

Crestron CNX-PAD8A Professional Audio Distribution Processor

CRESTRON
HOME



The CNX-PAD8A Audio Distribution Processor is a professional, high-end component of the Crestron Home™ system. As part of a Crestron 2-Series or STS control system, the 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 or STS control systems, the 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 insure 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 keypad to touch-panel, provides access and control to the PAD8A's functions. Setup is an easy task thanks to Crestron's Windows®-based programming software.

You'll get up to speed quickly with basic control panel templates and codes using Crestron's Application Builder™ and Audio Distribution Wizard. You'll 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 in-wall and wireless touchpanels, keypads, control processors, audio amplifiers, tuners and switchers, plus easy-to-use software templates for system design and programming. Crestron Home makes home technology practical and easy to use.

- > Powered by Crestron's 2-Series control systems
- > Access and control provided by any Crestron user interface – basic keypads to touchpanels
- > Expandable to cover 32 rooms
- > Preamp controls include volume, bass, treble, and balance for each room
- > Gold-plated RCA connectors
- > Front panel LEDs
- > Rack-mountable
- > Program basics with Crestron's Application Builder
- > Fully customize with Crestron SIMPL Windows

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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)

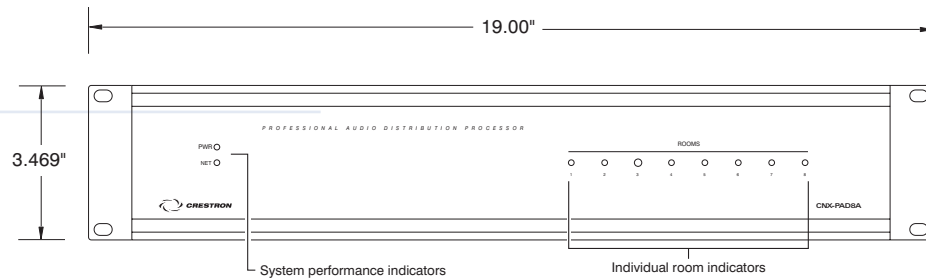
Weight

5.28lbs./2.40kg

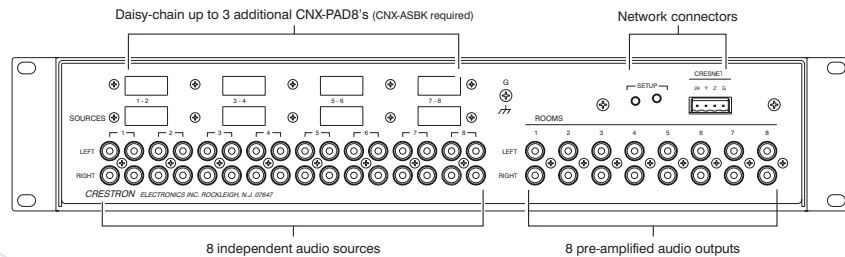
Accessory

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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