

# C2N-AMP-4X100

## 4 Room Audio System

- > Affordable audio distribution for 4 rooms, expandable up to 16 rooms
- > Integrated amplifier delivers 50 W/Ch. @ 8Ω and 75 W/Ch. @ 4Ω
- > Room outputs 1&2 and 3&4 each bridgeable for 150 W/Ch. @ 8Ω
- > Independent control of volume, bass, treble, and other settings per room
- > Six stereo line inputs with loop-thru for easy expansion
- > Front panel controls for source selection and volume control
- > Customizable front panel labelling using Crestron Engraver software or pre-printed labels provided
- > Crestron® system integration via Cresnet®
- > Built-in Cresnet power distribution



The Crestron® C2N-AMP-4X100 delivers cost-effective audio distribution for up to 16 rooms — perfect for small to moderate sized houses, condominiums, and businesses. Each C2N-AMP-4X100 handles up to four rooms, and includes six stereo line inputs to accommodate all your radio and TV tuners, CD and media players, and multi-zone audio servers. With many of the same pro features as Crestron's more expensive systems, the C2N-AMP-4X100 lets everyone enjoy their own choice of music, sports, news or talk in any room as part of a complete Crestron system.

### Powerful Stuff

Each room output is capable of 50 Watts/Ch. @ 8Ω or 75 Watts/Ch. @ 4Ω — perfect for driving a house full of Crestron **Excite™** loudspeakers. Outputs may also be bridged to deliver a robust 150 Watts/Ch. @ 8Ω. Each room has the ability to select any of the six input sources, with complete control over the room's volume, bass, treble, balance, loudness, mute, and mono settings.

### Mansion Expansion

A single C2N-AMP-4X100 provides a perfect solution for a typical apartment or small business — with room to grow. Expanding the system is easy — simply add up to three additional units to support a total of 16 rooms or zones.

### Sources of Inspiration

To complement your multiroom audio system, Crestron offers a full line of source components with many advanced features. Options like our **CEN-IDOCV** or **Crestron iServer®** afford two easy and powerful ways to enjoy your iPod® throughout the house. Or, choose the incredible **ADMS-G2** Intermedia Delivery System™ for a true powerhouse multimedia solution. Multizone radio can be added using the low-cost **C2N-TAMFMXM** AM/FM and XM® Tuner or the versatile **CEN-TRACK** TunerRack Modular Multi-Tuner, offering your choice of satellite, terrestrial, and Internet radio tuner options.<sup>[1]</sup>

### Control Your Way

Crestron offers the widest selection of low-cost keypads, wireless remotes, and advanced **touch screens** for controlling your multiroom system. The **TPMC-3SMD** makes for a perfect complement to the C2N-AMP-4X100, providing a fun and intuitive touch screen controller for accessing all your multimedia sources as well as lighting, climate, and other functions. Crestron also offers the ability to control anything and everything from an **iPhone®, iPad®, or Android™** mobile device.<sup>[1]</sup>

### Great Integration

Cresnet® connectivity allows for easy integration with any Crestron system. Built-in Cresnet distribution provides a convenient termination point for keypads, RF gateways, and other devices. Four Cresnet ports are included on each C2N-AMP-4X100, with 5 Watts of Cresnet power available per port.

## SPECIFICATIONS

### Audio

**Features:** 6x4 stereo matrix switcher, 4-channel audio processor, 4-channel stereo power amplifier, input compensation, amp bridging, fault detection and protection

**Input Signal Types:** Stereo analog line (unbalanced)

**Output Signal Types:** Stereo speaker level

Typical of 6 stereo inputs:

**Input Compensation:** ±10.0 dB per input

Typical of up to 4 amplified stereo zone outputs:

**Output Power:** 50 Watts per channel at 8 Ohms;

75 Watts per channel at 4 Ohms;

150 Watts per channel at 8 Ohms bridged

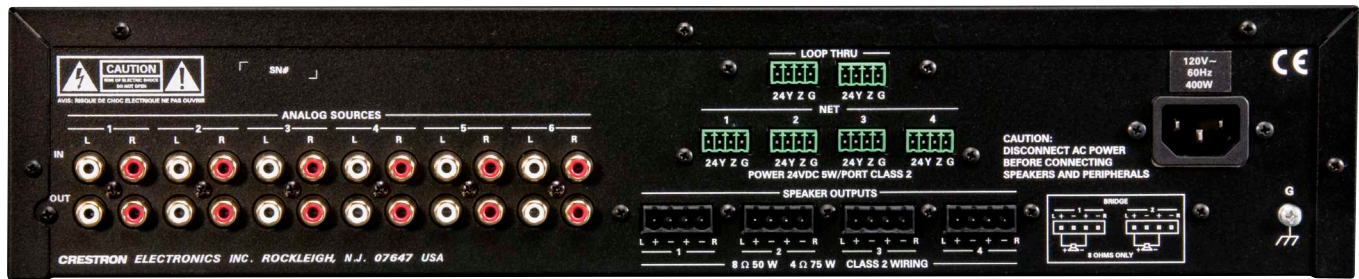
**Frequency Response:** 20 Hz to 20 kHz ±1 dB

**THD+N:** 0.8%, 20Hz to 20kHz

**S/N Ratio:** 103dB, 20Hz to 20kHz A-weighted

**Stereo Separation:** >70dB

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C2N-AMP-4X100 – Rear View

**Volume Control:** -80 to +20 dB  
**Mute:** -100dB  
**Bass Control:** ±12dB @ 100Hz, 2 dB steps  
**Treble Control:** ±12dB @ 10kHz, 2 dB steps  
**Loudness Compensation:** On/Off  
**Balance Control:** Left/right adjustable  
**Mono Summing:** Selectable

## Communications

**Cresnet:** Cresnet slave, provides Cresnet distribution and power for four room keypads

## Connectors

**ANALOG SOURCES L/R IN 1 – 6:** (12) RCA female comprising (6) unbalanced stereo line-level audio inputs

**ANALOG SOURCES L/R OUT 1 – 6:** (12) RCA female comprising (6) unbalanced stereo loop-thru outputs;  
Paralleled with inputs, connect to additional C2N-AMP-4X100 units or other audio preamplifier/receiver

**SPEAKER OUTPUTS L/R 1 – 4:** (4) 4-pin 5mm detachable terminal blocks;  
Power amplifier outputs;  
Wire Size: Terminals accept up to 14 AWG

**LOOP THRU:** (2) 4-pin 3.5mm detachable terminal blocks;  
Cresnet slave ports, paralleled;  
Connect to control system and additional C2N-AMP-4X100 units

**NET 1 – 4:** (4) 4-pin 3.5mm detachable terminal blocks;  
Cresnet distribution ports, paralleled;  
Connect to keypads and other Cresnet devices;  
Maximum Cresnet Power per Port: 5 Watts (210 mA @ 24 Volts DC)

**120V~60Hz 400W (US/North America):** (1) IEC 60320 C14 main power inlet; Mates with removable power cord (included)

**230V~50/60Hz 400W (International):** (1) IEC 60320 C14 main power inlet; Mates with removable power cord (not included)

**G:** 6-32 screw, chassis ground lug

## Controls & Indicators

**SOURCE 1 – 6:** (6) pushbuttons and green LEDs, select input source for routing

**ROOM 1 – 4:** (4) pushbuttons and green LEDs, select output zone for routing and volume adjustment

**VOL ▲/▼:** (2) pushbuttons, adjusts audio volume for selected output  
**FAULT:** (1) red LED, indicates a Temperature, DC, or Over Current fault condition

**NET:** (1) amber LED, indicates communication with Cresnet system  
**PWR:** (1) green LED, indicates AC line power supplied and turned on  
**On/Off:** (1) rocker switch, turns unit on and off

## Power Requirements

**Main Power (US/North America):** 400 Watts @ 120 Volts AC, 60 Hz

**Main Power (International):** 400 Watts @ 230 Volts AC, 50/60 Hz

**Cresnet Power Usage:** none

**Available Cresnet Power:** 5 Watts @ 24 Volts DC per each of four NET ports

## Environmental

**Temperature:** 41° to 122°F (5° to 50°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 173.5 BTU/hr

## Enclosure

**Chassis:** Metal with black finish, vented sides, fan-cooled

**Front Panel:** Plastic, black with polycarbonate label overlay

## Dimensions

**Height:** 3.60 in (92 mm)

**Width:** 16.89 in (429 mm)

**Depth:** 13.64 in (347 mm)

## Weight

20.0 lbs (9.0 kg)

# C2N-AMP-4X100 4 Room Audio System

## MODELS & ACCESSORIES

### Available Models

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**C2N-AMP-4X100:** 4 Room Audio System

**C2NI-AMP-4X100:** 4 Room Audio System - International Version, 230V

### Available Accessories

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**EXCITE\_IC:** Excite™ In-Ceiling Speakers

**EXCITE\_IW:** Excite™ In-Wall Speakers

**AIR-SR:** AIR™ Outdoor Surface Mount Speakers

**CBL-RCA2:** Crestron® Certified RCA Stereo Audio Interface Cables

**CRESNET-NP:** Cresnet® Control Cable, non-plenum

**CRESNET-P:** Cresnet® Control Cable, plenum

**CRESNET-HP-NP:** Cresnet® “High-Power” Control Cable, non-plenum

### Notes:

1. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed at [www.crestronpatents.com](http://www.crestronpatents.com).

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