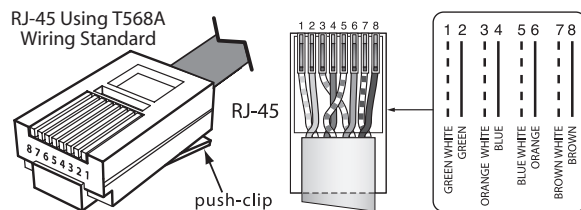


Installation

Locate the Encoder with the remote source. Install CAT-5 or CAT-5e cable between the remote source location and the system controller, up to 300 feet (90 m).

Crimp an RJ-45 connector on the source end of the CAT-5 cable, following the T568A standard as shown. Plug the connector into the RNET A/V jack on the Encoder. (If desired, use modular wall plates and RJ-45 patch cables for a neater appearance. Punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the Encoder and the wall plate.)



Setup for RNET Control

Note: For RNET control of the remote source, both the source equipment and the system controller must be RNET capable. If the RNET controller does not have an RNET A/V jack, you will need to use an RAVD1 Decoder at the controller to receive signals from the Encoder.

1. Connect RNET source equipment. Using the supplied RJ-45 patch cable, connect from an RNET Link jack on the source equipment to the RNET Link jack on the Encoder. Use the supplied RCA patch cable to connect from the source equipment's audio and video outputs to the Encoder's inputs.

2. Connect Encoder to RNET system. Crimp an RJ-45 connector on the system end of the CAT-5 cable, following the T568A standard as shown. With the RNET system turned off, plug the connector into the RNET A/V source input jack on the RNET system controller or RAVD1 Decoder. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the system and the wall plate.)

Note: Do not plug the CAT-5 cable into an RNET Link jack. It must be plugged into an RNET A/V jack on either the system controller or the RAVD1 Decoder.

3. Connect Decoder to RNET system. If using an RAVD1 Decoder, use a straight-through RJ-45 patch cable to connect from either RNET Link jack on the Decoder to any unused RNET Link jack on the system or an RNET source component. Use RCA patch cables to connect from the Decoder's audio and video outputs to inputs on the RNET system controller.

Note: Do not connect the Decoder's IR input. Doing so will disable RNET for the entire system.

Setup for IR Control

Note: If the system controller does not have an RNET A/V jack, you will need to use an RAVD1 Decoder at the controller to receive signals from the Encoder.

1. Connect source equipment. Attach an IR emitter to the infrared sensor on the source equipment and plug the emitter into the IR OUT jack on the Encoder. (Or use an IR link cable or mono patch cable with 1/8-inch [3.5 mm] TS connectors to connect from the Encoder to the source equipment's IR input jack.) Use the supplied RCA patch cable to connect from the source equipment's audio and video outputs to the Encoder's inputs.

2. Connect Encoder to multiroom system. Crimp an RJ-45 connector on the system end of the CAT-5 cable, following the T568A standard as shown. With the system turned off, plug the connector into the RNET A/V jack on the system controller or RAVD1 Decoder. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the system and the wall plate.)

Note: Do not plug the CAT-5 cable into an RNET Link jack. It must be plugged into an RNET A/V jack on either the system controller or the RAVD1 Decoder.

3. Connect Decoder to system. If using an RAVD1 Decoder, use RCA patch cables to connect from the Decoder's outputs to source inputs on the system.

RNET system. Use a straight-through RJ-45 patch cable to connect from either RNET Link jack on the Decoder to any unused RNET Link jack on the system or an RNET source component.

Note: Do not connect the Decoder's IR input. Doing so will disable RNET for the entire system.

Non-RNET system. Use an IR link cable or mono patch cable with 1/8-inch (3.5 mm) TS connectors to connect from the system's IR output to the Decoder's IR input.

Final Steps

1. Power Encoder. Plug the power supply into an AC power receptacle and connect its output lead to the power jack on the Encoder. If using an RAVD1 Decoder, power it up as well.

2. Turn on source and system. Power up the remote source and the system. Select the remote source at a system keypad or touchscreen and begin playing the source. You should hear it playing through the system.

3. Program multiroom system. Follow the multiroom system's programming instructions to set up the remote source for control from the keypads and touchscreens.

Specifications

RNET A/V connector: 8-pole modular RJ-45 jack

Input connectors: (1) composite video RCA jack
(2) left and right audio RCA jacks

IR emitter connector: 2-pole 0.125" (3.5 mm) TS jack

RNET Link connector: 8-pole modular RJ-45 jack

Power requirement: 12 VDC 1 A (power supply included)

Mounting method: Surface

Dimensions: 4.25" W x 1.82" H x 2.5" D
(10.8 x 4.6 x 6.4 cm)

Weight: 10.0 oz (284 g)

Warranty

The Russound RAVE1 is fully guaranteed against all defects in materials and workmanship for two (2) years from the date of purchase. During this period, Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. For this warranty to apply, the unit must be installed and used according to its written instructions. If service is necessary, it must be performed by Russound. The unit must be returned to Russound at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects, nor is damage resulting from abuse or from servicing by an agency or person not specifically authorized in writing by Russound.

This warranty does not cover: damage caused by abuse, accident, misuse, negligence, or improper installation or operation; power surges and lightning strikes; normal wear and maintenance; products that have been altered or modified; any product whose identifying number, decal, serial number, etc. has been altered, defaced or removed.

Russound sells products only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any Russound product purchased from an unauthorized dealer or other source, including retailers, mail order sellers and online sellers will not be honored or serviced under existing Russound warranty policy. Any sale of products by an unauthorized source or other manner not authorized by Russound shall void the warranty on the applicable product.

Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis or the retail value of the parts and labor. To return for repairs, the unit must be shipped to Russound at the owner's expense, along with a note explaining the nature of service required. Be sure to pack the unit in a corrugated container with at least three (3) inches of resilient material to protect the unit from damage in transit.

Before returning a unit for repair, call Russound at 603.659.5170 for a return authorization number. Write this number on the shipping label and ship to: Russound, 5 Forbes Road, Newmarket, NH 03857.

Russound[®]

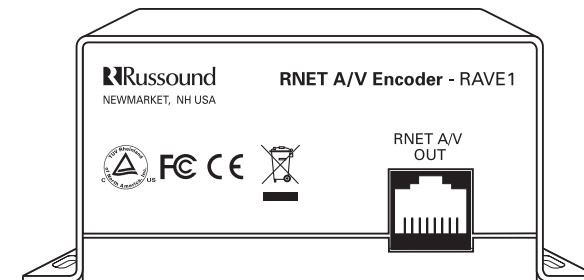
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28-1264 06/05/07

RAVE1

RNET A/V Encoder

Instruction Manual



Overview

The RAVE1 RNET A/V Encoder enables the use of a remote source with a Russound RNET[®] or other multiroom audio-video system. It connects to the source equipment and sends audio and video signals to the multiroom system over a single CAT-5 cable. It also provides either RNET or infrared control of the source equipment.

Housed in a compact surface-mount metal box, the RAVE1 provides connectors for RNET Link, IR emitter, stereo audio, and composite video. A special RJ-45 jack connects through the CAT-5 cable to either an RAVD1 RNET A/V Decoder or an RNET A/V-enabled multiroom controller at the system end.

The RAVE1 comes with a 12 VDC power supply and patch cables for connecting to the source equipment.

Features

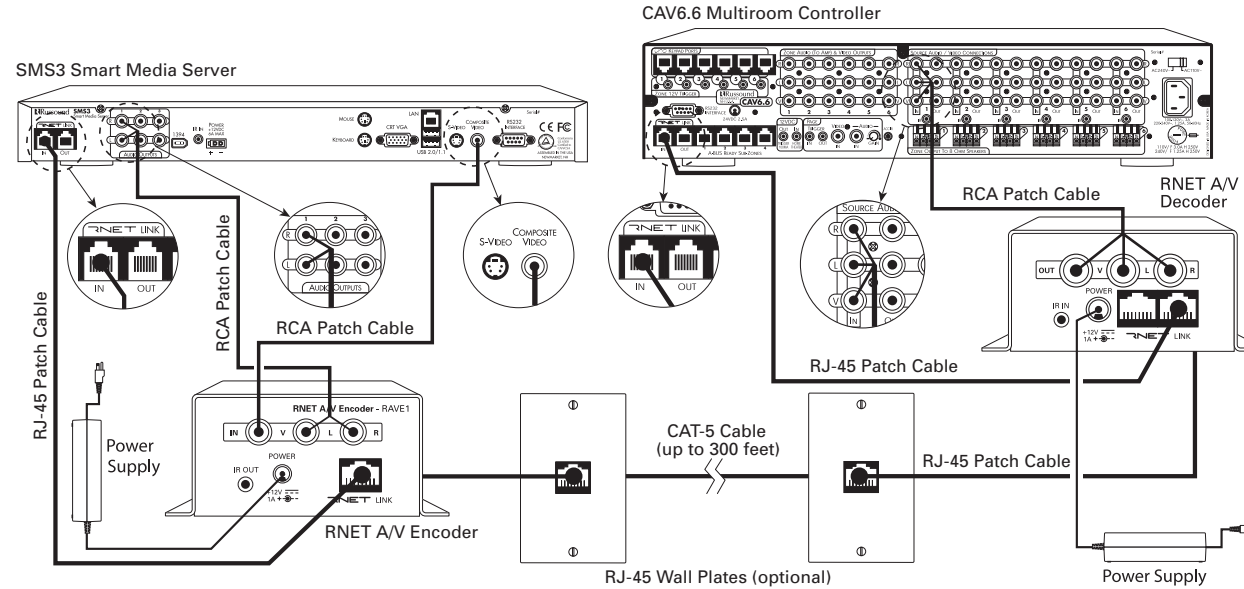
- Enables remote location of an audio-video source for a multiroom system
- Provides RNET control and feedback with an RNET remote source and multiroom system
- Provides IR control of a non-RNET remote source
- Connects to the multiroom system with a single CAT-5 cable
- Easily mounts on any flat surface

Safety Precautions

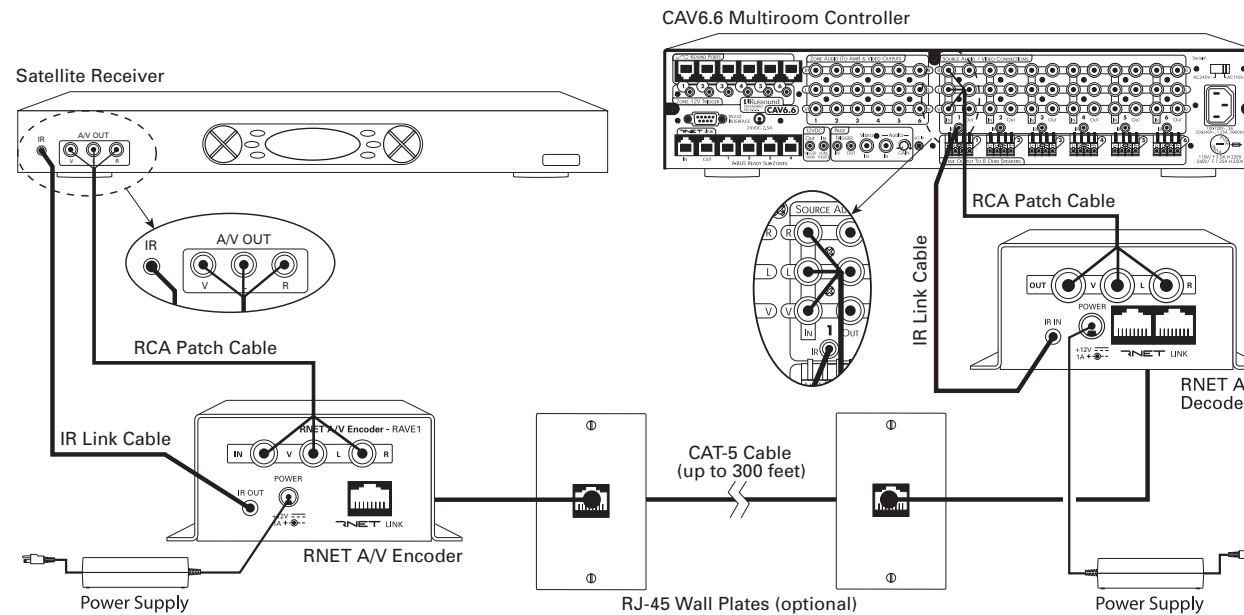
1. Read these instructions.
2. Keep these instructions
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits from the apparatus.
11. Use only attachments or accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart-apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

If you have any questions, call Russound at 800.638.8055 or 603.659.5170.

Typical Applications

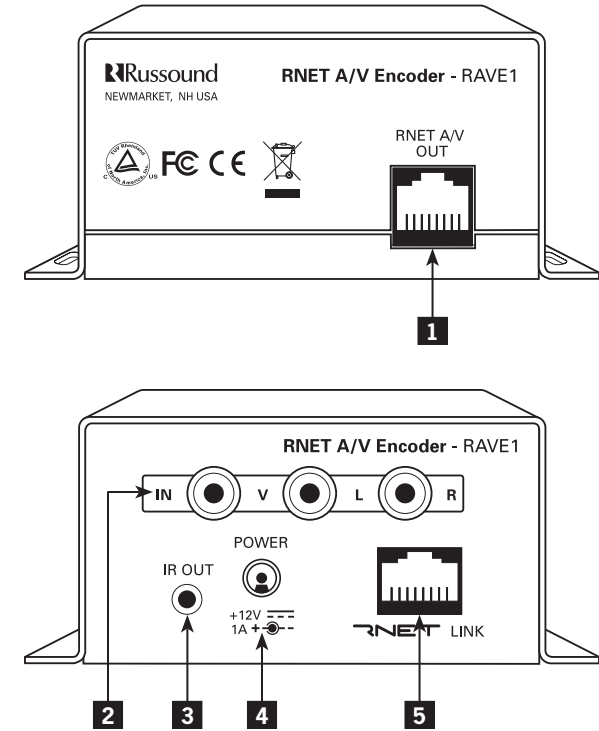


Connections for RNET control of source



Connections for IR control of source

Front and Rear Panels



- 1 RNET A/V PORT – For connection to RNET A/V port on multiroom controller or RAVD1 Decoder
- 2 AUDIO-VIDEO INPUTS – For connection to remote source outputs
- 3 IR OUTPUT – For connecting an infrared emitter for IR control of remote source
- 4 POWER INPUT – For connecting included 12 VDC 1 A power supply
- 5 RNET LINK PORT – For connecting to an RNET source component for RNET control and feedback

Note: The RAVE1 provides either RNET or IR control of the source. Both control methods cannot be used at the same time.