

## 5.8GHz Wireless A/V Signal Sender



*Thank you for purchasing your A/V Signal Sender from **RadioShack**. Please read this user's guide before installing, setting up, and using your new sender.*



## Package contents

- Transmitter
- IR Extender
- RCA cable (2)
- User's Guide
- Receiver
- AC Adapter (2)
- Quick Start

## Features

- 5.8 Ghz provides clean transmission from room to room (up to 200 ft away).
- Use your existing remote to pause, play, fast forward or control the device you are enjoying.
- Gold connectors are designed to enhance the performance of audio and video components by reducing signal loss and interference.

## ① Install the Transmitter

1. Make sure the transmitter is off, then connect the transmitter to your A/V source (DVD player, TV, or VCR) with the RCA cable. For better picture quality, connect your transmitter to the A/V source with a S-Video cable (not included). If you use the S-Video connection and A/V connection together, the S-Video connection takes priority.
2. Connect the IR extender plug to the transmitter's **REMOTE OUT** jack and place the IR extender in front of the A/V source's IR sensor. To secure the IR extender, remove the tape backing and attach it securely.





### Transmitter



Antenna



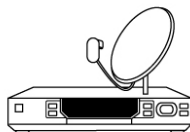
Power Indicat



### IR Extender

Front side pointing at A/V source  
IR sensor within 50 cm  $\pm 15^\circ$ .

Back view of A/V source.



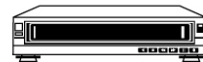
OR



OR



OR



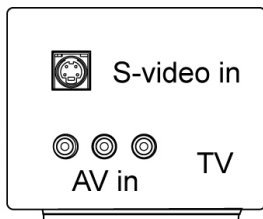
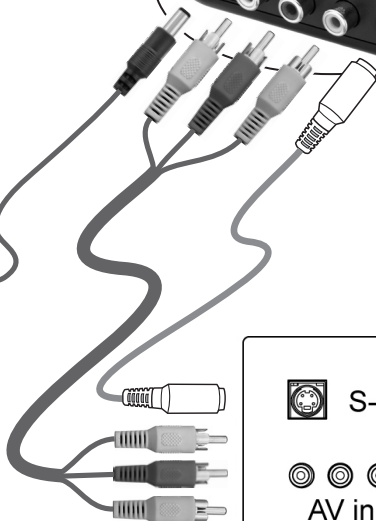




Receiver

Antenna

Power indicator

IR sensor





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3. Connect the supplied AC adapter to the **DC 12V** jack, then plug it into a standard household outlet.
  4. Adjust the flip-up antenna so that **the dotted side** faces the receiver.

## ② Install the Receiver

1. Make sure the receiver is off, then connect the receiver to your TV with the RCA cable.
2. Connect the supplied AC adapter to the **DC 12V** jack, then plug it into a standard household outlet.
3. Adjust the antenna so that **the dotted side** faces the transmitter.



### Notes:

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- *S-Video and Composite Video are interchangeable, but S-Video is usually the dominant input. There will no picture output at the receiver, if your A/V device only has composite video and you connect S-Video cable to the transmitter.*
  - *If you use the S-Video connection on the transmitter, you must also use the S-Video connection on the receiver.*
  - *Make sure the receiver is set a little forward to the top of TV in order to have the best IR performance.*
  - *Turn the dotted side of the transmitter and receiver face to face to obtain the best performance.*
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- *If you hear a popping sound when you place the receiver on top of your TV, move the receiver until the popping sound disappears.*
- *S-Video connectors have a special orientation, when you want to use S-Video connection, carefully handle the connector, and make sure the orientation is correct. Push it gently, otherwise, you will break the connector and connector socket of device.*
- *Be sure the RCA cable's plug colors correspond with the receiver or transmitter and A/V device jacks: white for audio left, red for audio right, yellow for video.*
- *For optimum performance and reception, keep the transmitter and receiver away from wireless LAN access points, microwave ovens, and wireless networks or phones that run on 5.8GHz frequency.*
- *Rotating the antenna on either the receiver or transmitter 360° or more may cause damage.*
- *Unplug the AC adapters from the AC outlet before unplugging it from the transmitter or receiver.*
- *Use the supplied AC adapters only. Using an AC adapter not designed for this product may cause damage.*

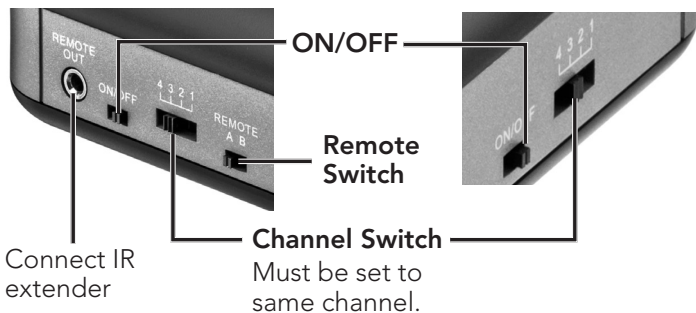



### ③ Use Your A/V Signal Sender

1. Choose one of the 4 channels by sliding the channel switch to set the transmitter and receiver to the same channel.
2. Turn on the transmitter and receiver. The power indicators light red.
3. Turn on the connected A/V source and TV. Point your remote control (not included) at the receiver and make a selection.

Side view of Transmitter

Side view of Receiver



 **Note:** Most A/V devices work on 38kHz. Your transmitter is set to 38kHz by default (indicated by **B** position of the **A/B Remote** switch). If the connected A/V source does not respond to remote control commands, change the setting and try again.



## Further Application

### Use with a VCR, DVD, DSS, Satellite Receiver, or Laser Disc Player connected to a TV

You can record transmitted audio and video on your remote VCR and also enjoy the picture and sound on a remote TV at the same time.

1. Make sure the transmitter and receiver are off, then connect the transmitter to your VCR, DVD, DSS or LDP with the supplied RCA cable. For better picture quality, connect your transmitter to the A/V source with a S-Video cable (not included).
2. Use another cable (not supplied) to connect your VCR, DVD, DSS or LDP and your TV.
3. Connect the receiver to the VCR with the RCA cable. Use another cable (not supplied) to connect your VCR and TV.



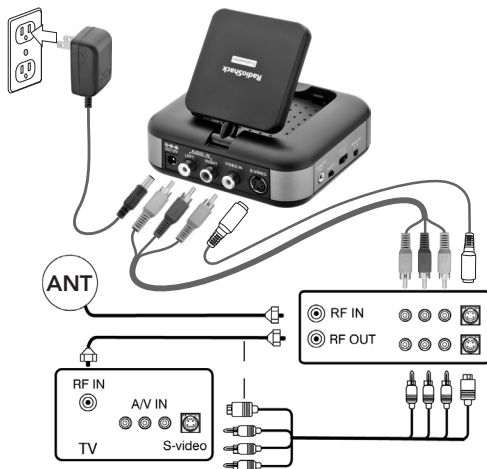
**Note:** *If your TV does not have an A/V in port, use a 75Ω RF coaxial cable from the TV's antenna IN (or VHF/UHF) to your VCR's modulator output.*



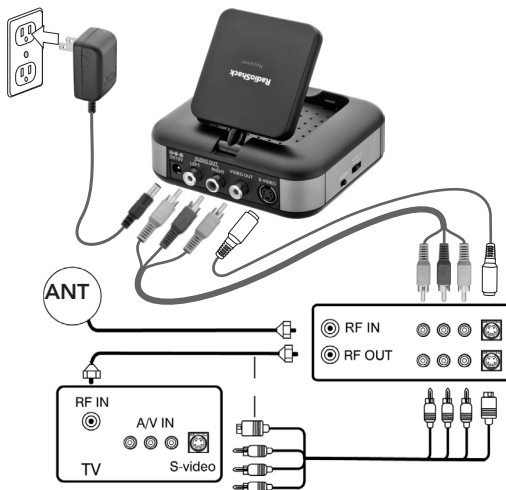


## Recommended TV connection for dual output VCR

### Transmitter





### Receiver





## Troubleshooting

Problem	Possible Solutions
<b>No picture or sound</b>	<ul style="list-style-type: none"><li>• Check the power on/off switches on the Transmitter, Receiver and TV.</li><li>• Make sure the power plug and signal cables are firmly connected.</li><li>• Check if the channel of transmitter and receiver are set to the same channel.</li><li>• Make sure that all cables are connected correctly.</li><li>• <b>Check if there is any discontinuity inside the cable.</b></li><li>• If you use S-Video connection, your TV set must be set to "S-Video" mode.</li></ul>





### Interference and noise

- Not synchronised
  - Screen unlocked
  - Noisy line across the screen
- Adjust receiver antenna direction for optimal performance.
  - Adjust transmitter antenna direction for optimal performance.



**Note:** *Antenna does not rotate 360°. Rotating past the point where resistance is felt will result in permanent damage to the device.*

- Check if the supplied voltage matches the adapter specification.
- Select a different channel by sliding the channel switch on both transmitter and receiver.
- If using a microwave oven, turn it off.
- Remove microwave oven or clear unnecessary obstructions from the path between transmitter and receiver.
- Move transmitter and receiver closer. If the problems remain, please contact your **Radioshack** store for help.





**Remote control extender does not work**

- To ensure good infrared remote control operation, aim your remote control at the IR Sensor on the receiver and press the buttons firmly. ( With some remote controls it may be necessary to press and hold each button for about a second). The working angle of the IR Sensor is +/- 15° and the working distance is no more than 16.4 feet (5m).
- Check the path between the transmitter and receiver and clear unnecessary obstructions.
- Make sure the IR extender is pointing toward the sensor precisely.
- Check the batteries on remote control. Replace with new batteries if necessary .
- The optimum indoor operating range is about 49.2 feet (15m).





## Important Safety Instructions

- *Keep your A/V signal sender dry and clean. If it gets wet or dirty, wipe it dry or clean immediately.*
- *Wipe your A/V signal sender with a damp cloth to keep it looking new.*
- *Use and store your signal sender in room temperature environments only.*
- *Modifying the A/V signal sender's internal components can cause malfunction and might invalidate its warranty. If your A/V signal sender is not performing as it should, take it to your local **RadioShack** store for assistance.*

## Specifications



Power Supply..... 12 V DC/300 mA  
 Weight (Transmitter/Receiver).....7 oz (200 g)  
 Dimensions (Transmitter/Receiver).....  
 ..... 4.7 × 3.9 × 1.7 Inch (12 × 10 × 4.3 cm) (HWD)



### Transmitter

Modulation Type (Video and Audio).....FM  
 Operating Frequency ..... 5790, 5828, 5847, 5866 MHz  
 Output Level.....  
 ..... 0 - 10 dBm micro-v/m@3 m (complies with CE)  
 Input Level.....1.0 Vpp (Audio), 1.0 Vpp (Video)  
 S-Video Input Level .....Y:1 Vpp, C:288 mV  
 Input Impedance..... ..2K Ohm (Audio), 75 Ohm (Video)  
 Effective Operating Range .....  
 ..... Approx. 200 ft (60.96m) (clear line of sight)





## Receiver

Output Level.....  
 .....  $1 \pm 0.2 V_{pp}$  (Audio),  $1 \pm 0.2 V_{pp}$  (Video)  
 S-Video Output Level.....  
 ..... Y:  $1 V_{pp} \pm 0.2 V_{pp}$ , C:  $228 mV \pm 20\%$

## IR Extender

Output Level..... ..0 - 10 dBm  
 Operating Frequency..... ..433.92 MHz  
 Modulation Type..... ..AM  
 Effective Operating Range... ..  
 ..... Approx. 100 ft (30.48 m) (clear line of sight)  
 Receiving Sensitivity..... ..<-80 dBm

Specifications are subject to change and improvement without notice.  
 Actual product may vary from the images found in this document.



## FCC Information



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local **RadioShack** store or an experienced radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your equipment. Changes or modifications not expressly approved by **RadioShack** may cause interference and void the user's authority to operate the equipment.





This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

## Limited Warranty

**RadioShack** warrants this product against defects in materials and workmanship under normal use by the original purchaser for **ninety (90) days** after the date of purchase from a **RadioShack**-owned store or an authorized **RadioShack** franchisee or dealer. **RADIOSHACK** MAKES NO OTHER EXPRESS WARRANTIES.

This warranty does not cover: (a) damage or failure caused by or attributable to abuse, misuse, failure to follow instructions, improper installation or maintenance, alteration, accident, Acts of God (such as floods or lightning), or excess voltage or current; (b) improper or incorrectly performed repairs by persons who are not a **RadioShack** Authorized Service Facility; (c) consumables such as fuses or batteries; (d) ordinary wear and tear or cosmetic damage; (e) transportation, shipping or insurance costs; (f) costs of product removal, installation, set-up service, adjustment or reinstallation; and (g) claims by persons other than the original purchaser.

Should a problem occur that is covered by this warranty, take the product and the **RadioShack** sales receipt as proof of purchase date to any **RadioShack** store in the U.S. **RadioShack** will, at its option, unless otherwise provided by law: (a) repair the product without charge for parts and labor; (b) replace the product with the same or a comparable product; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of **RadioShack**. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

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**RadioShack** Customer Relations, 300 RadioShack Circle, Fort Worth, TX 76102  
04/08

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