

## SIMOLIO SM-824D1

# SIMOLIO 2.4G Digital TV Wireless Headphones

Model: SM-824D1 | Brand: SIMOLIO

## INTRODUCTION

The SIMOLIO 2.4G Digital TV Wireless Headphones are designed to provide a clear and comfortable audio experience for TV watching, especially for seniors. Featuring advanced 2.4GHz FHSS technology, these headphones ensure no pairing issues and no audio delay, allowing for seamless enjoyment of your favorite programs. The robust signal can penetrate walls and ceilings, offering an effective range of up to 100 feet for freedom of movement.

Key features include voice highlighting and noise reduction to enhance dialogue clarity, and automatic signal control to maintain stable output volume. Users can customize their listening experience with tone and balance controls, and switch between mono/stereo modes. A unique ambient sound mode allows you to hear surrounding conversations without removing the headphones. The system also includes a spare battery that charges in the transmitter base, ensuring continuous use.

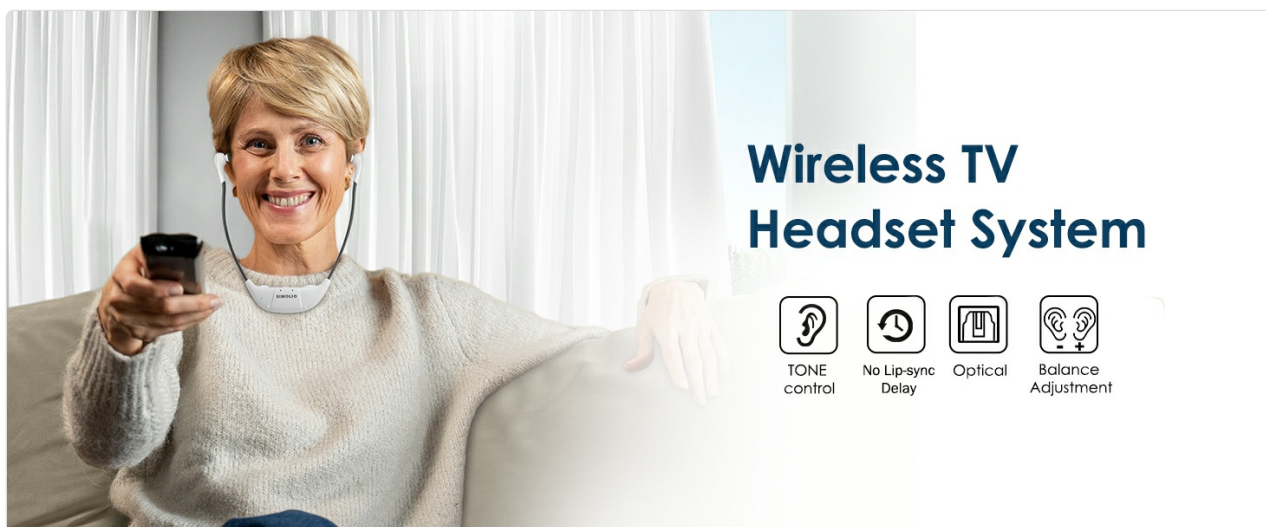


Figure 1: SIMOLIO Wireless TV Headset System with key features.

## WHAT'S IN THE BOX

Upon opening your SIMOLIO 2.4G Digital TV Wireless Headphones package, you will find the following

components:

- One Set of Headsets
- Transmitter
- AC Power Adapter
- Optical Cable, RCA Cable, AUX Cable
- Eartips, User Manual, Quick Guide

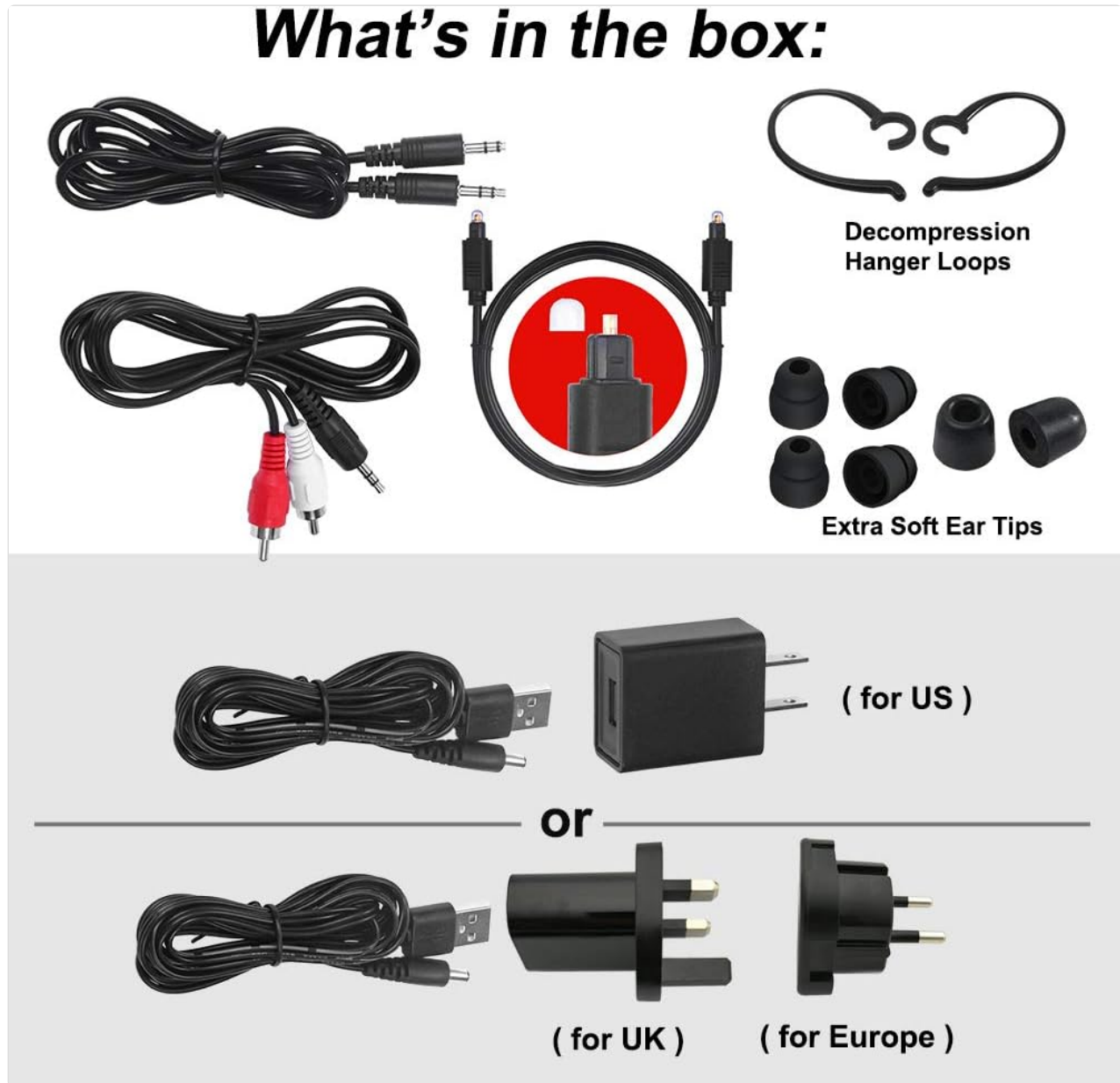


Figure 2: All components included in the product package.

## SETUP



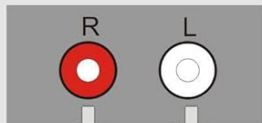



Setting up your SIMOLIO headphones is straightforward. The system supports multiple audio output options from your TV or AV devices, including Optical, RCA, and AUX. Ensure your TV's audio output format is set to PCM for digital connections.

### Connecting to Your TV/AV Device

Identify the available audio output ports on your TV or AV device. The SM-824D1 transmitter has corresponding input ports for seamless connection.



For Digital Optical connection, the Audio Format of your TV/related AV devices must be set to PCM

TV/TV related AV devices' Audio Outputs	 Digital Optical Audio Out	 3.5mm /Headphone	 RCA jacks labeled "Audio Out"
SM-823D SM-824D1 SM-824D2			

**Note:**

1. Only one transmitter is needed to connect to your TV/cable box etc.
2. There are three audio cords included for option, in the end, only one of them is needed to complete the installation.
3. One transmitter can support several headsets to work at the same time, if two headsets are required to use for the same TV, we suggest to buy SM-824D2 or SM-8245.

**Still not sure your TV connectivity?**

Contact us via [support@simolio.com](mailto:support@simolio.com) and show us the picture of your TV jack panel.

Figure 3: Common TV/AV device audio output options.

For Smart TVs, the optical connection is often preferred for superior sound quality.

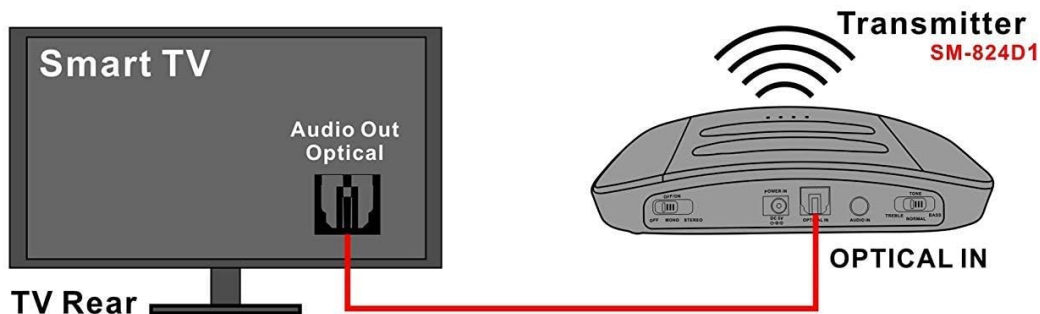


Figure 4: Connecting the transmitter to a Smart TV via optical output.

## Setting TV Audio Output Format (PCM)

For digital audio connections (Optical), it is crucial to set your TV's audio output format to PCM. This ensures compatibility with the wireless headphones.

Video 1: This video provides a comprehensive guide to understanding TV compatibility and adjusting TV-related audio settings, including setting the audio format to PCM.

Video 2: Learn how to troubleshoot and fix 'No Sound' issues when connecting to a Samsung TV's optical output.

Video 3: A guide to resolving 'No Sound' problems with your LG TV's optical output.

Video 4: Instructions on how to fix 'No Sound' from your Philips TV when connecting with optical.

## OPERATING

The SIMOLIO headphones are designed for intuitive operation, allowing you to easily control your audio experience.

## Audio Customization



Adjust the **TONE** to find the optimal sound frequency for clear audio. The **balance control** allows for independent right/left volume adjustment, ensuring equal hearing in both ears. You can also switch between **Mono/Stereo** modes.



Figure 5: Left-Right Balance Adjustment for personalized listening.

## Ambient Sound Listener

Activate the ambient sound mode (MIC) to hear conversations nearby without needing to remove your headphones. This feature is convenient for interacting with others while still enjoying your TV program.



Figure 6: Ambient Sound Listener (MIC ON) feature in use.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SIMOLIO headphones.

### Battery Care

The headphones come with a rechargeable and replaceable battery. A spare battery is always charged and ready in the transmitter base, ensuring uninterrupted TV watching. The system incorporates top-grade safety battery features, including 0V charging prohibition, pressure relief vent valve, short-circuit protection, and over-charge/over-discharge protection.

## Plug & Charge

Charging is as simple as putting the headphones back to the transmitter base. A spare battery is always charged in the specially designed charging compartment, ready for replacement at any time.



Figure 7: Plug & Charge functionality with spare battery slot.

Figure 8: Detailed view of the safety battery features.

## TROUBLESHOOTING

If you encounter any issues with your SIMOLIO headphones, please refer to the setup section and the following videos for common troubleshooting steps related to sound output and compatibility.

- Ensure all cables are securely connected to the correct audio output ports on your TV/AV device and the transmitter.
- Verify that your TV's audio output format is set to PCM, especially for optical connections.
- Check the volume levels on both your TV and the headphones.

For specific TV brand troubleshooting, refer to the videos in the Setup section.

## SPECIFICATIONS

Feature	Detail
Model Name	SM-824D1
Connectivity Technology	Wireless (RF)
Headphones Jack	RCA
Noise Control	Active Noise Cancellation
Included Components	AC Power Adapter, Transmitter, Eartips, User Manual, Quick Guide, Optical Cable, RCA Cable, AUX Cable, One Set of Headsets
Age Range (Description)	Adult
Material	Plastic

Feature	Detail
Item Weight	2.04 Ounces
Charging Time	3 Hours
Frequency Range	20 Hz - 20,000 Hz
Audio Latency	10 Milliseconds
Cable Length	2 Meters
Color	White
Ear Placement	Over Ear
Form Factor	In Ear
Impedance	32 Ohm

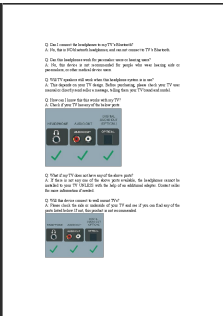

## WARRANTY AND SUPPORT



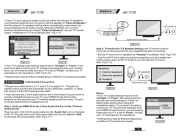

SIMOLIO offers protection plans for your product. You may consider purchasing a 2-Year Protection Plan for \$20.99 or a 3-Year Protection Plan for \$28.99. A Complete Protect plan is also available for \$16.99/month, covering all eligible past and future purchases until cancelled.

For detailed instructions, troubleshooting, and support, please refer to the official User Guide (PDF) available online: [SIMOLIO User Guide \(PDF\)](#).

© 2024 SIMOLIO. All rights reserved.

### Related Documents - SM-824D1

	<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 JH-737D Wireless Headphones User Manual</a></p> <p>User manual for SIMOLIO JH-737D Wireless Headphones, providing detailed instructions on setup, operation, safety, and troubleshooting. Includes product diagrams, package contents, button functions, and LED indicators.</p>

	<p><a href="#">SIMOLIO 2.4GHz Wireless TV Hearing Devices Quick Guide</a></p> <p>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.</p>
	<p><a href="#">SIMOLIO SM-825D Pro Wireless TV Headphones User Manual</a></p> <p>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>
	<p><a href="#">SIMOLIO JH-737D Wireless Audio System User Manual</a></p> <p>Comprehensive user manual for the SIMOLIO JH-737D wireless audio system, detailing setup, connection options (AUX, Optical, HDMI ARC, Soundbar, AV Receiver), and headphone pairing.</p>
	<p><a href="#">SIMOLIO SM-826D 2.4GHz Wireless TV Headphones User Manual</a></p> <p>Comprehensive user manual for the SIMOLIO SM-826D 2.4GHz Wireless TV Headphones, detailing setup, features, troubleshooting, and technical specifications for optimal TV audio experience.</p>