

# Crestron CNX-PAD8A

## Professional Audio Distribution Processor

CRESTRON  
HOME



The CNX-PAD8A is an 8 source/8 room professional audio distribution processor. As part of a Crestron 2-Series control system, the CNX-PAD8A delivers audio from 8 sources into as many as 32 separate rooms and areas throughout the home. It's the perfect solution for whole-house audio systems, providing professional audio quality far above the level of consumer-grade equipment. You'll enjoy all the pristine highs and rich lows that serious audiophiles demand, in every room of the house.

Powered by Crestron's 2-Series control system, the CNX-PAD8A can be programmed to select from 8 audio sources, preamplify its signal, and then distribute it to as many as eight room amplifiers, each of which can be chosen according to its application. Preamp controls include volume, bass, treble, and balance.

Compensating gain adjustments at the inputs ensure that all sources are distributed at equal levels, with adjustments stored in non-volatile memory. And expanding the number of outputs is a snap with the optional bussing kit (CNX-ASBK), which allows up to four units to be linked together, for a total of 8 sources routed to 32 rooms.

Any Crestron user interface, from keypads to touchpanels, provide access and control to the PAD8A's functions. Setup is an easy task, thanks to Crestron's Windows®-based programming software.

Application Builder™ and Audio Distribution Wizard will quickly get you up to speed with basic control panel templates and codes, and find it easy to customize the control screen with images, icons, graphics and animations using Crestron's exclusive VisionTools™ Pro-e Windows®-based design and programming software.

The CNX-PAD8A is part of the complete Crestron Home™ line of fully integrated home control and automation solutions. Crestron Home features professional tabletop, in-wall and wireless touchpanels, keypads, control processors, audio amplifiers, tuners and switchers, plus easy-to-use software templates for system design and programming. With Crestron Home, technology is practical and easy to use.

- > 8 Stereo audio source inputs
- > 8 Stereo room outputs
- > Expandable to cover 32 rooms (8 sources)
- > Preamp controls include volume, bass, treble, loudness and balance for each room
- > Input level compensation adjustments
- > Gold-plated RCA connectors
- > Front panel LEDs
- > Rack-mountable
- > Program basics with Crestron's Application Builder
- > Fully customize with Crestron SIMPL Windows®

# Crestron CNX-PAD8A Professional Audio Distribution Processor



## Connectors

**SOURCE 1-8:** Eight sets of four RCA connectors; used to connect the independent audio sources to the CNX-PAD8A; Of each set, two of the connectors are used for the left and right audio channels and the remaining two connectors are parallel stereo loop-throughs

**ROOMS 1-8:** Eight pairs of RCA jack; output pre-amplified audio to corresponding room(s) amplifier(s); Each room output has left and right audio channels

**CRESNET:** Four-pin network connector used to connect the CNX-PAD8A to the Cresnet system;

## LED Indicators

**PWR:** Indicates power supplied to unit

**NET:** Indicates communication between the system and CNX-PAD8A

**SETUP:** For future use

**ROOMS 1-8:** Indicates an audio source signal is routed to corresponding room

## Power Requirements:

24VDC, .42A; network power

**Cresnet Power Factor:** 10W

## Preamp Specifications (per channel)

**Input Impedance:** 54K ohms

**Output Impedance:** 37.5 ohms

**Total Harmonic Distortion (THD):** <0.02%

**Maximum Input Level (Flat Mode):** 3.2Rms

**Maximum Output Level:** 2.5vrms

**Channel Separation:** >-92dB

**Signal to noise ratio:** >100dB

**Gain Range (Excluding Mute):** -80db to +20db (10db steps)

**Mute:** -92dB

**Relay Isolation:** From each output in the off mode, with power on delay

## Tone Specifications

**Flatness (8 to 60KHz flat mode):** +/- 0.2dB

**Bass Step Size (100Hz):** 2dB

**Treble Step Size (10KHz):** 2dB

## Dimensions

3.47"/8.81cm (H) x 16.91"/42.94cm (W) x

8.43"/21.41cm (D)

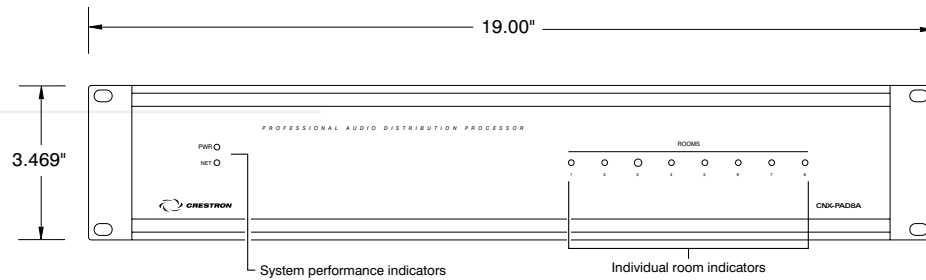
## Weight

5.28lbs./2.40kg

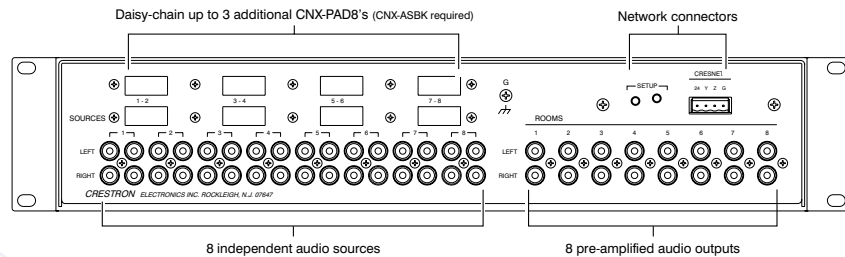
## Accessory

**CNX-ASBK:** (Audio Switcher Bussing Kit) Allows up to four units to be bussed together, for a total of 32 outputs

**CNX-PAD8A  
Front View**



**CNX-PAD8A  
Rear View**



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