

RUN THE SHOW

THE XLS Series of power amplifiers from Crown define the standard for live sound systems with unmatched performance, technology, and affordability.

This high-performance line consists of four models, each providing enormous power and flexibility thanks to the integrated PureBand™ Crossover System and Peak,™ Limiters. And weighing in at only 11 lbs or less, they provide the ultimate in lightweight portability.

Generating chest-thumping lows and crystal clear highs, the four models in the series – the XLS 1000, XLS 1500, XLS 2000, and XLS 2500 – are engineered to meet any demanding audio requirements – reliably and within budget.

Every XLS Series amplifier is backed by Crown's unequaled Three-Year, No-Fault, Fully Transferable Warranty that covers everything.

With over five decades of experience designing and building rock-solid products, Crown is the standard in amplifier technology. So check out the Crown XLS Series. They are a powerful argument for performance, flexibility, and value!

For more details about the XLS Series, contact the Crown Technical Support Group at 800-342-6939 or 574-294-8200. Also, visit the Crown Audio website at www.crownaudio.com.

FEATURES

- High performance, lightweight Class-D amplifier – weighs less than 11 lbs.
- Integrated PureBand™ Crossover System ensures seamless transitions from low- to high-frequency drivers
- Integrated Peak,™ Limiters provide maximum output while protecting your speakers
- XLR, 1/4", RCA Inputs ensure compatibility with any source
- 1/4" Inputs can be used as loop-thrus to distribute signal to additional amplifiers

XLS 1000

*1 kHz Power

2Ω Dual (per channel)	550W
4Ω Dual (per channel)	350W
8Ω Dual (per channel)	215W
8Ω Bridge	700W
4Ω Bridge-Mono	1,100W

*Maximum average power in watts at 0.5% THD, 1 kHz.

XLS 1500

*1 kHz Power

2Ω Dual (per channel)	775W
4Ω Dual (per channel)	525W
8Ω Dual (per channel)	300W
8Ω Bridge	1,050W
4Ω Bridge	1,550W

*Maximum average power in watts at 0.5% THD, 1 kHz.

XLS 2000

*1 kHz Power

2Ω Dual (per channel)	1,050W
4Ω Dual (per channel)	650W
8Ω Dual (per channel)	375W
8Ω Bridge	1,300W
4Ω Bridge	2,100W

*Maximum average power in watts at 0.5% THD, 1 kHz.

XLS 2500

*1 kHz Power

2Ω Dual (per channel)	1,200W
4Ω Dual (per channel)	775W
8Ω Dual (per channel)	440W
8Ω Bridge	1,550W
4Ω Bridge	2,400W

*Maximum average power in watts at 0.5% THD, 1 kHz.



PERFORMANCE

Sensitivity (for full rated power at 4 ohms): 1.4 Vrms.

Frequency Response

(at 1 watt, 20 Hz to 20 kHz): +0 dB, -1 dB.

Signal-to-Noise Ratio

Rated as dB to full rated 8 ohm power output (A-Weighted):

XLS 1000 > 97 dB

XLS 1500, XLS 2000, XLS 2500 > 103 dB

Total Harmonic Distortion (THD): < 0.5%.

Intermodulation Distortion (IMD):

(60 Hz and 7 kHz at 4:1)

from full rated output to -30 dB: < 0.3%.

Damping Factor (8 ohm) 10 Hz to 400 Hz: >200.

Crosstalk (below rated 8 ohm power):

At 1kHz: > 85dB

At 20kHz: >55dB

Input Impedance (nominal):

20 kilohms balanced, 10 kilohms unbalanced.

Load Impedance:

2 to 8 ohms per channel in Stereo, 4 to 8 ohms in Bridge Mono.

AC Line Voltage and Frequency

Configurations Available (±10%):

120 VAC 60 Hz, 100 VAC 50/60 Hz, 220 and 240 VAC 50 Hz.

CONTROLS

Level: Two front-panel rotary level controls, one for each channel.

LCD Screen: Back-lit LCD allows for crossover configuration, amp mode configuration and clip compressor configuration.

Menu/Prev/Next: Three buttons located near the LCD screen that are used to configure and access the integrated processing.

Power: Front-panel switch; on when in the IN position. Blue LED will illuminate when on.

Circuit Breaker: Back-panel breaker provides overload protection.

INTEGRATED PROCESSING

PureBand™ Crossover System

Crossover Filter: Linkwitz-Riley 24dB per octave

Crossover Frequency Range: 50 Hz - 3 kHz

Crossover Mode: Crossover (CH1=LPF, CH2=HPF), Low Pass (both channels LPF), High Pass (both channels HPF), Bridge (LPF or HPF)

Peak,™ Limiters: Channel independent clip limiter designed to provide maximum output while protecting your loudspeakers

INDICATORS

Signal Presence Indicators: Two green LEDs, one for each channel, illuminate when the channel's input signal exceeds -40 dBu.

-10 Indicator: Green LED flashes when output signal exceeds -10 dB below clip.

-20 Indicator: Green LED flashes when output signal level exceeds -20 dB below clip.

Clip Indicators: Two red LEDs, one for each channel, illuminate when the channel's output is being overdriven.

Thermal Indicator: Two red LEDs, one for each channel, illuminate when thermal compression begins.

01/10

*Preliminary specs are subject to change.

INPUT/OUTPUT

Input Connectors: XLR (one per channel), 1/4 inch (one per channel), and RCA (one per channel). 1/4-Inch connectors can be used as loop-thrus to distribute signal to additional amplifiers.

Output Connectors: Two 4-Pole Speakon® Output Connectors accept 2-pole or 4-pole Speakon® connectors. The top Speakon connector is wired for both channels so it can be used for bridge-mono wiring or for stereo wiring of two speakers to a single Speakon connector.

One pair of back-panel binding posts per channel; accepts banana plugs or bare wire. (European models do not accept banana plugs.)

PROTECTION

XLS Series amplifiers provide extensive protection and diagnostic capabilities, including output current limiting, DC protection, circuit breaker, and thermal protection.

CONSTRUCTION

XLS 1000/XLS 1500: 8.12-Inch (20.62cm) depth

XLS 2000/XLS 2500: 10.35-Inch (26.29cm) depth

Ventilation: Flow-through ventilation from front to back.

Cooling: Internal heat sinks with forced-air cooling for rapid, uniform heat dissipation.

Air Volume Requirements (per minute per unit): 80.15 ft³ (2.27 m³).

Dimensions: EIA Standard 19-inch (48.3-cm) rack mount width

(EIA RS-310-B), 3.5-inch (8.9-cm) height.

XLS 1000/1500: 7.7-inch (19.6-cm) depth.

XLS 2000/2500: 10.7-inch (27.2-cm) depth.

WEIGHT

Net Weight:

XLS 1000: 8.6 lb (3.9 kg)

XLS 1500: 8.6 lb (3.9 kg)

XLS 2000: 10.8 lb (4.9 kg)

XLS 2500: 10.8 lb (4.9 kg)

Shipping Weight:

XLS 1000: 13.6 lb (6.2 kg)

XLS 1500: 13.6 lb (6.2 kg)

XLS 2000: 15.8 lb (7.1 kg)

XLS 2500: 15.8 lb (7.1 kg)



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