

# Crestron CNAMPX-7x200 Surround Sound Amplifier

CRESTRON  
HOME



The CNAMPX-7x200 is a high-powered digital surround sound amplifier with 7 channels at 200 watts per channel into 8 ohms, or 300 watts per channel into 4 ohms.

Designed to be used with a powered subwoofer, it's ideal for home theaters or large rooms, to provide the authentic cinema experience for everything from action movies to classic films. 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-7x200 is an integral component of the Crestron Home™ audio distribution solution. It is ideal for use with a CNX-DAP8 or a CNX-DAP8RC surround sound processor.

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 as big as necessary for even the largest homes, with control via touchpanels, keypads or wireless panels from any room of the house.

The CNAMPX-7x200 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 retrofits 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.

- > 7-channel x 200 watts digital surround sound amplifier into 8 ohms
- > 7-channel x 300 watts digital surround sound amplifier into 4 ohms
- > Ideal for use with a powered subwoofer
- > Provides an authentic cinema experience in home theaters or large rooms
- > 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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# Crestron CNAMPX-7x200 Surround Sound Amplifier

## Physical Description

**Dimensions:** 7.7" (19.56cm)H x 19." (48.26cm) W (with mounting ears) x 18.88" (47.95cm)D

**Weight:** 90.20 lb (41.00 kg)

**Rack Space Required:** 4U

## Leading Specifications

**Channels:** 7

**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:** 200W/channel. All channels driven, 20Hz to 20KHz, at rated THD

**4 ohm load:** 300W/channel

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

**IHF I.M. Distortion:** 0.01% or less

**SMPTE I.M. Distortion:** 0.03% or less

**Dynamic Headroom:** 2dB or more

**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%, 60Hz, 2400 Watts  
(Requires dedicated 20 Amp circuit and receptacle)

### Input Requirements (international):

230VAC +/-10%, 50Hz, 2400 Watts

**Cresnet Power Requirements:** 24VDC @ .125A, 3 Watts

## Rear Indicators

**PWR:** Green LED is illuminated when 24VDC via the Cresnet connector is supplied to the CNAMPX-7x200

**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-7x200

**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-7x200 to the Cresnet system

**Power Connector and circuit:** The power connector provides AC operating power to the CNAMPX-7x200 via the supplied power cord. The breaker electrically protects the internal circuitry from power overloads

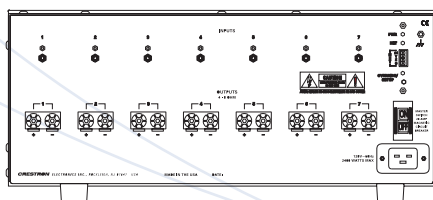
**AUDIO INPUTS:** 7 single-ended line level inputs utilize gold-plated RCA jacks

**SPEAKER OUTPUTS:** The 7 speaker output terminals are multi-way binding post type. Each post is gold-plated and accepts bare wire, banana plugs, or spade lugs

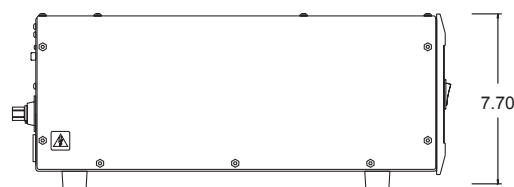
CNAMPX-7x200 Front View



CNAMPX-7x200 Rear View



CNAMPX-7x200 Side View



CNAMPX-7x200 Top View

