

# Crestron CNX-PBAR4

## Professional Balanced Audio Receiver

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HOME



The Crestron CNX-PBAR4 is a multi-room, multi-source audio receiver that allows local room audio to be distributed throughout the Crestron Home. It receives balanced audio via Cat5 from Crestron room solution boxes such as the CNX-RMCLV, C2N-DAP8 or C2N-DAP8RC, and routes the audio to Crestron audio distribution processors such as the CNX-BIPAD8, for distribution to any room in the house.

**Bi-Directional Audio Routing**—The CNX-PBAR4 provides four buffered Cat5 inputs that send and receive balanced audio from up to four room solution boxes, and four Cat5 outputs that pass the audio through for connection to audio distribution processors. The pass-through feature allows seamless, bi-directional routing of Cat5 audio between rooms and head-end audio distribution components.

**Cat5-to-RCA Conversion**—For even greater flexibility, the CNX-PBAR4 converts balanced audio to unbalanced single-ended RCA. Four RCA stereo output pairs break out the Cat5 audio received from each room for connection to the source inputs on the CNX-BIPAD8 or CNX-PAD8 and distribution to other room solution boxes or local room amplifiers.

**Easy Installation**—The CNX-PBAR4 includes a PW-2410RU power supply and requires no connection to the Cresnet network. With

transparent operation and seamless integration with Crestron audio distribution processors, amplifiers and room solution boxes, the CNX-PBAR4 is ideal for home theater, surround sound and whole-house audio applications, with control via Crestron touchpanels or keypads from anywhere in the home.

- > *Allows local room audio to be distributed throughout the Crestron Home*
- > *Converts balanced Cat5 audio signals to unbalanced single-ended RCA*
- > *Four bi-directional, buffered Cat5 audio inputs send and receive balanced audio to and from local room solution boxes*
- > *Four bi-directional Cat5 audio outputs pass through the send/receive local room audio to audio distribution processors*
- > *Four left/right RCA output pairs send line level audio to additional room solution boxes or amplifiers*
- > *Transparent operation ideal for use with Crestron processors, amplifiers and room solution boxes in home theater, surround sound and whole-house audio applications*
- > *Power supply included*

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# Crestron CNX-PBAR4 Professional Balanced Audio Receiver

## Connectors

**Audio IN:** (4) Shielded 8-pin RJ45  
Balanced, buffered audio input on pins 1, 2, 3 and 6  
Balanced audio output on pins 4, 5, 7 and 8

**Audio OUT:** (4) Shielded 8-pin RJ45  
Balanced audio output on pins 1, 2, 3 and 6 (pass-through from Audio IN to audio distribution processor)  
Balanced audio input on pins 4, 5, 7 and 8

**Audio Left/Right OUT:** (4) Gold-plated RCA  
Audio IN Cat5 balanced audio conversion to unbalanced line-level RCA

**Power:** 24VDC power jack (power supply included)

## Audio

**Impedance (Audio IN and Audio OUT):** 600 ohms

**Impedance (RCA OUT):** 100 ohms

**Signal level (Audio IN):** 4V RMS maximum differential

**Voltage level (Audio OUT):** 4V RMS maximum differential

**Voltage level (RCA OUT):** 2V RMS maximum differential

**THD:** <0.005%

**SNR:** >100dB

**Common mode rejection:** >90dB

**Frequency response:** 20Hz - 20kHz +/- 0.2dB

**Maximum cable length:** 500 feet

## LED Indicator

**PWR:** Power LED

## Power Requirements

24W (1A @ 24VDC)

PW-2410 power supply included

## Environmental

**Operating temperature:** 41° to 113° F (5° to 45° C)

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

## Dimensions

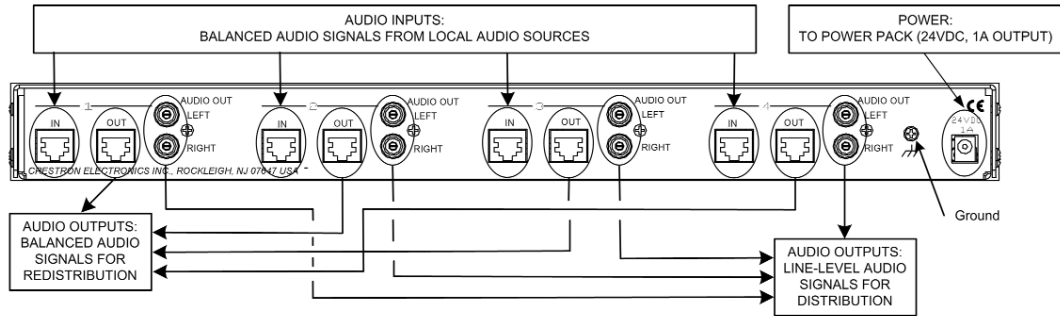
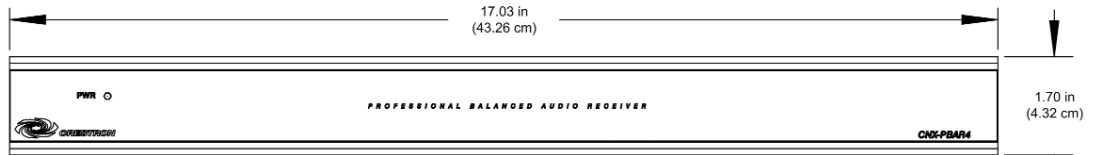
**Height:** 1.7 in (4.32 cm)

**Width:** 19.0 in (48.26 cm) (48.26 cm) with ears; 17.03 in (43.24 cm) without ears

**Depth:** 6.67 in (16.94 cm)

## Weight

2.88 lb (1.29 kg)



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