

CONNECTION INSTRUCTIONS FOR A-LC3. REFER TO NUMBERED DIAGRAM ON REVERSE.

1 RJ-45 Connector for CAT-5 (Hub/Controller)

The RJ-45 "Hub" input provides a connection for the CAT-5 cable from an A-BUS hub/controller. Use the T568A wiring standard. The recommended maximum length for standard CAT-5 cable is 150 feet. Before connecting the A-LC3, disconnect the power supply from the A-BUS hub/controller and disconnect the Status power supply if used.

2 RJ-45 Connector for CAT-5 (Keypad)

The RJ-45 "Keypad" input provides a connection for the CAT-5 cable to the amplified keypad. Use the T568A wiring standard. The recommended maximum length for standard CAT-5 cable is 150 feet. Before connecting the A-LC3, disconnect the power supply from the A-BUS hub/controller and disconnect the Status power supply if used.

3 Adjustment for Switching Sensitivity

The rotary trim potentiometer provides adjustment of source switching sensitivity. This adjustment determines the level of signal that must be present before the A-LC3 will switch from the main source to the local source. Fully counter-clockwise is the lowest level; turn the trim screw clockwise until switching occurs.

4 Adjustment for Switching Delay

The rotary trim potentiometer provides adjustment of source switching delay. This adjustment determines the time it takes to return to the main source after the local source signal is no longer detected. Fully counter-clockwise is the lowest level; turn the trim screw clockwise until switching occurs.

5 Sensitivity and Switching Delay LED

The green LED indicator next to the sensitivity adjustment control helps the installer set the levels during installation.

When the A-LC3 is powered by the hub/controller (through RJ-45 connection), the LED flashes three times to confirm hub connection. This takes 1.5 seconds, during which time the local source will not be looking for external audio. After this period, normal operation is initiated, and if any external audio is sensed it will be routed to keypads. This short power-up delay also allows A-K6L keypads to properly boot up. It is important not to send any codes to it before it is fully on-line, as the system could go out of sync.

The LED turns on when the A-LC3 switches to the local source input. Use the sensitivity adjustment with local source audio present until the LED is just above steady ON, then turn the sensitivity adjustment and additional 1/8th turn.

6 Line Level Input for Local Source

The Line Input with autosensing gold-plated stereo RCA jacks provides a stereo line-level audio input for a local source with an RCA cable connection.

7 IR Output Jack for Local Source

The 3.5mm mono IR output jack is used to connect a Russound IR emitter to a local source and transmit commands from the A-BUS keypad to the local source if remotely located (such as a closet or cabinet). When the local source input is active, all IR codes sent through the keypad will be routed to the IR emitter output on the A-LC3 (these commands will also be sent to the IR output of the last source selected by that keypad and to the Common IR output on the hub/controller, not routed only to the A-LC3).

8 Installation

Check all connections and test the system's operation before installing the A-LC3 into the wall. Using the included hardware, install the A-LC3 into a standard UL/CSA single-gang electrical J-box.

9 Auto ON/OFF with A-K6L

The A-LC3 allows a local source to play through that room's speakers, instead of what's playing on the main source, and its volume is controlled using that room's amplified keypad.

When the local source is activated, the A-LC3 automatically turns ON (if it is OFF) the A-K6L keypad in the zone. If the keypad is on, when the local source becomes active it overrides the main source audio in that room, and when inactive, returns the room to the main source audio.

When the A-LC3 is active with the A-K6L keypad, the local source will turn the keypad ON to a preprogrammed volume. This value (LsVol) is set in the A-K6L programming menu.

The A-K6L LCD screen displays "Ls On" to indicate the local source has turned the zone on. If the keypad is turned off but the local source input is still active, the keypad returns to the "Ls On" state.

When the A-LC3 loses the signal (no audio present on the line level inputs), the A-LC3 turns off the A-K6L. The zone status LED remains lit until the A-K6L is power cycled.

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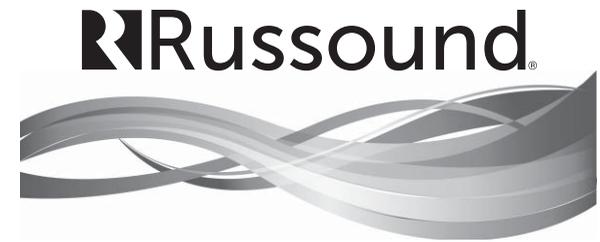
Safety Instructions

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 - All operating and user instructions should be followed.
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 or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only 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
 - The appliance has been dropped or 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 A-LC3 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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A-LC3 Local Input Module for A-BUS® System Installation Manual

A-LC3 Overview

The Russound A-LC3 is an in-wall local source input module used with A-BUS® hubs and controllers in a distributed audio system. An A-LC3 in a room lets a local source or portable audio component be heard over the room's speakers independently from other rooms in the A-BUS system.

The A-LC3 connects between the A-BUS hub/controller and an A-BUS amplified keypad via CAT-5 cable. The A-LC3 automatically selects between an independent local source (e.g., portable CD player) and the source of an A-BUS system. It can be used with both single- and multi-source A-BUS hubs/controllers.

A-LC3 Features

- Auto turn ON of zone when used with A-K6L keypad
- IR emitter output for IR control of local source
- Stereo audio input
- Automatic switching between local and main source
- Switching sensitivity adjustment
- Switching delay adjustment

A-LC3 Specifications

Input Sensitivity:	1 Vrms
Power Requirements:	+24VDC, 20mA
Switching Delay:	3 to 60 seconds
CAT-5 Connections:	RJ-45 connector
IR Emitter Connection:	3.5mm mono IR output jack
Dimensions (in-wall):	1.75"W x 2.875"H x 1.75"D (45x73x45mm)
Weight:	3.5 oz. (100g)