

# C-Series Multizone Kit KT1-C3

## Product Brief



**Multizone Controller Amplifier**  
MCA-C3



**Multiline Display Keypad**  
MDK-C5



**Remote Control**  
SRC-C5

Russound's C3 Multizone kit is the latest addition to the powerful C-Series line of multiroom controller amplifiers. Flexible, expandable and intuitive, the KT1-C3 Multizone kit includes the new MCA-C3 Multizone Controller Amplifier, six MDK-C5 Multiline Display Keypads and a SRC-C5 System Remote Control.

The MCA-C3 provides six zones of distributed stereo audio from any of six sources, and up to five additional controllers allow for scalability to 36 zones. A variety of input options have been engineered into the MCA-C3 controller. An internal AM/FM tuner with RDS (Radio Data System) support is optional as source one. An RNET<sup>®</sup> link using CAT-5e allows for control of a Russound VM1 Video Matrix, or metadata transmission and control from Russound RNET Smart Source components, including the SMS3 Smart Media Server, iBridge<sup>®</sup> Dock and Bay, and ST2 Tuners with AM/FM and/or satellite radio.

The MCA-C3 features amplifiers providing 20 watts of power per channel, per zone, and zones 1 and 2 are equipped with outputs selectable for fixed or variable line-level for outboard amplification or subzone use. The MCA-C3 also includes a front mounted USB port for programming ease, a rear RS-232 port for integration with home automation systems, and a rear panel Ethernet port for programming via a network connected PC, or IP control from third party devices. Third party control of the MCA-C3 is supported by RIO Text and

Russound RS-232 hex protocols.

Custom audio settings, Party Mode, Do Not Disturb, source and zone linking, and All On/Off participation are standard features. Incorporated in the MCA-C3 is a system clock with an alarm and sleep timer for each zone, Home Theater trigger, routed and common IR outputs, and six 12VDC trigger outputs. Source six can serve as a paging input for connection to a third party paging or phone system.

Control of the MCA-C3 is handled via the SRC-C5 System Remote Control or the MDK-C5 Multiline Display Keypad. The SRC-C5 provides simplified programming and control via intelligent IR learning capabilities. The MDK-C5 is a wall-mounted, standard fit, double-gang keypad for C-Series Multizone Controller Amplifiers. The keypad's grayscale LCD screen displays real-time information including playlist, channel, artist, song title, genre and more. Responsive hard buttons offer access to virtually every system feature and source control function. The buttons and screen brightness are adjustable and can be dimmed at the owner's discretion. For alternative control, an UNO-TS2 touchscreen can be connected to any two controller zones.

The system programming is accomplished with your PC and SCS-C5 configuration software, a free download from the Doc Center at [www.russound.com](http://www.russound.com).

| Features           | Benefits   |
|--------------------|--|
| <b>Expandable</b>  | Six input sources distributed to six zones, scalable to 36 zones with additional controllers                               |
| <b>Powerful</b>    | 20 watts of amplification per channel, per zone  |
| <b>Easy</b>        | Responsive back-lit buttons provide access to and navigation of menus, audio and source control                            |
| <b>Informative</b> | Keypad displays RDS information from the tuner and RNET feedback and metadata from the controller amplifier in "real-time" |

# Specifications



## C-Series System Kit KT1-C3

**Kit contents:** (1) MCA-C3 Controller, (6) 854.1 IR Emitters, (6) MDK-C5 Keypads\*, (1) pair rack ears, (1) SRC-C5 Remote Control, (1) AM Antenna, (1) FM antenna

\*MDK-C5 keypads come with white and almond color conversions



## Multiline Display Keypad\* MDK-C5

**Power Requirements:** 275mA @ 12VDC MAX

**CAT-5e Connection:** One RJ-45 (T568A standard)

**Display:** 70 mm W x 35 mm H  
high resolution LCD

**Controls:** Eleven backlit hard buttons

**Wall Surface Dimensions:** 4.5"W x 4.5"H  
(11.43 x 11.43 cm)

**Inside Box Dimensions:** 3.5"W x 2.75"H x 1.5"D  
(8.9 x 6.9 x 3.8 cm)

**Weight:** 1 lbs. (0.45 kg)

\* Plasma friendly option is available (MDK-C5P)

## Multizone Controller MCA-C3

**Dimensions:** 17"W x 3.5"H x 17.2"D  
(43.2 x 9 x 43.6 cm)

**Weight:** 28.8 lbs. (13.1 kg)

**Power Supply:** 120 or 240 VAC

**Fuse Rating:** 100-120V/T3.15A 250V US and Canada  
220-240V/T1.25A 250V Europe

**Power Consumption:** 400 watts maximum

**Frequency Response:** 20Hz-20kHz +/- 1 dB at 1W output into 8 ohms

**Watts per channel:** 20W RMS into 8 ohms

**Total Harmonic Distortion:** <0.10%

**Signal to Noise Ratio:** 93 dB unweighted, 96 dB A-weighted

**Audio Source Inputs:** 6 (including internal tuner)

**Audio Zone Outputs:** 6 Speaker Level (Zones 1-6)  
(2 Line Level fixed or variable)

**Trigger Outputs:** 6 12VDC 100mA, 1 Home Theater

**Trigger Inputs:** 1 Home Theater 12VDC max  
1 Page 12VDC max

**Speaker connection:** 6 detachable 4 pole connectors

**Keypad ports:** 6 RJ45 T568A standard

**IR Outputs:** 6 routed, 1 common

**Communication ports:** Front- 1 USB 2.0/1.1  
Rear- 1 Serial RS232, 19.2 kHz baud rate  
1 Ethernet RJ45, 10/100 Base T  
2 RJ45 RNET Links In/Out

**Frequency Range:** AM 530 - 1710 kHz  
FM 87.7 - 107.9 MHz

**Antenna impedance AM:** 300 Ohm balanced

**Impedance FM:** 75 Ohm unbalanced

**Sensitivity:** AM: @20 dB S/N 55 dBu  
FM: @30 dB S/N 6 dB max 12 dBu

**Image rejection:** AM: 33 dB  
FM: 80 dB

**S/N ratio:** AM: 45 dB  
FM: 60 dB



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