

Data Sheet: **CAA66** Multiroom Audio Controller-Amplifier



The Russound CAA66 Multiroom Controller-Amplifier distributes six stereo audio sources to six zones. For larger installations, up to six CAA66 controllers can be linked together to accommodate a total of 36 zones.

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

Switchable line outputs on zones 1 and 2 provide either fixed- or variable-level signals to external amplifiers or local audio systems. This is useful for powering multiple speaker pairs, extending zones to additional rooms, or providing more power to outdoor zones.

For zone and source control, the CAA66 system offers a choice of two zone keypads plus an optional numeric source control keypad. The controller supports multiple keypads in each zone when using the optional SA-ZX3 Keypad Splitter.

The CAA66 system controls sources through infrared commands. A built-in library provides IR codes for most current audio and video components. The controller also has IR learning capability.

The controller provides both source-specific and common IR output ports for device control. It can also link directly to Russound RNET® source components for control from the keypads; however, it does not support data feedback from the sources.

The CAA66 system features simplified programming, which resides entirely in the controller. The SRC1 System Remote Control accesses the program settings in the controller and thus needs no separate programming.

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

The CAA66 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 CAA66 controller for 2U rack mounting.



Specifications

- Audio source inputs: 6
- Zones per controller: 6
- Zones per system: 36 maximum
- Keypad ports: RJ45, T568A standard
- Interface port: DB9 for RS-232 serial data
- Link ports: RJ45
- Source input connectors: RCA left and right
- Source input impedance: 50 kilohms
- Source input level: 2.2 Vrms max
- Amplifier channels: 12 (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
- Audio line outputs: Switchable fixed/variable, 2.2 Vrms (zones 1 and 2 only)
- Line output connectors: RCA left and right
- 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 12.5 oz (8 kg)

System Keypads



KP6 System Keypad



KPL Advanced System Keypad



KPSC Source Keypad (optional)

KP6 and KPL available separately or with controller in system kit

Included Parts

- Rack-mount ears
- Power cord

Accessories

- SRC1 System Remote Control
- SA-ZX3 Keypad Splitter



SRC1 Remote Control



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