



UNIVERSAL WIRELESS SUBWOOFER KIT

RF-WSW312

USER GUIDE

Before using your new product, please read these instructions to prevent any damage.

RF-WSW312

Universal Wireless Subwoofer Kit

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Introduction

This manual explains how to correctly install, operate, and get the best performance from your Rocketfish RF-WSW312 Universal Wireless Subwoofer Kit. Read this user guide carefully before installing your system, then keep it near your system for quick reference.

Your RF-WSW312 Universal Wireless Subwoofer Kit uses a wireless communication system to transmit high fidelity audio to a subwoofer, providing superior level audio quality and resistance to interference.



The system is compatible with typical audio/video Receivers and subwoofers.

Safety information



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.

- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional safety information

- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids should be placed on the apparatus.
- The AC power plug or an appliance coupler is used as the disconnect device. This disconnect device should remain readily operable.
- Read the Rating Labels on the bottom of the Wireless Sender and Wireless Receiver for power input and other safety information.

Features

- Wireless Sender and Wireless Receiver
- Transmits high quality audio over a radio frequency communication link
- Compact size
- Hidden antennas

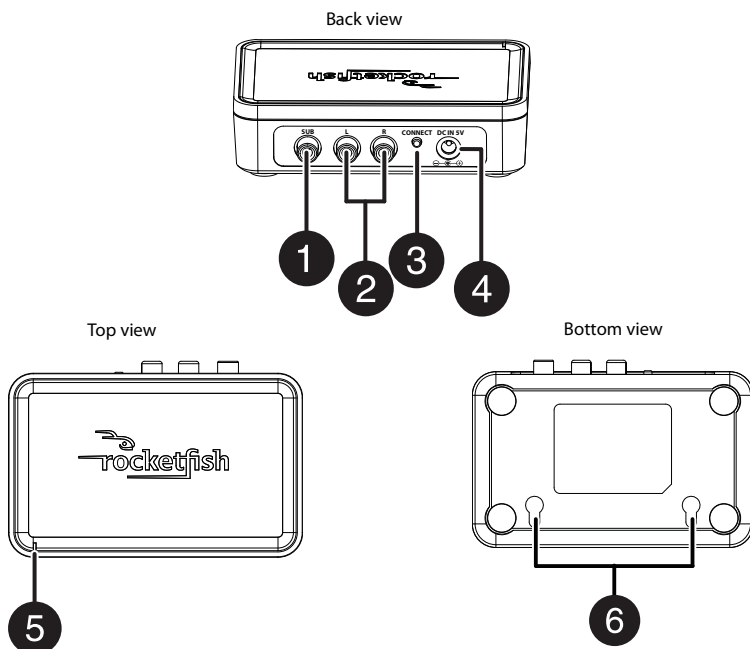
Package contents

Examine the contents of the box for your RF-WSW312 Universal Wireless Subwoofer Kit. The box should contain:

- Wireless Sender
- Wireless Receiver
- AC power adapters (2)
- Subwoofer RCA cables (2)
- User Guide

Wireless Sender

The Wireless Sender transmits audio signals to the Wireless Receiver.

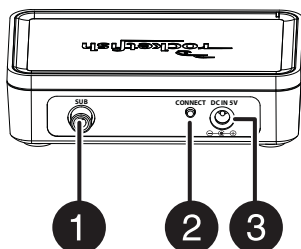


#	Feature
1	Subwoofer In RCA jack
2	Line In RCA jack
3	Connect (pairing) button
4	DC IN jack
5	Power indicator LED
6	Hanging holes for wall mounting the Sender

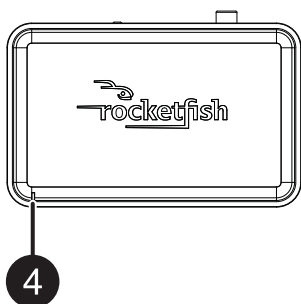
Wireless Receiver

The Wireless Receiver unit receives audio signals from the Wireless Sender.

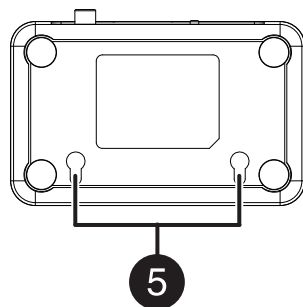
Back view



Top view

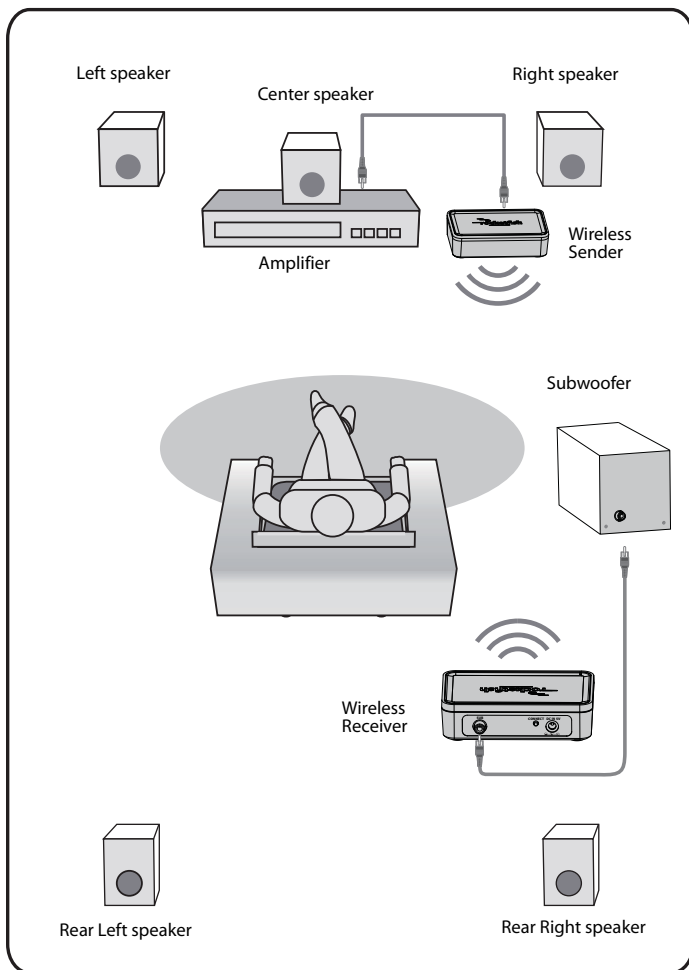


Bottom view



#	Feature
1	Subwoofer Out RCA jack
2	Connect (pairing) button
3	DC IN jack
4	Power indicator LED
5	Hanging holes for wall mounting the Receiver

Setting up your subwoofer kit

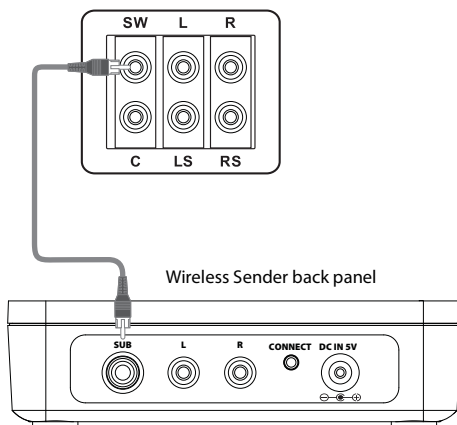


Connecting the Wireless Sender

Option 1: Home theater receiver with a Sub Out jack

Most home theater receivers have a subwoofer output jack. For that type of receiver, use this option.

- Connect the Subwoofer RCA cable (provided) to the Subwoofer Out RCA jack on your home theater receiver and to the Wireless Sender's SUB IN RCA jack.

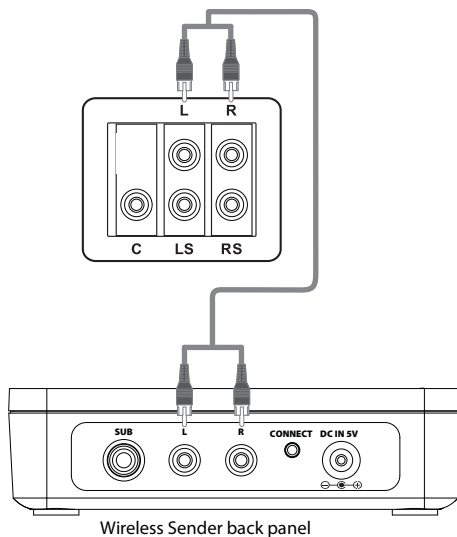


-OR-

Option 2: Audio source with L/R Line Out jacks

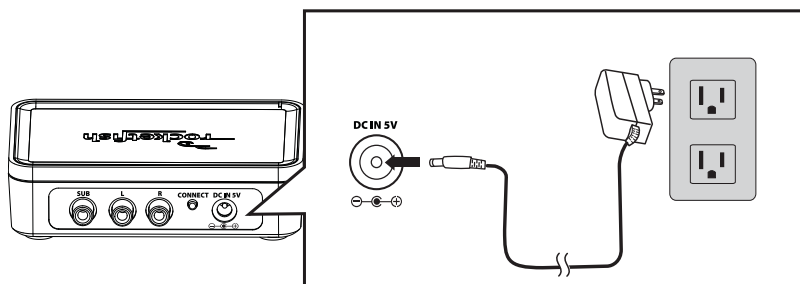
If your audio receiver does not have a subwoofer output jack, use this option.

- Connect an RCA stereo audio cable (not included) to the stereo output jack of your audio receiver and to the Wireless Sender's Line In RCA jacks.



To connect the Wireless Sender to an AC power outlet

- Plug the AC power adapter into a power outlet, then plug it into the DC IN jack on the Wireless Sender.



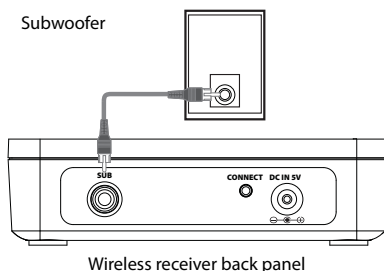
Note: The AC power adapter can be connected to the SWITCHED AC outlet of your home theater receiver. If you connect it to the SWITCHED AC outlet of your home theater receiver, each time you turn your home theater receiver On or Off, the Wireless Sender is also turned On or Off.

Caution: To avoid risk of fire, and to prevent damage, only use the AC adapter supplied with your universal wireless subwoofer kit.

Connecting the Wireless Receiver

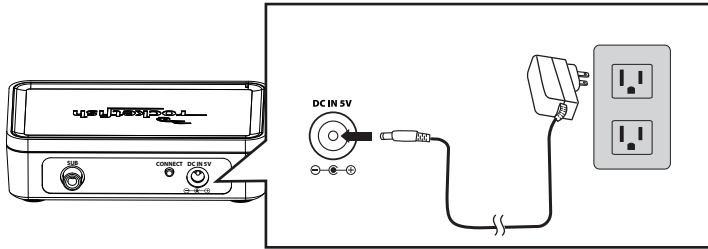
To connect the subwoofer to the Wireless Receiver:

- Connect the Subwoofer RCA cable (provided) to the Wireless Receiver SUB OUT RCA jack and to the subwoofer input RCA jack.



To connect the Wireless Receiver to an AC power outlet

- Plug the AC power adapter into a power outlet, then plug it into the DC IN jack on the Wireless Receiver.



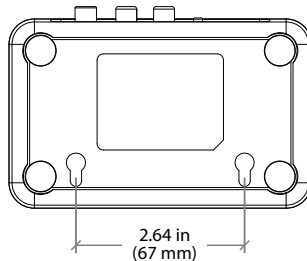
Caution: To avoid risk of fire, and to prevent damage, only use the AC adapter supplied with your universal wireless subwoofer kit.

Placing the Wireless Sender and Wireless Receiver

The Wireless Sender and Wireless Receiver must be separated by at least 12 inches and be within 45 feet of each other to function properly.

Wall mounting the Wireless Sender and Wireless Receiver (optional)

The hanging holes for wall mounting both the Wireless Sender and Wireless Receiver are 2.64 inches (67 mm) apart.



Using your subwoofer kit

Pairing the Wireless Sender and Wireless Receiver:

Note: The Wireless Sender and Wireless Receiver are pre-paired at the factory.

- **Auto pairing**

- When the Wireless Sender and Wireless Receiver are plugged in, the system enters automatic pairing mode, and the LED indicator turns solid blue.

- **Manual pairing**

Note: This is only required if the units did not auto-pair.

- 1 Wireless Sender - Press and hold the pairing button for more than two seconds, then release it. The Wireless Sender enters pairing mode.
- 2 Wireless Receiver - Press and hold the pairing button for more than two seconds, then release it. The Wireless Receiver enters pairing mode.

The Wireless Sender and Wireless Receiver will be paired within 10 seconds and will reconnect automatically if turned off and on.

- **Standby mode**

- The system will go into standby mode if no audio input signal is detected for more than 20 minutes. The LED indicators on the Wireless Sender and Wireless Receiver turn from blue to red.

- **Input signal auto selection**

- On the Wireless Receiver, the subwoofer input signal is always used when available. When the subwoofer input signal is unavailable for 15 seconds, and stereo input is available, the stereo input will be used.

To listen to the subwoofer audio:

- 1 Power on the system. Make sure that the Wireless Sender and Wireless Receiver are paired.
- 2 Turn on your amplifier, then play the audio or video source through your amplifier.

Troubleshooting

Please read this User Guide carefully before using your universal wireless subwoofer kit. Check this list for a possible troubleshooting solution before calling for service.

Problem	Solution
No sound	<ul style="list-style-type: none"> Make sure that the AC adapters are connected to the Wireless Sender and the Wireless Receiver. Make sure that all of the cables are connected correctly. Check to see if the LEDs light up on the front of both the Wireless Sender and Wireless Receiver units. If the LEDs are lit solid blue, the communication is working correctly and audio connecting wires and the amplifier operation should be checked. If the LEDs are flashing, refer to the "No communication between the Wireless Sender and Wireless Receiver" section below.
Sound interference	<ul style="list-style-type: none"> Move the Wireless Sender and Wireless Receiver slowly to find the best reception position for your system. Shorten the distance between your Wireless Sender and Wireless Receiver. The maximum distance is 45 feet. Check to determine if there are any obvious radio frequency interference sources near your system.
No communication between the Wireless Sender and Wireless Receiver	<ul style="list-style-type: none"> Make sure that the power cables are connected correctly. When the Wireless Sender and Wireless Receiver are connected to power, the front panel LEDs should light. If they are solid blue, a communication link has been successfully established between the units. If they are flashing on one or both units, press and hold the CONNECT button on either the Wireless Sender or Wireless Receiver for two seconds. This will put the unit into the "connection mode" for about 30 seconds. During this period the CONNECT button on the other unit must also be pressed for two seconds so that it will also enter "connection mode." The system proceeds with the connection process between the Wireless Sender and Wireless Receiver. While in "connection mode," the LED indicators blink at a faster rate. When an active link is established between the Wireless Sender and Wireless Receiver, the LED indicators will be solid blue and will not blink.

Specifications

Wireless Sender

Audio Input	• Maximum audio input signal: 2 V RMS
Audio Output: Wireless	• 16-bit, 48 KHz uncompressed
Supply voltage	• 5V

Wireless Receiver

Audio Input: Wireless	• 16-bit, 48 KHz, uncompressed
Audio Output	<ul style="list-style-type: none"> • Output Level: 2V RMS • Total Harmonic Distortion: $\leq 0.5\%$ • Signal to Noise: 90dB
Power Supply	• 5V

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product 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.

This equipment has been tested and found to comply within 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 the dealer or an experienced technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

This device complies with Industry license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

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For service and support call (800) 620-2790

One-Year Limited Warranty-Rocketfish

Definitions:

The Distributor* of Rocketfish branded products warrants to you, the original purchaser of this new Rocketfish-branded product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at www.bestbuy.com or www.bestbuy.ca, and is packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Rocketfish repair center or store personnel, Rocketfish will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Rocketfish and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Rocketfish Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location, please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy online web site (www.bestbuy.com or www.bestbuy.ca), mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY. Call agents may diagnose and correct the issue over the phone.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the county where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Rocketfish to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

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Contact Rocketfish:

For customer service please call 1-800-620-2790

www.rocketfishproducts.com

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