CI 8-150 DSP v2

The CI 8-150 DSP v2 delivers high resolution amplification, designed for today's rack mount applications with a level of quality and refinement previously not seen in a CI amplifier. NAD's flagship distribution amplifier is designed to deliver the most sonically refined power available today with the stability and durability necessary to reside in a rack space. The HybridDigital™ nCore amplifier produces 8 x 150 watts per channel @ 8 Ohms and bridgeable to 4 X 280 watts @ 8 Ohms. Designed to fit in a 2U rack space, the CI 8-150 DSP v2 delivers audiophile level performance capable of offering highly detailed sound to the most demanding reference loudspeakers. In addition to a dual bus system and analog inputs, the CI 8-150 DSP offers a pair of optical and digital inputs.

The NAD CI DSP series is a range of network-controlled power amplifiers. This network capability allows integrators to configure the amps via web UI, and monitor them remotely, providing a level of functionality and versatility that far exceeds a conventional power amp, without a huge leap in cost.

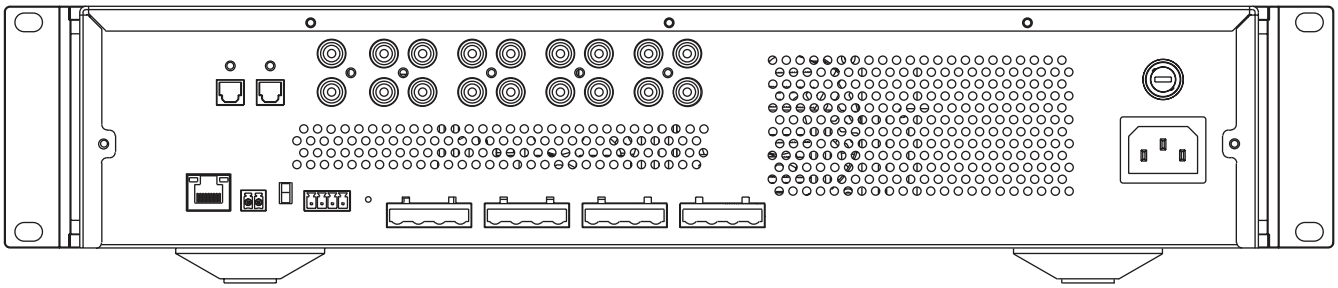
In the updated v2 platform we have improved the web UI, making it simpler to navigate and configure, as well as adding features to make the amplifiers even more flexible. A new Dashboard page allows a quick overview of current status with channel level feedback on input levels, temperature and operational status. A new Zones screen allows channels to be grouped for simple configuration, and the Global Input can now be assigned to only interrupt specific zones. In the DSP settings, we have added Limiters, Delay, Tilt and Phase control to the existing PEQ, High and Low Pass filters, to give even greater power to refine the acoustics of a space or use the amps to power a passive subwoofer, while offering protection for the speakers drive units. Further to this the v2 platform will support a library of DSP Speaker profiles to quickly optimise the performance of selected architectural speakers. In addition, the amplifiers start-up time has been reduced and further power options, such as Zone Sleep, have been added to improve use and efficiency.

As with the original version of the CI DSP series, the amps can accomodate up to 10 AWG speaker cable though their larger Pheonix connector blocks, another improvement in the v2 platform, is an upgrade to snap-on connectors, making set-up quicker and easier for the installer.

FEATURES & DETAILS

- Platform accessed through IP control
- Custom web UI manages DSP calibration, IP control and more
- 8 Channels x 150 Watts @ 8 Ohms
- Bridgeable to 4 channels x 280 Watts @ 8 Ohms
- HybridDigital nCore amplifier delivers unmatched sonic performance
- Effectively handles long cable runs and difficult speaker loads
- Dual global Inputs/Outputs
- 2 x Optical and 2 x Coax Inputs
- 2U Rack height
- 0.5W Standby Mode, 3W Network Standby
- 12V Trigger In; IR In/Out
- Auto Sense Turn-on
- Universal AC Power Supply

CI 8-150 DSP Rear Panel



Specifications CI 8-150

GENERAL		
Continuous output power into 8 ohms		>150 W (ref. 20 Hz-20 kHz at rated THD - all channels driven) >180 W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
Continuous output power into 4 ohms		>180 W (ref. 20 Hz-20 kHz at rated THD - all channels driven) >300W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
Continuous output power into 8 ohms at Bridged mode		>280 W (ref. 20 Hz-20 kHz 0.02% THD - all channels driven) >500 W (ref. 20 Hz-20 kHz 0.02% THD - two channels driven)
THD (20 Hz – 20 kHz)		<0.02 % (1 W to 120 W, 8 ohms and 4 ohms)
Signal-to-Noise Ratio		>90 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
Clipping power (All channels driven)		>160 W (1 kHz 8 ohms 0.1 % THD) >200 W (1 kHz 4 ohms 0.1 % THD)
Clipping power into 8 ohms at Bridged mode		>300 W (1 kHz 0.1 % THD - all channels driven) >550 W (1 kHz 0.1 % THD - two channels driven)
IHF Dynamic Power (all channels driven)	8 Ohms 4 Ohms	180 W 280 W
IHF Dynamic Power (two channels driven)	8 Ohms 4 Ohms	200 W 360 W
IHF Dynamic Power (Bridged mode, All channels driven)	8 Ohms 4 Ohms	520 W 670 W
IHF Dynamic Power (Bridged mode, two channels driven)	8 Ohms 4 Ohms	600 W 800 W
Peak output current		>26 A (1 ohm, 1 ms)
Damping Factor		>150 (ref. 8 ohms, 20 Hz to 6.5 kHz)
Frequency Response		±0.5 dB (20 Hz - 20 kHz)
Channel separation		>75 dB (1 kHz) >65 dB (10 kHz)
Maximum undistorted input level		3300 mV
Input sensitivity (for 150 W in 8 ohms, maximum volume)		1450 mV
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		0.5 W
DIMENSION AND WEIGHT		
Gross dimensions (W x H x D)*		483 x 90 x 435 mm 19 1/16 x 3 9/16 x 17 3/16 inches
Shipping weight		17.6 kg (38.8 lbs)

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