



Features

- The DriveCore install series represent the latest in amplifier technology. Based on proprietary and patented Harman DriveCore™ technology, these amplifiers are the next generation of PWM technology using cutting edge Class D amplifier topologies.
- True Rack Density – Power points of 300W or 600W in 2/4/8 channel configurations. All in a 2 Rack Unit form factor provides flexibility in design tools.
- Minimum Guaranteed Power Ratings – DCi Amplifiers are guaranteed to deliver at least the rated power in the specifications over a longer period of time than any other competing amplifier.
- Constant Voltage 70V or 100V output is available on a channel by channel basis. Bridging amplifier channels is not required.
- Global Power Supply designed to deliver maximum power no matter where the amplifier is located. Universal AC input accepts 100 – 240VAC, 50/60Hz (±15%).
- DriveCore includes 5 patents that are also included in Crown's flagship touring amplifier I-Tech HD4.
- Audio Architect supported amplifier.
- TCP/IP based protocol in HiQnet for Network Monitoring and Control. Allows amplifier to coexist on a standard network back bone.
- Unprecedented Three-Year, No-Fault, Fully Transferable Warranty. Crown amplifiers are warranted to meet or exceed original specifications for the first three years of ownership.

Monitoring features include:

- Continuous Load Monitoring
- Comprehensive Error Reporting
- Sweep Load Monitoring

Digital Signal Processing features include:

- LevelMAX™ Limiters for Inputs and Outputs with Thermal Limiting
- Input Compressor
- Input and Output Delay
- Input and Output EQ
- Signal Generator
- Crossover

DCi Network

The new DCi Network amplifier is a complete line of high performance installation amplifiers that include network monitoring and control, BLU-Link digital audio transport, and Digital Signal Processing (DSP). Based on the proprietary DriveCore technology, the DCi amplifier series are designed, engineered and manufactured to the industry's highest quality standards, and provide integrators advanced features and flexibility required for challenging 21st century installed sound applications. Versatile, compact and highly energy-efficient, DCi Series amplifiers continue the unbroken Crown tradition of leadership in professional and commercial power amplifier technology.



8 channel model shown

Performance Specifications

Input Impedance (balanced, unbalanced): 10kOhms, 5kOhms

S/N ratio below rated full bandwidth power, A-weighted: >108dB

Total Harmonic Distortion: < 0.35%

Noise – FFT: All tones <-80dB (20Hz to 20 kHz).

Voltage Gain: 34 dB

Input Sensitivity: 1.0V for 4/8Ω (300W), 1.4V for 4/8Ω (600W) and 70V; 2.0V for 100V

Maximum Input Level: +20dBu.

Frequency Response: (1W into 8Ω, 20Hz-20kHz): ±0.25dB

Phase Response: (at 1W 10 – 20 kHz): ±35°

Crosstalk: > 80dB (below rated power 20Hz– 1kHz)

DC output offset (with inputs shorted): ±10mV

Common Mode Rejection: >70dB

Damping Factor: >900

Physical Specifications

Input connectors: Balanced 3-pin block connectors, one per channel

Output connectors: 2 Pin terminal strip. Accepts up to 10 AWG fork terminals or bare wire.

AUX connector: 3-pin block connector

Attenuation Control: 21 detent potentiometer for levels from ∞ to 0 dB

Cooling: Variable Fans, airflow from front to back

Dimensions: 3.5" x 19" x 14.25" (8.75cm x 47.5cm x 35.63cm)

DCi 8|600: 3.5" x 19" x 17" (8.75cm x 47.5cm x 42.5cm)

Weight: <30 lbs

Network: RJ-45 connector forming an IEEE 802.3 Ethernet NIC connection

Data Indicator: Flashes when the amplifier receives a valid command.

Memory Back Up: 4 Megabit nonvolatile FLASH memory backup of run-time settings, presets, and program storage.

General Purpose Input/Output (GPIO): 6-pin RJ-11 with 2 inputs, two outputs, one pin 5V power supply and one pin ground.

Power Specifications

Operating Voltage: 100V – 240V ±15%

Mains Connector: 15 Amp IEC connector

Power Draw at Sleep: Less than 1W

Power Matrix

DCi Model	Channels	2 Ohms	4 Ohms	8 Ohms	70V Vrms	100V Vrms
2 300N	2	150W	300W	300W	300W	300W
2 600N	2	300W	600W	600W	600W	600W
4 300N	4	150W	300W	300W	300W	300W
4 600N	4	300W	600W	600W	600W	600W
8 300N	8	150W	300W	300W	300W	300W
8 600N	8	300W	600W	600W	600W	600W

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 distributors for warranty information or call 574-294-8200. © 2013 Crown Audio®, Inc.