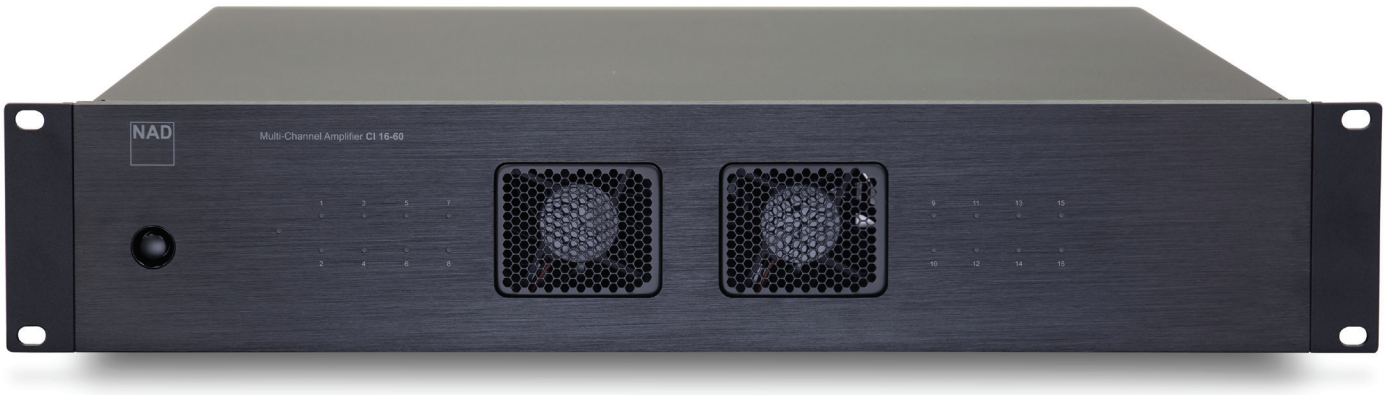
CI 16-60 DSP



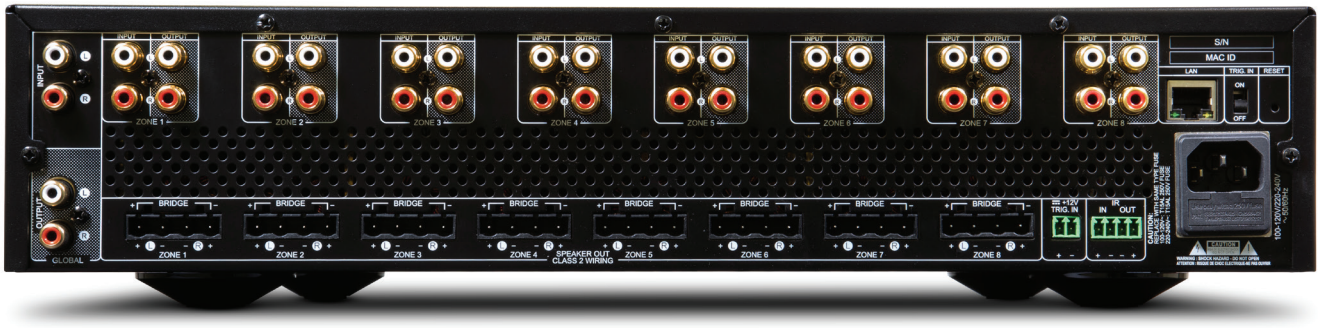
The CI 16-60 DSP is a highly versatile, robust amplifier built for the demands of professional installations. The CI 16-60 delivers a conservative 60 watts per channel at 8 ohms into all of its 16 channels with each pair of channels bridgeable to 140 watts per channel if more power is desired. The hybrid digital amplifier platform delivers stable and efficient power with high current capability all in a 2U rack space. The CI 16-60 DSP uses a customized version of the proven Hypex UcD output stage to deliver great load invariant power with extremely low distortion and noise in the audible range. Every detail of this design has been carefully executed to wring out the best possible performance. Designed to deal with the demands of the custom installation world, the CI 16-60 can effortlessly handle long cable runs and difficult speaker loads.

The CI 16-60 DSP is a network-controlled amplifier which allows the installer to configure and calibrate via a web-based user interface. This user interface offers access to multi-channel digital signal processing (DSP) providing detailed equalisation control. A virtual patch bay permits any input to be routed to any, or multiple outputs without the need to create physical connections. In addition, the UI offers insight into temperature and power status, as well as basic troubleshooting functions like power cycling, factory resetting and updating. Rounding out the CI 16-60's impressive feature set are loop through jacks on all the inputs making it easy to daisy chain sources to multiple amplifiers for larger installations.

FEATURES & DETAILS

- Platform accessed through IP control
- Custom web app manages DSP calibration, IP control and more
- 16 Channels x 60 Watts @ 8 ohm
- Bridgeable - any consecutive channel pair bridgeable to 2 x 140 Watts @ 8 ohm
- Renowned NAD sonic signature
- Effectively handles long cable runs and difficult speaker loads
- Global Input/Output and Individual Channel Input and Output
- 2U Rack height
- 0.5W Standby Mode, 3W
- Network Standby
- 12V Trigger In; IR In/Out
- Multiple Power-up options as well as Eco Mode
- Universal AC Power Supply

CI 16-60 Rear Panel



Specifications CI 16-60

GENERAL	
Continuous output power into 8 ohms	>60 W (all channels driven, 1kHz 0.05% THD
	>65 W (two channels driven, 1kHz 0.05% THD
into 4 ohms	>65 W (all channels driven, 1kHz 0.05% THD
	>105 W (two channels driven, 1kHz 0.05% THD
Continuous output power into 8 ohms at	>140 W (all channels driven, 1kHz 0.05% THD
Bridged mode	>240 W (two channels driven, 1kHz 0.05% THD
THD (1 W to 50 W, 8 ohms and 4 ohms)	<0.05 % (20 Hz – 3 kHz)
	<0.2 % (3kHz – 20 kHz)
Signal-to-Noise Ratio	>80 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
Clipping power (all channels driven)	>60 W (1 kHz 8 ohms 1 % THD)
	>80 W (1 kHz 4 ohms 1 % THD)
Clipping power into 8 ohms at Bridged mode	>150 W (1 kHz 1 % THD - all channels driven)
	>250 W (1 kHz 1 % THD - two channels driven)
IHF dynamic power (all channels driven)	8 ohms: 65 W
	4 ohms: 125 W
IHF dynamic power (two channels driven)	8 ohms: 70 W
	4 ohms: 125 W
IHF dynamic power (Bridged mode, all channels driven)	8 ohms: 270 W
IHF dynamic power (Bridged mode, two channels driven)	8 ohms: 280 W
Peak output current	>15 A (1 ohm, 1 ms)
Damping factor	>110 (20 Hz to 1 kHz 8 ohms)
Frequency response	±1dB (20 Hz - 20 kHz)
Channel separation	>60 dB (1 kHz)
	>55 dB (10 kHz)
Maximum undistorted input level	2900 mV
Input sensitivity (for 50 W in 8 ohms, maximum volume)	760 mV
Input impedance	20 kohms//220pF
Analog input audio sense threshold (one channel with signal)	3 ± 0.5 mVrms (ref. 100 Hz - 10 kHz)
Trigger IN level	3 - 30 Vdc
Standby power	0.5W
DIMENSIONS AND WEIGHT	
Gross dimensions (W x H x D) *	483 x 100 x 435 mm
	19 1/16 x 3 15/16 x 17 3/16 inches
Net weight	10.3 kg (22.7 lbs)
Shipping weight	12.8 kg (28.2 lbs)

* - Gross dimension includes extended rear panel terminals and excludes installed feet

Specifications are subject to change without notice. Check out www.NADelectronics.com for updated documentation or latest information about CI 16-60.