CP-450

CP-450 Four Channel Power Amplifier

The CP-450 is designed to add more power to an audio distribution system, at a moderate price. Equipped with a 50 watt per channel Cool Power® Amplifier, the CP-450 is perfect for installations using the AD-8 Audio Distribution System that require a couple extra speakers for those bigger rooms or maybe adding another room to a zone.

With an audio distribution system such as the AD-8 that does all the source switching and volume control, the CP-450 is designed to sit quietly in the rack, offering up additional power to where it's needed. Designed with a slim form factor, only one space is needed in rack installations, while feet are included for free standing installations. Flexible control options include IR, RS-232 or a voltage trigger input to power the unit on, while a 12VDC trigger out and IR pass through make adding multiple CP-450 amplifiers a breeze.

Key Features

• Four channel amplifier utilizes Cool Power® technology.

• Fifty watts per channel.

• Quickly and easily expands AD-8 speaker outputs.

• Voltage trigger (3-30V AC/DC), RS-232 or IR power control.

• Rackmount or free standing installation.

• IR pass through port for cascading IR signal to additional amplifiers.

• Voltage trigger output for power control of additional amplifiers.

RTI Control Systems

With RTI control systems, audio is just the beginning. Imagine every aspect of your environment working in complete harmony – from audio and video to lighting, security, temperature and more. Such scenarios are only made possible from an audio distribution system backed by a professional grade control system. Thanks to the efficient engineering that defines the CP-450, there is no reason to limit yourself to a system that was designed only for music – with RTI so much more is possible.

CP-450 Rear View

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Specifications

AC Input Voltage .... *115VAC or 240VAC (Switchable), 230W*

Power Switch .... *Front Panel On/Off with LED*

Mounting .... *Rack mount or free standing*

Dimensions (HxWxD) .... *2.1in(53mm)x16.9in(430mm)x13.3in(340mm)*

Weight .... *14lbs (6.4kg)*

Operating Temperature .... *C -10 to +40degrees, F +14 to +104 degrees*

IR Input .... *One, 3.5mm, for IR control*

IR Output .... *One, 3.5mm, for IR Passthrough*

RS232 Port .... *One, Bidirectional control*

Trigger Output .... *One, 12VDC, to trigger another CP-1650*

Trigger Input .... *One, 3-30VDC, for power control*

Speaker Outputs .... *Two stereo outputs, two channels each, phoenix connectors*

Audio Inputs .... *Two stereo, RCA jacks (4)*

Rated Power/Channel .... *50 Watts, 20Hz to 20KHz (RMS, 2 chan driven 8ohms)*

Rated Power/Channel .... *70 Watts, 20Hz to 20KHz (RMS, 2 chan driven 4ohms)*

IHF Dynamic Power .... *80 Watts/1KHz at 8 ohm load*

.... *120 Watts/1KHz at 4 ohm load*

Total Harmonic Distortion @50W/8 ohms & 70W/4 ohms *0.5%*

Total Harmonic Distortion @1W/8ohm *0.05%*

S/N @ Rated Power, IEC A-wtd, Source Input Shorted *100dB*

Frequency Response 20Hz to 20KHz @1W/8ohm .... *0dB +/- 0.5dB*

Input Sensitivity *1W/8ohms, 140mV/1V*

Input Impedance *22KOhms*

Channel Separation @ Rated Power/1KHz *85dB*

Crosstalk Between Sources @ Rated Power/1KHz *100dB*

Crosstalk Between Zones @ Rated Power/1KHz *95dB*

Warranty .... *One Year (parts & labor)*

All features and specifications subject to change without notice

Other RTI Products & Accessories

RTiPanel	**Mobile Device Control Application**
Virtual Panel	**PC Control Application**
SURFiR	**Companion Remote (for tablets/phones)**
T1-B	**Universal System Controller**
T2-B	**Universal System Controller**
T2-Cs+	**Universal System Controller**
T2-C+	**Universal System Controller**
T3-V+	**Universal System Controller**
T4	**Universal System Controller**
U2	**Weather Resistant Controller**
RKM-1	**In-Wall Multi-Room Audio Keypad**
RK1	**In-Wall Keypad Controller**
RK2	**In-Wall Touchscreen Controller**
RK3-V	**In-Wall Touchscreen Controller**
KX-7	**In-Wall Touchscreen Controller**
RK10	**In-Wall Touchscreen Controller**
RP-1	**Remote Control Processor**
XP-3	**Remote Control Processor**
XP-6	**Remote Control Processor**
XP-8	**Remote Control Processor**
AD-4	**Distributed Audio System**
AD-8	**Distributed Audio System**
CP-1650	**16 Channel Power Amplifier**
RTiDock	**Apple iPod® Dock**
CB-8	**In-wall Connecting Block**
CM-232	**Serial Communication Module**
CPB-1	**Control Port Connecting Block**
ECB-5	**IR Emitter Connecting Block**
ESC-2	**Ethernet Serial Converter**
IR-PRO	**Professional IR Capture System**
PCM-8	**Port Control Module**
RCM-4	**Ethernet Relay Control Module**
RCM-12	**Relay Control Module**
RM-433	**RF Receiver**
vIRsa Mouse	**IR Emitter**
VPS-1	**Voltage Power Sensor**
ZB-PRO	**Professional Network Management Tool**
ZM-24	**Transceiver Module**

RTI

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