

ANSTEN

ANSTEN AS60 Wireless TV Headphones & Optical Fiber Splitter User Manual

Model: AS60

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ANSTEN AS60 Wireless TV Headphones and Optical Fiber Splitter. This system is designed to enhance your audio experience by allowing you to listen to TV audio wirelessly through headphones, and to connect multiple audio devices to a single optical output. The ANSTEN AS60 utilizes 2.4GHz wireless RF technology for stable audio transmission with minimal interference and delay, offering a wireless range of up to 197 feet. The headphones feature an independent DSP enhanced audio decoder chip, providing three distinct audio modes: Musical, Movie, and Normal. The included Toslink fiber optic audio splitter allows you to connect one optical audio source to two receiving devices simultaneously, eliminating the need for frequent cable changes.



Figure 1: ANSTEN AS60 Wireless TV Headphones and Optical Fiber Splitter.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- ANSTEN AS60 Wireless Headphones
- Wireless Transmitter Charging Dock
- Optical Fiber Splitter (Toslink 1-in-2-out)
- Power Adapter
- Optical Audio Cable
- RCA Audio Cable
- User Manual (this document)

Note: A 3.5mm audio cable is not included in the package.

SAFETY INFORMATION

To ensure safe and proper operation of your ANSTEN AS60 system, please observe the following precautions:

- Do not expose the devices to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the devices to strong impacts.
- Do not attempt to disassemble or repair the devices yourself. Refer all servicing to qualified personnel.

- Keep the devices away from strong magnetic fields.
- Ensure proper ventilation around the transmitter and charging dock.
- Use only the provided power adapter and cables.
- Prolonged listening at high volume levels may cause hearing damage. Adjust volume to a comfortable level.

PRODUCT OVERVIEW

Wireless Headphones

The ANSTEN AS60 headphones are over-ear headphones designed for comfort during extended use. They feature soft, durable padding and an adjustable foam band. Controls for volume and audio mode selection are located on the earcup.



Figure 2: Headphone features including charging contacts, adjustable band, and soft ear padding.

Transmitter Charging Dock

The transmitter serves as the base station for the wireless headphones and also functions as their charging dock. It features input ports for Optical, RCA, and AUX audio connections from your TV or other audio sources. The headphones

can be easily charged by placing them on the dock, utilizing contact points for a wire-free recharge.



Figure 3: Transmitter charging base with audio input ports.

Optical Fiber Splitter

The included Toslink 1-in-2-out optical fiber splitter allows you to duplicate a single optical audio output into two separate optical outputs. This is useful for connecting your TV's optical audio to both the headphone transmitter and another device like a soundbar simultaneously.



Figure 4: Optical Fiber Splitter.

SETUP

1. Charging the Headphones

Before first use, fully charge the headphones. Place the headphones onto the transmitter charging dock. The indicator light on the dock will show charging status. A full charge provides approximately 10 hours of audio playtime.

2. Connecting the Transmitter to Your TV

The transmitter supports Optical, RCA, and AUX audio inputs. Choose the appropriate cable based on your TV's available audio output port.

- **Optical Connection (Recommended):** Use the provided optical audio cable. Connect one end to your TV's Optical OUT port and the other end to the Optical IN port on the transmitter. Ensure the protective caps are removed from the optical cable ends before insertion.
- **RCA Connection:** Use the provided RCA audio cable. Connect the red and white plugs to the corresponding red and white RCA Audio OUT ports on your TV. Connect the other end to the RCA IN ports on the transmitter.
- **AUX Connection:** If your TV has a 3.5mm audio output (headphone jack), you can use a 3.5mm audio cable (not included) to connect it to the AUX IN port on the transmitter.

Note: The system does not support HDMI audio output. Ensure your TV's audio output is set to the correct format (e.g., PCM for optical).

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Figure 5: Compatible audio sources for the ANSTEN AS60 system.

3. Using the Optical Fiber Splitter (Optional)

If you need to connect both the headphone transmitter and another optical audio device (e.g., a soundbar) to a single optical output on your TV, use the optical fiber splitter:

1. Connect one end of an optical audio cable (not included) to your TV's Optical OUT port.
2. Connect the other end of this cable to the single input port on the optical fiber splitter.
3. Connect one optical audio cable from one of the splitter's output ports to the Optical IN port on the ANSTEN AS60 transmitter.
4. Connect another optical audio cable from the second splitter's output port to the optical input of your other audio device (e.g., soundbar).



Figure 6: Connecting multiple devices using the optical fiber splitter.

OPERATING INSTRUCTIONS

1. Powering On/Off

To power on the headphones, press and hold the power button on the earcup until the indicator light illuminates. To power off, press and hold the power button again until the light turns off.

2. Automatic Connection

Once the transmitter is powered on and receiving an audio signal, and the headphones are powered on, they should automatically connect via 2.4GHz RF technology. The indicator lights on both devices will confirm a successful connection.



Figure 7: The 2.4GHz RF signal provides a steady connection up to 197 feet, even through walls.

3. Adjusting Volume

Use the volume control buttons located on the earcup of the headphones to adjust the listening volume to your preference.

4. Switching Audio Modes

The headphones feature three distinct audio modes for an optimized listening experience. Press the dedicated mode button on the earcup to cycle through the modes:

- **Musical Mode:** Enhanced for music playback, providing rich bass and clear highs.
- **Movie Mode:** Optimized for cinematic experiences, offering immersive 3D surround sound.
- **Normal Mode:** Standard audio profile suitable for general listening, such as news or dialogue.

3 Different Sound Options

The sound can be tailored to your listening preferences that enhance your TV listening experience.



 **Normal**



 **Music**



 **Movie**

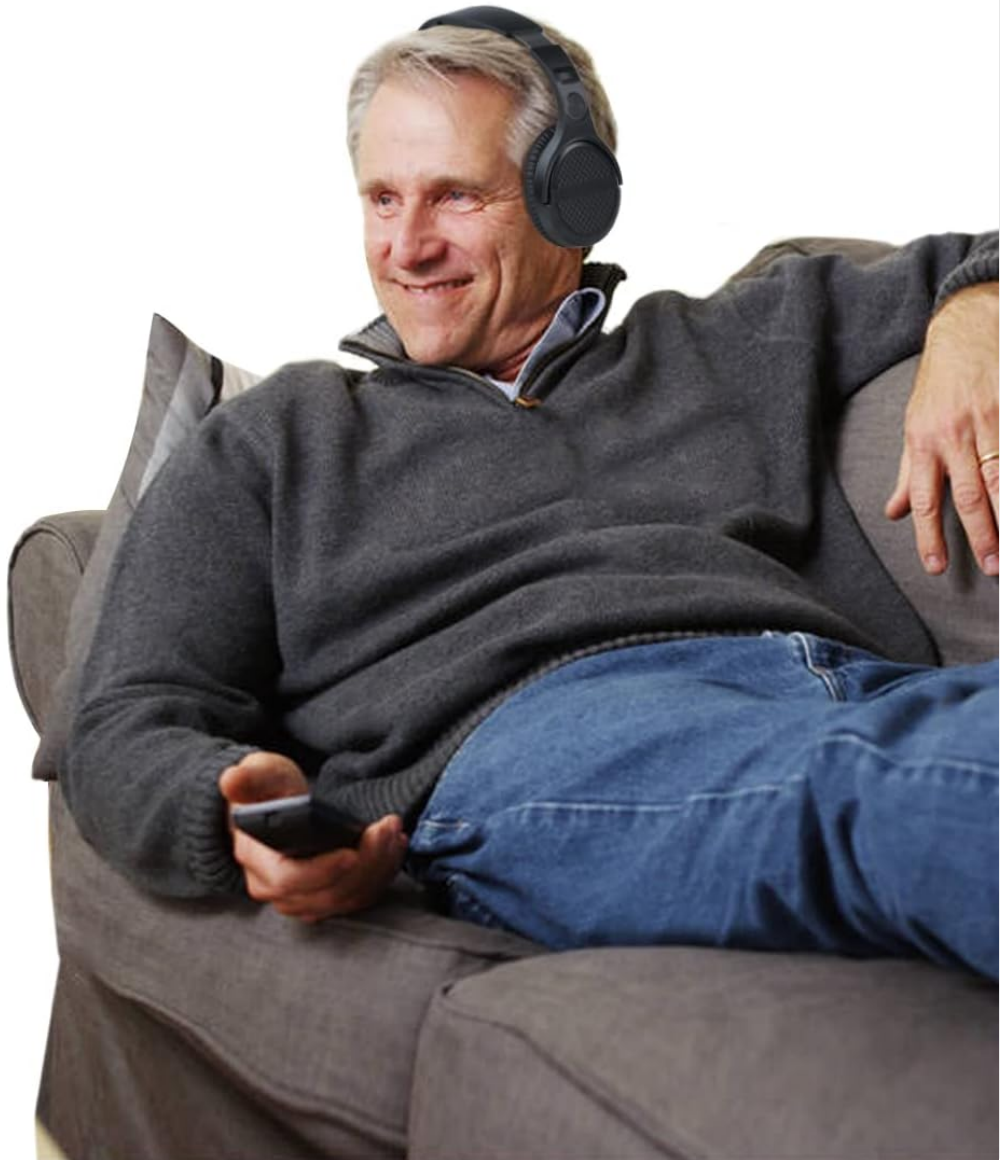


Figure 8: Select from Normal, Music, or Movie audio modes to tailor your listening experience.

MAINTENANCE

Proper maintenance ensures the longevity of your ANSTEN AS60 system:

- **Cleaning:** Use a soft, dry cloth to wipe down the headphones, transmitter, and splitter. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the headphones on the charging dock in a cool, dry place away from direct sunlight.
- **Battery Care:** For optimal battery life, avoid fully discharging the headphones frequently. Recharge them regularly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from headphones.	Headphones not powered on or not charged. Transmitter not powered on or not connected to TV. TV audio output settings incorrect.	Ensure headphones are charged and powered on. Verify transmitter is powered and connected to TV. Check TV audio output settings (e.g., set to PCM for optical). Increase volume on headphones and TV.
Poor sound quality or static.	Interference from other 2.4GHz devices. Headphones out of range. Low battery.	Move closer to the transmitter. Ensure no strong interference sources nearby. Recharge headphones.
Headphones not charging.	Headphones not properly seated on dock. Charging contacts dirty. Power adapter not connected to dock.	Reseat headphones on the dock. Clean charging contacts on both headphones and dock with a dry cloth. Ensure power adapter is securely connected to the dock and a power outlet.
Optical splitter not working.	Optical cables not fully inserted. Protective caps not removed. TV audio output not active.	Ensure all optical cables are securely connected and protective caps are removed. Verify TV is outputting audio via the optical port.

SPECIFICATIONS

Feature	Detail
Model Name	AS60
Connectivity Technology	Wireless (RF)
Wireless Communication Technology	RF (2.4GHz)
Wireless Range	Up to 197 ft (60m)
Headphones Jack	3.5 mm Jack (for wired connection, cable not included)
Audio Modes	Musical, Movie, Normal (with DSP)
Compatible Devices	Televisions, Soundbars, Headphones, Devices with Optical/RCA/AUX Audio Output, Devices with 3.5mm Audio Output
Control Type	Volume Control, Media (Mode Selection)
Ear Placement	Over Ear
Material	Plastic
Color	Black
Frequency Range	20 Hz - 20,000 Hz
Water Resistance Level	Not Water Resistant

WARRANTY AND SUPPORT

ANSTEN products are designed and manufactured to the highest quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the ANSTEN official website or

your purchase documentation.

You can also visit the [ANSTEN Store on Amazon](#) for additional product information and support resources.