

## SIMOLIO SM-863D

# SIMOLIO Digital Wireless TV Headphones SM-863D Instruction Manual

Model: SM-863D | Brand: SIMOLIO

## 1. INTRODUCTION AND OVERVIEW

The SIMOLIO Digital Wireless TV Headphones SM-863D are designed to enhance your TV listening experience, especially for seniors and individuals with hearing difficulties. They utilize advanced features to deliver clear audio directly to your ears.

Key features include:

- **Digital Wireless Technology:** Voice highlighting and noise reduction work together to make dialogues stand out while reducing TV background sounds. Automatic signal control ensures stable output, preventing sudden volume increases.
- **Customizable Sound:** Adjust the TONE (Treble/Normal/Bass) to find the optimal sound frequency for clear audio. The BALANCE control allows for individual adjustment of sound levels in the left and right ears, catering to different hearing levels.
- **Ambient Sound Mode:** This feature allows you to hear conversations around you without needing to remove the headphones, promoting convenience and safety.
- **Long Battery Life:** A single full charge provides approximately 15 hours of listening time, though this may vary based on volume level and content.
- **Comfort and Durability:** Constructed with durable materials and featuring super-soft memory foam eartips and ear loops, these headphones are designed for extended comfortable wear.

## 2. WHAT'S IN THE BOX

Your SIMOLIO SM-863D package includes the following components:

- One Headset
- Transmitter
- Optical Cable
- RCA Cable
- AUX Cable (3.5mm)

- Charging Adapter

## ***What's in the box:***

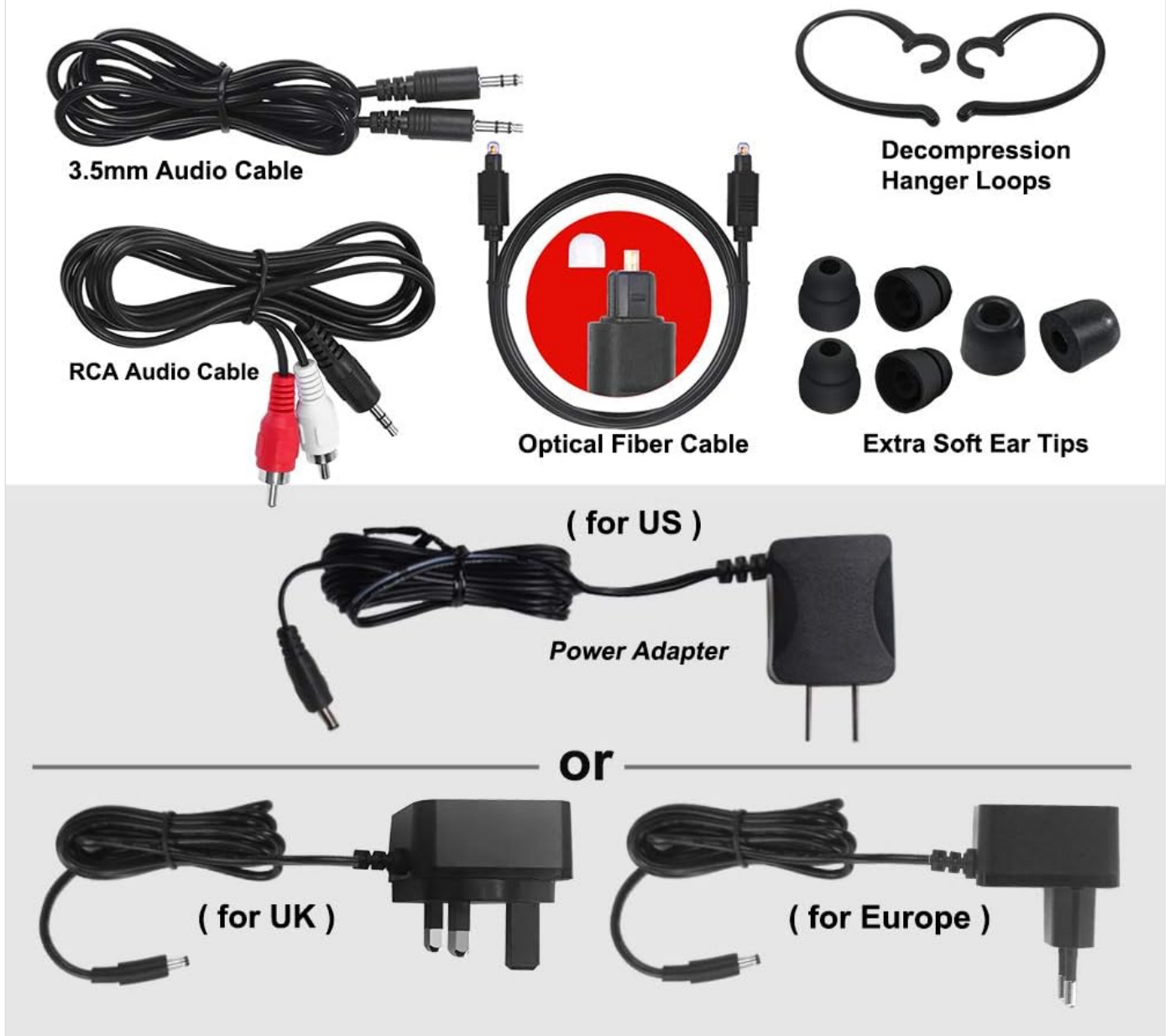


Figure 1: All components included in the SIMOLIO SM-863D package.

### **3. COMPATIBILITY**

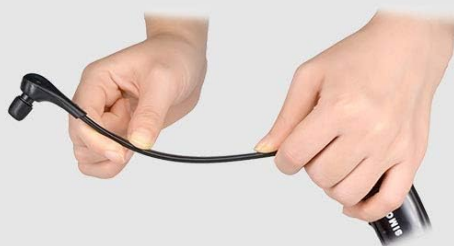
The SIMOLIO SM-863D headphones are designed for use with TV/audio devices that feature a Digital Optical, RCA, or 3.5mm AUDIO OUT port. It is important to note that this product operates using infrared technology, which requires a direct line of sight between the transmitter and the headset. The effective receiving distance is less than 10 meters, and the signal can be interrupted by obstacles.

These headphones are safe for individuals with pacemakers and will not interfere with your WiFi network, making them suitable for various environments including senior living facilities.

The infrared diodes on the transmitter must be in direct line-of-sight with the headset. There cannot be anything blocking the direct signal, otherwise there will be no audio received.



**Flexible & Adjustable**



**Decompression  
Hanger Loops  
is Option for You**



**(purchase separately)**

**Durable & Unbreakable**



Figure 2: Compatible audio output ports on your TV or audio device.

# Focus on Hearing Technology

## Help You Hear TV Dialogues Clearly with a Gentle Volume



Personal  
Sound Amplifier



Tone Control  
(Treble/Normal/Bass)



Balance Control  
(Left/Right)

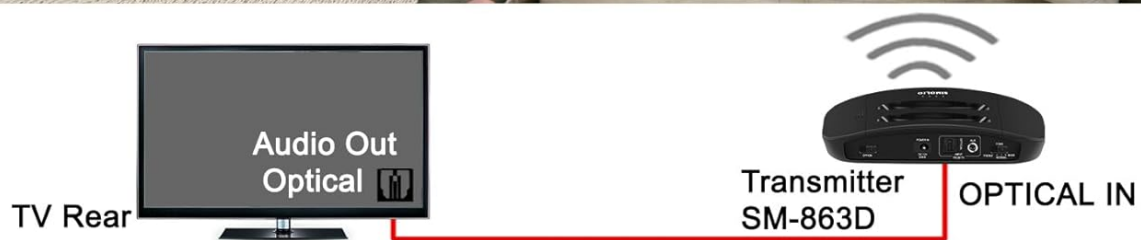


Figure 3: Incompatible audio input ports. A digital to analog converter is needed for coaxial output.

### Video Guide: Checking TV Compatibility

This video provides a detailed guide on how to check if your TV is compatible with the SM-863D headphones.

## 4. SETUP AND INSTALLATION

Follow these steps to set up your SIMOLIO SM-863D headphones:

1. Connect the transmitter to your TV's audio output port using one of the provided cables (Optical, RCA, or 3.5mm AUX), based on your TV's available ports.
2. Connect the charging adapter to the transmitter and plug it into a power outlet.
3. Place the headset on the transmitter's charging cradle to charge. Ensure the headset is properly seated for charging.
4. Once charged, turn on the headset using the power button.
5. Ensure there is a clear line of sight between the transmitter and the headset for optimal infrared signal reception.





Figure 4: Overview of headset controls and transmitter ports.

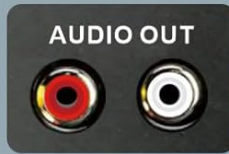
# Does This Listening Device Works with My TV?

Your TV must have at least one of the below connectors

HEADPHONE



AUDIO OUT



DIGITAL AUDIO OUT  
(OPTICAL)



COMPOSITE IN



AUDIO IN



This headphone system cannot connect to below connectors.

DIGITAL AUDIO OUT  
(COAXIAL)



Need to purchase a digital to analog audio converter.

Figure 5: Transmitter rear panel showing power input, TV input, and tone selector.

## 5. OPERATING INSTRUCTIONS

Once set up, operating your SIMOLIO SM-863D headphones is straightforward:

- **Power On/Off:** Use the dedicated power button on the headset to turn it on or off.
- **Volume Control:** Adjust the volume using the volume control dial on the headset to your preferred listening level.
- **Tone Control:** Utilize the tone selector switch on the transmitter to choose between Treble, Normal, or Bass settings, optimizing the sound frequency for clear dialogue.
- **Balance Control:** The balance control dial on the headset allows you to adjust the audio balance between the left and right ears, which is particularly useful for individuals with different hearing levels in each ear.
- **Ambient Sound Mode:** Activate the ambient sound mode button on the headset to temporarily amplify surrounding sounds, allowing you to hear conversations without removing the headphones.

**Safe with Pacemakers**



**No Pairing, No Interference with WiFi**  
**No Problem to Use Multiple Sets Simultaneously in a House**

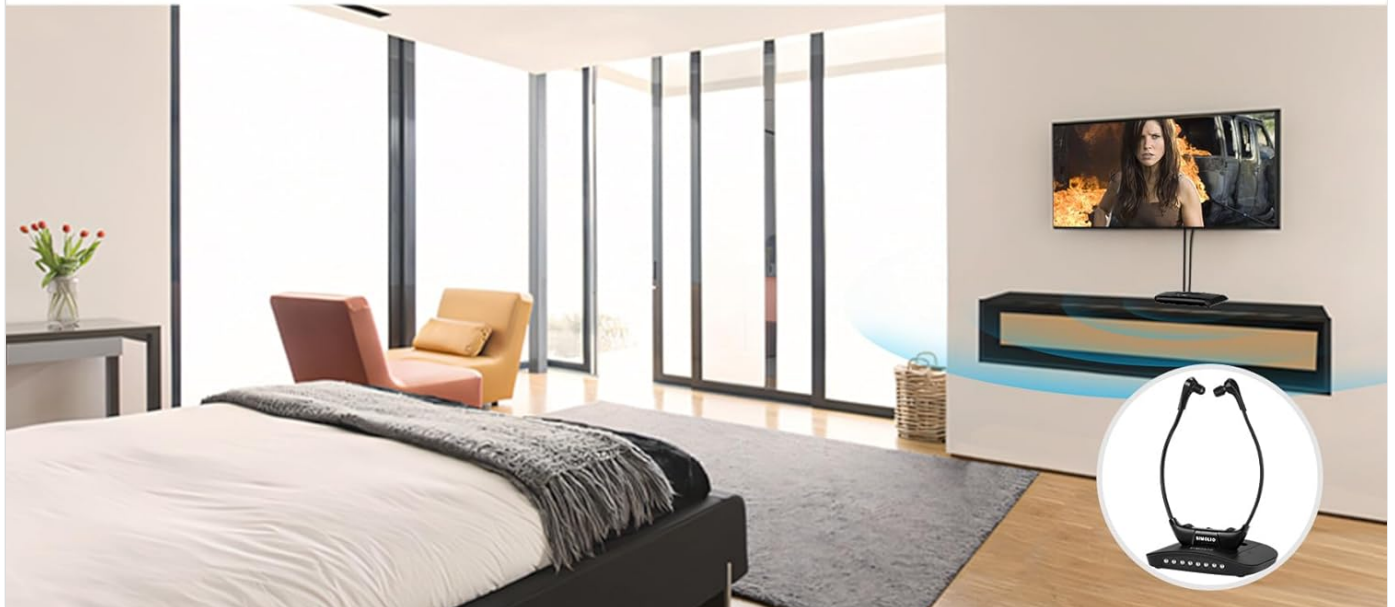


Figure 6: Focus on hearing technology features for clear TV dialogues.

## 6. CHARGING AND BATTERY LIFE

The SM-863D headphones are equipped with a rechargeable Lithium Ion battery. A full charge typically takes approximately 3 hours and provides up to 15 hours of continuous listening, depending on the volume level and audio content.

To charge the headset, simply place it on the transmitter's charging cradle. Ensure the headset makes proper contact with the charging pins. The battery is replaceable if needed.



Figure 7: Rechargeable and replaceable battery for convenient charging.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your SIMOLIO SM-863D headphones, follow these maintenance guidelines:

- Keep the headset and transmitter clean by wiping them with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the headphones in a cool, dry place when not in use, away from direct sunlight and extreme temperatures.
- Regularly check the memory foam eartips for wear and tear. Replace them if they become damaged or uncomfortable to maintain hygiene and sound quality.
- Handle the headset arms gently when adjusting them to prevent damage, despite their durable design.

## 8. TROUBLESHOOTING

If you encounter issues with your SIMOLIO SM-863D headphones, refer to the following common problems and solutions:

### No Sound from Headphones:

- **Check Connections:** Ensure all cables (Optical, RCA, or 3.5mm AUX) are securely connected between the TV and the transmitter.
- **TV Audio Output Settings:** Verify that your TV's audio output settings are correctly configured for the connected port (Digital Optical, RCA, or 3.5mm AUX). Many TVs require setting the audio output to 'PCM' format for digital connections.
- **Infrared Line of Sight:** Confirm that there are no obstructions between the transmitter and the headset. Infrared technology requires a clear line of sight for the signal to transmit effectively. The maximum effective range is 10 meters.
- **Headset Power and Charge:** Make sure the headset is powered on and has sufficient battery charge.

### Video Guides for No Sound Issues:

This video demonstrates how to resolve 'No Sound' issues specifically with Philips TVs when using an optical cable.

This video provides solutions for 'No Sound' problems with LG TVs when connected via optical output.

## 9. SPECIFICATIONS

Feature	Detail
Model Name	SM-863D
Connectivity Technology	Infrared Wireless



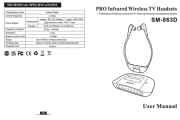


Wireless Communication Technology	Infrared
Headphones Jack	RCA (also compatible with Optical, 3.5mm AUX)
Noise Control	Active Noise Cancellation
Frequency Response	20Hz-20KHz
Battery Life	15 Hours
Charging Time	3 Hours
Included Components	One Headset, Transmitter, Optical/RCA/AUX cable, Charging adapter
Material	Plastic
Color	Black
Item Weight	1.19 pounds

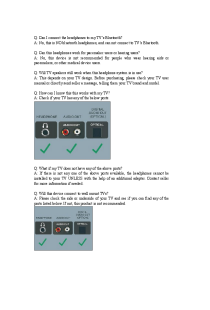


## 10. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty-related inquiries regarding your SIMOLIO SM-863D headphones, please contact Simolio Direct, the seller. They can provide comprehensive support and guidance for your product.

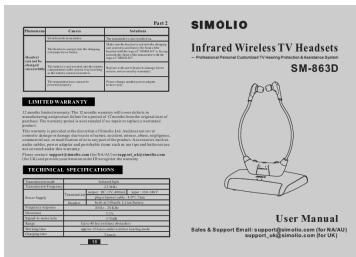
Contact information for Simolio Direct can typically be found on your purchase receipt or through the platform where the product was acquired.

### Related Documents - SM-863D

	<a href="#">SIMOLIO SM-863D Pro Infrared Wireless TV Headsets User Manual</a> This user manual provides comprehensive instructions for the SIMOLIO SM-863D Pro Infrared Wireless TV Headsets, covering setup, features, troubleshooting, and technical specifications for enhanced TV audio.
	<a href="#">SIMOLIO 2.4GHz Wireless TV Hearing Devices Quick Guide</a> This guide provides step-by-step instructions for setting up and connecting SIMOLIO wireless TV headphones via Optical, RCA, or AUX connections. It includes essential tips for optimal audio performance and troubleshooting common issues.
	<a href="#">SIMOLIO SM-825D Pro Wireless TV Headphones User Manual</a> User manual for the SIMOLIO SM-825D Pro 2.4GHz Wireless TV Headphones, providing setup instructions, features, troubleshooting, and technical specifications for enhanced TV audio and personal sound amplification.

	<p><a href="#">SIMOLIO SM-824D2 Wireless Headphones for TV - FAQ and Compatibility</a></p> <p>Frequently asked questions and compatibility guide for SIMOLIO SM-824D2 Dual Wireless Headphones for TV Watching. Learn about TV connectivity, audio ports, and usage with hearing aids and pacemakers.</p>
	<p><a href="#">SIMOLIO SM-824D1 SM-824D2 2.4GHz Wireless TV Headsets User Manual</a></p> <p>Comprehensive user manual for SIMOLIO SM-824D1 and SM-824D2 2.4GHz Wireless TV Headsets, offering crystal-clear audio, hearing protection, and assistance. Learn about features like voice highlighting, noise cancellation, balance control, multiple charging solutions, and detailed setup instructions for various TV audio outputs (Optical, RCA, 3.5mm AUX).</p>
	<p><a href="#">SIMOLIO SM-824D1 SM-824D2 2.4GHz Wireless TV Headsets User Manual</a></p> <p>Comprehensive user manual for SIMOLIO SM-824D1 and SM-824D2 2.4GHz Wireless TV Headsets, offering crystal-clear audio, hearing protection, and assistance. Learn about features like voice highlighting, noise cancellation, balance control, multiple charging solutions, and detailed setup instructions for various TV audio outputs (Optical, RCA, 3.5mm AUX).</p>

Documents - SIMOLIO – SM-863D



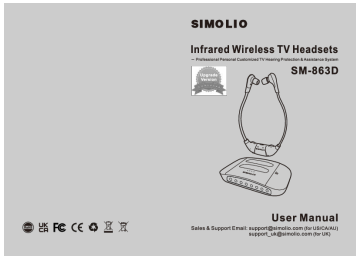
[\[pdf\]](#) User Manual Warranty

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Part 2 Phenomena Causes Solutions Switch on the transmitter. The transmitter is not switched on ... rox 15 hours under wireless hearing mode Charging time 3 hours 18

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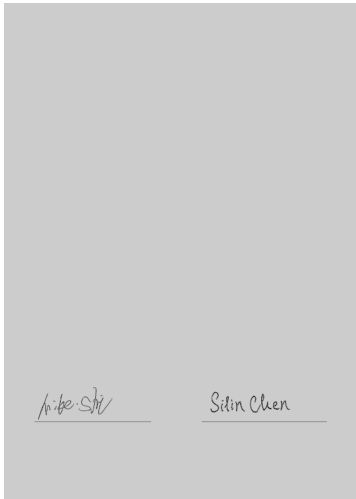


[\[pdf\]](#) User Manual

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[\[pdf\]](#) Test Report

Test Report Shenzhen Simolio Electronic Co Ltd SM 561 IR Wireless headphone 2AYV2 2AYV2SM561 sm

TEST REPORT Reference No..... : FCC ID ..... : Applicant

... SM-567, SM-568, SM-568TV, SM-569, Adding Model s : SM-569TV, SM-261A, SM-264D, SM-265D, SM-266D, **SM-863D**, IR1, IR1TV, IR2, IR2TV, IR3, IR4, IR5, IR6, IR7, IR8, IR8TV Note: The test data is gather...

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