



CP-16i Front



CP-16i Rear

RTI Audio Distribution Systems



RTI Audio Distribution Systems
AD-4x 4 Sources - 4 Zones
AD-8x 8 Sources - 8 Zones
AD-16x 16 Sources - 16 Zones

RTI Control System



CP-16i

16 Channel 100W Cool Power® Audio Amplifier

The CP-16i Audio Amplifier is ideal for discerning listeners who demand the highest quality audio in every room. Capable of delivering 100 watts of true audiophile-grade sound to 16 channels, the Cool Power amplifier easily expands the reach of any audio distribution system. Engineered to perform as well as it sounds, the CP-16i features highly efficient, Class-D amplification, overload detection and a compact chassis that fits nicely into one rack space.

Perfect for residential and commercial settings, the experience is the same in every room - amazing. Put RTI technology to the test - you'll never miss a beat.

Key Features

- Sixteen channel amplifier utilizes Cool Power® technology.
- Audio output is 100 watts per channel at 4 ohms.
- Bridging audio outputs increases power to 200 watts per channel.
- Easily expands the RTI AD-4x/AD-8x Audio Distribution Systems and AD-16x Audio Matrix.
- Compatible with virtually any audio distribution system.
- Power control via voltage triggers or audio signal sense.
- Signal Sense feature automatically powers the CP-16i on when an audio signal is detected or puts the unit in standby mode when no signal is present.
- Voltage trigger pass-through for powering on/off additional amplifiers.
- Thermal overload and OC (Overcurrent) monitor indicators protect the amplifier.
- Rackmounting requires just 1RU or use included feet for free standing installations.
- Class-D amplifier technology ensures efficient heat dissipation and low power consumption.

Specifications

AC Input Voltage 115VAC or 240VAC (Switchable), 230W
 Main Power Switch Front Panel On/Off LED
 Mounting Rack mount (1RU) or free standing
 Dimensions (HxWxD) 1.7 in (44 mm) x 17.25 in (438 mm) x 8.98 in (228mm)
 w/o connectors and 9.30 in (236 mm) deep with connectors
 Weight 9.0 lbs (4.08 kg)
 Signal Sense Audio input sense, 12V trigger and 3-5V trigger
 Standby Power Consumption Less than 0.25W
 Warranty Three Years (parts & labor)

Audio

Number of Channels 16 channels in 8 stereo zones: each zone can be bridged
 Output Power 100W per ch. in SE, 4Ω (1.0%THD+N, 20 Hz - 20kHz)
 200W per ch. in BTL, 8Ω (1.0%THD+N, 20Hz - 20kHz)
 Amplifier Gain: (20Hz - 20kHz) 25.8dB ± 0.5dB
 Amplifier Input: Single Ended input - 1 Vrms max Input Voltage without clipping
 Amplifier Output: Single Ended output stage - GND referenced
 Max Output Voltage without clipping is 28Vp
 THD + N 1.0%, 4Ω, SE, f=100Hz, Po=1W
 Dynamic Range 110dBA SE, 115dBA BTL
 Idle Noise 50uV, A-weighted, 20Hz-20kHz
 Upper Bandwidth, -3dB 100 kHz, 4Ω, SE
 120 kHz, 8Ω, SE
 Frequency Response ± 0.4dB, 10Hz - 20kHz, all loads
 Input Impedance 47K Ω
 Output Serial Impedance 30m Ω, f ≤ 1kHz

AC Mains Power

AC Mains Power Universal Mains 100 - 240 VAC, 50 - 60Hz
 Fuse Rating T6.3A_H 250V
 Power Connection .. IEC 320 C13 power connector with 3-pole detachable power cord

Thermal

Environmental Operating Temperature +32° to +113° F (0° to +45° C)
 Thermal dissipation 2 low noise fans mounted in side panels
 Thermal dissipation heat loss 0.23 W / 0.8 BTU/hr, standby
 40 W / 135.5 BTU/hr, idle, all ch.
 100 W / 341 BTU/hr, max output power, all, ch. driven

NOTE: Note that the CP-16i requires an external preamp for volume control.

All features and specifications subject to change without notice



Rear view

RTI User Interfaces

Remote Controls
 Keypads
 Audio Control Keypads
 In-Wall Touchpanels
 Tabletop Touchpanels
 Mobile Apps



RTI Control Accessories

Control Processors
 System Kits
 RS-232 Modules
 IR Modules
 Relay Modules
 Z-Wave Modules



RTI Audio/Video Distribution

HDMI Splitters & Switchers
 HDMI Matrix Switchers
 HDBaseT Matrix Switchers
 HDBaseT Extenders
 Presentation Switchers
 Video over IP Transceivers



It's Under Control®

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