CNX-PAD8A

Audio Distribution Processor

Among the wave of multi-room audio products on the market, Crestron audio distribution processors are set apart for their unmatched flexibility and no-compromise performance. Features like independent software-driven preamp-style controls on every room output enable the most demanding user to tailor the listening experience to individual taste in every room. Any audio parameter or device function can be controlled using keypads, handheld remotes, touchpanels, or computers, putting just the right amount of control right where it's needed.

8 Stereo Sources x Up to 32 Rooms
The CNX-PAD8A is a high performance 8 x 8 stereo audio switcher and preamplifier, providing distribution of 8 stereo audio sources to 8 room outputs. Up to four CNX-PAD8A's may be combined to handle as many as 32 rooms*. Every room output includes independent control over volume, bass, treble, balance, loudness, and mute. Mono summing is also built in to facilitate distribution to non-stereo zones.

Advanced Features
Additional features make the CNX-PAD8A a truly refined audio component. Programmable input gain compensation assures a consistent level when switching between input sources. Scaling factor settings allow minimum and maximum levels to be defined for each room output. And, protective relays on each output prevent "thumps" during power-up and provide total attenuation when any room is turned off.

A Complete System Solution
Together with any 2-Series control system, Crestron's audio distribution processors provide an extensively customizable audio control solution. For the ultimate in audio performance, just add a **CNAMPX-series** multi-room amplifier to form a total, intelligent audio head-end. Crestron keypads and touchpanels complete the system, putting essential control access within arm's reach throughout the home, office, restaurant, etc.

SystemBuilder™ Programming
Crestron's **SystemBuilder™** software can make audio distribution programming a quick and simple task, providing easy drag-and-drop system configuration with extensive support for interfacing to hundreds of AV devices through Crestron's vast database of third-party codes and drivers. Hi-tech or bare necessity, for all tastes and technical abilities, SystemBuilder allows the discerning AV system designer to deliver a tailor-made audio distribution solution every time.

> High-performance stereo audio switcher and preamp

> Distributes 8 stereo audio sources to 8 line outputs

> Combinable for up to 32 rooms

> Volume, bass, treble, balance, loudness, and mute controls

> Programmable input gain compensation

> Selectable mono summing on each output

> Protective output mute relays

> Fully configurable in SystemBuilder software

> Controllable via Cresnet communications

SPECIFICATIONS

Audio

Typical of 8 Stereo Room Outputs:
Controls: Volume, Balance, Bass, Treble, Loudness, Mute, Mono, Input Compensation
Volume Gain Range: -80dB to +20dB, 1 dB steps
Mute: -92dB electronic, -120dB relay (room enable off)
Input Compensation: ±10dB
Bass Gain Range: ±12dB @ 100Hz, 2 dB steps
Treble Gain Range: ±12dB @ 10kHz, 2 dB steps
Frequency Response: 10Hz to 20kHz ±0.2dB
S/N Ratio: >100dB
THD+N: <0.02%
Stereo Separation: >90dB

Connectors

SOURCES 1 - 8: (32) RCA female comprising (8) unbalanced stereo line-level audio inputs, and (8) parallel loop-thrus;
Maximum Input Level: 3.2 Vrms (flat);
Input Impedance: 54k ohms;
Connect to outputs of source devices, with loop-thru to additional CNX-PAD8A*
ROOMS 1 - 8: (16) RCA female comprising (8) unbalanced stereo line-level audio outputs;
Maximum Output Level: 2.5 Vrms;
Output Impedance: 37.5 ohms;
Connect to inputs of CNAMPX-series amplifier
NET: (1) 4-pin 5mm detachable terminal block
Cresnet slave port, connects to Cresnet control network
Ground: (1) 6-32 screw, chassis ground lug

Buttons & LED Indicators

PWR: (1) green LED, indicates 24 Volts DC power supplied from Cresnet control network
NET: (1) yellow LED, indicates communication with Cresnet system
ROOMS 1 - 8: (8) red LED's, indicate if room outputs are enabled
SETUP (rear): (1) miniature pushbutton and (1) red LED, used for touch-settable ID (TSID)

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Power Requirements

Cresnet Power Usage: 10 Watts (0.42 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 122°F (5° to 50°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, 2U 19-inch rack-mountable (rack ears included)

Dimensions

Height: 3.56 in (9.04 cm);
3.47 (8.81 cm) without feet
Width: 17.03 in (43.26 cm);
19.0 in (48.26 cm) with ears
Depth: 8.67 in (22.02 cm)

Weight

5.16 lbs (2.34 kg)
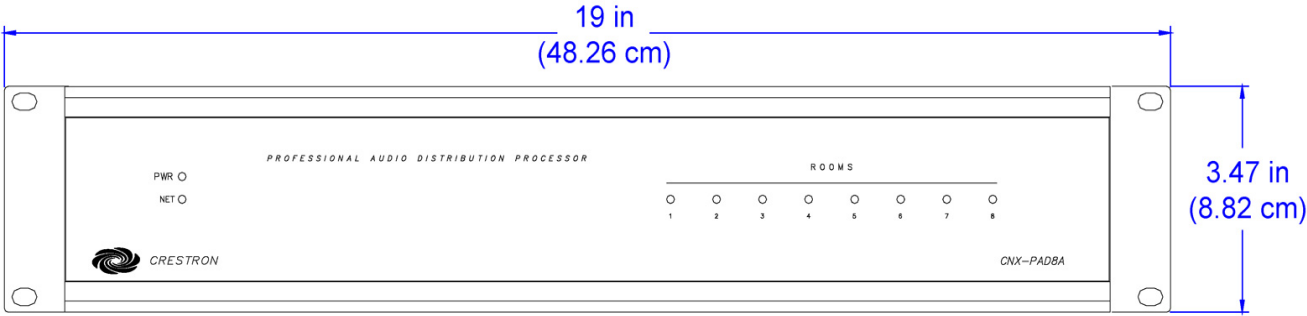
AVAILABLE ACCESSORIES

CNX-ASBK: Bussing Kit for CNX-PAD8A
CNXBRMO: Bridging Module
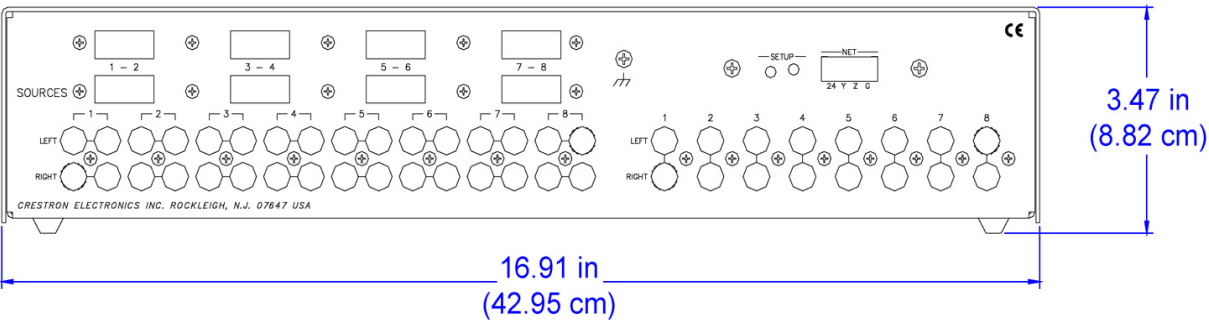**CNAMPX-16X60:** 16-Channel Multi-Room Amplifier
CNAMPX-12X60: 12-Channel Multi-Room Amplifier

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CRESTRON

Front

19 in
(48.26 cm)

3.47 in
(8.82 cm)

PROFESSIONAL AUDIO DISTRIBUTION PROCESSOR

PWR

NET

ROOMS
1 2 3 4 5 6 7 8

CRESTRON

CNX–PAD8A

Back

3.47 in
(8.82 cm)

CE

SOURCES
1 – 2   3 – 4   5 – 6   7 – 8

SETUP   NET
24 Y Z G

1 2 3 4 5 6 7 8

LEFT
RIGHT

LEFT   1 2 3 4 5 6 7 8
RIGHT

CRESTRON ELECTRONICS INC. ROCKLEIGH, N.J. 07647 USA

16.91 in
(42.95 cm)

Top

8.43 in
(21.41 cm)

17.03 in
(43.24 cm)

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