

Wall Port Installation

1. Pick an unobtrusive location close to the controller that all cables (speaker and keypad) can be routed to.
2. Install an electrical box, using a UL/CSA approved plastic single-gang (18 ci or deeper) electrical box. If there will be two controllers you should use two single-gang boxes separated slightly to allow space for the cables.
3. Route CAT-5 wire from the electrical box to the four keypad locations. Route the speaker cable from the electrical box to the corresponding speaker locations. Label each set of cables with the zone and location.
4. Terminate each CAT-5 wire with a RJ-45 plug using the T568A standard configuration.
5. Strip 1 to 2 inches (2.5 to 5 cm) off the end of each speaker cable jacket. Then strip 1/4 inch (0.7 cm) of insulation off each wire.
6. Twist the speaker wire strands together so there are no strands separated from the bundle.
7. Insert the proper speaker wire, matching channel and polarity for all four wires. Tighten the screws until the wires are secured in the terminal.
Cable as follows (standard 4-conductor):
White -- L+ (left channel positive), Green -- L- (left channel negative), Black -- R- (right channel negative) and Red -- R+ (right channel positive).
8. Check to make sure there are no stray strands of wire outside the terminals. If there are, remove the wire, twist the strands together, and reconnect the wire to the terminal.
9. Complete the same steps for the remaining zones. Plug each of the RJ-45 plugs into the corresponding keypad zone jack on the rear of the wall port. **Note:** All four connections from the controller to the wall port must be made, even if there are less than 4 keypads connected to the system. Cables between the wall port and the controller must match numerically (#1 on the wall port to #1 on the controller).
10. Mount the wall port in the electrical box. Push any extra cable back into the wall. Screw the wall port plate to the electrical box. Attach the trim plate to the wall port.

Safety Instructions

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance in the operating instructions should be adhered to.
4. Follow Instructions - Follow all operating and user instructions.
5. Water and Moisture - The appliance should not be used near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
6. Wall Mounting - The appliance should be mounted to a wall as recommended by the manufacturer.
7. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
8. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
9. Grounding or Polarization - Precaution should be taken so that the grounding or polarization means of an appliance is not defeated.
10. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through the openings.
11. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
The power supply cord or the plug has been damaged;
Objects have fallen, liquid has been spilled into the appliance;
The appliance has been exposed to rain;
The appliance does not appear to operate normally; or
The appliance has been dropped or the enclosure is damaged.
12. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
13. Care - From time to time you should wipe off the front panel with a soft dry cloth.

Limited Warranty

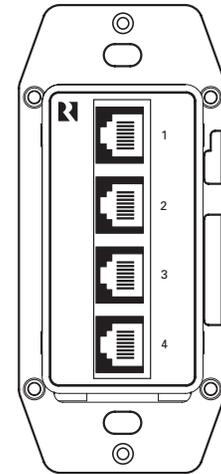
The Russound CA4-WP is fully guaranteed for two (2) years from the date of purchase against all defects in materials and workmanship. During this period Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. For this warranty to apply, the unit must be installed and used according to its written instructions. If service is necessary, it must be performed by Russound. Russound assumes no responsibility for defects resulting from abuse or servicing performed by an agency or person not specifically authorized in writing by Russound. Damage to or destruction of components due to improper use voids the warranty. In these cases the repair will be made at the owner's expense. Accidental damage and shipping damage are not considered defects under the terms of the warranty. To return for repairs, the unit must be shipped to Russound at the owner's expense, along with a Return Authorization number and documentation explaining the nature of the service required. Any product returned without prior written permission will be returned to sender. 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.



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CA4-WP CA4 Wall Port Installation Manual



Overview

The Russound CA4-WP Wall Port provides a connection between the CA4 controller and the CA-KP keypads. It is mounted near the controller in a single-gang electrical box.

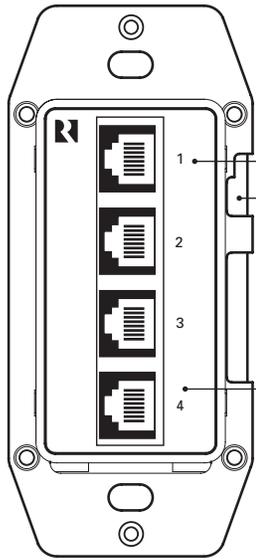
Specifications

Dimensions:	1.9" x 1.9" x 4.1" (49 x 49 x 105mm)
Weight:	0.25 lb. (0.11kg)
Keypad ports:	4
Keypad Cables:	CAT-5 - RJ-45 termination
Speaker connections:	4
Speaker Cables:	14-18 gauge - screw termination
Max cable length:	Wall Port to controller 6' (2m) Wall Port to keypad 240' (73.2m) Wall Port to speaker 240' (73.2m)

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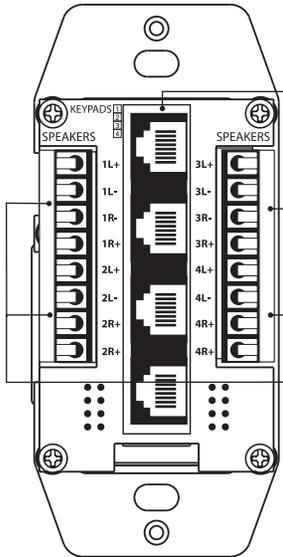
Wall Port Front and Rear



CA4 Wall Port (front)

When changing face plate colors, the plate cutouts must be on the same side as the zone numbers

RJ-45 Connections
Use included CAT-5 cables to connect the controller to the Wall Port.



CA4 Wall Port (rear)

RJ-45 Keypad Connections
Connect to each keypad

Speaker terminals
Four pair 8 ohm speakers
Two channels each

Speaker Outputs

The CA4 supports speaker outputs for zones 1 through 4 for each controller with a maximum of eight zones. Each speaker connection requires a 8-ohm load and will provide 15 watts per channel. Standard 16-gauge 4-conductor stranded speaker wire can be run up to 125 feet; 14-gauge wire can be run up to 250 feet.

The speakers are connected to the CA4 Wall Port using fixed screw terminals. Each of these terminals is designated for the speaker set of a particular amplified zone. To avoid confusion, connect one zone speaker set at a time starting with Zone 1, taking care to keep zone and speaker wire identities straight.

Controller / Keypad Configuration

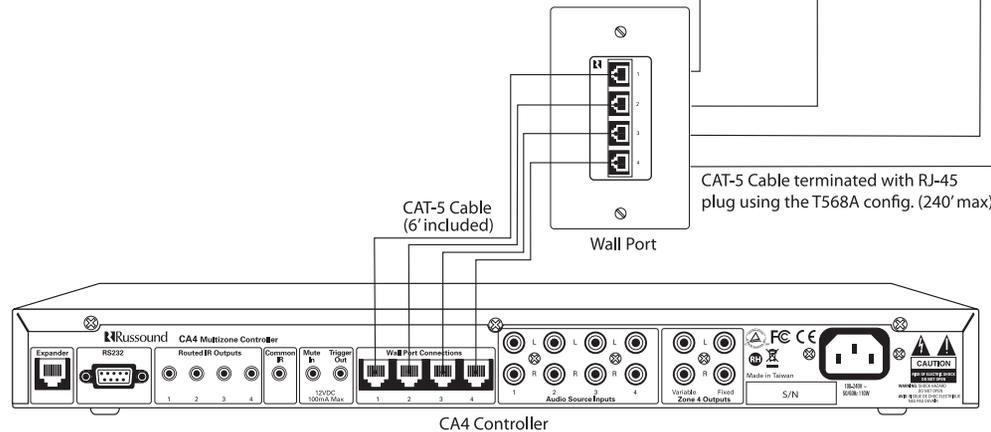
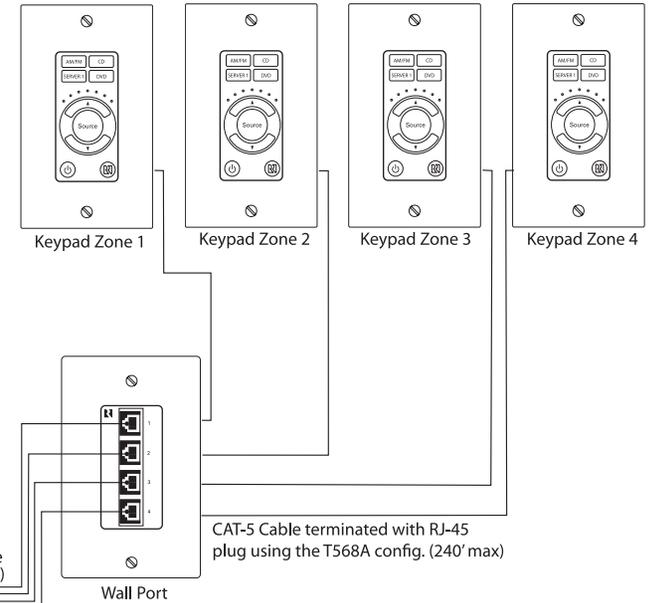
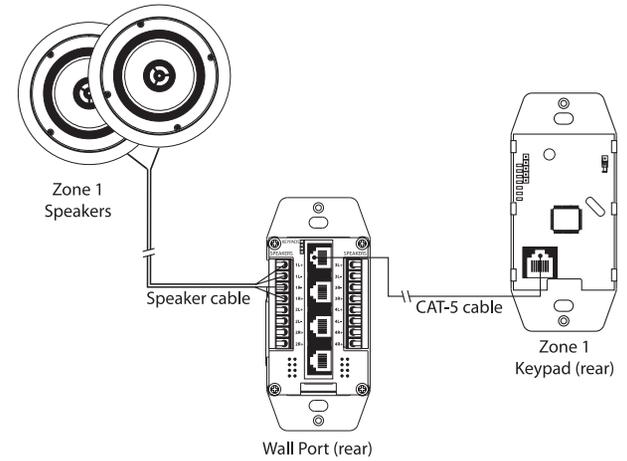
The CA4 Wall Port jacks are located on the rear of the controller. These RJ-45 ports must be connected to the corresponding jacks on the wall port. Each keypad is then connected to the wall port.

All CAT-5 connections are made with RJ-45 connectors using the T568A Wiring Standard configuration. For a clean installation use the included RJ-45 CAT-5 pass-through cables to connect from the controller wall port jack to the corresponding one on the CA4-WP. Using the same wiring configuration to terminate the ends, route a CAT-5 cable from the wall port to each of the keypads. Cables from the controller to the wall port should not exceed 6 feet (2m).

The maximum recommended CAT-5 cable length is 240 feet (73.2m) between the wall port and the keypad.

Note: All four CAT-5 cables must be connected between the controller and wall port for proper operation.

Caution: Cables between the wall port and the controller must match numerically (#1 on Controller to #1 on Wall Port, etc.). Swapping cables to different ports can damage the equipment.



CA4 Controller