



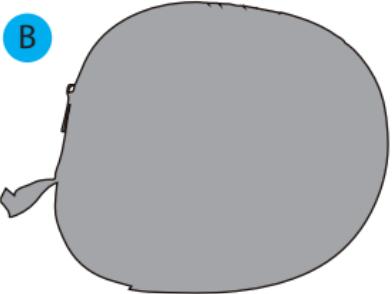
2.4G Wireless Headphones for TV

Quick Start Guide

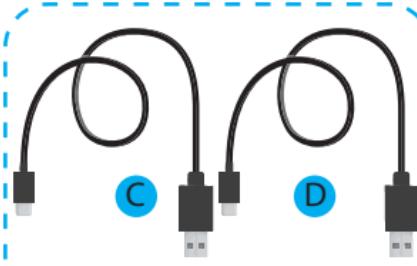


SKU: W6-WL

Package Contents



Transmitter Kit



A: 2.4G Wireless Headphones

B: Storage Case

C: USB-C Cable (for charging headphones)

D: USB-C Cable (for powering transmitter)

E: 3.5mm Aux Audio Cable

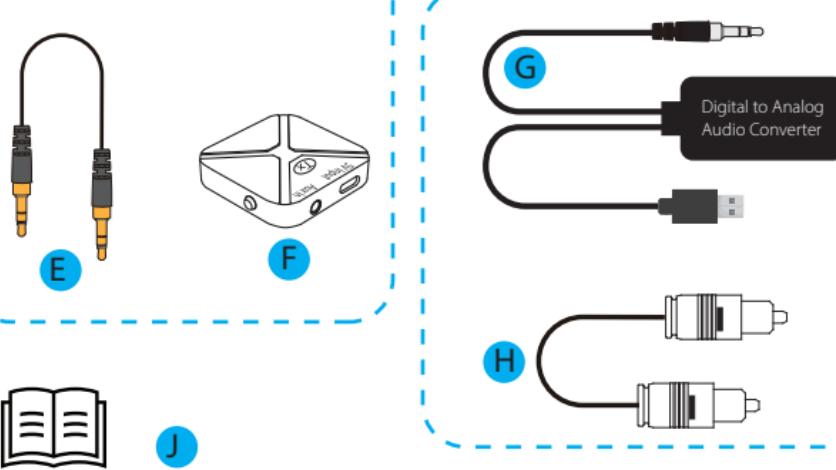
F: 2.4G Wireless Audio Transmitter

G: Optical to 3.5mm Aux Audio Converter

H: Optical Audio Cable

J: User Manual

Optical Audio Converter Kit



Headphones Introduction



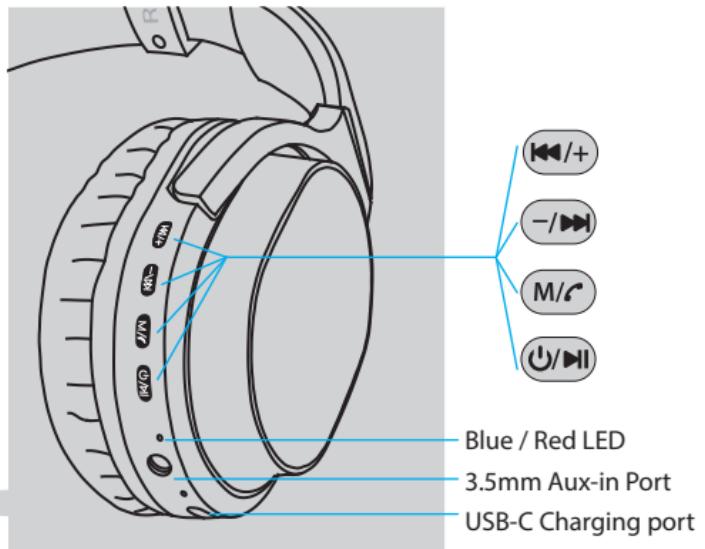
Button Functions

short press for Volume Up

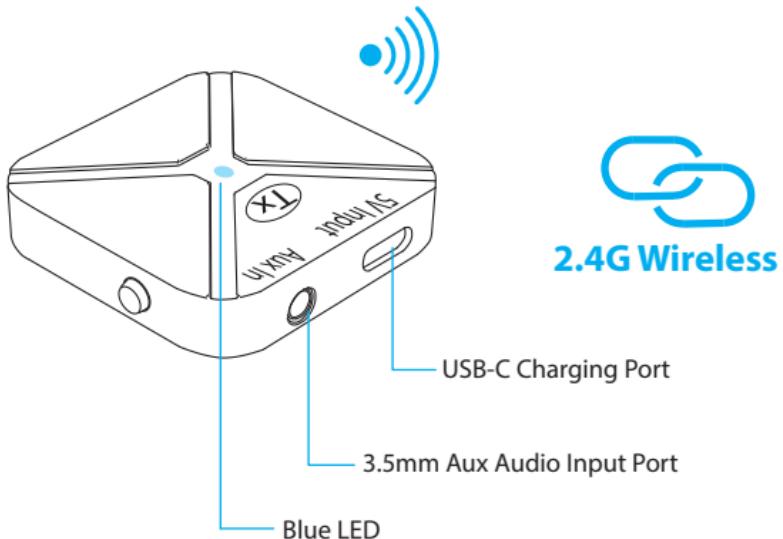
short press for Volume Down

long press for Quick Mute

long press for Turn On / Turn Off,
short press for check battery level



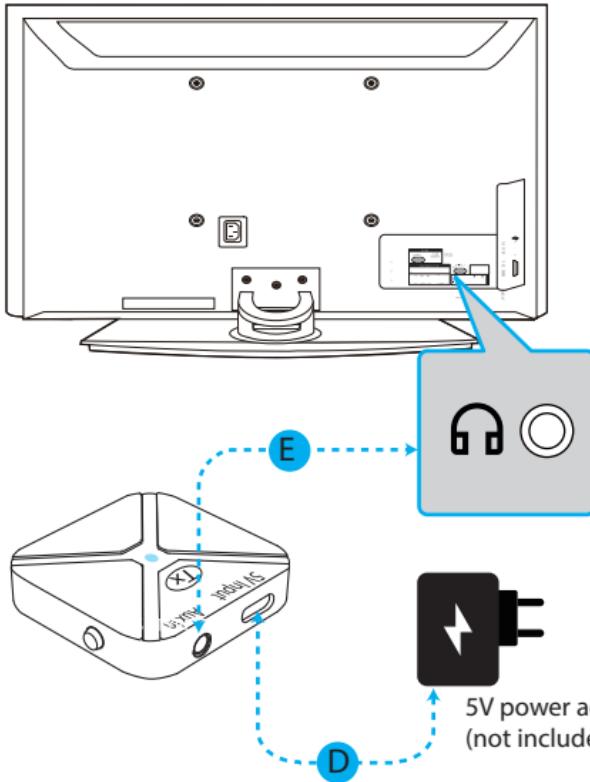
Transmitter Introduction



Note:

1. The transmitter has no built-in battery.
2. The transmitter will power on automatically when its USB-C port is connected to a 5V DC power source.

Connect TV via 3.5mm Aux Port



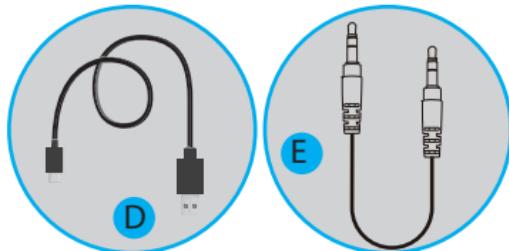
Connect TV via 3.5 mm AUX Audio Port

1. Connect the transmitter to a 5V power adapter (not included) using the USB-C cable.
2. Plug the included 3.5 mm AUX audio cable into the TV's 3.5 mm AUX output port, and connect the other end to the transmitter's AUX IN port.
3. Press the power button to turn on the headphones. You should now hear the TV audio through the headphones.



Troubleshooting Tips

If no sound is heard, check the TV's audio settings and set the sound output to **Headphones / Audio Out / Line Out / External Speaker / Analog Audio Out** or a similar option.

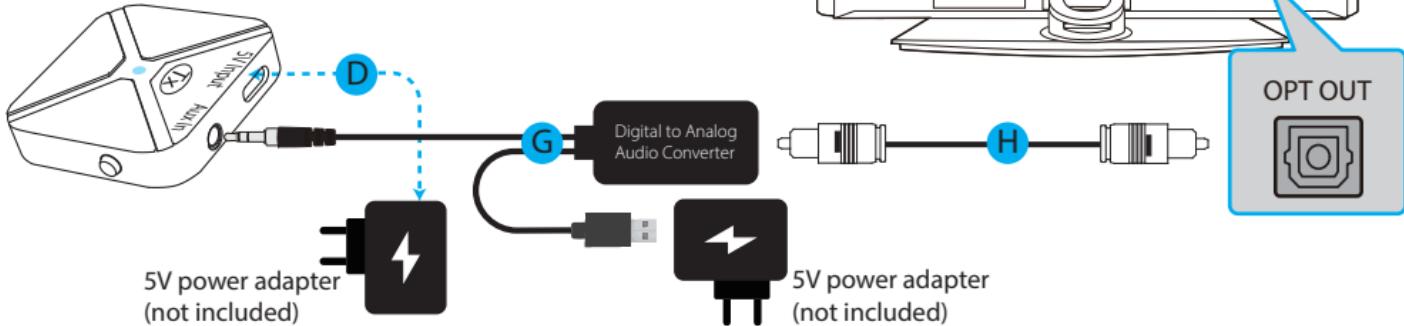


Connect TV via Optical Port

Connect TV via Optical Port

1. Connect the provided optical audio cable to the TV's **Optical OUT / OPT OUT** port, and the other end to the included **Digital-to-Analog Audio Converter (DAC)**.
2. Connect the DAC's 3.5 mm AUX output cable to the transmitter's **AUX IN** port, and plug the DAC's USB power cable into a 5V power source.
3. Use the USB-C cable to connect the transmitter to a 5V power adapter (not included).
4. Press the power button to turn on the headphones. The TV audio should now be heard through the headphones.

Note: Most TVs output audio through only one digital port at a time. If the TV's HDMI ARC port is in-use, the optical port may be disabled. To resolve this, either disconnect the HDMI ARC device or connect the transmitter using the AUX option instead.



Connect TV via Optical Port

Configure TV Settings for Optical Audio Output

If you connected the transmitter to your TV via the **Optical OUT / OPT OUT** port, you may need to adjust your TV's audio settings to receive sound.

STEP 1

Using your TV's remote control, press the **Settings** button and navigate to the **Audio** menu.

(Menu names may vary depending on your TV brand.)

STEP 2

Select **Audio Output** and choose **Optical Out / Digital Out**. *(Some TVs do this automatically—skip this step if already set.)*

STEP 3

Set the **Audio Output Format** to **PCM / Stereo = ON** and make sure **Dolby / Surround Sound = OFF**.

STEP 4

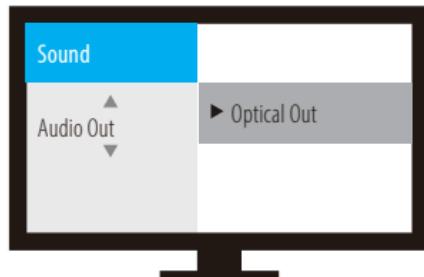
If no sound is heard from the headphones, restart your TV to apply the new settings.



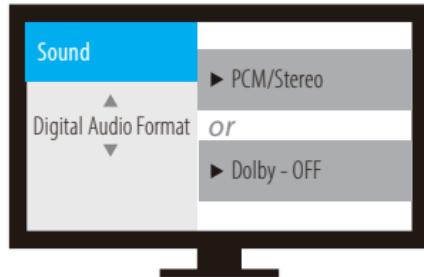
Troubleshooting Tips

1. Some Smart TVs automatically reset their audio settings after system updates. If you are not getting sound, check that the output format is set to **PCM** and **not "Auto"** or **"Dolby"**.
2. When using streaming apps such as Netflix or Amazon Prime Video, you may need to start playing the movie or show before changing the audio settings to PCM.

STEP 2



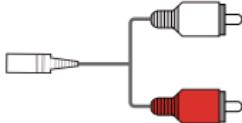
STEP 3



Expand Compatibility

If you can't find Optical or Aux audio port on TV

If your TV lacks an optical (Toslink) or aux (3.5mm) audio output, you can often still get analog audio (3.5mm / AUX) by using the right kind of Digital to Analog Converter (DAC) and adjusting the TV's audio settings appropriately. Below is a guide: what outputs you might see, how to convert them to AUX, and what audio settings to look for.

Diagram	Port Name	Adapter Figure	Adapter / Converter Name	Audio Settings on TV
	RCA (Red & White)		RCA to 3.5mm audio adapter	Set TV Audio Output to External Speaker or Analog
	USB		USB audio adapter (USB DAC / sound card)	Some USB ports only support storage, not audio
	HDMI ARC		HDMI ARC audio extractor or HDMI ARC audio splitter	Set TV Audio Output / Sound Out to HDMI ARC / ARC

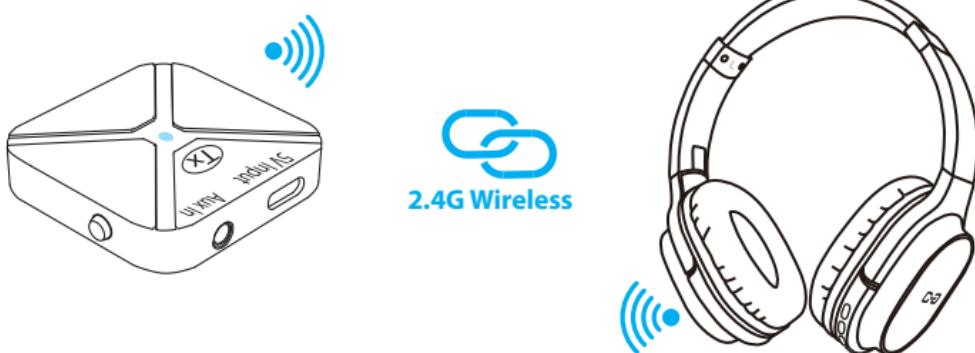
Connect Headphones & Transmitter

When the transmitter is powered by a DC 5V source and the 3.5mm audio plug is inserted into its AUX-In port, do as follows:

- **Long-press** the headphones' power button to turn it on, it will then connect with transmitter automatically.
- Once connected, the **blue LED** on both the transmitter and the headphones will flash slowly at the same pace (1 flash per second), and you will hear the voice prompt "connected" from the headphones.

Important Tips

1. You can check LED status to understand connection state:
 - Fast flash: Waiting for connection
 - Slow flash: Connected
2. If you unplug the 3.5 mm audio plug from AUX-In or cut power to the transmitter, you'll hear the voice prompt "disconnected".
3. If you encounter any issue during connection between the headphone & transmitter, please see the "**Frequent Q&A**" section for troubleshooting.



Multi-Headphones Connection

The W6-WL transmitter can support up to 100 sets of W6-WL headphones. Follow these steps to connect two or more headphones to the transmitter:

STEP 1

Connect the transmitter to the TV's audio output, and power it using a USB power source. Ensure that **ONLY ONE** W6-WL transmitter is turned on in the area to avoid interference.

STEP 2

Turn on the first W6-WL headphone. You will hear "connected" once it successfully pairs with the transmitter.

STEP 3

Turn on the second W6-WL headphone. You will hear "connected" once it pairs. At that point, both the first and second headphones will receive the same audio. You can continue adding more W6-WL headphones simply by turning them on (one by one).

STEP 4

Each headphone can adjust its own volume using its "Volume +" and "Volume -" buttons. The volume setting is independent per headphone.

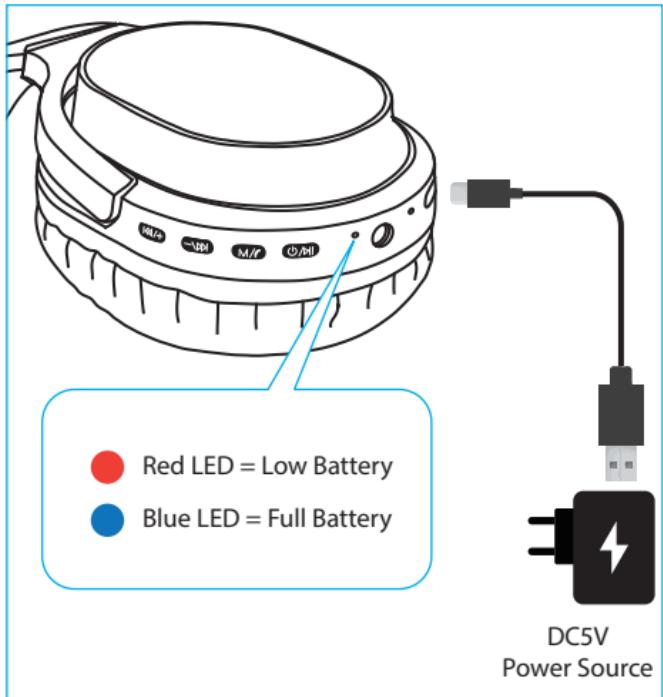


Battery & Charging Instructions

1. The headphones use a 1,000mAh lithium-polymer battery and support up to 48 hours of TV playback.
2. When the battery falls below 10%, you will hear a voice prompt: "low battery", to remind you to recharge soon.
3. If the battery becomes fully drained, a voice prompt "battery low, power off" will play, and the headphones will automatically power off.
4. To recharge, use the included USB-C cable and connect it to a DC 5V power source. Using a 5V / 1A adapter, a full charge takes about 4 hours.
5. While the headphones are powered on, you can quick-press the power button to hear a voice prompt indicating the battery level:
 - "battery high" means above 20%
 - "battery low" means 20% or less

Important Tips:

- To extend battery life, **turn off** the headphones when not in use. Otherwise, they will remain active and continue draining power even if the TV is off.
- Avoid leaving the headphones unused for long periods with zero charge, at least recharge it every 3 months to maintain battery health.



Basic Specifications

W6-WL Headphones

Frequency Range: 20-20,000Hz

Speaker Sensitivity: 100-106dB

Speaker Impedance: 32Ohm

Carrier Wireless Frequency: 2.4G

Wireless Transmission Range: 100ft / 30M

Operating Battery: 3.7V, 1000mAh (3.7Wh)

Play Time: Up to 48hours

Rated Input: DC 5V / 1A

W6-WL Transmitter

Operating Voltage: DC 5V

Power Input Port: USB-C

Audio Input: 3.5mm / 1/8" Aux Audio

Carrier Wireless Frequency: 2.4G

Wireless Transmission Range: 100ft / 30M

Frequent Question & Answer

Q: My headphones have no sound when connected to the transmitter—what do I do?

A: Try these steps in order:

1. Check connections & power

- Confirm the transmitter is connected to a **valid TV audio output** (Optical/Toslink, RCA/AUX, HDMI ARC via extractor, or USB audio if supported). Re-seat all cables firmly.
- Confirm the 5V power adapter you're using for the transmitter / converter / adapter is working properly
- Ensure **only one** transmitter is powered on nearby to avoid interference or confusion.

2. Confirm the headphone is connected to the transmitter

- Power on the headphone and wait for the "connected" voice prompt. The LED on both the headphone and the transmitter should slowly flash in blue at the same pace.
- If you don't hear the voice prompt, it's likely the 3.5mm audio plug is not firmly inserted into the transmitter.

3. Verify the TV's audio settings (critical)

- If using **Optical/Toslink** (or an **HDMI-ARC extractor** feeding Optical), set TV Digital Audio Out to PCM / Stereo (not Auto/Bitstream/Dolby/DTS). This single change resolves most "no sound" cases with DACs/extractors.
- If using **RCA / 3.5 mm AUX**, set the TV's output to **Headphones** or **External Speakers/Analog** (wording varies). Some TVs offer a "Simultaneous" mode; check your model's sound-out menu.
- If using **HDMI ARC** via extractor, ensure **ARC is enabled** on the TV and follow the extractor's instructions. Many guides also recommend **PCM** for compatibility. Some TVs only support one digital output mode at a time, so disconnect other digital outputs and only keep the way you wanted.

4. Restart TV

- Some TVs only activate newly selected audio paths after a reboot.

Extra tips

- Keep the transmitter in open air and ensure a clear line of sight to the headphones for best signal strength.
- Double-check that the TV volume or digital output isn't muted or set to a very low level for that output.
- Some RCA jacks are inputs, not outputs. Always check the label by the ports.
- For extractors / DACs, confirm the input direction is correct (i.e. TV -> DAC) and that the converter is properly powered.

Contact Us

For more answers to questions like these, you can contact us directly for additional assistance by e-mail to
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