



## Multi-Channel Amplifier

CI 16-60

SKU: 110166

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

- 16 Channels X 60 Watts @ 8 Ohms
- Any consecutive channel pair bridgeable to 2 x 140 Watts @ 8 ohm
- Renowned NAD sonic signature
- 2U Rack Height- saves valuable rack space
- Platform accessed through IP control
- Custom web app manages DSP calibration, Input assignments and more
- Effectively handles long cable runs and difficult speaker loads
- Dual global Inputs/Outputs
- 5W Standby Mode, 3W Network Standby
- 12V Trigger In; IR In/Out
- Multiple power-up options and Eco Mode
- Universal AC Power Supply

Specifications: 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 Bridged mode: 140 W (all channels driven, 1kHz 0.05% THD; 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 (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  $\pm 1$ dB (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)  $3 \pm 0.5$  mVrms (ref. 100 Hz - 10 kHz) Trigger IN level 3 - 30 Vdc Standby power 0.5W Gross dimensions (W x H x D)\* 483x100x435mm; 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)

