



CS-1 IR

Infra Red Zone Controller

Instruction Manual

CS-1 IR Infra Red Zone Controller

FUNCTIONS

The CS-1 IR remote control unit allows infra-red remote control of all functions of the CS-1 (and its attached source components). This control flexibility is now possible from any remote location where Russound I/R receivers have been installed. The CS-1 IR and its associated I/R receivers will work alone or in conjunction with existing CS-1 keypads, providing a broad range of control options for each zone including a keypad and I/R controller together or an I/R controller or a keypad alone.

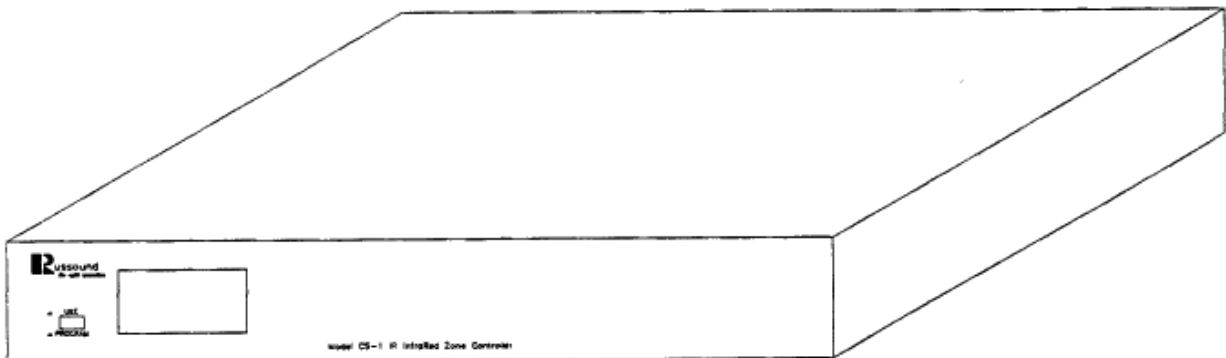
In addition to providing control of the CS-1 functions for each zone, its I/R repeater capability allows control of any connected I/R capable source components. The CS-1 IR analyzes the incoming codes, sending CS-1 codes directly to the CS-1 and component codes to the connected I/R emitters for re-broadcast. Simply directing the appropriate hand-held remote at a Russound I/R receiver allows transmission of the signal to the main location, controlling the source components.

The CS-1 IR unit is able to program the CS-1 control codes into an independent learning remote control (not included), which then can be used to control the CS-1 and its connected I/R components.

Front panel

The CS-1 front panel includes an I/R receiver to control Zone One of the connected CS-1. I/R LED's on the front panel allow easy and convenient programming of the learning remote control. The unit is 3" high and matches the CS-1 in depth, width and finish for an attractive and convenient installation.

To program a universal remote control press the button on the CS-1 IR front panel to the PROGRAM (out) position. This will enable the I/R programmer. To program the universal remote follow the instructions of the remote and use the buttons on the CS-1 Zone One front panel while holding the remote up to the right side of the dark red lens on the CS-1 IR controller. If difficulty is encountered in programming any of the CS-1 functions and a keypad is available it may be connected to the Zone One Keypad input on the CS-1 IR and used to program the universal remote instead of Zone One on the CS-1 front panel. When the programming is completed return the button on the CS-1 IR to the USE (in) position. This will disable the program mode and enable the I/R receive mode.

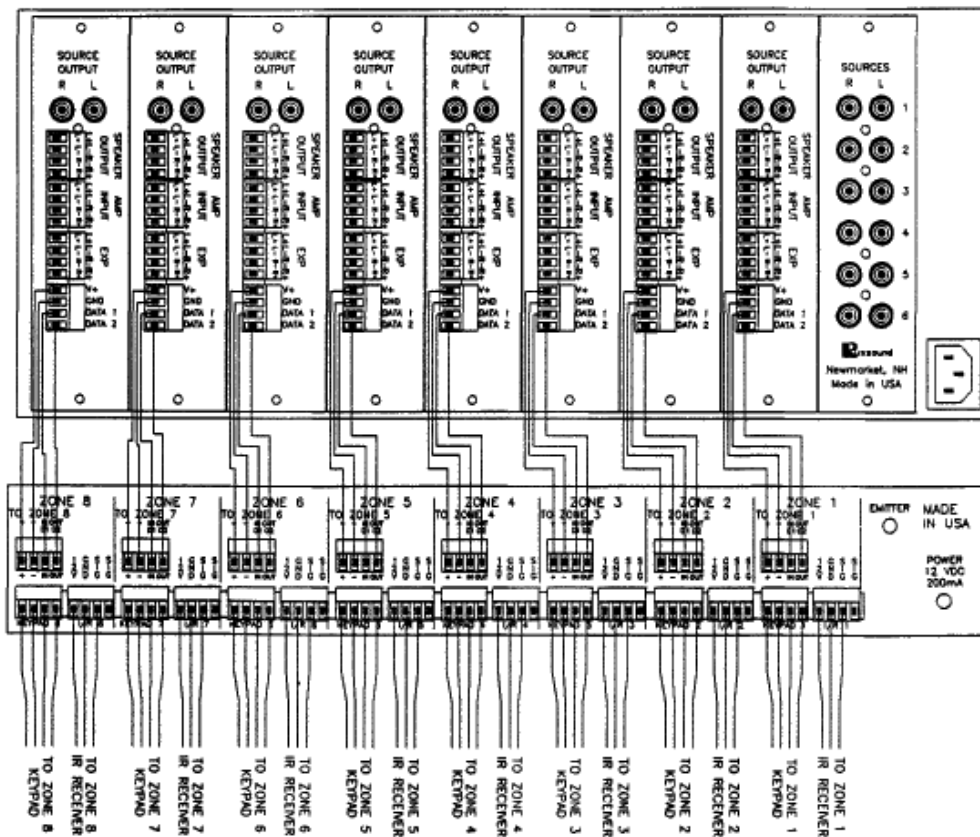


Rear panel (see diagram)

The CS-1 IR rear panel includes connections for up to eight CS-1 zone keypads, up to eight remote I/R receivers, and three I/R output jacks for up to three I/R emitters to control associated components. A 12 volt power supply is provided for connection to the CS-1 IR to drive the connected I/R receivers and emitters.

To wire the CS-1 IR controller to the system, connect the keypad from each zone to the corresponding zone keypad connection on the CS-1 IR. Be sure to follow the power polarity and data line in and out. Wire the corresponding CS-1 zone to the CS-1 IR with a four conductor twisted pair wire, again be sure that the polarity is correct and the data lines are correct. The D1 on the CS-1 IR wires to the Data 1 of the CS-1 and the D2 wires to the Data 2 of the CS-1.

To wire the I/R receivers (not included) to the CS-1 IR controller home run each receiver to the CS-1 IR connector labeled I/R. Be sure to wire the +12v, GND and Signal to the correct terminals. The two SIG lines are identical so only one of them has to be connected to.



Technical Information

Zones: 8 zone I/R receiver inputs. 8 keypad inputs.

Emitters: 1 output. Up to three when used with an optional 847 connecting block.

Power Requirement: 12 VDC 200mA.

Dimensions: 17"W x 16"D x 3.5"H. Rack mount panel 19"W

Weight: 10 lbs.

LIMITED WARRANTY

The Russound CS-1 IR is fully guaranteed for ten (10) 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. The unit must be returned to Russound at the owners expense and with prior written permission. Accidental damage and shipping damage are not considered defects under the terms of this warranty. 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 excessive power voids the warranty. In these cases the repair will be made at the owners expense. To return for repairs, the unit must be shipped to Russound at the owners expense, along with a note explaining the nature of the service required. Be sure to pack in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

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