

Crestron CNAMPX-2x60 Intelligent Room Amplifier

CRESTRON
HOME



The CNAMPX-2x60 professional audio amplifier delivers 2 channels at 60 watts per channel into 8 ohms, or 90 watts per channel into 4 ohms. In addition, the CNAMPX-2x60 can deliver 200 watts into 8 ohms bridged.

Like all Crestron CNAMPX intelligent amps, it runs over the control network (Cresnet®) and reports its internal temperature for the protection of the entire audio system. Designed for professional quality and ultimate reliability, the CNAMPX-2x60 is an integral component of the Crestron Home® audio distribution solution and ideal for use with the crestron CNXRMC or CNXRMCCLV room boxes for audio distribution via CAT5.

Crestron's commitment to quality audio has resulted in components that are the perfect solution for home theater, surround sound and whole-house audio. You'll enjoy all the crystal clear highs and rich lows that serious audiophiles demand. Our processors, tuners, and accessories may also be linked to create systems for even the largest homes, with control via touchpanels, keypads or wireless panels from any room of the house.

The CNAMPX-2x60 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. Our control and automation solutions are perfect for central-based

systems as well as distributed and hybrid systems, either retro-fits or new construction. Crestron Home makes home technology practical and easy to use.

By offering seamless integration of your whole-house audio and video, home theater, lighting, climate control, security, communications and the Internet, Crestron Home provides the most advanced, complete and easy-to-use technology solutions available for your residence.

- > 2 channels of amplification
- > 60 Watts per channel into 8 ohms
- > 90 Watts per channel into 4 ohms
- > 200 Watts per channel into 8 ohms bridged
- > Ideal for a single room system
- > Remote System Power On/Off
- > Remote temperature monitoring
- > Runs on Cresnet Bus up to 5000' from system
- > Engineered and designed for professional quality and ultimate reliability

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Physical Description

Dimensions: 4.18" (10.62 cm) H x 8.48" (21.54 cm) W x D 14.55" (48.26 cm)

Weight: 20 lb (9 kg)

Rack Space Required: 2U

Leading Specifications

Channels: 2 (1 stereo pair)

Input Impedance: 28K ohms

Power Bandwidth -3dB: 3Hz to 50KHz

Frequency Response @ 1W 8ohm: Flat +0, -0.1dB from 20Hz to 20KHz

8 ohm load: 60W/channel. All channels driven, 20Hz to 20KHz, at rated THD

4 ohm load: 90W/channel

8 ohm load Bridged: 200W/channel

Total Harmonic Distortion (THD) @ full power: 0.03% or less

SMPTE I.M. Distortion: 0.03% or less

Signal to Noise Ratio (S/N) "A" Weighted: >110dB

Gain: 28dB

Damping Factor: >400

Channel Separation over full bandwidth: >100dB

Environmental Temperature Range: 41-104°F / 5-40°C

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

Power

Input Requirements (domestic):

120VAC +/-10%, 50/60Hz,
960 watts

Input Requirements (international):

230VAC +/-10%, 50/60Hz,
960 watts

Cresnet Power Requirements:

24VDC @ 0.125A, 3W

Rear Indicators

PWR Green LED: illuminates when 24VDC via the Cresnet connector is supplied to the CNAMPX-2X60

NET Yellow LED: indicates that the SIMPL program currently loaded in the control system has a network device defined at the same NET ID code as the CNAMPX-2x60.

OVERRIDE Button and Indicator: OVERRIDE button is used to activate AC power and activate all room outputs. Buttons functions only when 24VDC is applied to the NET connector. Red LED illuminates when the OVERRIDE is activated

Rear Ports

NET: The 4-pin network connector is used to connect the CNAMPX-2X60 to the Cresnet system

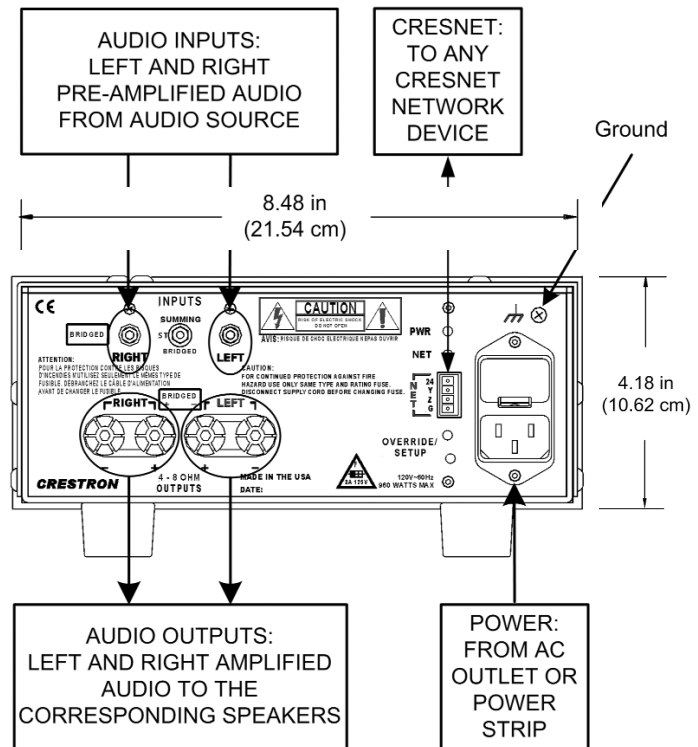
Operation Mode: 3-position switch: stereo, mono (sum L+R) and bridged

Power Connector and Fuse Compartment: The power connector provides AC operating power to the CNAMPX-2X60 via the supplied power cord. The fuse electrically protects the internal circuitry from power overloads and is located (a spare fuse is included) within the compartment above the power connector

ROOM INPUTS: 2 single-ended line level inputs with gold-plated RCA jacks

ROOM OUTPUTS: 2 speaker dual-binding posts output the left and right amplified audio to the corresponding speakers.

The audio positive post has a RED screw-on cap and the audio negative post has a BLACK screw-on cap. Each post is gold-plated and accepts bare wire, banana plugs, or spade lugs



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