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TECHNOLOGY GROUP

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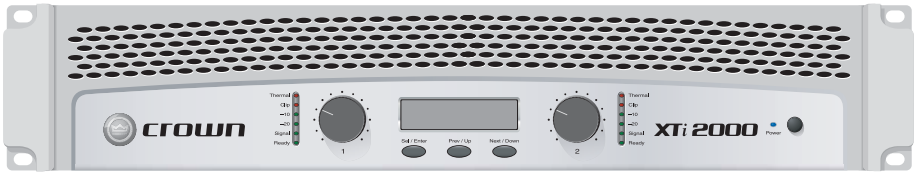
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HiQnet™

XTi Series

XTi SERIES



The XTi Series of Crown® amplifiers are professional tools designed and built for portable PA applications. The series includes three models which are identical except for output power: XTi 1000, 2000 and 4000. All are rugged and lightweight, and offer unmatched value in their class.

XTi-Series amplifiers feature an LCD screen with speaker presets for crossover frequencies, EQ, limiting, delay, and a subharmonic synthesizer. Other features include a switch-mode universal power supply, useful function indicators, proportional-speed fan-assisted cooling, XLR inputs, Speakon® and binding-post outputs, short-circuit protection and more.

With their powerful, reliable performance, XTi-Series amps easily handle 2-ohm loads and are capable of chest-thumping lows. Plus, your investment in an XTi-Series amplifier is backed by Crown's Three-Year, No-Fault, Fully Transferable Warranty.

For more details about the Crown XTi 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

- Integrated speaker presets with LCD front panel display
- Accurate, uncolored sound with very low distortion for the best in music and voice reproduction
- Advanced protection circuitry guards against: shorted outputs, open circuits, DC, mismatched loads, general overheating, high-frequency overloads and internal faults
- Extremely versatile, handling a wide range of speaker impedances and outputs
- Switch-mode universal power supply
- Speaker presets for crossover frequencies, EQ, limiting, and delay
- All products fill 2U rack spaces and weigh under 19 pounds; weight sets a new standard in lightweight amps
- Speakon® and binding post outputs, XLR inputs and loop-thrus
- Comprehensive LED status per channel
- Three-Year, No-Fault, Fully Transferable Warranty completely protects your investment and guarantees its specifications

Specifications

Output Power: See power charts below.

Voltage Gain at 1kHz, 8 ohm rated output:

XTi 1000: 30.5 dB
XTi 2000: 32.9 dB
XTi 4000: 34.2 dB

Frequency Response: +0/–1 dB from 20 Hz to 20 kHz at 1 watt into 4 ohms.

Load Impedance: Safe with all types of loads. Rated for 2 to 8 ohms in Stereo mode, 4 to 16 ohms in Bridge-Mono mode. The XTi 1000 A1 (100V version) is rated for 4 to 8 ohms Stereo, 8 to 16 ohms Bridge Mono.

Sensitivity: 1.4V

Signal to Noise Ratio (below rated 1 kHz power at 8 ohms): 100 dB (A weighted).

Damping Factor: Better than 500 from 20 Hz to 400 Hz.

Crosstalk: > 70 dB below rated power, 20 Hz to 1 kHz.

Input Stage: Input is electronically balanced and employs precision 1% resistors.

Input Impedance (nominal): 20 k ohms, balanced;10 k ohms, unbalanced.

Maximum Input Signal: +22 dBu typical.

AC Line Voltage and Frequency Configurations Available: 100V, 120V, 220-240V 50/60 Hz.

AC Line Current:
XTi 1000: 6.5A
XTi 2000: 6.9A
XTi 4000: 8.0A
At Idle: Draws no more than 90 watts.

Operating Temperature: 0° C to 40° C at 95% relative humidity (non-condensing).

DSP Section

Input EQ: 6 parametric filters per channel with adjustable Q, ±15 dB boost/cut. Also adjustable high and low shelving filters. This 8-filter EQ section can be bypassed.

Crossover Filters: Highpass and lowpass per channel. Butterworth 6/12/18/24 dB per octave. Linkwitz-Riley 24/48 dB per octave. Also includes ±15 dB bandpass gain and polarity control.

Delay: For signal alignment of driver; 50 mS total delay.

Subharmonic Synthesizer: Takes the low-frequency content of the input signal and "synthesizes" a new signal that is the same as the input signal but one octave lower. The new synthesized signal is then mixed with the original signal to create the effect.

Output Limiter: Prevents clipping.

Presets: 20 presets, 19 of which are user-definable.

XTi 1000	1 kHz Power
2 ohm Stereo (per channel)	700W*†
4 ohm Stereo (per channel)	500W
8 ohm Stereo (per channel)	275W
4 ohm Bridge-Mono	1,400W*†
8 ohm Bridge-Mono	1,000W

With 0.5% THD.
*With 1% THD.
†Not rated for 100V versions.

XTi 2000	1 kHz Power
2 ohm Stereo (per channel)	1,000W*
4 ohm Stereo (per channel)	800W
8 ohm Stereo (per channel)	475W
4 ohm Bridge-Mono	2,000W*
8-ohm Bridge-Mono	1,600W

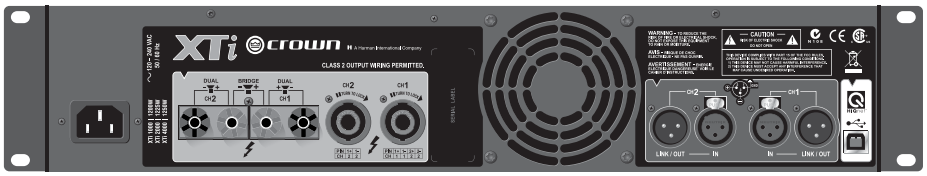
With 0.5% THD.
*With 1% THD.

XTi 4000	1 kHz Power
2 ohm Stereo (per channel)	1,600W*
4 ohm Stereo (per channel)	1,200W
8 ohm Stereo (per channel)	650W
4 ohm Bridge-Mono	3,200W*
8- ohm Bridge-Mono	2,400W

With 0.5% THD.
*With 1% THD.

PORTABLE PA

XTi Series



Front Panel Controls and Indicators

Level: Detented rotary level control, one per channel.

Power Switch: On/off switch applies AC power to the amplifier.

Sel/Prev/Next Buttons: Three buttons near the LCD screen are used to access menu items and front panel lockout.

LCD Screen: Backlit liquid crystal display shows speaker presets.

Signal Indicator: Green LED, one per channel, illuminates when a very low-level signal is present at input. May be used for troubleshooting cable runs.

–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.

Ready Indicator: Green LED, one per channel, illuminates when the amplifier is ready to produce audio.

Clip Indicator: Red LED, one per channel, turns on at the threshold of audible distortion.

Temp Indicator: Red LED, one per channel, illuminates under excessive temperature conditions.

Power Indicator: Blue LED illuminates when the amplifier has been turned on and has power.

Rear Panel Controls and Connectors

AC Line Connector: NEMA 5-15P (15A).

Input Connector: XLR, one per channel.

Link/Out Connector: Loop-thru signal from input connector for linking to another amplifier, one per channel.

Output Connectors: Two Neutrik® Speakon® NL4MP (mates with NL4FC) output connectors. Channel-1 Speakon® is wired with Ch. 1 and Ch. 2 outputs for use with optional single 4-conductor cable. Two binding post outputs (in parallel with Speakon® connectors).

HiQnet USB Connector: Type B, connects to a HiQnet network.

Protection

XTi-Series amplifiers are protected against shorted, open or mismatched loads; overloaded power supplies; excessive temperature; chain destruction phenomena; excessive output current, input overload damage; and high-frequency blowups. They also protect loudspeakers from input/output DC, large or dangerous DC offsets and turn-on/turn-off transients.

Construction

Chassis: Steel.

Cooling: Proportional speed fan with front-to-rear airflow.

Dimensions: EIA Standard 19-in. rack mount width (EIA RS-310-B), 3.5 in. (8.9 cm) high and 12.25 in. (31.11 cm) deep behind mounting surface.

Net Weight:
18.5 lb (8.4 kg)

Shipping Weight:
21.5 lb (9.8 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

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