2.4GHz WIRELESS AUDIO LINK

OWNER'S MANUAL

(PLEASE READ BEFORE USE)

PLEASE CONSULT THE BACK COVER OF THIS
OWNER'S MANUAL FOR MODEL AND FEATURE

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■ Important-Safety Precautions

This device of which 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.

- To prevent fire or shock hazard, do not expose this device to rain or moisture. does not use near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
- To avoid electrical shock, do not open this device.
- This device should be operated to use only the power supply included with it or provided as an accessory.
- Do not overload wall outlets and extension cords as this can result in the risk of fire or electrical shock.
- Do not attempt to service this device yourself. Refer servicing to qualified personnel only.

Caution: Changes or modifications not expressly approved by the Party responsible for compliance could void the user's authority to operate the equipment.

■ Note:

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, or BZT and CE EMC directive. 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, if not installed and used in accordance with the instruction, it 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 radio/TV technician for help.

A. Checking Contents of Box

Checks to make sure that all of the items shown as below are included with your 2.4 GHz Wireless Audio Sender System. If something is missing, please contact your dealer as soon as possible.

1. **Transmitter** ×1
   SSG2250T

2. **Receiver** ×1
   SSG2250R

3. **Power adapter** ⚠ ×2
   ☐ (120VAC to 9VDC)
   DC in Jack (⊖—(•—⊕ 9V ⎓ 400mA)

4. **Audio Cable** ×2
   ☐ RCA to 3.5mm stereo connector

5. ☐ **IR extender** ×1

6. **Owner's manual** ×1

B. Introduction to 2.4GHz Wireless Audio Link

This sender system is a wireless audio sender that uses advanced wireless communication technology to deliver consistently sharp audio up to 100 meters away. By transmitting at a very high frequency (2.4 GHz), it avoids the crowded 900 MHz band used by many cordless telephones and other wireless audio transmitters. It's superior quality is due to wide-band FM rather than AM signal modulation. Circular polarized high-gain directional transmitting and receiving antennas are used to minimize interference from unwanted signals and maximize the signal range.

It also integrates an UHF remote control extender to allow you to control the video/audio source from another room using your existing remote controller.

Using sender system, you can enjoy greater convenience in many ways.

The Using Attention

1. The outlet of the power supply must have the same voltage as the local area.

2. Be sure the transmitter and the receiver were connected to the equipment correctly

3. When switch is off from transmitter or receiver, it needs to wait for a few seconds in order to restart again.

4. Adjust antenna plate for least interference. (Adjustment cannot rotate more than ±180 °)

5. In most situations, one set of equipment has a better feature within 100 meter. When two equipment or more is used at the same time, used different channels. But a transmitter can be used with several receivers at the same time.

6. The channel selectors allow you to choose the channel for best feature and least interference.

7. When the equipment is operating, please do not use a microwave oven near by.

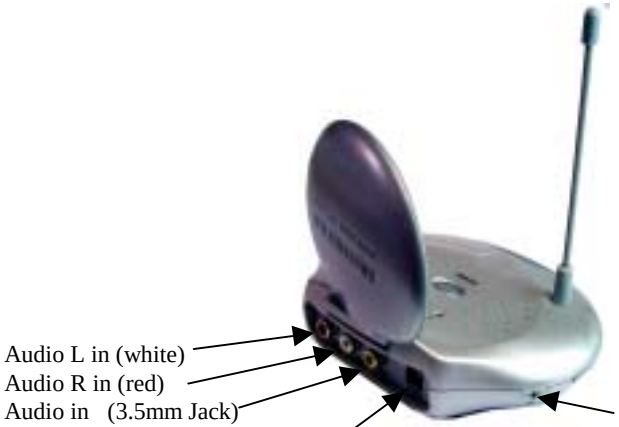
8. The remote control should face to the receiver IR remote control window, and the transmitter IR remote control window (or IR extender) should face to the source Audio equipment. The IR remote has to be within the standard distance.

C. Panel Controls and Features of Duplex Function Type

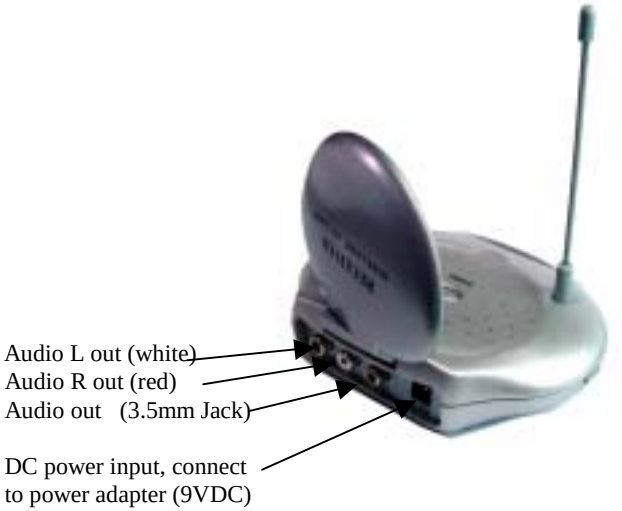
The following illustrations show the names of each component, Button and switch connectors on the transmitter and receiver.

FRONT VIEW FOR TRANSMITTER AND RECEIVER

REAR VIEW FOR TRANSMITTER

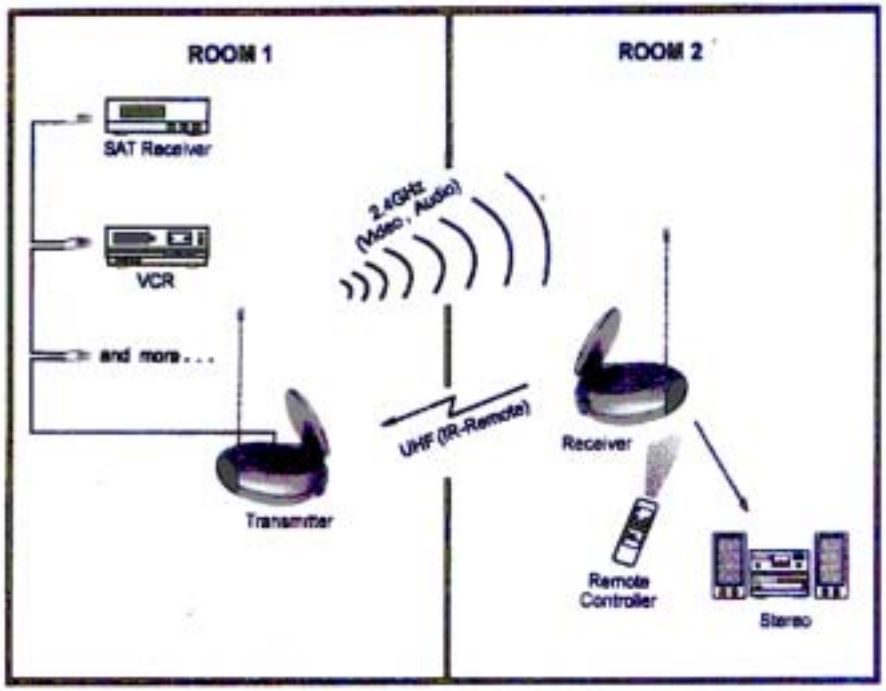


REAR VIEW FOR RECEIVER



D. Setting Up 2.4GHz wireless Audio Link

To enjoy wireless audio, just connect the transmitter to whatever audio source you want to enjoy from another location, and connect the receiver to the headphone or powered speakers in that other location.



Audio link system is suggested to connect to following Audio equipment use:

Audio sources:

- Compact Disk player or Changer
- Stereo Receiver
- Cassette Deck
- DVD Player or other Audio source.

Make sure the ON/OFF switch is in the「OFF 」position before connection.

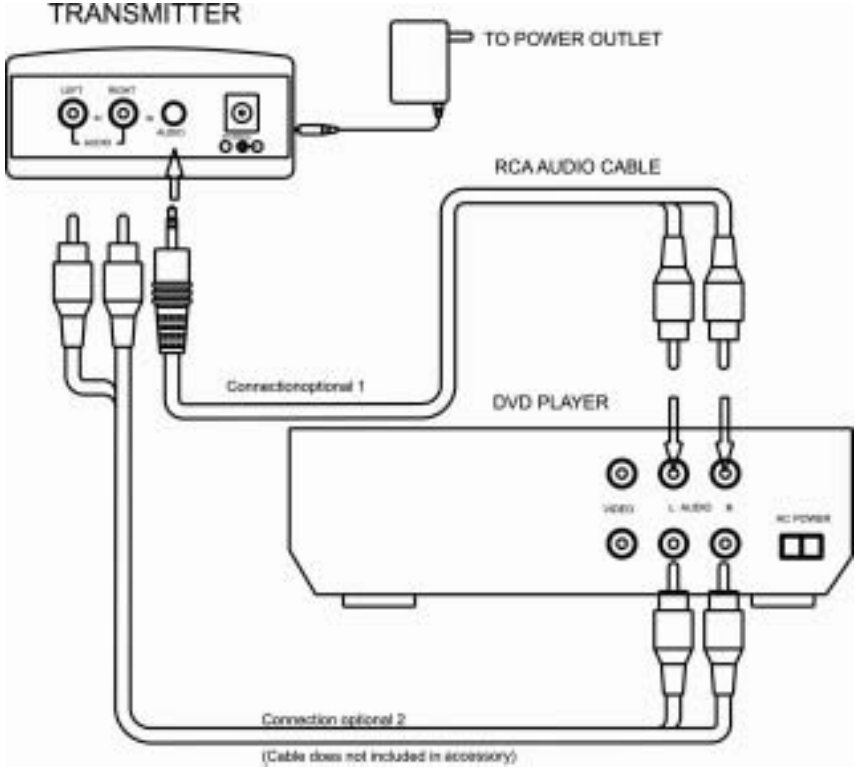
■ How To Transmit Audio from Your DVD Player

You can transmit audio either directly from your DVD Player, or by connecting them to your other Audio sources. To transmit directly from your DVD Player, follow the instructions below.

1. Connect one set of audio cables to the Audio jacks of the transmitter and to the audio OUT jacks of the DVD Player. If you use dual RCA cables, be sure the red and white plugs match the red and white jacks on both the DVD Player and the transmitter.

2. Plug one end of the power adapter into the back of the transmitter and the other end into any 120-volt wall outlet. Use only the adapter provided.

3. Locate and orient the transmitter according to the section of this manual titled "Orienting Units for Optimum Performance" for best performance of transmitter.

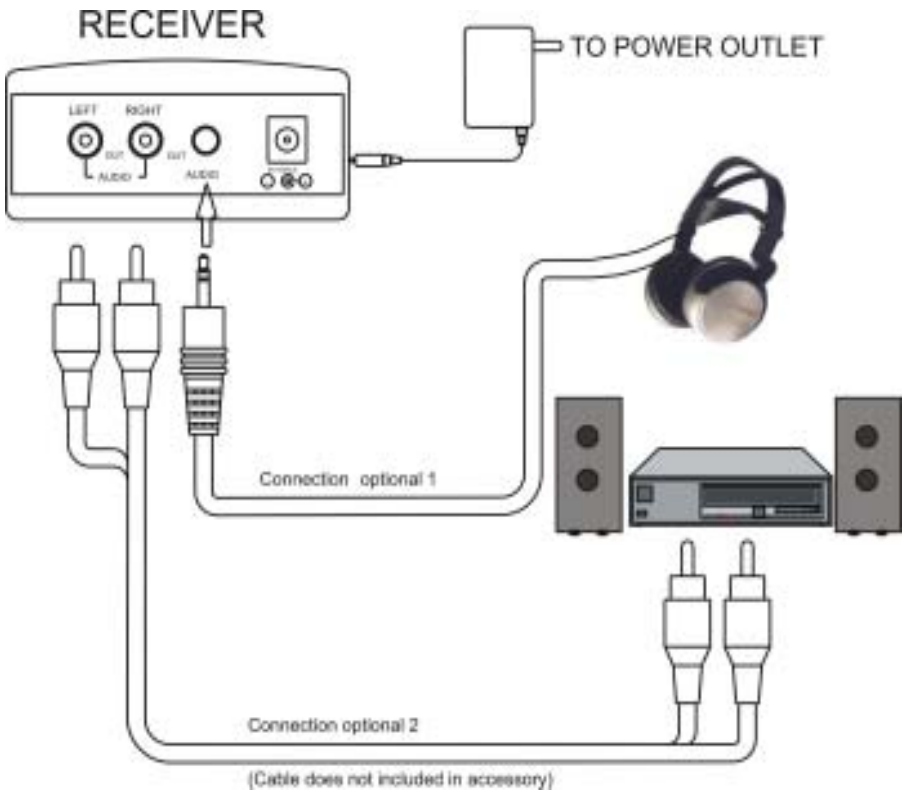


■ How To Receive Wireless Audio Signals

Connecting Receiver Directly to Remote Speaker or Headphone

If your speaker has Audio jacks, connect one set of Audio cables to the speaker's Audio jacks and to the Audio output jacks on the receiver, be sure the red and white plugs match the red and white jacks on both the TV and the receiver.

If the Speaker has only a Stereo jack for audio input, connect the stereo plug to that jack.



E. Orienting Units for Optimum Performance

This sender system should be placed on a flat, stable surface to prevent damage to it from falling.

For optimum performance, both the audio and remote control antennas should be carefully oriented as described below. In addition, to use the remote extension feature, the transmitter itself must be specially oriented so it can relay the converted remote control signal back to the audio source (see following section titled "Using The Remote Control extension Feature"). For maximum operating range, try to minimize the number of obstacles (e.g. your TV or other electronics, large furniture) where between the transmitter and receiver units.

Orienting the Audio Antennas

Sender broadcast their high-quality audio using directional antennas, which must be oriented in certain configurations for best results. The antennas have been designed to pivot and rotate in-almost any direction.

In most situations, the protrusive side of the antennas on both the transmitter and receiver should be facing one another and perpendicular (at a right angle) to an imaginary line drawn between the two units. Three examples are shown Fig-l, Fig-2 and Fig-3. Since all homes are different, for optimum reception, additional slight pivots or rotations may be necessary. If the transmitter and receiver are less than 10 feet apart, suggest keeping the antennas flat in their casings since the distance is so short.

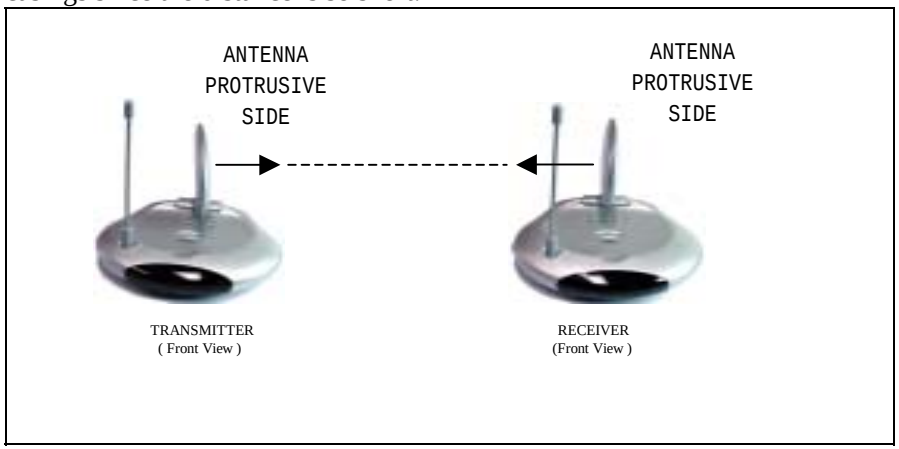


Fig-1: How to orienting the 2.4GHz audio antennas.

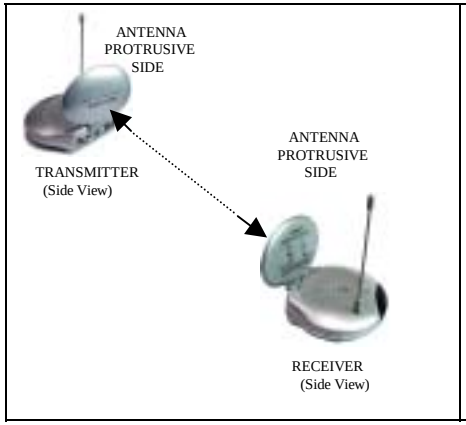


Fig-2

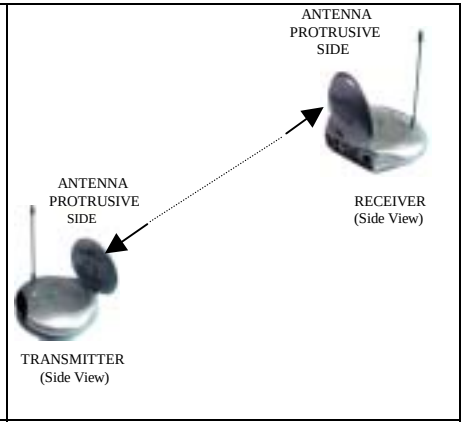


Fig-3

F. Using the Remote Control Feature

This sender system not only allows you to send crisp audio from one area to another, it also gives you the ability to control the source using your existing remote control device. It converts the infrared (IR) signal emitted by your remote control to a radio frequency (RF) signal in UHF band at the receiver and sends it back to the transmitter where the RF signal is converted back to the original IR signal and beamed to the audio source.

There are two ways to get your source Audio equipment to be controlled by using existing remote control through remote control feature:

1.To orient the transmitter unit face to face the source Audio equipment, this would allow the converted IR signal, which from transmitter IR remote control window be able to send to the source Audio equipment(s) front panel.

2. Simply connect an IR extender from transmitter and locate this IR extender near the source Audio equipment from panel.

Sometimes, it may be difficult or even impossible to orient the transmitter unit such that it can be "seen" (means face-to-face) by the Audio equipment you wish to control. Perhaps there is no good surface that allows for this or perhaps you wish to control. Or perhaps you wish to remotely control Audio equipment in different locations without re-orienting the transmitter. So, in this case, to use in extender will be more convenient.

■ How to Use the IR Extender Accessory

The IR extender connects to the transmitter through its own special connector plug. The extender emits an IR signal can control your Audio equipment with the remote signal. To use the IR extender, follow the instructions below:

1. Plug the IR extender into the 2.5mm phone jack of transmitter's rear panel.

2. Connect the infrared cable at the left of the transmitter and put one of the LED on the infrared receiver of the Audio source. (Fig-4) . You have 3 more LED's at you disposal to control 3 additional Audio appliances.
More the LED in order to find the most appropriate spot.

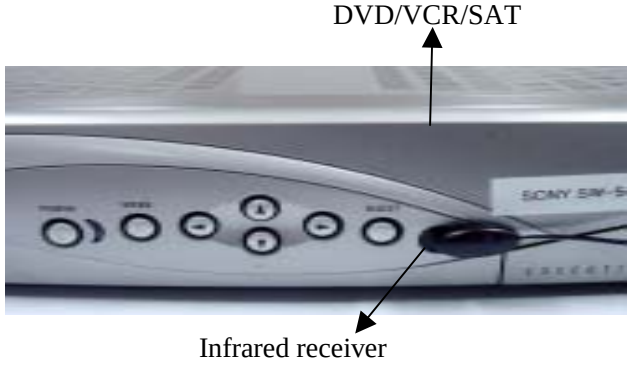


Fig-4

3. Position the receiver so that your remote control signal can strike the IR window on the bottom front of the unit. To use your remote control, point it at the front of the receiver.

G. Troubleshooting, Care and maintenance

Please read this owner's manual carefully and follow the steps described in it. If you still have difficulties, consult the following table. It will guide you though the most common problems and their solutions.

Problem	Possible solutions
No sound	• Check all cable connections. • Make sure power plugs are pushed all the way in. • Check the power on/off switches on the transmitter and receiver.
Interference: Noisy audio	• Adjust receiver and transmitter antenna orientation. (see section on "Orienting Units for Optimum Performance" in this manual) • Select a different channel by pushing the channel selector button on both transmitter and receiver so that the channels match. • If using a microwave oven, turn it off. • Remove microwave oven from path between transmitter and receiver.
Remote control extender does not work	• Check the path between the transmitter and the audio/video source and clear any obstructions. • Check to see if the IR window on the bottom front of the transmitter is blocked. • Make sure IR extender is properly rotated in the A/V equipment you wish to control. (see section on "Using the Remote Control Feature" in this manual) • Adjust remote control antennas. (see section on "Orienting Units for Optimum Performance" in this manual)

Note: Clean the outside plastic packaging with a soft cloth lightly moistened with mild soap and water. Never use any abrasive scouring powder or solvent.

I. Specifications

Transmitter:

Operating Frequency Band	2.400GHz~2.4835GHz	
Output Level	90 dBμV/m at 3 meters	
Modulation	FM	
Channel	PLL frequency synthesizer	
Audio Input Level	1V p-p @ 600 ohm	(STEREO)
Input Port	RCA and 3.5mm stereo jack	
Antenna	Directional flat antenna	
IR–remote IR output	940nm with ON/OFF keying	
Power consumption	9VDC, 230mA	
Dimension	140mm×113mm×42mm	
Weight	180g	

Receiver:

Operating Frequency Band	2.400GHz~2.4835GHz	
Noise Figure	3.5dB	
Channel	PLL frequency synthesizer	
Audio Output Level	1V p-p @ 600 ohm	(STEREO)
Output Port	RCA and 3.5mm stereo jack	
Antenna	Directional flat antenna	
IR-remote Relay		
Transmit Frequency	433.92 MHz	
Infrared freq. Input	35KHz~41 KHz	
Power consumption	9 VDC, 230mA	
Dimension	140mm×113mm×42mm	
Weight	190 g	

System:

Operational range	up to 100 meter	(line of sight)
Remote control range	up to 50 meter	(line of sight)

●All specification subject to change without notice