

# Strength<sup>th</sup>

*The power of integration.*

Russound products work in perfect harmony, from components to systems, so it's easy to make the right choice.

All you need to know is Russound.



## CAV6.6 Multiroom A/V Controller/Amplifier

Award-winning 6-zone, 6-source powerhouse with advanced installation features and RNET bi-directional control.

## UNO-S2 System Keypad

Award-winning keypad integrates seamlessly with all RNET components.



Learn about all Russound products at [www.russound.com](http://www.russound.com)

**RNET**<sup>®</sup>

RNET is a two-way technology that allows Russound components to communicate with each other.

Founded in 1967, Russound is a global leader in A/V solutions that set the standard for performance and ease of use. ©2005 Russound, Inc.

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**Russound**<sup>®</sup>



# Let the music find \*

Anywhere in your home, indoors or out, there can be music. Or sports. Or news. A Russound multiroom audio system is affordable, easy to use and easy to DO.

It's the kind of home improvement that brings you pleasure every day.

All you need to know is Russound.



*Russound has a multiroom system for every need and budget, each operated by easy-to-use keypads and touchscreens.*

**iPod**  
friendly



Russound offers a variety of iPod-friendly products. Learn more at [www.russound.com](http://www.russound.com)

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iPod is a registered trademark of Apple Computer, Inc.

member



CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION

**Russound**

## Data Sheet

# A-BUS® Multizone Controller Kit, A-C560

A-C68 Multizone Controller, A-K5L LCD Keypad, and A-SRC1 Remote Control



The A-C68 Multizone Controller caters to end users who want a versatile multiroom audio system with the ability to control the system from any keypad throughout the house. Six source inputs, simplified programming, IR remote control and user adjustable sound controls make listening to music throughout the home easier than ever.

This innovative product features a rack mountable form (1U) with support for six sources and eight zones. It features six buffered, fixed level audio source loop outputs. This source loop configuration allows the A-C68 to pass source signals to another component, such as a home theater receiver or to another A-C68 for sharing sources in a multiple controller system. The system is scalable to 48 zones by connecting six A-C68 units, to make whole-house audio available to larger homes and buildings. Your system can grow as your needs grow.

The on-board IR library provides control codes for more than a thousand source components, and includes intelligent IR learning capabilities.

System setup and source programming is accomplished through an easy process using the system remote control (A-SRC1) and the front panel programming center. The controller includes an RS232 connection behind the front panel for future use.

The A-C68 Multizone Controller employs the A-SRC1 remote control and elegant keypads (A-K5L and optional A-KSC) for home audio one-touch control. Both have soft-touch control buttons and a choice of amber or green backlighting. From each A-K5L keypad, the user can adjust bass, treble, balance and volume.

The new A-K5L LCD keypad provides more robust digital amplification and a LCD panel to view selected source, volume, bass, treble, and balance settings. Each zone has muting and paging options, as well as local source input and Party Mode.

To expand functionality, the optional A-KSC keypad can be added to the A-K5L to add source and numeric control. The sleep timer function lets the user listen to their music selection for up to 60 minutes before automatically shutting off the zone.



A-BUS® Multizone Controller A-C68



A-K5L LCD Keypad with optional A-KSC Source Control



A-SRC1 Remote Control



845.1 IR Micro Emitter

## Specifications

### A-C68 Controller

**Dimensions:** 16.75"W x 2.125"H x 10.5"D  
(42.5 x 5.4 x 26.7 cm)

**Weight:** 12.7 lbs. (5.8 kg)

**Power Supply:** 100 - 240VAC 50-60Hz

**Fuse Rating:** 100V input; T3.0A US and Canada  
240V input; T1.25A Europe

**Frequency Response:** 20Hz-20kHz +/- 0.1dB

**Total Harmonic Distortion:** <0.3%

**Signal to Noise Ratio:** 105dB A-weighted / 101dB unweighted

**Audio Source Inputs:** 6

**Input Impedance:** 60 Kohms

**Max Source Audio Input:** 3.5 Vrms

**Audio Zones/Keypad Ports:** 8 RJ45 T568A standard

**Trigger Output:** 12VDC 100mA Max

**Trigger Input:** 12VDC

### 845.1 IR Micro Emitter

**Dimensions:** .5"W x .375"H x .25"D  
(12.7 x 9.6 x 6.4 mm)

**Cable Length:** 77" (195.6 cm)

### A-K5L Keypad

**Output Impedance:** 8 ohms/channel (1 pair speakers)

**Input Impedance:** 30 Kohms

**Power Requirements:** +24VDC 1050mA peak

**CAT-5 Connections:** RJ45

**Dimensions (in-wall):** 1.75"W x 2.875"H x 1.75"D  
(4.5 x 7.3 x 4.5 cm)

**Weight:** 5.5 oz. (160g)

### A-KSC Keypad Source Control (optional)

**Dimensions:** 1.85"W x 2.7"H x 1"D  
(4.7 x 6.9 x 2.5 cm)

**Keypad Port:** 14-pin connector for A-K5L keypad

### A-SRC1 Remote Control

**Dimensions:** 2"W x 8.25"H (5 x 21 cm)

**Batteries:** 2 AA

**Number Sources Controlled:** 6 A-BUS + 1 Local



Conforms to  
UL60065  
Certified to  
CAN/CSA  
IEC60065



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www.russound.com

Since 1967, innovation, quality and reliability have been the core of the Russound product tradition. Today, Russound offers everything for enjoying multiroom audio-video in your home. All audio-video distributed solutions are built to high standards and designed with the unique consideration of making products that are a pleasure to live with and enjoy.

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A-BUS is a registered trademark of LeisureTech Electronics Pty Ltd Australia. This product may be covered by one or more of the following patents: US #7,181,023, #6,389,13; EP #1004222, AU #739808, NZ #502982, Mexico #241196, Canada #CA2301062

# Add a little music to your view



Perfect for backyard entertaining and fun in the sun, Russound OutBack speakers withstand the worst weather so you can enjoy the best. Choose from bracket-mount models in white or black, or our Rock models in Fieldstone, Gray Granite or White Sandstone designed to blend into your landscape. For the dealer nearest you, call 800-638-8055 or visit [www.russound.com](http://www.russound.com).

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# Ratio™ High-Efficiency Speakers

## Product Brief



**RC61**  
6 1/2" In-ceiling



**RC61S**  
6 1/2" In-ceiling Single  
Point Stereo



**RC81**  
8" In-ceiling



**RW691**  
6 x 9" In-wall

The Ratio™ High-Efficiency speakers are designed to deliver full-fidelity audio from systems using low-powered electronics. The Ratio speakers are the first speakers of their kind designed for high-sensitivity and responsiveness from low-wattage amplifiers. In addition to high-efficiency output, the Ratio line of speakers also features spring-clip locking retainers for faster, easier installation.

The new Ratio lineup consists of four models designed for in-wall and in-ceiling applications. The in-ceiling RC61 features a 6 1/2" woofer with

a 1/2" tweeter for outstanding room coverage and broad frequency response. The RC61S shares features with the RC61, but uses a pair of 1/2" tweeters and is designed for single-point stereo applications. The RC81 is also for in-ceiling installations, and offers true fidelity in a compact, 8" form factor. For in-wall installation, the RW691 offers a 6" x 9" configuration for efficient performance, while using less space than a traditional speaker design.

Features	Advantages	Benefits
High-Efficiency	Provides superior response and output from low-powered systems	Higher-output from amplified volume controls
Spring-lock mounting	Allows for faster, easier installation	Saves installation time
Economical	Increased output without the need for additional amplification	No additional equipment to purchase

## Specifications



### RC61 6 1/2" In-ceiling

#### Dimensions

9.8" dia. 2.9" deep  
(24.9 cm dia. 7.5 cm deep)

#### Weight

2.5 lbs.

#### Frequency Response

61Hz - 20kHz +3/-6dB

#### Sensitivity

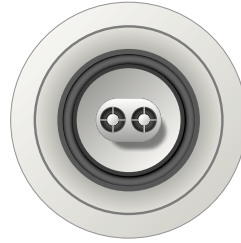
90dB

#### Recommended Amplifier Power

20 watts RMS maximum

#### Nominal Impedance

8ohms



### RC61S 6 1/2" Single Point Stereo

#### Dimensions

9.8" dia. 2.9" deep  
(24.9 cm dia. 7.5 cm deep)

#### Weight

TBA

#### Frequency Response

TBA

#### Sensitivity

TBA

#### Recommended Amplifier Power

TBA

#### Nominal Impedance

TBA



### RC81 8" In-ceiling

#### Dimensions

11.3" dia. 3.6" deep  
(28.7 cm dia. 9.2 cm deep)

#### Weight

3.0 lbs.

#### Frequency Response

53Hz - 20kHz +3/-6 dB

#### Sensitivity

92dB

#### Recommended Amplifier Power

20 watts RMS maximum

#### Nominal Impedance

8 ohms



### RW691 6 x 9" In-wall

#### Dimensions

9.8" dia. 2.9" deep  
(24.9 cm dia. 7.5 cm deep)

#### Weight

TBA

#### Frequency Response

41Hz - 20kHz +3/-6 dB

#### Sensitivity

90dB

#### Recommended Amplifier Power

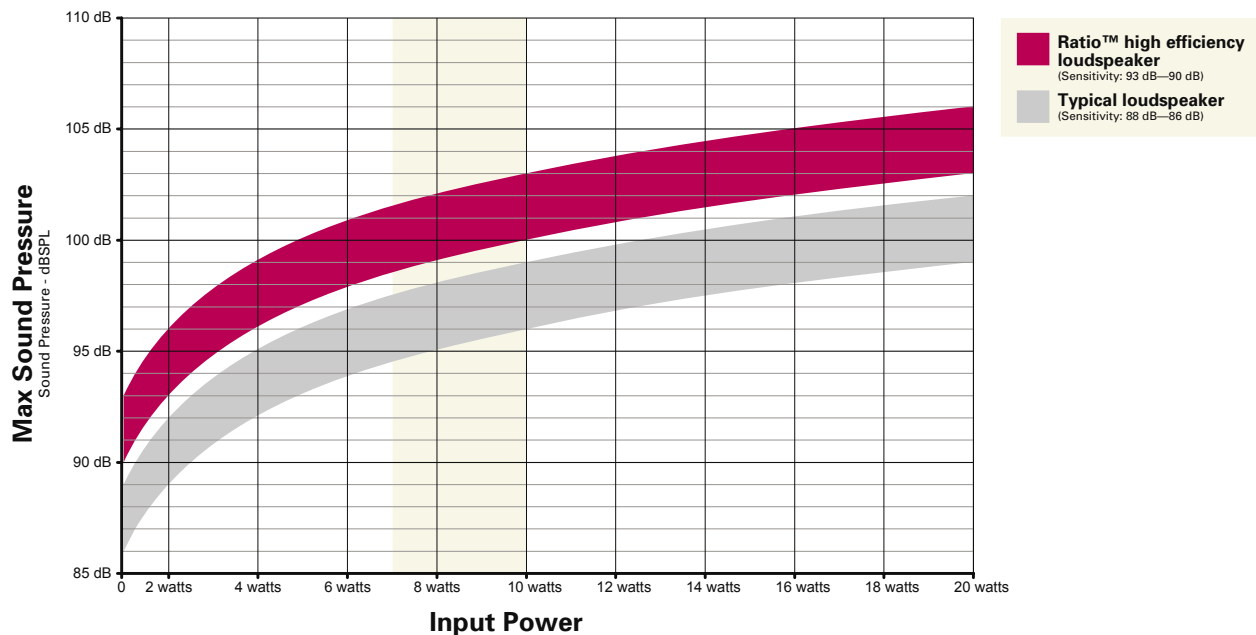
20 watts RMS maximum

#### Nominal Impedance

8 ohms

## Product Comparison

### Loudness Comparison



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