

# Crown XLC Series Cinema Power Amplifiers

→ XLC2500, XLC2800



**crown**<sup>®</sup>  
by HARMAN

Crown XLC series amplifiers include XLC2500 (2\*500W/4Ω) and XLC2800 (2\*800W/4Ω), which are specially designed for cinema applications. With its help, you can enjoy the stable and reliable performance of system, and the perfect sound from speakers. By connecting it to the Crown CXM2000 monitor and crossover system, you can monitor either the processor input signals or the amplifier output signals. You can also see the fault alarms directly on the CXM2000 front panel or TMS (Theater Management System) interface.

Together with JBL BC series cinema speakers and Crown CXM2000, Crown XLC series amplifiers offer a perfect cinema audio solution.

- ▶ Two models of 500W (XLC2500) and 800W (XLC2800) per channel at 4 ohms.
- ▶ Compatible with JBL cinema speaker 3722(N), 4722(N), 3730, 3252(N), 4641, 4642A, 8320, 4181, 8281, 8340A, 8350, SCS8, SCS12 to deliver the high quality sound.
- ▶ Compatible with Crown Monitor and Crossover System CXM2000 for monitor, fault detection and crossover functions.
- ▶ Compatible with Crown Monitor System DSI-8M for monitor function.
- ▶ Power for 2 ohm, 4 ohm and 8 ohm outputs, supporting stereo, parallel and bridge outputs.
- ▶ Support parallel connection of cinema surround speaker.
- ▶ Indicators provide accurate diagnostics: Power, Signal, Clip and Fault.
- ▶ Volume control on rear panel.
- ▶ HD-15 and phoenix connectors make the system wiring easy.
- ▶ High performance, light weight class-D amplifier - weights less than 5kg (net weight).

## XLC 2500

1kHz Power

2Ω Dual (per channel)	<b>775W</b>
4Ω Dual (per channel)	<b>500W</b>
8Ω Dual (per channel)	<b>300W</b>
8Ω Bridge	<b>1000W</b>

With 0.5% THD.

## XLC 2800

1kHz Power

2Ω Dual (per channel)	<b>1200W</b>
4Ω Dual (per channel)	<b>775W / 800W*</b>
8Ω Dual (per channel)	<b>440W</b>
8Ω Bridge	<b>1550W / 1600W*</b>

With 0.5% THD.  
\*With 1% THD.



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## Performance

### AC Line Voltage and Frequency, Configurations Available (+/-10%):

100VAC 50/60Hz, 110VAC 60Hz, 220/230~240VAC 50Hz

Channel: 2

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

### Signal-to-Noise Ratio:

XLC2500 (300W Output power, 8ohms Load, 0.5% THD, 35dB Voltage gain, 1kHz, 1.4V Input signal): >103dB

XLC2800 (440W Output power, 8ohms Load, 0.5% THD, 42dB Voltage gain, 1kHz, 1.4V Input signal): >103dB

Total Harmonic Distortion (THD) (1kHz): <0.5%

Damping Factor (8 ohms, 10Hz ~ 400Hz): >200

### Intermodulation Distortion (IMD)

(60Hz ~ 7kHz, 4:1, from full rated output to -30dB): <0.3%

Frequency Response (1W, 20Hz ~ 20kHz): 0dB, -1dB

Crosstalk (below rated 8 ohms power): At 1kHz: >85dB; At 20kHz: >55dB

Input Impedance (nominal): 20 kilohms balanced; 10 kilohms unbalanced

### Load Impedance:

2-8 ohms per channel in Stereo; 4-8 ohms in Bridge / Parallel



### Net Weight

XLC2500: 3.75kg  
XLC2800: 4.72kg

### Shipping Weight

XLC2500: 4.85kg  
XLC2800: 6kg

### 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.

NOTE: Specifications subject to change without prior notice.  
Latest information available at [www.crownaudio.com](http://www.crownaudio.com)



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