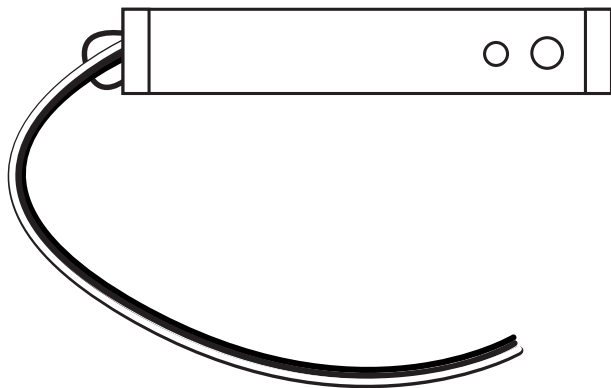


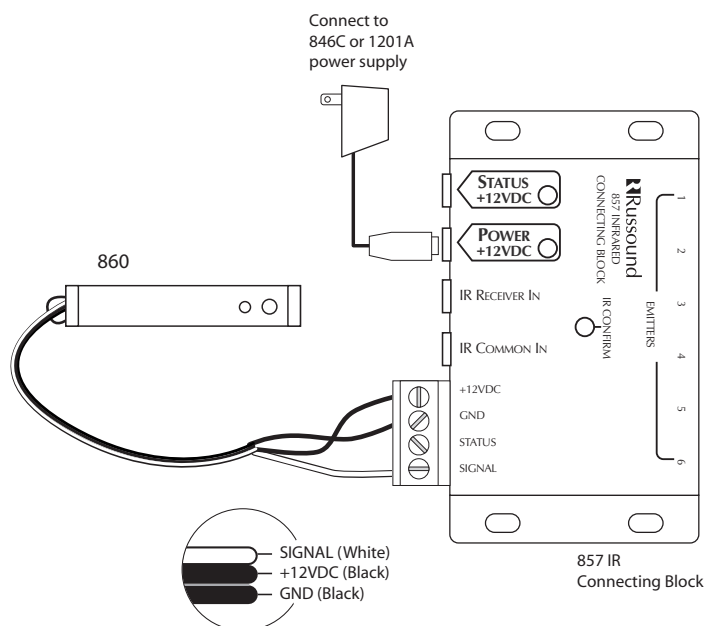
## SaphIR 860 Phantom Mini Infrared Receiver Installation Manual



### Wire Connections

*Direct Connection from 860 Phantom to Connecting Block*

Connect the 860 Phantom to the 857 connecting block. Connect GND (GROUND), IR (SIGNAL) and Voltage (+12VDC) to connector on the 857.



### Product Overview

The 860 Phantom IR Receiver receives IR signals from a handheld IR remote control and relays these signals to the audio-video equipment for operation from another room. It mounts inconspicuously to a flat surface with two-sided tape (included).

The blue talkback LED can be disabled by snipping the wire that loops out of the 860 near the leads.

### Features

- CFL friendly - allows installations in areas with compact fluorescent lighting. Works in most lighting environments.
- Blue IR confirmation LED
- Option to disable talkback LED
- Wide band IR receives IR from many types of remotes
- Available in white or black

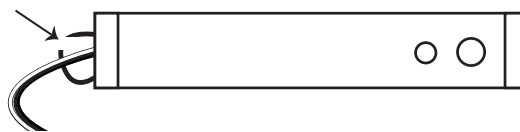
### Installation

Place the 860 Phantom on a shelf or other flat surface with the IR receiver facing out. Use the included double-sided tape to secure it to the surface.

### Disable IR talkback LED

**NOTE:** Disabling the talkback LED should be performed PRIOR to wiring the 860 to the connecting block.

To disable the blue talkback LED of the 860 Phantom, locate the small wire loop at the end of the receiver near the wire leads. Carefully snip the wire near the middle. If it is necessary to re-enable the LED, simply reconnect the leads.



### Limited Warranty

The Russound 860 IR Receiver is fully guaranteed for two (2) years from the date of purchase against all defects in materials and workmanship. For this warranty to apply, the unit must be installed and used according to its written instructions. During this period, Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. 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. If service is necessary, it must be performed 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 owner's expense. To return for repairs, the unit must be shipped to Russound at the owner's 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.

Before returning a unit for repair, call Russound at (603) 659-5170 for a Return Authorization number. Write the RA number on the shipping label and ship to: Russound, ATTN: Service, 5 Forbes Road, Newmarket NH 03857

Russound sells product 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.

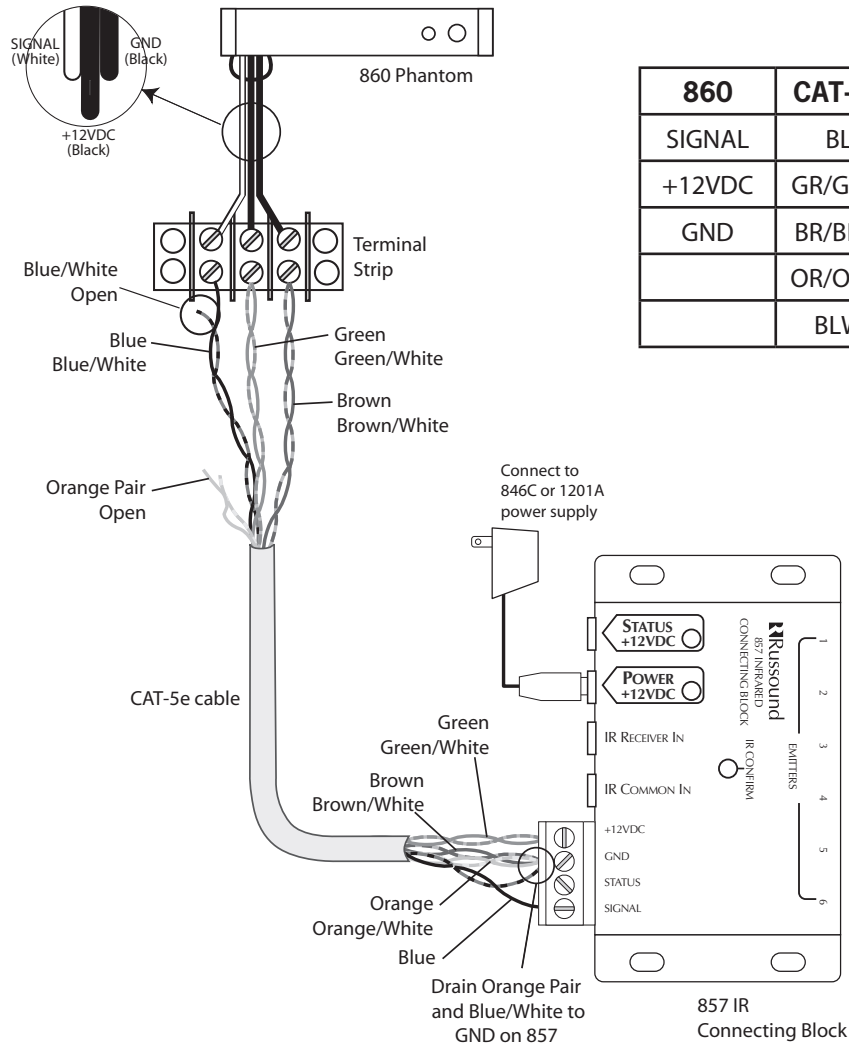
## Wire Connections

### Extended Leads from 860 Phantom to Terminal Strip to Connecting Block

The extended connection between the IR receiver and the connecting block should be made with twisted-pair wiring (i.e., CAT-5e cable). It may be necessary to use shielded twisted-pair wiring if the wiring is exposed to interference from power wiring centers or from broadcast signals (FM, TV, etc.) located nearby.

A terminal strip is included for extending the leads. Determine the cable type needed to suit the local conditions of the installation.

Russound offers both CAT-5e cable (AWCAT5) and shielded twisted-pair cable (AW2260AB) which are suitable for IR installations.



## Specifications

- Receive Frequency Range: 36kHz to 58kHz
- Transmit Frequencies: 40kHz and 56kHz
- Range: On Axis - 55ft to 80ft (16.8 - 24.4m)  
30° Off Axis - 30ft to 55ft (9.1 - 16.8)
- Power: 12VDC 31mA max
- Dimensions: 2.09"W x 0.47"H x 0.375"D  
(53.1 x 11.9 x 9.5mm)
- Mounting Cord Length: 78.74" (200cm)
- Finishes: Black, white