

X s S E R I E S

Xs SERIES



The Xs 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, incorporating the best of tried-and-true design principles and innovative features.

The four 2-channel models in the series are the Xs500, Xs700, Xs900, and Xs1200. They are identical to the user except for output power. The Xs4300 is a 4-channel model.

Xs Series amplifiers are professional stereo power amplifiers engineered to meet demanding audio requirements—reliably and within budget. Every Xs Series amplifier is backed by Crown's unequalled Three-Year, No-Fault, Fully Transferable Warranty.

With over five decades of experience designing and building rock-solid products, Crown is the standard in amplifier technology.

For more details about the Xs 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

- Housed in a rugged, all-steel 2U chassis
- Efficient forced-air fan prevents excessive thermal buildup
- 2-channel models have XLR-1/4" combo and Phoenix-style inputs, daisy-chain XLR outputs, touch-proof binding post outputs and Speakon® outputs. Xs4300 has XLR-1/4" combo inputs and touch-proof binding post outputs
- Precision detented level controls, power switch, and eight LEDs which indicate signal and clip for each channel, power, AC mains, bridge mode, temperature and fault conditions
- Microprocessor-controlled protection system
- Three-Year, No-Fault, Fully Transferable Warranty completely protects your investment and guarantees its specifications

Xs900

1 kHz
Power*

2-ohm Dual (per ch.)	1,200W**
4-ohm Dual (per ch.)	900W
8-ohm Dual (per ch.)	600W
4-ohm Bridge	2,500W**
8-ohm Bridge	2,100W

*1 kHz Power: refers to maximum average power in watts at 1kHz with 0.15% THD.

** at 0.5% THD.

Specifications

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

Performance

Power Output: See power charts at left.

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

Frequency Response (at 1 watt) 22 Hz to 22 kHz: ±1 dB.

Phase Response (degrees at 1 watt, 20 Hz to 20 kHz): +5°, -18°

Signal-to-Noise Ratio:

A-weighted, below rated power: > 102 dB.

22Hz to 22kHz, below rated power: > 97 dB.

Total Harmonic Distortion (THD) at full bandwidth power, from 20 Hz to 20 kHz: < 0.5%.

Intermodulation Distortion (IMD):

(60 Hz and 7 kHz at 4:1) from full rated output to -40 dB: < 1%. From full rated output to -30 dB: < 0.5%.

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

Crosstalk (below rated power):

Xs500 (1 kHz, 20 kHz): > 55 dB, > 55 dB
Xs700 (1 kHz, 20 kHz): > 55 dB, > 55 dB
Xs900 (1 kHz, 20 kHz): > 67 dB, > 62 dB
Xs1200 (1 kHz, 20 kHz): > 65 dB, > 45 dB
Xs4300 (1 kHz, 20 kHz): > 57 dB, > 40 dB

Voltage Gain (at maximum level setting):

Xs500: 32:1 (30.1 dB)
Xs700: 38:1 (31.6 dB)
Xs900: 42:1 (32.5 dB)
Xs1200: 47.4:1 (33.5 dB)
Xs4300: 25:1 (27.8 dB)

*Except for rated output at 1 kHz at 0.5% THD in Dual mode with one channel driven into 4 ohms.

Xs500

1 kHz
Power*

2-ohm Dual (per ch.)	750W**
4-ohm Dual (per ch.)	500W
8-ohm Dual (per ch.)	400W
4-ohm Bridge	1,600W**
8-ohm Bridge	1,450W

*1 kHz Power: refers to maximum average power in watts at 1kHz with 0.15% THD.

** at 0.5% THD.

Xs1200

1 kHz
Power*

2-ohm Dual (per ch.)	1,600W**
4-ohm Dual (per ch.)	1,100W
8-ohm Dual (per ch.)	650W
4-ohm Bridge	3,000W**
8-ohm Bridge	2,300W

*1 kHz Power: refers to maximum average power in watts at 1kHz with 0.15% THD.

** at 0.5% THD.

Xs700

1 kHz
Power*

2-ohm Dual (per ch.)	900W**
4-ohm Dual (per ch.)	750W
8-ohm Dual (per ch.)	450W
4-ohm Bridge	1,900W**
8-ohm Bridge	1,645W

*1 kHz Power: refers to maximum average power in watts at 1kHz with 0.15% THD.

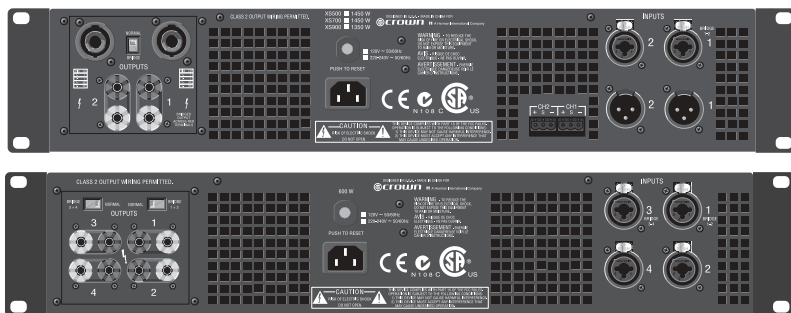
** at 0.5% THD.

Xs4300

1 kHz
Power*

4-ohm Dual (per ch.)	300W
8-ohm Dual (per ch.)	200W
8-ohm Bridge	700W

*1 kHz Power: refers to maximum average power in watts at 1kHz with 0.15% THD.



2-channel
models

Xs4300

Xs SERIES

Load Impedance:

Safe with all types of loads.
Xs500, 700, 900, 1200: 2 to 8 ohms
in Stereo, 4 to 8 ohms in Bridge Mono.
Xs4300: 4 to 8 ohms in Stereo, 8 ohms in
Bridge Mono.

**AC Line Voltage and Frequency Configurations
Available** ($\pm 10\%$): 120VAC/60 Hz and
240VAC/50 Hz.

Controls

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

Power On: Front-panel switch; on when in the
right-hand position.

Indicators

Signal: Two or four green LEDs, one for each
channel, illuminates when the channel's input
signal level is above -40 dBu.

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

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

AC Mains: Red front-panel LED indicates the
presence of AC power at the power cord, even
if the amplifier is not turned on.

Fault: Red front-panel LED illuminates when
amplifier is in protect mode. Also illuminates
briefly during normal power-up when amplifier
is first switched on.

Bridge: Yellow LED indicates that amplifier is in
bridge mode (Channels 1 and 2, Channels 3 and
4 in Xs4300).

Temp: Red LED indicates that channel(s) are in
thermal protect mode.

Input/Output

Input Connectors:

XLR-1/4" combo connectors: One per channel,
3-pin female XLR connector and TRS 1/4"
phone jack accept balanced or unbalanced
signals.

3-pin Phoenix-style connectors (2-channel
models only): One per channel, accepts bal-
anced or unbalanced signals.

Input Impedance (nominal): 20 k ohms bal-
anced, 10 k ohms unbalanced.

Output Connectors:

Balanced XLR connectors (2-channel models
only): One per channel, 3-pin male XLR
connector in parallel with XLR-1/4" combo
and Phoenix-style input connectors for daisy-
chain operation.

5-Way binding post output connectors: One pair
per channel; accept banana plugs, spade lugs
or bare wire. **Note:** Binding post outputs on Euro-
pean models come with safety plugs installed to pre-
vent European power-cord plugs from being inserted.
The top & bottom entry positions for these connectors
should therefore be used with European models.

4-Pole Speakon output connector (2-channel
models only): One connector per channel.
Accepts a 4-pole Speakon connector.

DC Output Offset (shorted input): ± 75 millivolts.

Output Signal: Stereo, unbalanced, two-channel
or four-channel (Xs4300 only)

Protection

Xs Series amplifiers provide extensive protec-
tion and diagnostic capabilities, including output
current limiting, microprocessor-controlled 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 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 and 17.22 inch (43.8 cm) depth
behind the mounting surface.

Weight

Net Weight: 28 lb (12.7 kg).

Shipping Weight: 34 lb (15.4 kg).



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

Crown offers a Three-Year, No-Fault, Fully Transferable Warranty for every new Crown ampli-
fier—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 International
P.O. Box 1000
Elkhart, IN 46515-1000
TEL: 574-294-8200
FAX: 574-294-8FAX
www.crownaudio.com

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