

## Data Sheet: **CAS44** Multiroom Audio Controller-Amplifier



The Russound CAS44 Multiroom Audio Controller-Amplifier distributes four stereo sources to four zones. Two controllers can be linked together to support a total of eight zones.

Each zone has its own built-in stereo amplifier that provides 20 watts RMS per channel. The system also provides independent control of bass, treble, balance, loudness and volume from the keypad in each zone.

For zone control, the CAS44 system offers a choice of two keypads. Using the optional SA-ZX3 Keypad Splitter allows multiple keypads in each zone.

For ease of installation and simplicity of use, the CAS44 controller does not require any programming. All source commands reside in the programmable CAS-RC System Remote Control.

The CAS44 system passes IR commands from the remote control through the keypads to the sources. Two common IR output ports allow connection of infrared emitters or an IR connecting block for device control.

To provide easy integration with paging systems, home automation systems and other devices, the CAS44 has a muting trigger input and system trigger output, as well as an RS-232 port with a documented serial protocol. This port can also be used to update the system firmware.

The CAS44 system keypads connect to the controller with CAT-5 or CAT-5e cable. The speakers connect to the built-in amplifiers with standard speaker cable.

Rack ears are included with the CAS44 controller for 2U rack mounting.



## Specifications

- Audio source inputs: 4
- Zones per controller: 4
- Zones per system: 8 maximum
- Keypad ports: RJ45, T568A standard
- Interface port: DB9 for RS-232 serial data
- Source input connectors: RCA left and right
- Source input impedance: 50 kilohms
- Source input level: 2.2 Vrms max
- Amplifier channels: 8 (2 per zone)
- Power output: 20 watts per channel RMS into 8 ohms
- Frequency response: 20 Hz to 20 kHz +0/-2.5 dB
- Distortion: <0.10% THD+N from 20 Hz to 20 kHz
- Signal-to-noise ratio: >90 dB A-weighted, >88 dB unweighted
- Speaker impedance: 8 ohms nominal, 6 ohms minimum
- Speaker connectors: Removable 4-pole color-coded snap connectors
- Mute trigger input: 12 VDC
- System trigger output: 12 VDC, 100 mA maximum
- Trigger connectors: 1/8-inch TS, tip positive
- Power rating: 100-120 VAC 3 A or 220-240 VAC 1.25 A, 50-60 Hz
- Fuse rating: F3.0A H 250V USA and Canada TF1.25A H 250V Europe
- Dimensions: 17" W x 3.9" H x 11.5" D (43 x 9.9 x 29.2 cm)
- Weight: 17 lb 6.5 oz (7.9 kg)

## Included Parts

- Rack-mount ears
- Power cord

## Accessories

- CAS-RC System Remote Control
- SA-ZX3 Keypad Splitter

## System Keypads

Available separately or with controller in system kit



KP4 System Keypad



KPL Advanced System Keypad



CAS-RC Remote Control



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