

XLS SERIES

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The XLS Series of power amplifiers from Crown represents a new era in affordable, quality power amplification. The line consists of five models in a uniform, rugged 2U chassis (3U in the XLS 5000), incorporating the best of tried-and-true design principles and innovative features.

The five models in the series are the XLS 202, XLS 402, XLS 602, XLS 802, and XLS 5000. They are identical except for output power and weight. The XLS 5000 has a 3U chassis.

XLS Series amplifiers are professional stereo power amplifiers engineered to meet 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 affordable Crown XLS Series. They are a powerful argument for quality 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.

Specifications

The following applies to units in Stereo mode with 8-ohm loads unless otherwise specified.

Performance

Sensitivity (for full rated power at 4 ohms): 1.25 Vrms.

Frequency Response (at 1 watt, 22 Hz to 20 kHz): +0 dB, -1 dB.

Signal-to-Noise Ratio (20 Hz to 20 kHz, inputs terminated):

A-weighted, below rated power: > 100 dB.

No weighting, below rated power: > 95 dB.

Total Harmonic Distortion (THD): < 0.5%.

Intermodulation Distortion (IMD):

(60 Hz and 7 kHz at 4:1) from full rated output to -40 dB: < 0.3%.

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

Crosstalk (below rated power):

at 1 kHz: -75 dB.

at 20 kHz: -59 dB.

Input Impedance (nominal): 20 kilohms balanced, 10 kilohms unbalanced.

Output Power: See power charts.

Features

- Reliable design incorporates many popular features
- Housed in a rugged, all-steel 2U chassis (3U for the XLS 5000)
- Efficient forced-air fans prevent excessive thermal buildup
- Electronically balanced XLR inputs; touch-proof binding post and Speakon® outputs
- Precision detented level controls, power switch, power LED, and six LEDs which indicate signal, clip and fault for each channel.
- Three-Year, No-Fault, Fully Transferable Warranty completely protects your investment and guarantees its specifications

Load Impedance:

XLS 202, 402, 602, 802: 4 to 8 ohms per channel in Stereo, 8 ohms in Bridge Mono.

XLS 5000: 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 VAC 50 Hz, and 230-240 VAC.

Controls

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

Power: Front-panel switch; on when in the IN position.

XLS 602

*1 kHz
Power

4-ohm Stereo (per channel)	600W
8-ohm Stereo (per channel)	380W
8-ohm Bridge-Mono	1,200W

*1 kHz Power: refers to maximum average power in watts at 1 kHz with 0.5% THD.

XLS 202

*1 kHz
Power

4-ohm Stereo (per channel)	300W
8-ohm Stereo (per channel)	200W
8-ohm Bridge-Mono	600W

*1 kHz Power: refers to maximum average power in watts at 1 kHz with 0.5% THD.

XLS 802

*1 kHz
Power

4-ohm Stereo (per channel)	800W
8-ohm Stereo (per channel)	500W
8-ohm Bridge-Mono	1,600W

*1 kHz Power: refers to maximum average power in watts at 1 kHz with 0.5% THD.

XLS 402

*1 kHz
Power

4-ohm Stereo (per channel)	450W
8-ohm Stereo (per channel)	300W
8-ohm Bridge-Mono	900W

*1 kHz Power: refers to maximum average power in watts at 1 kHz with 0.5% THD.

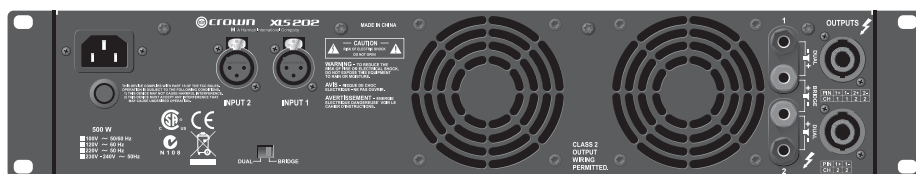
XLS 5000

1 kHz
Continuous Average
Power with 0.1% THD

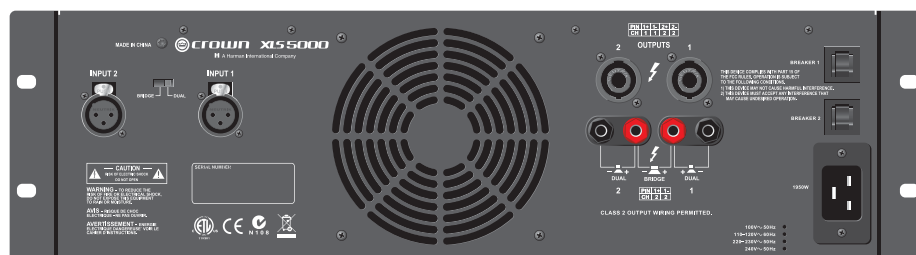
2-ohm Stereo (per channel)	2,500W*
4-ohm Stereo (per channel)	1,800W
8-ohm Stereo (per channel)	1,100W
8-ohm Bridge-Mono	3,600W
4-ohm Bridge-Mono	5,000W*

*with 1% THD.

XLS 202, 402, 602, 802 Back Panel



XLS 5000 Back Panel



Circuit Breaker: Back-panel breaker provides overload protection.

Mode Switch: Back-panel switch selects Dual or Bridge-Mono mode.

Indicators

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

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

Power Indicator: Blue LED indicates amplifier has been turned on and AC power is available.

Fault Indicator: Two red LEDs, one for each channel, illuminate when amplifier is in protect mode. Also illuminates briefly during normal power-up when amplifier is first switched on.

Input/Output

Input Connectors: One per channel; back-panel three-pin female XLR input connectors.

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

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 (XLS 202, 402, 602, 802): EIA Standard 19-inch (48.3-cm) rack mount width (EIA RS-310-B), 3.5-inch (8.9-cm) height and 15.2-inch (38.6-cm) depth.

Dimensions (XLS 5000): EIA Standard 19-inch (48.3-cm) rack mount width (EIA RS-310-B), 5.25-inch (13.3-cm) height and 15.5-inch (39.5-cm) depth.

Weight

Net Weight:

XLS-202: 23.0 lb (10.4 kg)
XLS-402: 25.7 lb (11.7 kg)
XLS-602: 29.0 lb (13.2 kg)
XLS-802: 35.5 lb (16.1 kg)
XLS-5000: 62.0 lb* (27.7 kg)*

Shipping Weight:

XLS-202: 28.0 lb (12.7 kg)
XLS-402: 30.7 lb (13.9 kg)
XLS-602: 34.0 lb (15.4 kg)
XLS-802: 40.5 lb (18.4 kg)
XLS-5000: 74.0 lb* (33.6 kg)*

*Preliminary

Crown's Three-Year, No-Fault, Fully Transferable Warranty

Crown offers a Three-Year, No-Fault, Fully Transferable Warranty for every new Crown amplifier—an unsurpassed industry standard. With this unprecedented No-Fault protection, your new Crown amplifier is warranted to meet or exceed original specifications for the first three years of ownership. During this time, if your amplifier fails, or does not perform to original specifications, it will be repaired or replaced at our expense. About the only things not covered by this warranty are those losses normally covered by insurance and those caused by intentional abuse. And the coverage is transferable, should you sell your amplifier.

See your authorized Crown dealer for full warranty disclosure and details. For customers outside of the USA, please contact your authorized Crown distributor for warranty information or call 574-294-8200.



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