



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

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](http://www.crownaudio.com).

# EVOLUTION

## Features

- Reliable design incorporates many popular features.
- Housed in a rugged, all-steel 2U chassis.
- Efficient forced-air fan prevents excessive thermal buildup.
- Electronically balanced XLR inputs; touch-proof binding post and Speakon® outputs.
- Precision detented level controls, power switch, and four LEDs, which indicate clip for each channel, power and fault conditions.

	*1 kHz Power				
	2-ohm Stereo (per channel)	4-ohm Stereo (per channel)	8-ohm Stereo (per channel)	4-ohm Bridge-Mono	8-ohm Bridge-Mono
<b>XLS 202</b>	<b>250W</b>	<b>200W</b>	<b>145W</b>	<b>500W</b>	<b>400W</b>
<b>XLS 402</b>	<b>570W</b>	<b>400W</b>	<b>260W</b>	<b>1,140W</b>	<b>800W</b>
<b>XLS 602</b>	<b>840W</b>	<b>600W</b>	<b>370W</b>	<b>1,680W</b>	<b>1,200W</b>

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

# XLS SERIES

## Specifications

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

### Performance

**Sensitivity** (volts RMS) for full rated power at 4 ohms.  
XLS 202: 0.725V, XLS 402: 1.025V, XLS 602: 1.260V.

**Frequency Response** (at 1 watt) 20 Hz to 20 kHz:  
±0.75 dB.

**Phase Response** (degrees at 1 watt)  
at 10 Hz: -10, at 20 kHz: +19.

**Signal-to-Noise Ratio** (20 Hz to 20 kHz)  
A-weighted, below rated power: > 100 dB.  
No weighting, below rated power: > 95 dB.

**Total Harmonic Distortion** (THD) from 20 Hz  
to 1 kHz: < 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: -82 dB,  
at 20 kHz: -58 dB.

**Voltage Gain** (at maximum output): 31 dB.

**Load Impedance:** Safe with all types of loads.  
Rated for 2 to 8 ohms per channel in Stereo, 8  
ohms in Bridge Mono.

**AC Line Voltage and Frequency Configurations Available** (±10%): 100VAC/60 Hz, 120VAC/60 Hz, 220VAC/50 Hz, 230VAC/50Hz and 240VAC/50 Hz.

### Controls

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

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

**Circuit Breaker:** Provides overload protection.

### Indicators

**Clip:** Two front-panel red LEDs, one for each channel, illuminate when the channel's output signal is being overdriven.

**Power:** Green front-panel LED indicates amplifier has been turned on and AC power is available.

**Fault:** Yellow front-panel LED illuminates 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 connectors.

**Input Impedance** (nominally balanced, nominally unbalanced): 20 k ohms, 10 k ohms.

**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, 5-way binding posts per channel; accepts banana plugs, spade lugs or bare wire. (European models do not accept banana plugs.)

**DC Output Offset** (shorted input): ±10 millivolts.

**Output Signal:** Stereo, unbalanced, two-channel.

### Protection

XLS Series amplifiers provide extensive protection and diagnostic capabilities, including output current limiting, DC protection, circuit breaker, and special thermal protection for the unit's transformers.

### 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 ft<sup>3</sup> (2.27 m<sup>3</sup>).

**Dimensions:** EIA Standard 19-inch (48.3-cm) rack mount width (EIA RS-310-B), 3.5-inch (8.9-cm) height and 14-inch (35.6-cm) depth behind the mounting surface.

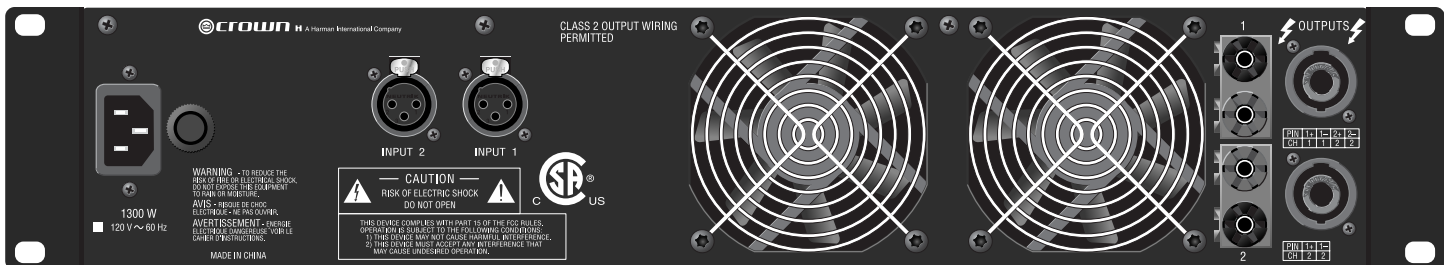
### Weight

#### Net Weight:

XLS 202: 21.0 lbs. (9.5 kg)  
XLS 402: 25.3 lbs. (11.5 kg)  
XLS 602: 27.2 lbs. (12.3 kg)

#### Shipping Weight:

XLS 202: 26.0 lbs. (11.8 kg)  
XLS 402: 30.3 lbs. (13.8 kg)  
XLS 602: 32.2 lbs. (14.6 kg)



## 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.



# CROWN

H A Harman International Company

Crown International  
P.O. Box 1000  
Elkhart, IN 46515-1000  
TEL: 574-294-8200  
FAX: 574-294-8FAX  
[www.crownaudio.com](http://www.crownaudio.com)

Specifications subject to change without prior notice. Latest information available at [www.crownaudio.com](http://www.crownaudio.com).  
Crown is a registered trademark of Crown International. Other trademarks are the property of their respective owners. Printed in U.S.A.

© 2004 Crown Audio, Inc.

136361-3 3/04