



PLX2 Series

Professional Power Amplifiers

PLX1104 | PLX1804 | PLX1802 | PLX2502 | PLX3102 | PLX3602

The PLX2 Series is a range of premium quality, high-power amplifiers designed for the most demanding live performance uses. Built on the third generation of QSC PowerLight™ technology, PLX2 amplifiers combine lightweight, superlative audio quality and proven QSC reliability. With power output up to 3600 watts, PLX2 amplifiers are capable of providing ample clean, undistorted output to the most power hungry speaker systems.

PowerLight switchmode technology replaces a large, heavy AC transformer (typically 20 lb/9 kg) with a highly efficient and lighter weight active design. Conventional AC transformers provide 100 or 120 energy pulses per second, the PowerLight supply delivers 190,000 to 230,000 pulses per second. More pulses make it easier to provide on-demand power for the amplifier's output section. The power supply doesn't "sag" so bass notes stay full and powerful while the high end remains crisp and clean.

PLX2 Series amplifiers have the refined but rugged good looks of professional power tools and high power machinery. A solid, cast-aluminum front panel adds style to any rack while acting as an integral I-beam, rigidly tying the chassis together for years of on-the-road reliability.

The PLX2 Series now includes two approaches to meet a wider range of needs and budgets. The fully featured "02" models (1802, 2502, 3102, 3602) drive 2 ohm loads and add subwoofer processing and convenient rear-panel signal processing control switches to the original, still unmatched PLX platform. In addition, the compact "04" models (1104, 1804) have been added to bring the same performance and technology, plus even greater value, to applications that don't require bridged or 2 ohm operation.

PLX2 Power Amplifiers

Model	Stereo (watts per channel)			Bridged (watts)
	8Ω	4Ω	2Ω*	4Ω*
PLX1104	325	550	—	—
PLX1804	600	900	—	—
PLX1802	330	575	900	1800
PLX2502	450	750	1250	2500
PLX3102	600	1000	1550	3100
PLX3602	775	1250	1800	3600

1 kHz, 0.1%THD, both channels driven
*1 kHz, 1%THD, both channels driven



Features - All Models

- Very lightweight ("02" models, 21 lb/9.5 kg, "04" models 13 lb/5.9 kg)
- Cooling design exhausts hot air out the front, keeping the rack cool. Flow-through heat sinks require no filters that could become clogged
- Front panel LED power, clip, -10 dB, and signal present indicators for system monitoring and troubleshooting. 02 models also feature bridge and parallel mode LED indicators
- Speakon® NL-4 output connectors provide a positive-locking speaker connection. Ch 1 output uses all 4 wires for single-cable connection to bi-amplified speakers
- 21-position front-panel gain controls for precise, repeatable amplifier adjustment
- Balanced XLR inputs with parallel TRS connectors accommodate all common input connectors and support loop-through operation

04 Models

- Value combined with uncompromised PLX technology, quality and performance for applications that don't require bridged or 2 ohm stereo operation
- Two models with power ratings up to 900 watts/channel at 4 ohm
- Clip limiting protects speakers; thermal limiting maintains operation even during abnormal overloads

02 Models

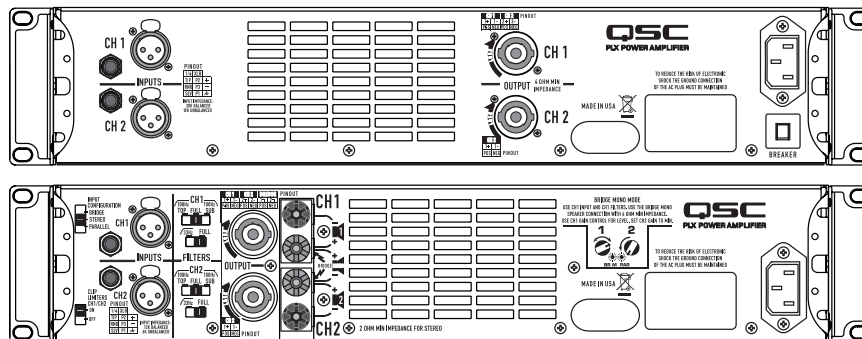
- Speakon NL4 and binding post outputs
- 100 Hz high-pass and low-pass filters for bi-amping subwoofer and satellite systems without the need for an external crossover
- Switchable/defeatable 33 Hz infrasonic filters protect woofers from over-excursion damage
- Switchable/defeatable clip limiters
- Four models with power ratings up to 1800 watts/channel at 2 ohm, 3600 watts bridged at 4 ohm

PLX2 Series

Specifications

	PLX1104	PLX1804	PLX1802	PLX2502	PLX3102	PLX3602
Stereo Mode (both channels driven)*						
8Ω FTC 20 Hz – 20 kHz 0.05% THD	310 W	550 W	320 W	425 W	550 W	725 W
8Ω EIA 1 kHz 0.1% THD	325 W	600 W	330 W	450 W	600 W	775 W
4Ω FTC 20 Hz – 20 kHz 0.05% THD	500 W	800 W	525 W	675 W	900 W	1100 W
4Ω EIA 1 kHz 0.1% THD	550 W	900 W	575 W	750 W	1000 W	1250 W
2Ω EIA 1 kHz 1% THD	–	–	900 W	1250 W	1550 W	1800 W
Bridge-Mono Mode*						
8Ω 20 Hz - 20 kHz 0.1% THD	–	–	1100 W	1400 W	1900 W	2500 W
8Ω EIA 1 kHz 0.1% THD	–	–	1200 W	1500 W	2100 W	2600 W
4Ω 1 kHz 1% THD	–	–	1800 W	2500 W	3100 W	3600 W
Signal to Noise (20 Hz - 20 kHz)	-106 dB	-106 dB	-107 dB	-106 dB	-107 dB	-107 dB
Input Sensitivity at 8Ω	1.18 Vrms	1.20 Vrms	1.28 Vrms	1.15 Vrms	1.23 Vrms	1.25 Vrms
Voltage Gain at 8Ω	32.5 dB	35 dB	32 dB	34 dB	35 dB	36 dB
Output Circuitry	Class AB	2-tier Class H	Class AB	2-tier Class H	2-tier Class H	2-tier Class H
Power Requirements (1/8 power, pink noise at 4Ω)	8 A/120V	9.4 A/120V	8.7 A/120V	7.5 A/120V	9.5 A/120V	11.5 A/120V
04 MODELS			02 MODELS			
Distortion (SMPTE-IM)	< 0.02%		< 0.02%			
Distortion (typical)						
1/8 rated power, 20 Hz – 20 kHz	< 0.02%		< 0.02%			
Full rated power, 20 Hz – 20 kHz	< 0.02%		< 0.02%			
Damping Factor	> 200		> 500			
Input Impedance	10k ohms unbalanced / 20k ohms balanced		10k ohms unbalanced / 20k ohms balanced			
Input Clipping	5.5 Vrms (+15 dBu)		11 Vrms (+21 dBu)			
Cooling	Variable-speed fan, rear-to-front air flow		Variable-speed fan, rear-to-front air flow			
Input Connectors, each channel	3-pin XLR and 1/4" TRS balanced, parallel		3-pin XLR and 1/4" TRS balanced, parallel			
Output Connectors, each channel	Neutrik NL4 Speakon® / Both channels available on Ch 1 NL4 connector		Neutrik NL4 Speakon® and touch-proof binding posts / Both channels available on Ch 1 NL4 connector			
Amplifier Protection	Full short circuit, open circuit, thermal, infrasonic, ultrasonic, and RF protection. Stable into reactive or mismatched loads		Full short circuit, open circuit, thermal, infrasonic, ultrasonic, and RF protection. Stable into reactive or mismatched loads			
Load Protection	On/off muting, DC-fault power supply shutdown		On/off muting, DC-fault power supply shutdown			
Dimensions						
Height	3.5" (8.9 cm) - 2 RU		3.5" (8.9 cm) - 2 RU			
Width	19" (48.3 cm)		19" (48.3 cm)			
Depth - Rack mounting surface to rear	8.95" (22.7 cm)		12.8" (32.6 cm)			
- Overall	11" (27.9 cm)		14.875" (37.9 cm)			
Weight - Shipping / Net	18 lb (8.2 kg) / 13 lb (5.9 kg)		26 lb (11.8 kg) / 21 lb (9.5 kg)			
Agency Approvals	CE, FCC, cUL, UL		CE, FCC, cUL, UL			

* CE versions may have up to 12% (0.5 dBw) less power due to special construction to meet EN-61000 AC harmonic limits



04 MODELS

02 MODELS

Specifications subject to change without notice.

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