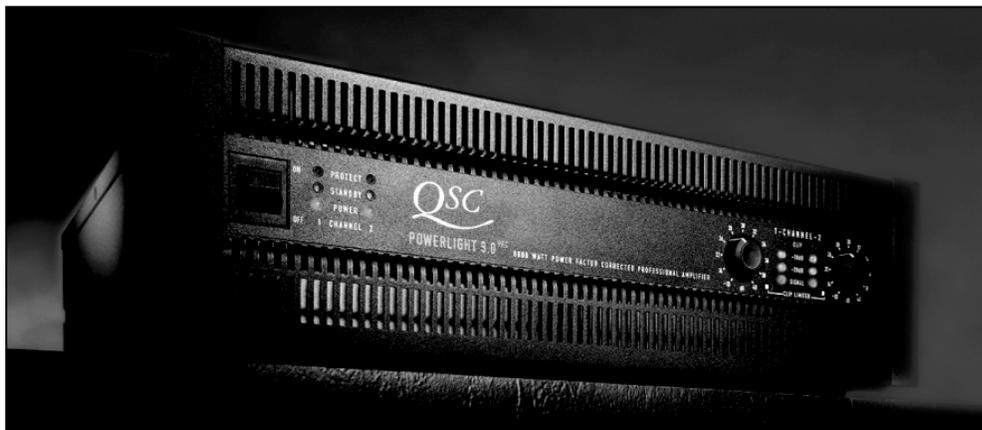


PowerLight 9.0^{PFC}

F E A T U R E S



Highest continuous output capacity of any audio amplifier

Highest output voltage swing of any audio amplifier

First audio power amp with PFC. PowerWavePFC™ Switching Technology improves audio performance and lowers AC current requirements

Lowest AC current draw per watt of output

Four-step Class H output for the highest efficiency of any linear amplifier

First Current Cell™, quasi-complementary full-bridge output circuit using ultra-high power N-channel MOSFETs

Ideal for powering subwoofers and low frequency drivers or high-power full-range systems

Zero inrush current at start-up avoids tripping circuit breakers

Line and load regulation maintains peak power output despite AC fluctuations

Clip Limiter (user defeatable)—reduces distortion, helps protect loudspeakers

Unique clip-tracking circuitry provides instant recovery and maintains constant damping

Detented gain controls with 2 dB steps for easy resetting

Neutrik “Combo” (XLR & ¼”) and Euro-style barrier balanced input connectors

Stereo/bridge/parallel mode switch

Custom-designed, extra large “touchproof” binding post output connectors—60A rating

Remote AC power control

Data port for MultiSignal Processor

3 year warranty PLUS optional 3 year extended service contract

The **PowerLight™ 9.0^{PFC}** sets new standards in high power professional amplifiers, delivering over 4500 watts/ch. at 2 ohms. At only 3RU, 19.5” deep, and 59 lbs., the PowerLight 9.0^{PFC} has the highest ratio of power to size and weight ever achieved by a professional power amplifier.

QSC engineered this massive power output capacity and compact size through several breakthroughs in power supply technology and output circuit design. Foremost among these is the first incorporation of power factor correction (PFC) in an audio amplifier power supply. PFC lowers average AC current requirements by as much as 40% and peak

requirements up to 80%, greatly reducing the strain on AC distribution.

The amplifier also features line and load regulation, making its peak power capacity immune to drops in AC line voltage. Other power supply features include true soft start and a frequency-invariant design that operates on any AC line frequency.

The amplifier’s output circuit is equally innovative. State-of-the-art high-speed components and large-die, N-channel MOSFETs combine with a four-tiered DC supply to yield efficiency comparable to Class D designs, but the audio circuitry operates in linear mode for lowest distortion and noise.

LOAD	FTC CONTINUOUS AVERAGE		EIA WATTS
Both channels driven	20 Hz–20 kHz, 0.2% THD		1 kHz, 1% THD
Stereo (W/Ch)	8Ω	1800 watts	1950 watts
	4Ω	3200 watts	3400 watts
	2Ω		4500 watts
Bridged mono	16Ω	3600 watts	3900 watts
	8Ω	6400 watts	6800 watts
	4Ω		9000 watts

Guaranteed minimum specs

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Patents pending

PowerLight™

