

Collage™ Powerline Media and Intercom System

Product Brief



 Rhapsody

 HOMEPLUS

Russound's Collage Powerline Media and Intercom system distributes network accessed music and intercom communication over a home's residential electrical system. The flexible, expandable system provides access to two-way transmission of audio, video, data, and internet media with metadata feedback without the need of running new zone-to-zone wiring.

The Collage system uses Powerline Carrier technology to establish an IP data network over a residential electrical system. This decentralized design allows system components to be installed almost anywhere in a home where electrical wiring is run. The basic system architecture is comprised of a Collage Media Manager and Amplified Keypad.

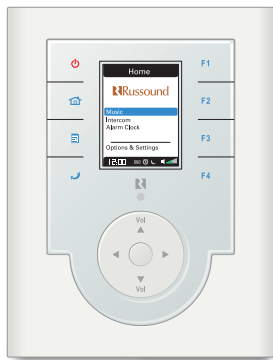
The Collage Media Manager (CMM1) connects to a local area network through a router for access to network attached storage devices and the internet. The power cord provides both power to the unit, as well as a connection to Powerline Carrier network, making installation fast and easy. The Media Manager delivers up to three independent streams of digital music from the local area network and online music sources to the Powerline Carrier network.

The Collage Amplified Keypad (CAK1) features a high-resolution 1/4 VGA display for viewing system information and source metadata. The capacitive touch scroll wheel and buttons provide easy, intuitive navigation of sources and network accessible music. An internal FM tuner serves as an additional source in each zone, and a built-in microphone allows for zone-to-zone intercom communication and room monitoring. The Keypad also features a system clock with alarm and sleep timer. It delivers 32 watts per zone @ 8 ohms, and is stable to a 4 ohm load. Display screen backlighting levels are adjustable automatically via a built-in light sensor.

In addition to the internal FM tuner, networked stored music, and online music services, hardware will soon be available that allows the Collage Powerline Media and Intercom system to use conventional audio sources with IR control, CCTV cameras that deliver composite video, and iPods as system sources for any system keypad.

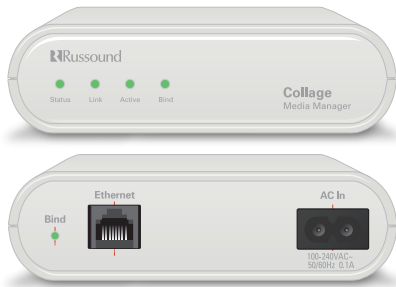
Features	Advantages	Benefits
Technology	Powerline Carrier technology	provides a multiroom media and intercom system without having to install long runs of new wiring
Business Opportunity	Scalable system	install exactly as many zones as you need (up to ten), or easily add more zones at a later date
Distinct Advantage	Networked accessed music	no additional source components are required, online music services add access to 7 million plus songs

Specifications



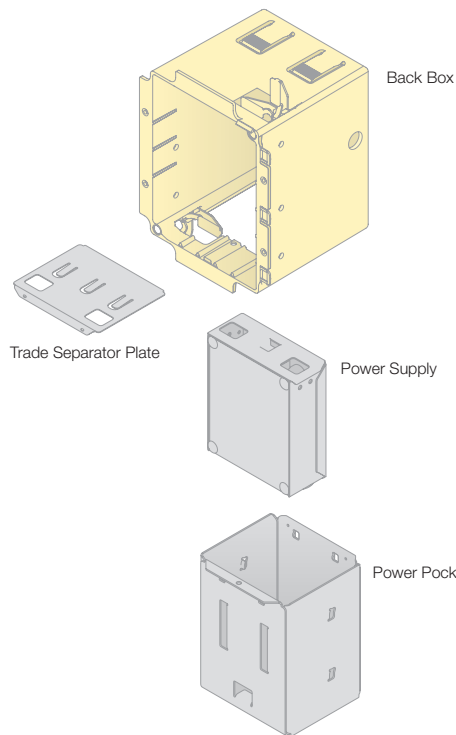
Keypad CAK1

Wall surface dimensions	4.99"W x 6.47"H (12.8 x 16.6 cm)
Inside box dimensions	3.61"W x 3.82"D x 4.76"H (9.25 x 9.8 x 12.2 cm)
Weight	0.75 lbs. (0.34 kg)
Power requirements	100~240 VAC 50/60 Hz 0.7A max
Operating temperature range	0-30 degrees C max (indoor use only)
Communication Cable	RJ45
Power supply	18 VDC, 5.5 mm plug
External antenna	F-connector for 75-ohm coaxial cable
Speakers	Removable snap connector
Controls	Backlit (blue and red) capacitive touchpad, click wheel with responsive cardinal points
Display	Color LCD 1/4 VGA TFT display (240 x 320)
Amplifier	32-watt (16 w/channel) with mono mode
Intercom	Two-way communication with built-in microphone
Radio	Built-in FM tuner with RDS (monopole antenna)



Media Manager CMM1

Dimensions	4.68"W x 4.88"D x 1.37"H (12 x 12.5 x 3.5 cm)
Weight	0.5 lbs. (0.23 kg)
Power requirement	100~240 VAC 50/60Hz, 0.2A Max
Communication port	Ethernet (8-pole RJ45 jack, T568A standard)
Operating temperature range	0-30 degrees C max (indoor use only)
Standards	HomePlug 1.0 Extended @ 28Mbps
Security	56-bit DES encryption
Data transfer rate	14/28 Mbps
Frequency band	4.3-20.9 MHz/2.1-26.8 MHz



Back Box Assembly

Back Box Dimensions	3.61"W x 3.82"D x 4.76"H (9.25 x 9.8 x 12.2 cm)
Back Box Cut-out Dimensions	3.7"W x 5"H (9.4 x 12.7 cm)
Weight	0.3 lbs. (0.14 kg)
Material	UL-rated plastic
Power Pocket Dimensions	3.04"W x 2.54"D x 4.49"H (7.8 x 6.5 x 11.5 cm)
Weight	0.6 lbs. (0.27 kg)
Material	Steel
Power Supply Dimensions	2.81"W x 1.25"D x 3.45"H (7.2 x 3.2 x 8.85 cm)
Weight	0.6 lbs. (0.27 kg)
Power requirement	100~240 VAC 50/60 Hz
Material	Steel
Trade Separator Plate Dimensions	2.93"W x 2.48"D x 0.08"H (7.5 x 6.35 x 0.2 cm)
Weight	0.05 lbs. (0.023 kg)
Material	Steel



Rhapsody is a digital music service that lets you listen to whatever you want, wherever you are — without paying per track. And Rhapsody membership plans start at less than the cost of a CD a month, so you can listen to as much music as you want without limits.



The Collage Powerline Media and Intercom system utilizes Russound's proprietary Gridcast™ communication protocol to distribute music, communication and media throughout a home over residential electrical wiring.



5 Forbes Road, Newmarket, New Hampshire 03857 USA

603.659.5170

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.