

SERENE[®]
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Making Life Easier

TV-95RF

Wireless TV Listening System

Operating Guide



Model
TV-95RF

US Patent 8,155,368 B2

Thank you for purchasing the **TV-Direct™ Wireless TV Listening System**. Our proprietary High Definition Sound (HDS) technology converts analog TV audio into an RF wireless transmission via a receiver. This means you can clearly hear all TV program dialogue as well as live game commentary from anywhere in your home (~100' x 100') – even while you are moving from room to room.

Unlike other receivers in the market today, our receiver rests gently on your shoulder while placing zero weight on your ears.

Our patented wireless receiver design (US Patent 8,155,368 B2) offers a “Zero-Pinch” feature. It guarantees you will never feel any pressure pinch in your ears even after a long 24-hour listening experience!

Please read this operating guide carefully before use and keep it for future reference. If you have any questions, please feel free to contact our Customer Care Department.

Phone: (562)-407-5400 Fax: (562)-483-2087

Toll-Free Help Line: (866)-376-9271 (8AM-5PM PST, M-F)

Important Safety Instructions:

1. Please read all these instructions carefully before using this device.
2. Do not place the base transmitter on a metal surface. Metal surfaces can reduce wireless signal transmission.
3. Always keep the device dry and do not expose it to direct sunlight.
4. Furniture polish, might disintegrate the rubber feet of the transmitter over time which could, in turn stain your furniture. To avoid potential stains, you may want to place it on a pad or mat.
5. This device allows you to amplify sounds to a loud volume, however please keep in mind that listening to earphones at a high volume over an extended period of time may damage your hearing; especially in children. We suggest that you set the volume at a reasonable level to keep your hearing safe.
6. This device uses rechargeable batteries for operation. Please observe the safety and handling instructions for the rechargeable batteries. Always recycle them through your local waste recycler.
7. This device is intended for home and personal use only.

Battery Safety And Disposal:

CAUTION

The **TV-Direct™ Wireless TV Listening System** is supplied with two rechargeable NiMH batteries. Do not replace with regular, non-rechargeable batteries. Charging non-rechargeable batteries may cause them to explode and release dangerous chemicals, causing serious injury to the user and others, while also **VOIDING** the product warranty.

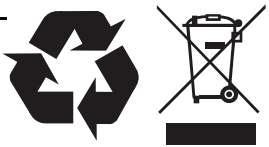
Please do not dispose of used batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

Recycling Instructions:

Help protect the environment!

Please take the time to dispose of any used equipment properly.

Please dispose of the **TV-95RF** batteries properly, following any local regulations. **DO NOT** dispose of the unit/used batteries in the household trash. Take the equipment to a near by recycle center.

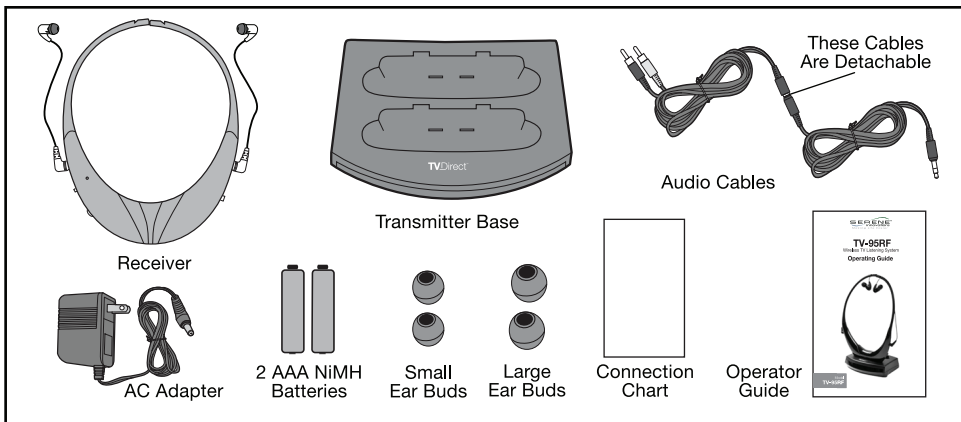


Product Recycling for Customers in the European Union:

Please do not dispose of your old equipment in the household trash. Take the equipment to a nearby recycle center.

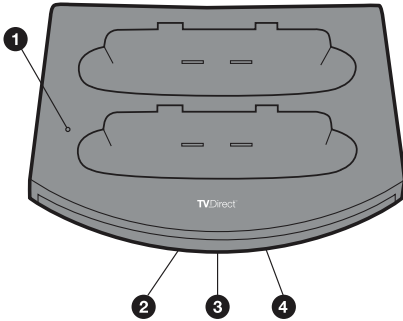
Package Contents:

Your **TV-Direct™ Wireless TV Listening System** includes all of the items shown below. If there is anything missing, please contact our Customer Care Department immediately.

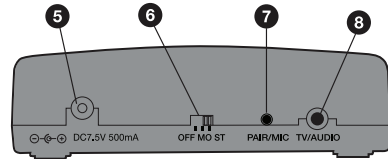


Feature Identification:

Transmitter Base



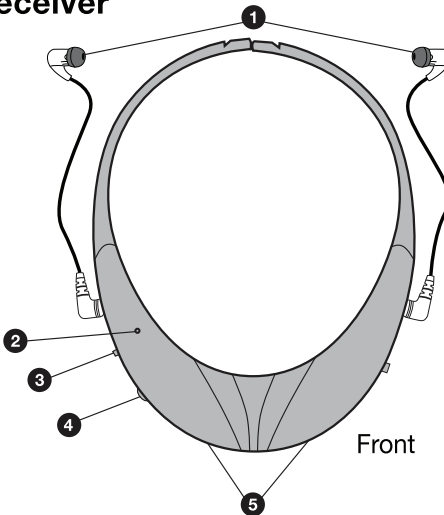
1. Microphone
2. Charging Indicator
3. Transmit Indicator
4. Microphone Mode Indicator



Transmitter Back

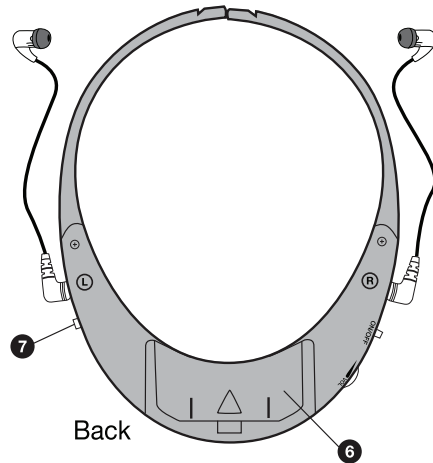
5. AC Adapter
6. OFF/MO/ST Selector
7. Pairing/Mic Input Select
8. Audio In

Receiver



Front

1. Left & Right Earphones
2. ON/OFF Indicator
3. ON/OFF Switch
4. Volume Control



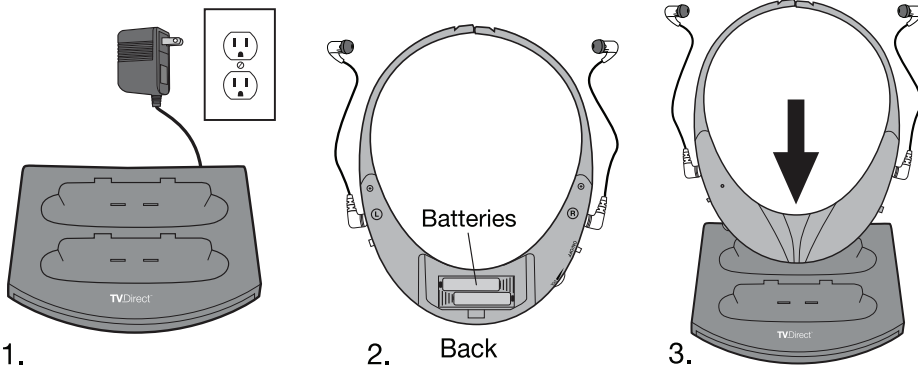
Back

5. Battery Charging Contacts
6. Battery Compartment
7. Tone (Mute)

Charging Receiver(s):

Please do the following before connecting to your TV set:

1. Plug the AC adapter into the electrical outlet and then connect it to the transmitter base. Set the selector to “**ST**” on the back of the base.
2. Install the provided rechargeable batteries (2 x AAA NiMH) into the Receiver and place it on the charge slot of the transmitter base.
3. The charging LED is located on the front of the transmitter base, and will light up as long as the Receiver(s) is placed in the charging slot. Charge time is about 8 hours.
4. A fully charged battery provides about 8 hours of listening enjoyment.
5. The transmitter base can charge two Receivers at the same time.



Connections and Setup:

1. Turn on your TV set, and tune into your favorite channel.
2. Verify the **TV-Direct™** transmitter base is powered on and that the transmit indicator is **ON**.
3. Select one of the audio connection methods described in the **CONNECTION CHART** provided in the box and then turn on the Receiver (with volume set to medium range) to enjoy audio.

Using the TV-Direct™ Receiver:

With the connections completed:

1. Turn the volume on the Receiver to a low level (to protect your hearing from sudden loud sound) before putting on the earbuds.
2. Place the Receiver gently on your shoulder and slide the **ON/OFF** switch to turn on the Receiver. The Receiver's **ON/OFF** indicator will be on.
3. When sound is received on the Receiver, adjust the sound level to a comfortable range.
4. When the Receiver is too far from the base it will lose the wireless signal and will generate a “beep-beep” sound to the earbuds.
5. If the wireless signal is lost for more than 5 minutes, the Receiver will automatically shut off to conserve battery power. Turn the Receiver off and then on again to reconnect with the transmitter base.

Tone Settings on Receiver:

1. The Receiver has four tone settings: **Normal**, **Low**, **Medium**, and **High**.
2. To change the tone setting: Press the Tone button once to jump to the next tone setting. It will cycle through all settings, so after 4 presses, the Tone will return to the “**Normal**” setting.
3. The Receiver will default to Normal setting each time it is turned on.

Receiver Mute Function:

1. To mute the Receiver, press and hold the “**TONE**” button for **5** seconds.
2. To release the mute, press and hold the “**TONE**” button for **5** seconds.

Tips: As there is no mute indicator on the Receiver, when in doubt, turn the Receiver “**OFF**” and then “**ON**” again to reset the mute function.

Pairing Additional Receivers:

You can pair up to 4 Receivers to work with your **TV-Direct™** transmitter base. Follow the steps below to “**PAIR**” each Receiver:

1. Install the batteries in the new Receiver and charge the batteries (as described previously) before first use.
2. Power off the new Receiver.
3. Make sure both the TV set and the transmitter base are on.
4. On the new Receiver, press and hold the “**TONE**” button while turning on its power “**ON/OFF**” switch. The Receiver's “**ON/OFF**” indicator should be blinking.
5. Now, press and hold the “**PAIRING**” button (at the back of the base) for about **3** seconds until the transmit indicator on the front of the base starts blinking.

Pairing Additional Receivers (CONT):

6. Wait for about **15-20** seconds, you will hear TV sound coming through the new Receiver. Pairing is complete.
7. Repeat steps above again to pair additional Receivers.

Auto Shut-Off:

The **TV-Direct™** Wireless TV Listening System is equipped with an auto shut-off function on both transmitter base and the Receiver:

- Transmitter Base – When there is no audio input signal detected for **1** minute, the transmit indicator will start blinking. If there is no audio signal detected for an additional **5** minutes, the transmitter base will stop all wireless transmissions, and the transmit indicator will turn off. Once the audio input signal is detected, the transmitter base will start transmitting again.
- Receiver – When there is no wireless signal received, a “beep-beep” sound will be generated and heard from the earbuds. If the missing wireless signal continues for more than 5 minutes, the Receiver will be shut-off to save battery power, and the Receiver's “**ON/OFF**” indicator will be off. To start Receiver operations again, turn the Receiver off and then on again to reconnect with the base.

Cleaning And Maintenance:

1. The surface of the device can be cleaned with a soft, dry cloth.
2. **DO NOT** use any sprays near the device. **DO NOT** use any solvents, chemicals, or cleaning solutions containing alcohol or ammonia or abrasives. Do not take apart the device.
3. **DO NOT** allow liquids to spill into any openings on the device.

Troubleshooting:

If you encounter any difficulties, please check the following before calling our Customer Care Department for assistance.

1. No sound from the Receiver :

- Make sure the connected TV set is on
- Verify that the TV set is not muted or on low volume.
- Check all connections to ensure that all cords are firmly connected at the back of the transmitter base and TV set
- Verify the Receiver “**ON/OFF**” switch is **ON**, the Receiver's volume is not at the lowest setting, and the battery is fully charged.
- Receiver may be muted. Turn off the Receiver and turn it on again.

Troubleshooting (CONT):

2. There is sound from the TV speaker, but no sound from the Receiver.

- Check all connections. Make sure you are connected to audio out ports.
- Check your TV set speakers setting by going into the TV set's menu, using your TV set's remote and ensuring the TV set is sending audio signals out to the transmitter base.

3. I hear “beep-beep” sounds on the Receiver's earbuds

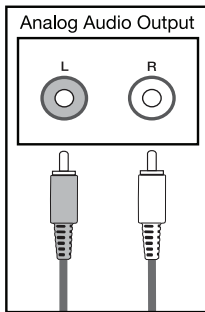
- The Receiver is not receiving wireless audio signal from the base.
- The Receiver is too far from the base.

Reference Information On Audio Out Ports:

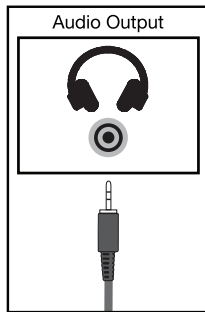
Locate the “**AUDIO OUT**” connections on the back or on the side of your TV set. Most TV sets only have one type of audio out ports.

1. If your TV set has audio out connectors as shown in Example 1 or Example 2, they are analog outputs. The included audio cables are ready to use with the **TV-Direct™**.
2. If your TV set has audio out connectors as shown in Example 3 or Example 4, they are digital outputs. You will need a special audio converter in order to use with the **TV-Direct™**.

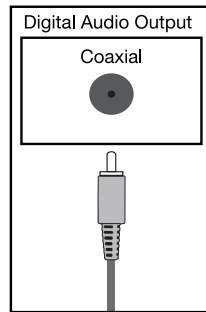
Please Note: The optical and coaxial cables are not included with the **TV-Direct™** package.



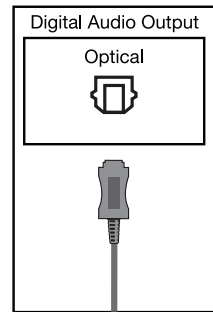
Example 1



Example 2



Example 3



Example 4

TV-Direct™ Optional Accessories:

The following accessories enhance your TV listening experience. Please contact any dealer for availability.

1. **TV-Direct Listening Receiver**
Model TV-95RF (Item TV5201)
Extra receiver for TV-95RF



2. **TV-Direct Replacement Ear Bud**
Model TV-EB (Item TV-6002)
(one pair)



3. **TV-Direct Ear Bud Covers**
Model TV-EBC (Item TV-6003)
3 pairs of replacement ear bud covers (one pair each S-M-L)



4. **TV-Direct Tele-Coil (Single)**
Model TV-TC (Item TV-6005)
Single Silhouette style tele-coil coupler with 2.5mm plug to work with T-coil hearing aid.



5. **TV Digital Audio Converter (US)**
Model DAC-202B (Item TV-6007)



6. **HDMI Analog Audio Converter**
Model HAC-100 (Item TV-6009)



Specifications:

Selector Switch.....	ST: For Stereo Input MO: For Mono Input OFF: Unit Power Off (Charging is Off)
Carrier Frequency.....	2.4 GHz
Range.....	Over 100 ft open space
Freq. Response.....	50 Hz to 16kHz
THD.....	Less than 3%
Transmitter Standby.....	6 minutes total after no input detection
Receiver Shut-Off.....	5 minutes after no signals detected
AC Power Supply.....	7.5VDC, 500mA
Battery Usage.....	About 8 hrs. (full charge)
Charging Indicator.....	Located on the base transmitter. Lights up when the receiver is placed in the charging bay.
Charge Time.....	About 8 hours
Weight.....	Base: approx. 5.3 oz (150g) Receiver: approx. 3 oz. (84g)

Warranty Information:

Your **TV-Direct™ (TV-95RF) Wireless TV Listening System** comes with a one-year limited warranty. For the warranty period we will guarantee any defects involving materials or production relating to the **TV-Direct™ (TV-95RF)**. In the event that the **TV-Direct™ (TV-95RF)** fails to function properly, and if it is during the one-year warranty period, please return the unit (freight prepaid) with proof of purchase (sales receipt or packing slip, no exceptions) to Serene Innovations Inc.

Serene Innovations, Inc. will either repair or replace the unit (with a refurbished unit or a unit of equal condition) and return it to you (using UPS/USPS ground shipping) at no cost to you (there will be a nominal additional shipping charge if it is shipped outside of the 48 Continental U.S. states).

This warranty does not apply to any product that has been accidentally damaged due to: abuse, misuse, negligence, use on an electrical frequency or voltage other than the one marked on the product and/or described in this manual. Defects or errors caused by unauthorized alterations, repairs and/or tampering are also not covered by this warranty.

Please dispose of used batteries properly, following any local regulations. Do not incinerate.

Incidental or Consequential Damages:

Neither Serene Innovations, Inc. nor the retailer, dealer or selling distributor has the responsibility for any incidental or consequential damages, including, without limitation, commercial loss of profit or for any incidental expenses, loss of time or inconvenience. Some states do not allow exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you.

Warranty Information (CONT):

This warranty does not apply to any product that has been accidentally damaged, abused, misused or neglected, used on electrical frequency or voltage other than marked on product and/or described in the manual. Defects or errors caused by unauthorized alterations, repairs and/or tampering, are also not covered by this warranty.

This Warranty grants you specific legal rights and you may also have other legal rights that vary from state to state.

If a defect covered by this warranty should occur, promptly contact a Customer Care Representative by phone, or log onto www.sereneinnovations.com to obtain a Return Merchandise Authorization Number (RMA) and shipping instructions, before shipping the product to Serene Innovations. Any shipment without an RMA number will not be accepted and will be returned to you at your expense. Any authorized returned product must be accompanied by a proof of purchase and a brief explanation of the problem.

For out-of-warranty repair and service, please contact our Customer Care Department for a price quote and instructions.

FCC AND IC INFORMATION:

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. This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in 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, you may try one of the following methods to correct the interference:

1. Where it can be done safely, re-orient the receiving television or radio antenna.
2. To the extent possible, relocate the television, radio, or other receiver, with respect to the cordless phone.
3. Connect the cordless phone AC adapter into a different electrical outlet.
4. Consult the dealer or an experienced radio/TV technician for help. Modification: Any modification not expressly approved by the manufacturer of this device could void the user's authority to operate the device.

This Class B digital device complies with Canadian ICES-003, RSS 201 Issue 8.



Serene Innovations, Inc.

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