



# Wireless Sender / Receiver

**RF-RBAUX**

**User Guide**



# Wireless Transceiver

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## **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 a 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 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.



- 15 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.
- 16 To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.
- 17 The wall plug is the disconnecting device. The plug must remain readily operable.
- 18 Batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

**Caution:** *Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.*

## Introduction

Congratulations on your purchase of a Rocketfish Wireless Transceiver that uses a proprietary 2.4 GHz wireless communication technology. The transceiver can be regarded as a stereo transmitter or a line-level stereo audio receiver. The transceiver is compatible with many advanced audio systems currently on the market. By using a single or multiple transceivers, you can expand a Rocketboost wireless audio network in multiple remote zones.

Without the hassle of custom installation, the transceiver offers quick setup and total audio entertainment, without having to hide speaker wires.



## Features

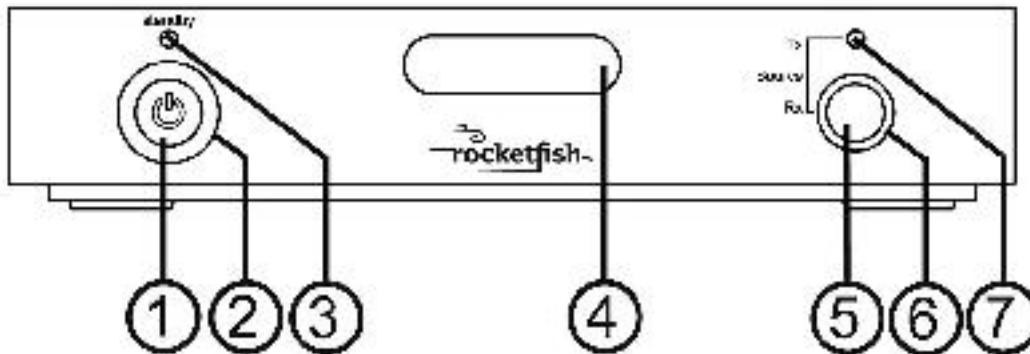
- 2.4 GHz unlicensed band operation
- Up to 50 meters unobstructed operating range with no signal delay and interference
- Wireless audio transmission operation
- Stereo sound effect
- Input/Output jack sense function
- Up to 8 rooms audio entertainment

## Package contents

Examine the contents of the box for your wireless transceiver. The box should contain:

- Wireless transceiver
- Rocketboost IR remote control
- DC adapter
- *User Guide*
- 3.5 Stereo-2 RCA Cable (3.3 feet)

## Front panel



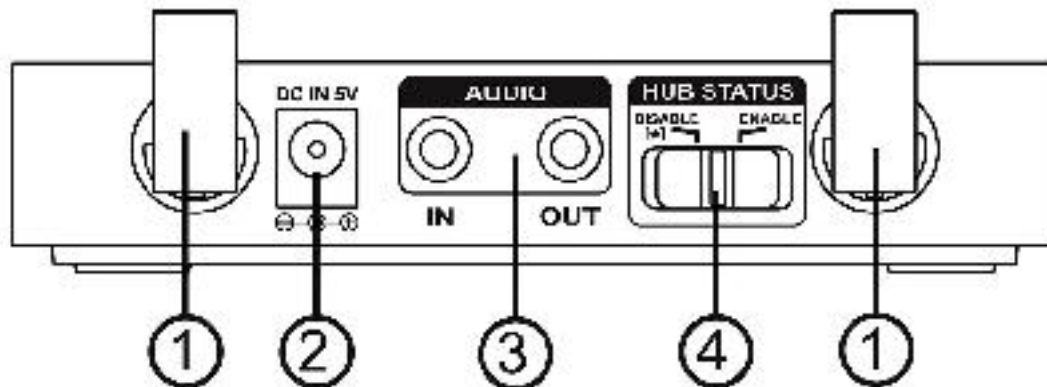
#	Feature	
1	Power/Pair button	Press to turn the transceiver on and press to initiate pairing.
2	Power/Pair indicator	Turns blue when (Please provide information) Turns green when (Please provide information)
3	Standby LED	Turns red when transceiver is in standby mode.
4	IR sensor window	Receives the signal from the remote control.
5	TX/RX source/sleep button	Press to (Please provide information) Press to go to sleep mode.





#	Feature	
6	Receiver-mode LED	Turns blue when receiving signals
7	Sender-mode LED	Turns blue when sending signals

## Back panel



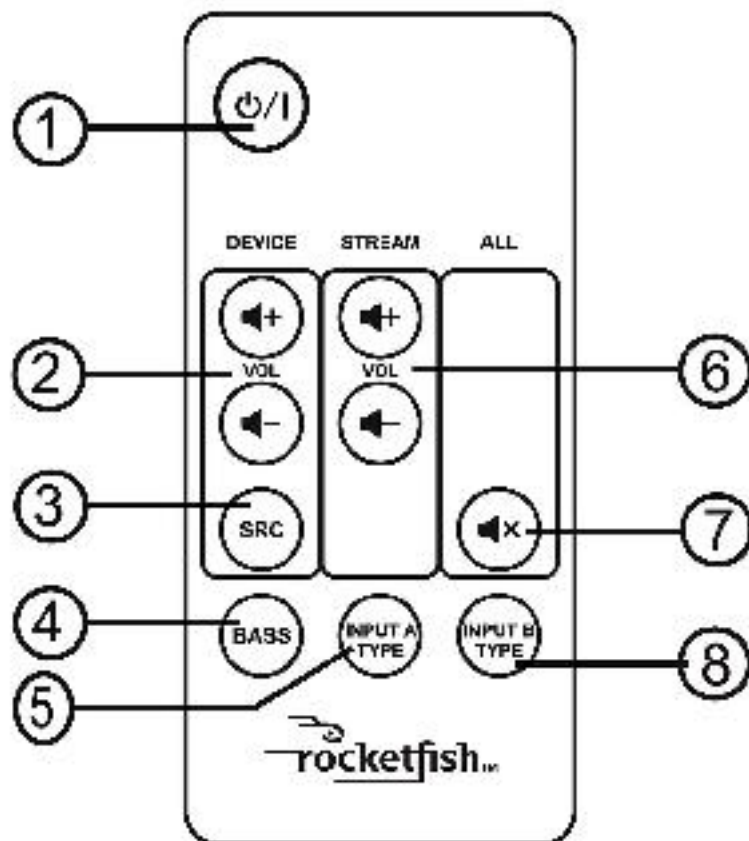
#	Feature	
1	External antenna	Receives signals from external transmitters. Sends signals to external receivers.
2	DC IN jack	Plug the AC adapter into this jack.






#	Feature	
3	AUDIO IN/OUT jacks	When used as a transmitter, plug an external audio source into the AUDIO IN jack. When used as a receiver, plug your speaker system into the AUDIO OUT jack.
4	Hub status switch	Enables/disables the hub. (Please explain)



## Remote control



#	Feature	
1	Power/Standby/On button	Press to turn the transceiver on. Press again to go to standby.
2	Volume  /  buttons (device)	Press to adjust the volume of the speaker system when the unit is used as a receiver.

#	Feature	
3	<b>SRC</b> button (device)	Press to enable sender capability.
4	<b>BASS</b> button	Press to enhance bass frequency response.
5	<b>INPUT A TYPE</b>	Press to select the audio source when the unit is used as a receiver.
6	Volume  +/  - buttons (stream)	Press to adjust the volume of all devices when the unit is used as a transmitter.
7	 × (mute - all)	Press to mute all devices.
8	<b>INPUT B TYPE</b>	Press to select the audio source when the unit is used as a receiver.

## Setting up your wireless transceiver

When the transceiver is connected to a power outlet, and an audio source is attached to its 3.5mm AUDIO IN jack, it can be sensed automatically and used as a stereo transmitter. When the transceiver is connected to a power outlet, and a speaker

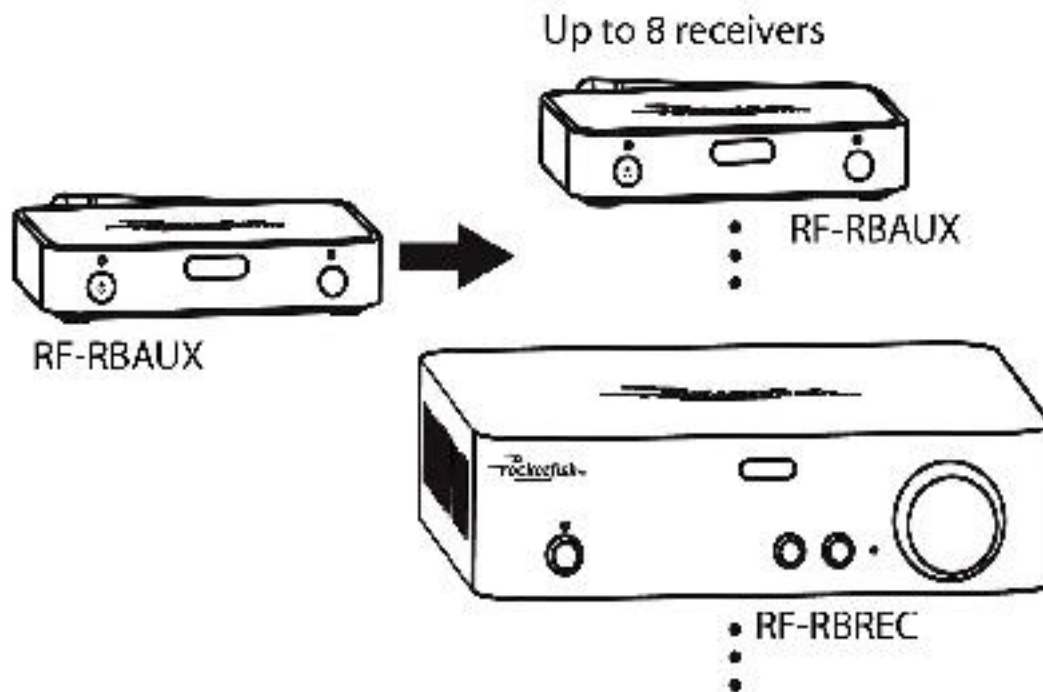


system is attached to the AUDIO OUT jack, it also can be sensed automatically and used as a stereo receiver.

A few configurations are shown here to provide ideas for your own use:

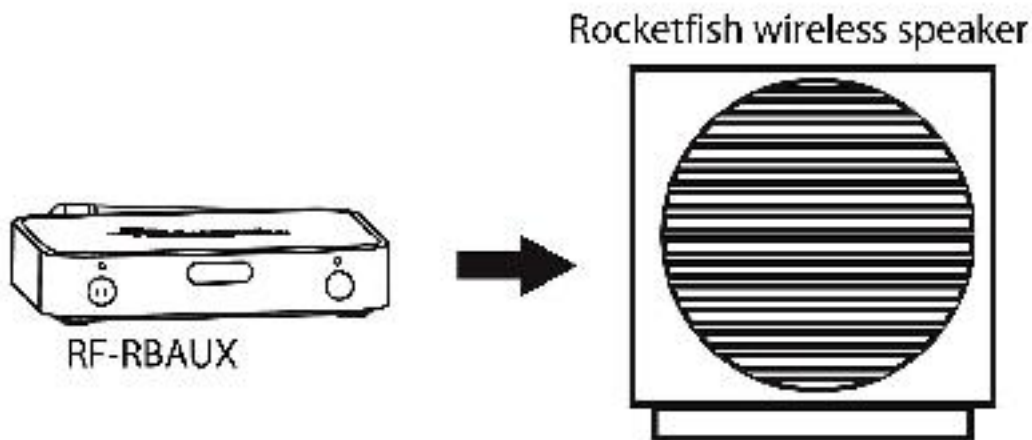
### Using as a transmitter

Establishing the link with one or multiple units of Rocketfish RF-RBAUX and/or Rocketfish RF-RBREC multi-room receivers.



Up to 8 receivers (including Rocketfish RF-RBAUX and RF-RBREC) can be paired with a single unit, simultaneously.

Establishing a link with a Rocketfish indoor/outdoor wireless receiver-capable speaker.



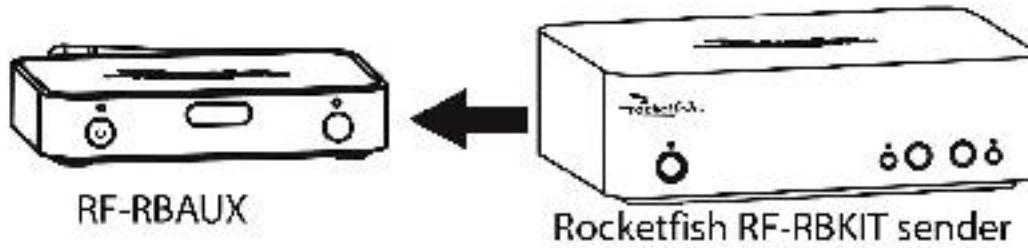
### Using as a receiver

Establishing a link with a Rocketfish RF-RBAUX.





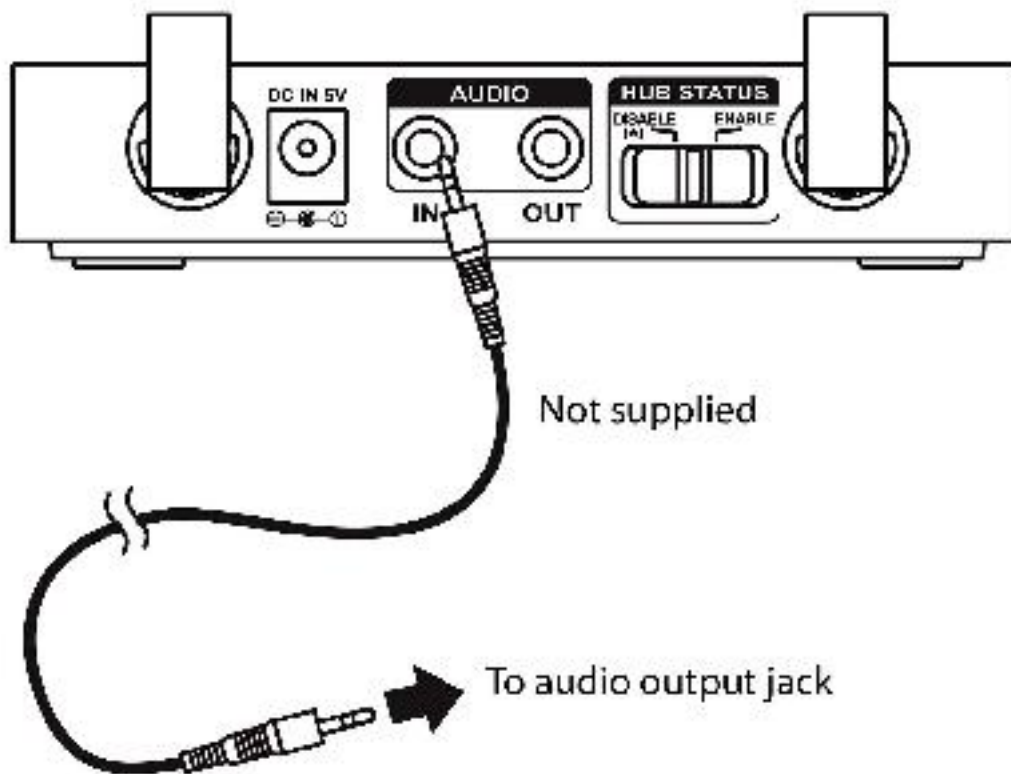
Establishing a link with the sender of  
Rocketfish RF-RBKIT wireless kit.



## Connecting your wireless transceiver

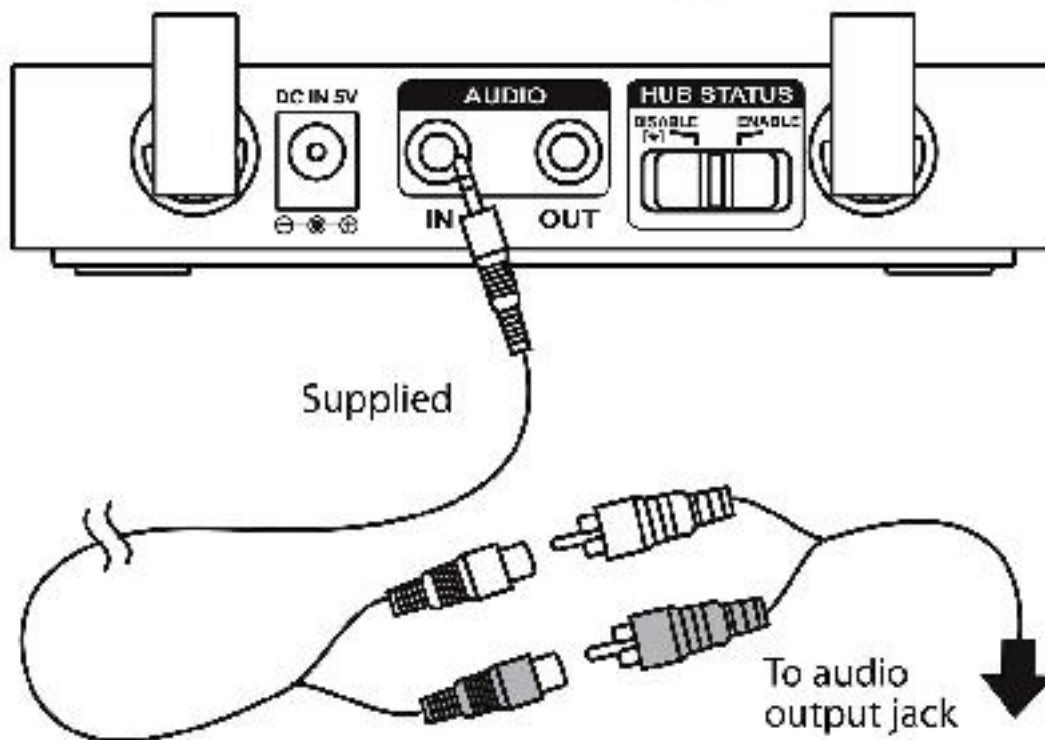
### When used as a wireless transmitter

- Using the supplied audio cable, connect the AUDIO IN jack of the transceiver to the AUDIO OUTPUT jack of your audio device (such as an A/V receiver, PC, or iPod®).



OR





### **When used as a wireless receiver**

- Using an audio cable, connect the AUDIO OUT jack of the transceiver to the AUDIO INPUT jack of your speaker system.

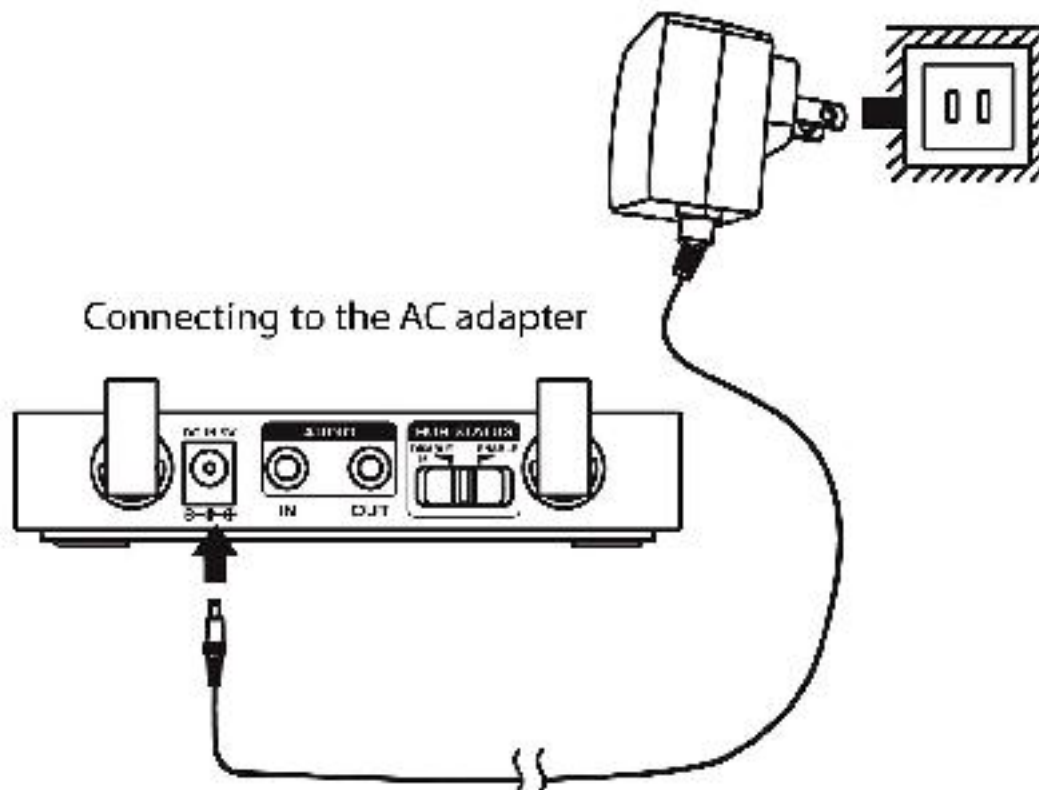
### **Connect the adapter to a power outlet**

*Notes: Make sure that the power outlet matches the transceiver's AC's input (100-240V) before connecting.*

*Connect the AC adapter to a power outlet only after all other connections are completed.*

**To connect the power:**

- Connect one end of the adapter to the DC IN jack of the transceiver, and then plug the other end into a power outlet. The standby indicator on the transceiver lights red.



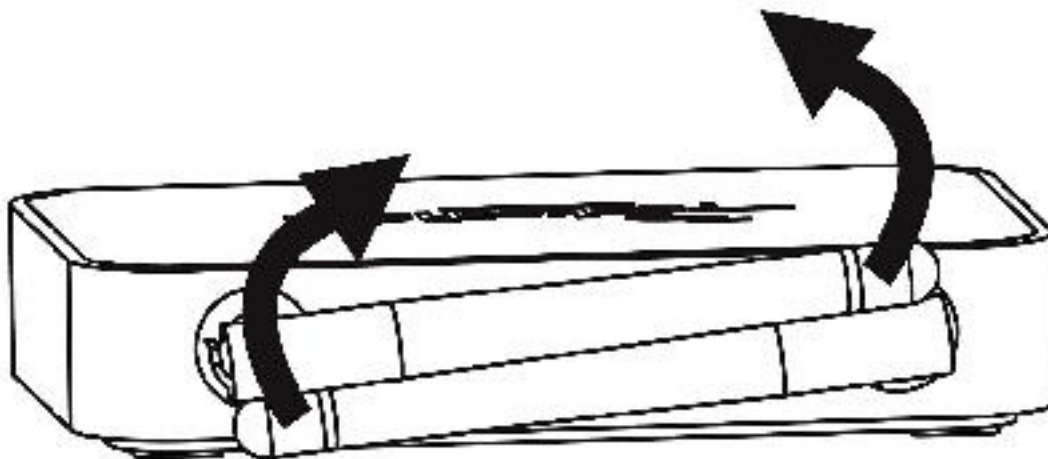


## Adjusting the antennas

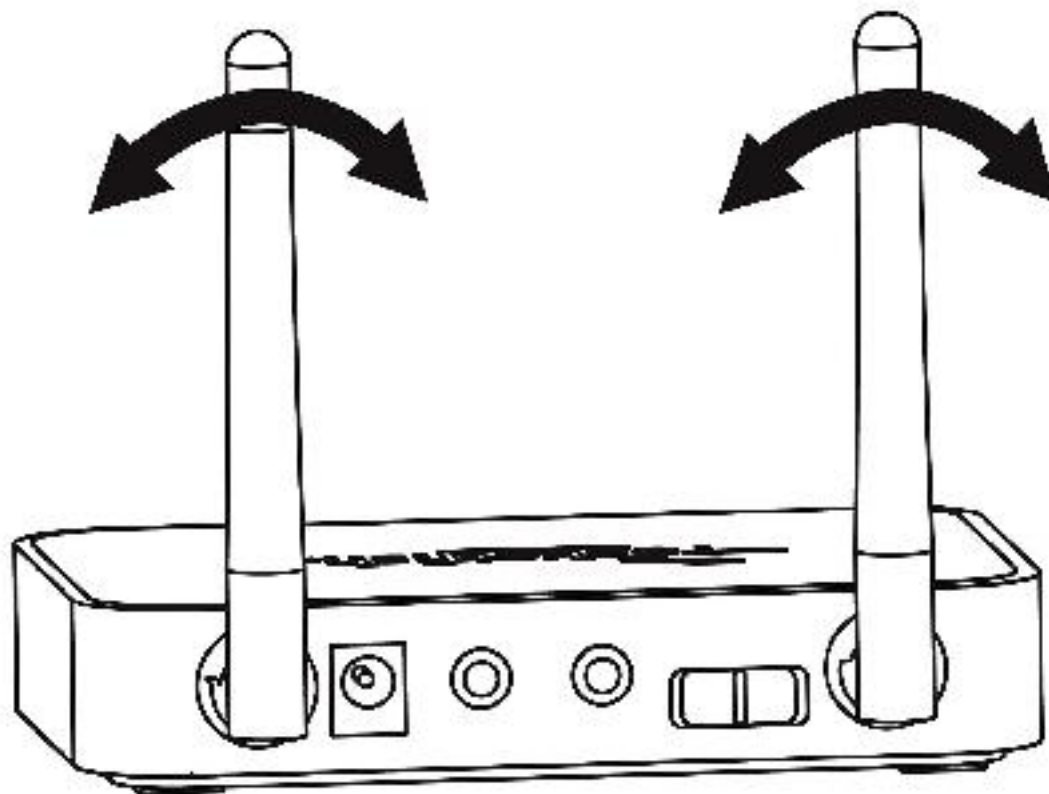
Adjust the two external antennas as far away from the AC adapter, a TV, or other radiation source as possible.

### *To adjust the antennas:*

- 1 Pull the antennas up from their stored position.



2 Adjust the antennas for best reception.



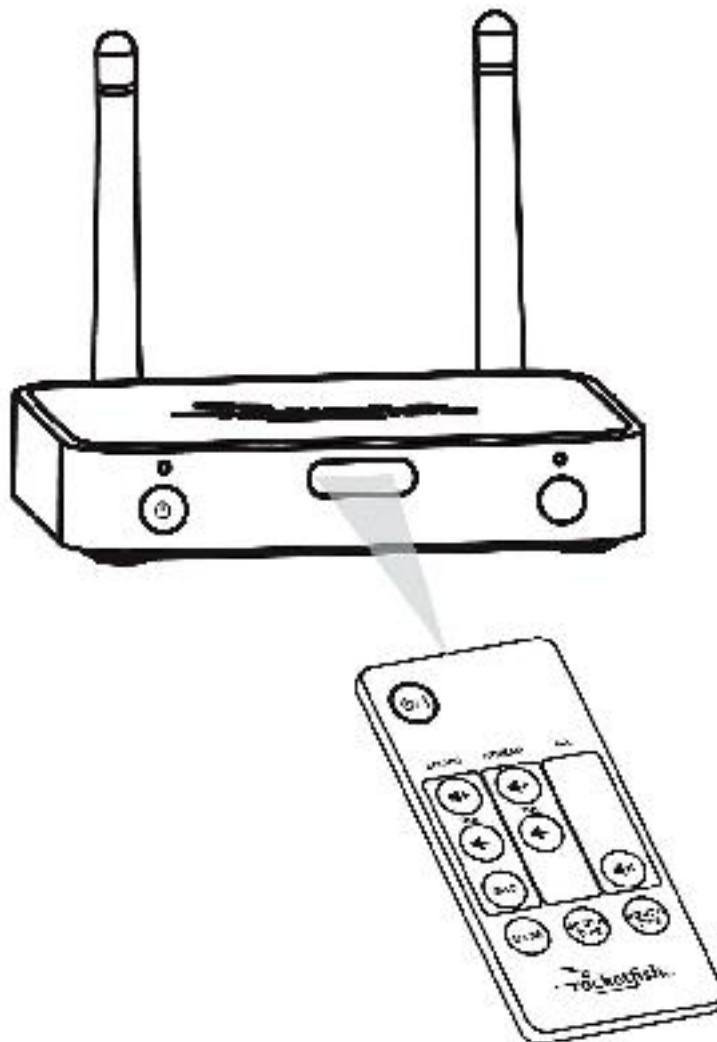
## Setting up your remote control

### *To set up your remote control:*

- 1 Remove the insulation sheet before using the remote control for the first time.

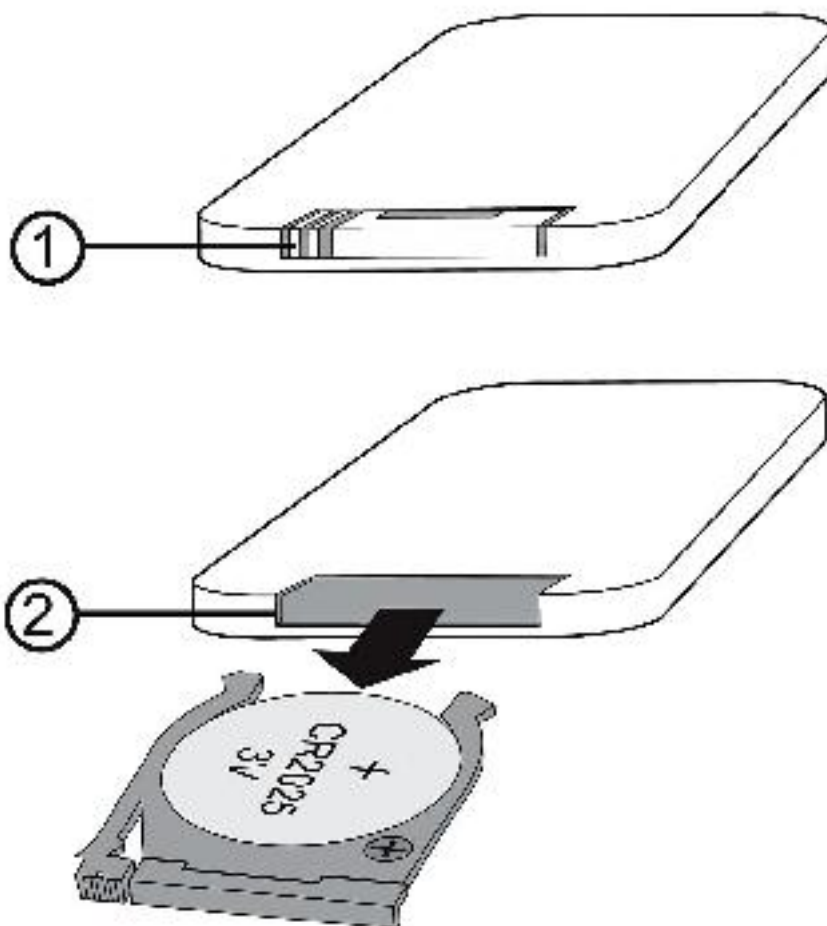


- 2 Aim the remote control at the IR sensor on the front lens from a maximum distance of 23 ft. (7 m) away and the maximum angle of +/- 30 degrees from the center line.



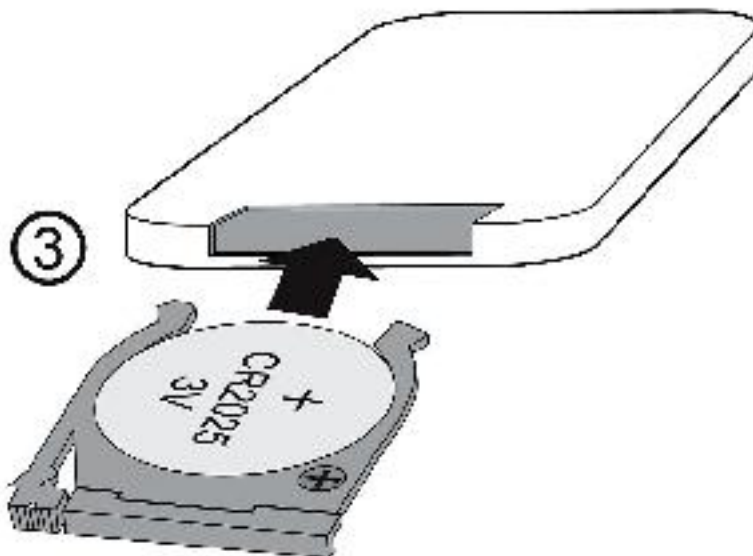
***To change the battery:***

- 1 Squeeze and pull to release the battery tray. You can remove the battery door with your fingernails by using the spaces set back in the remote control.





- 2 Match the polarity on the lithium cell with a plus sign (+) on the battery tray.



- 3 Slide the tray with the new battery into the battery compartment until it clicks into place.

### Using the remote control

- To avoid possible failure, read the following instructions and handle the remote control properly.
- Do not drop or jar the remote control.
- Do not spill water or any liquid on the remote control.

- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.

*Caution: Danger of explosion if battery is incorrectly replaced.*



*Replace only with the same or equivalent type of battery.*

*Note: Remove the battery from the remote control when it is not to be used for a long period. Otherwise it might be damaged due to battery leakage.*

## Using your wireless transceiver

### Turning the transceiver on and off

***To turn the transceiver on and off:***

- 1 Press the  button on the transceiver to turn it on. The power LED turns on and the standby LED turns off.
- 2 Press the  button on the transceiver again to turn it off. The power LED turns off and the standby LED turns red.







Remove the AC adapter from the wall outlet to power off the transceiver completely.

**Note:** *The transceiver has its own memory. Once the transceiver and your devices are paired once, they will remember each other and pair automatically when the transceiver and your devices are powered on again.*

## Establishing communication

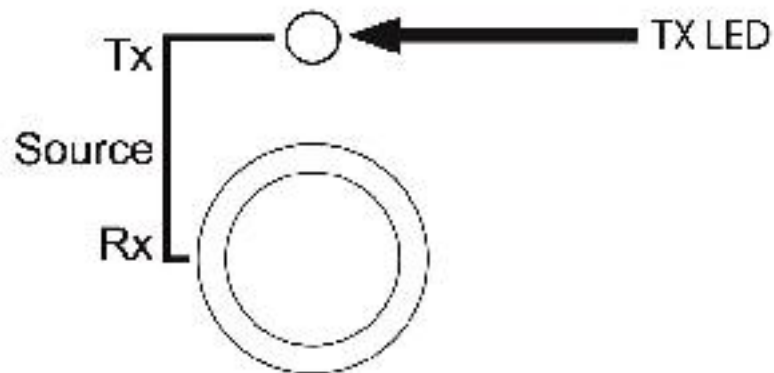
### *To use the unit as a transmitter:*

- 1 Set the **HUB STATUS** switch to **ENABLE** if the transceiver is deployed as a network hub.
  - The power-on indicator LED lights green when the **HUB STATUS** switch is set to **ENABLE**.
  - The power-on LED lights blue when the **HUB STATUS** switch is set to **DISABLE** [\*].
- 2 Press and hold the  button on the transceiver for more than three seconds to put it into pairing mode (for 30 seconds).

- 
- The power-on LED starts blinking rapidly.
  - The power-on LED lights steadily if the link is activated between both of the units.
  - The power-on LED blinks at a slower rate if the communication link is not successful.
- 3 Press the **Connect/Link** button (**Note: There is no Connect/Link button. Is this the Power/Pair button?**) on your receiver for more than three seconds so the sender or receiver will enter connection mode.
  - 4 Press the **SOURCE** button on the transceiver.
    - The TX LED lights.




- The TX LED does not light if the link is not successful.



***To pair the transceiver with multiple receivers:***

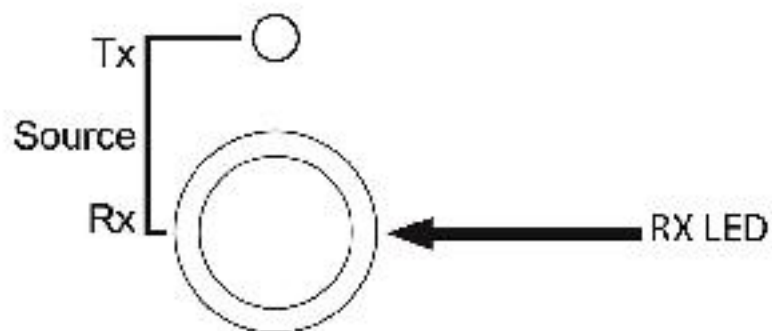
- 1 Press and hold the Pair buttons on the transceiver and one of the receivers for more than three seconds. When the "Pair" indicators on the transceiver and your receivers light solid blue/green, the link is established successfully.
- 2 Repeat for additional receivers.

***To use the transceiver as a receiver:***

- 1 Press and hold the  button on the transceiver for more than three seconds to put it into pairing mode (for 30 seconds).
  - The power-on LED starts blinking rapidly.
  - The power-on LED lights steadily if the link is activated between both of the units.
  - The power-on LED blinks at a slower rate if the communication link is not successful.
- 2 Press the **Connect/Link** button (**Note: There is no Connect/Link button. Is this the Power/Pair button?**) on your receiver for more than three seconds so the sender or receiver will enter connection mode.
  - The RX LED lights steadily if the link is activated between both of the units.



- The RX LED does not light if the communication link is not successful.



## Listening to music

### *To listen to music:*

- 1 Turn on the transceiver and the audio device. Make sure that there is an active link between the transceiver and the audio device.
- 2 Turn on the audio source and your speaker system.
- 3 Adjust the volume level on your speaker system.

## Going to sleep mode

### *To go to sleep mode:*

- Press the **SOURCE** button on the transceiver to put its receiver(s) or the transceiver itself into sleep mode. All the “source/link” indicators on the receiver(s) or the transceiver turn off.

**Note:** *Press the “source/link” button (Note: is this the TX/RX Source/Sleep button?) on the transceiver to activate the links again.*



## Troubleshooting

Check this list for a possible solution before calling for service.

Problem	Solution
No Sound	<ul style="list-style-type: none"> <li>• Make sure that all of the cables are connected correctly.</li> <li>• Make sure that the audio source (at the unit or your sender) is present.</li> <li>• Make sure that the transceiver is not muted. (The source TX/RX indicator is blinking when it is muted.)</li> <li>• Make sure that the unit or your receiver's output is connected to the speaker system, which is powered on and working.</li> </ul>
No communication between the unit and your device	<ul style="list-style-type: none"> <li>• Make sure that the Hub Status switch on the transceiver is set correctly.</li> <li>• Make sure that the power LEDs on the transceiver and other devices light solid blue/green. If the power LEDs blink slowly after blinking for 30 seconds, it means there is no active link between the devices. Unplug the AC adapters, then plug them back in and try to establish the link again. For the information, see "Establishing communication" on page 25.</li> </ul>

## Specifications

<b>Power supply</b>	5 V, 500 mA
<b>Maximum line-level input signal level</b>	2.0 Vrms
<b>Maximum line-level output signal level</b>	1.0 Vrms
<b>Output loading</b>	10 Kohm
<b>Signal-to-noise ratio</b>	90 dB
<b>Dimensions (WxHxD)</b>	4.72 x 3.15 x 0.91 inches (120 x 80 x 23 mm)
<b>Weight</b>	4.1 oz. (116 g)






## 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.



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For service and support call (800) 620-2790.



## One-year limited warranty

Rocketfish Products ("Rocketfish") warrants to you, the original purchaser of this new **RF-RBAUX** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for one (1) year from the purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Rocketfish brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Rocketfish during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

### **How long does the coverage last?**

The Warranty Period lasts for one year (365 days), beginning on the date you purchased the Product. The 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 and 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 retail store location, take your original receipt and the Product to the store you purchased it from. 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 an online web site, 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.

### **Where is the warranty valid?**

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.



## **What does the warranty not cover?**

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Rocketfish to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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Contact Rocketfish:

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

[www.rocketfishproducts.com](http://www.rocketfishproducts.com)

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09-0399  
ENGLISH

## Report for: D2 Projects: RF-RBAUX\_09-0399\_MAN\_V1\_r1.pdf

**Project:** D2 Projects

**Element:** RF-RBAUX\_09-0399\_MAN\_V1\_r1.pdf

**Location:** /D2 Projects

### Task Info

---

**Task name:** RF-RBAUX\_09-0399\_MAN\_V1

**Creation date:** 6/4/2009 3:08:35 PM

**Creator:** Liz Roscovius

**Description:** R1: please see questions in red ~

**Overall status:** Not started

**Auto task:** No

**Color target:**

**Last change date:** 6/5/2009 4:28:33 PM

**Due date:** 6/9/2009 12:00:00 AM

### User Status

---

**Liz Roscovius (Liz.Roscovius@d2ww.com):** Not started

**Michelle Rose (michelle.rose@bestbuy.com):** Not started

**Jean Wang (jean.wang@bestbuy.com):** Not started

**Beautiful kkyam (kkyam@beautiful.com.hk):** Not started

**Dan Sanem (Dan.Sanem@d2ww.com):** Not started

**Fiona Zhou (fiona.zhou@bestbuy.com):** Not started

**Beautiful mfwong (mfwong@beautiful.com.hk):** Not started

**Nancy Gezella (nancy.gezella@bestbuy.com):** Not started

### Annotation Info

---

None

### Chat

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None