

Data Sheet

SaphIR™ Phantom Infrared Receivers

860, 860P



SaphIR 860 Phantom
CFL friendly

The SaphIR 860 Phantom and 860P Phantom are miniature infrared receivers with a low-profile design for discreet installation almost anywhere. With the 860 available in black or white and the 860P available in black or silver, the surface-mount Phantoms blend unobtrusively with most media cabinets and other surroundings for convenient placement.

Typically used for controlling components hidden in a media cabinet or located in another room, the Phantom accepts commands from a wide variety of IR remote controls and relays them to the equipment through a connecting block and IR emitters. A blue talkback LED provides immediate confirmation upon receiving an IR signal.

Both models feature wideband infrared sensitivity, wide-angle reception, extended pickup range and



SaphIR 860P Phantom
CFL and plasma friendly

excellent rejection of noise from IR sources like compact fluorescent lights. A built-in automatic gain control circuit significantly reduces interference problems for reliable performance.

The SaphIR 860P has an additional optical filter that virtually eliminates interference from plasma TV displays, sunlight, and other sources of IR noise. This model's improved filtering makes it ideal for use in home theater applications where plasma or LCD TVs are used.

Each Phantom model employs Russound's own microcontroller-based IR filtering circuit to block interference and allow seamless control of audio-video components.

Specifications

SaphIR 860 Phantom

- Receive IR frequency range: 36 kHz–58 kHz
- Transmit IR frequencies: 40 kHz and 56 kHz
 - Range on axis: 55–80 feet (16.8–24.4 m)
 - Range 30° off axis: 30–55 feet (9.1–16.8 m)
- Sensitivity adjustment: Automatic gain control
- Interference rejection: CFL
 - Cable length: 6.4 feet (1.96 m)
- Power requirement: 12 VDC 31 mA max
 - Dimensions: 2.09" W x 0.47" H x 0.375" D (53.1 mm x 11.9 mm x 9.5 mm)
- Available finishes: Black, white



SaphIR 860P Phantom

- Receive IR frequency range: 36 kHz–58 kHz
- Transmit IR frequencies: 40 kHz and 56 kHz
 - Range on axis: 30–50 feet (9.1–15.2 m)
 - Range 30° off axis: 5–15 feet (1.5–4.6 m)
- Sensitivity adjustment: Automatic gain control
- Interference rejection: CFL and plasma
 - Cable length: 6.4 feet (1.96 m)
- Power requirement: 12 VDC 31 mA max
 - Dimensions: 2.09" W x 0.47" H x 0.5" D (53.1 mm x 11.9 mm x 12.7 mm)
- Available finishes: Black, silver



Accessories

AW2260AB 4-conductor, 22-gauge, 2-twisted-pair shielded signal cable

SaphIR 857 IR Connecting Block

846C 12 VDC 300 mA power adapter

Limited Warranty

The Russound SaphIR 860 and 860P are 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. 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 under the terms of the 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 improper use 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.

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.

Since 1967, innovation, quality and reliability have been the core of the Russound product tradition. Today, Russound offers everything for enjoying multiroom audio-video in your home. All distributed audio-video solutions are built to high standards and designed with the unique consideration of making products that are a pleasure to live with and enjoy.

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