

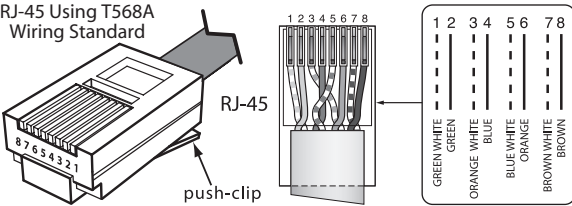
Installation

The RAVD1 Decoder should be located with the multi-room system controller to facilitate source connections.

Setup for RNET Control

1. Run cable. Install CAT-5 cable between the remote source location and the system controller, up to 300 feet (90 m). If desired, use modular wall plates and RJ-45 patch cables for a neater appearance.

2. Connect source input device. 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 source input device. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the device and the wall plate.) Connect the remote source to the source input device.



3. Connect RNET A/V Decoder. Crimp an RJ-45 connector on the system end of the CAT-5 cable, following the T568A standard as shown. Plug the connector into the RNET A/V jack on the Decoder. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the Decoder and the wall plate.)

4. Connect Decoder to RNET system. With the RNET system turned off, use the supplied 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 an RCA patch cable to connect from the Decoder's audio outputs to a source audio input on the RNET system controller. If using video, also connect an RCA patch cable between the Decoder's video output and the source video input on the system.

5. Power Decoder. Plug the power supply into an AC power receptacle and connect its output lead to the power jack on the RAVD1.

6. Turn on RNET system. Power up the system and select the remote source. Start playing the remote source. You should hear it playing through the system.

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

Note: When using the RAVD1 for RNET control of the source, do not connect anything to the IR input. Doing so will disable RNET for the entire system.

Setup for IR Control

1. Run cable. Install CAT-5 cable between the remote source location and the system controller, up to 300 feet (90 m). If desired, use modular wall plates and RJ-45 patch cables for a neater appearance.

2. Connect source input device. 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 source input device. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the device and the wall plate.) Connect the remote source to the source input device.

3. Connect RNET A/V Decoder. Crimp an RJ-45 connector on the system end of the CAT-5 cable, following the T568A standard as shown. Plug the connector into the RNET A/V jack on the Decoder. (If using a wall plate, punch down the CAT-5 per the T568A standard and use a straight-through patch cable between the Decoder and the wall plate.)

4. Connect Decoder to audio-video system. With the audio-video system turned off, use an RCA patch cable to connect from the Decoder's audio outputs to a source audio input on the system. If using video, also connect an RCA patch cable between the Decoder's video output and the source video input on the 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.

5. Power Decoder. Plug the power supply into an AC power receptacle and connect its output lead to the power jack on the RAVD1.

6. Turn on audio-video system. Power up the system and select the remote source. Start playing the remote source. You should hear it playing through the system.

7. Program audio-video system. Configure the audio-video system for IR control of the remote source.

Specifications

RNET A/V connector:	8-pole modular RJ-45 jack
Output connectors:	(1) composite video RCA jack (2) left and right audio RCA jacks
IR Input connector:	2-pole 1/8" (3.5 mm) TS jack
RNET Link connectors:	(2) 8-pole modular RJ-45 jacks
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 RAVD1 RNET A/V Decoder 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.

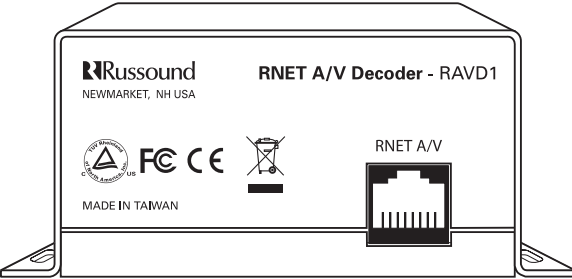
iPod is a trademark of Apple Inc., registered in the US and other countries.



5 Forbes Road, Newmarket NH 03857 USA
Tel 603.659.5170 • Fax 603.659.5388
www.russound.com

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28-1233 Revision 1 03/29/07

RAVD1
RNET A/V Decoder
Instruction Manual



Overview

The RAVD1 RNET A/V Decoder allows you to use a remote source with a Russound RNET® or other multi-room audio-video system. Connected to a source input device such as the BGD1 iBridge Dock with a single CAT-5 cable, the RAVD1 provides the necessary source connections at the system controller.

Housed in a compact surface-mount metal box, the RAVD1 provides connectors for RNET Link, IR control, stereo audio, and composite video. A special RJ-45 jack receives encoded signals from the source input device using RNET A/V technology.

The RAVD1 comes with a 12 VDC power supply and patch cables for connecting to the multiroom system.

Features

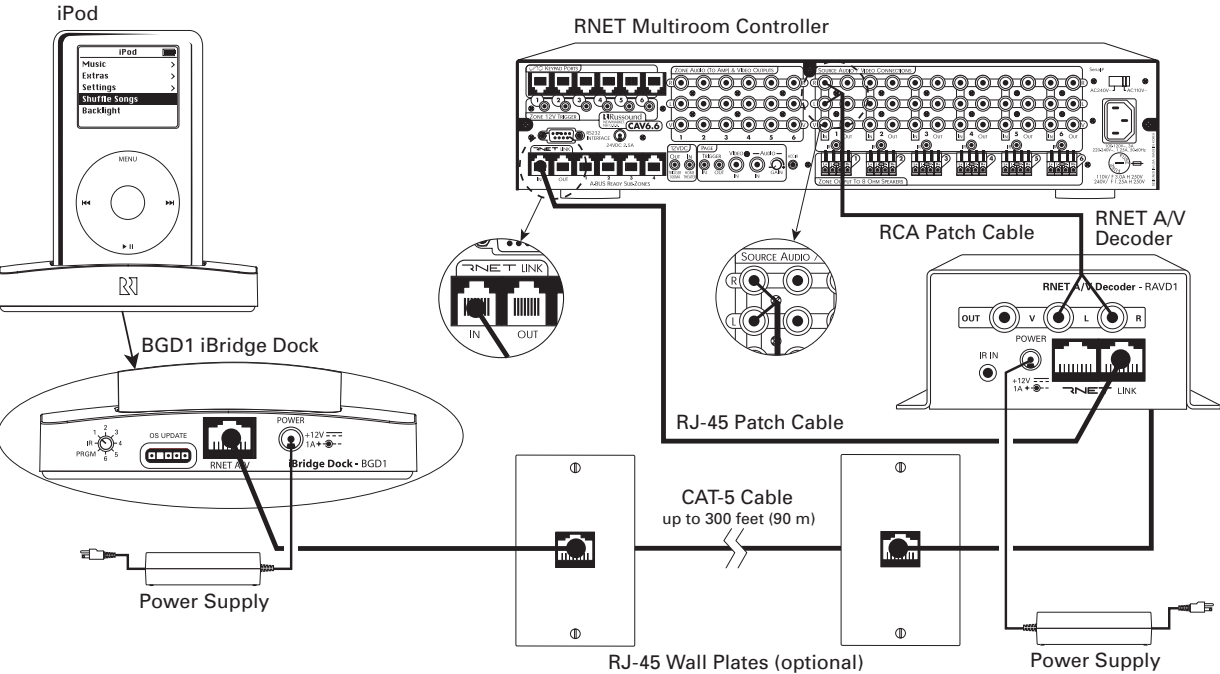
- Sends RNET or IR control commands to a remote source
- Receives stereo audio, RNET data, and video from the source on one CAT-5 cable
- Provides remote source connections at the system controller
- Easily mounts on any flat surface

Safety Precautions

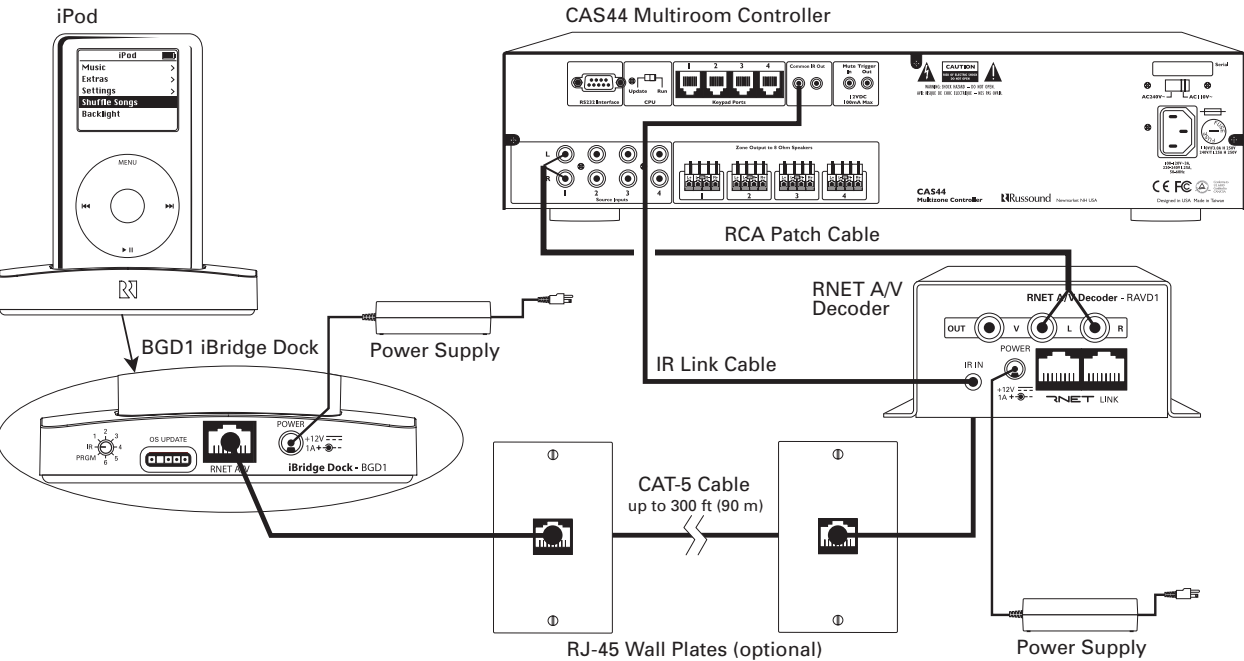
- 1. Read these instructions.
- 2. Keep these instructions
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not 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.

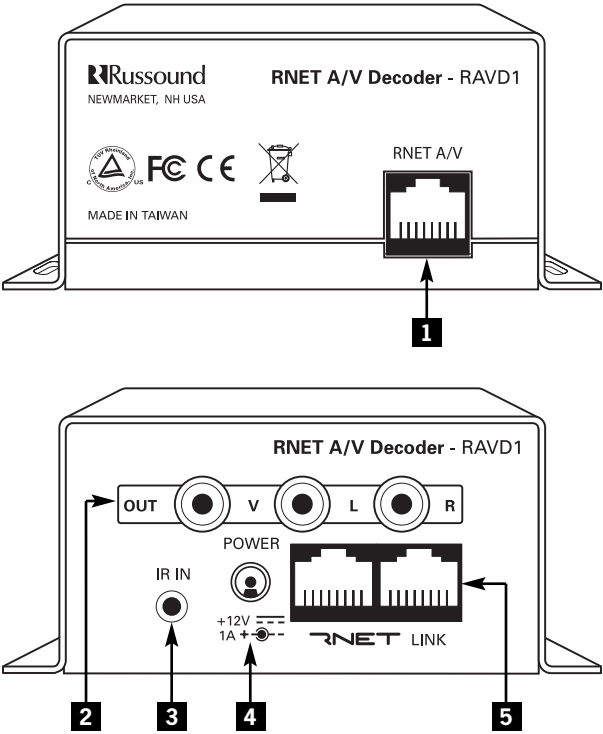
Connection for RNET Control of Source



Connection for IR Control of Source



Front and Rear Panels



- 1 RNET A/V PORT – For connection to BGD1 iBridge Dock or other RNET A/V source input device
- 2 AUDIO-VIDEO OUTPUTS – For connection to multi-room system source inputs
- 3 IR INPUT – For connection to IR output on multiroom system to support IR control of remote source
- 4 POWER INPUT – For connecting included 12 VDC 1 A power supply
- 5 RNET LINK PORTS – For control and feedback connection to RNET system

Note: When using the RAVD1 for RNET control of the source, do not connect anything to the IR input. Doing so will disable RNET for the entire system.