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## UGREEN Bluetooth 5.0 Transmitter/Receiver & Bluetooth 5.3 Car Adapter Bundle

# UGREEN Bluetooth Audio Adapters User Manual

Model: Bluetooth 5.0 Transmitter/Receiver & Bluetooth 5.3 Car Adapter Bundle

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the UGREEN Bluetooth 5.0 Transmitter and Receiver Bundle, which includes a versatile 2-in-1 Bluetooth 5.0 adapter and a dedicated Bluetooth 5.3 Car Adapter. These devices enable wireless audio transmission and reception, enhancing your audio experience across various non-Bluetooth devices.



*Image 1.1: UGREEN Bluetooth 5.0 Transmitter and Receiver (TX/RX) adapter. This compact device features a 3.5mm audio jack and control buttons.*

# Hands-free Calling

Hands-free design to ensure driving safely



Image 1.2: UGREEN Bluetooth 5.3 Car Adapter. This adapter is designed for in-car use, featuring a built-in microphone for hands-free calling.

## 2. SAFETY INFORMATION

For safe use of your UGREEN Bluetooth audio adapters, please observe the following guidelines:

- Keep the device away from water, moisture, and extreme temperatures (both hot and cold) to prevent damage and ensure proper operation.
- Do not attempt to disassemble, modify, or repair the product yourself. Unauthorized modifications may void the warranty and pose safety risks.
- When disposing of the device, follow all local regulations and ordinances for electronic waste recycling. Do not dispose of with household waste.
- Exercise caution when handling devices with built-in batteries. Avoid short-circuits, punctures, or exposing the battery to excessive heat, as this may lead to fire or explosion.
- The device operates using wireless signals and may cause interference with other electronic devices. Use responsibly and in accordance with local regulations regarding radio frequency emissions.
- Ensure proper ventilation when using the device, especially during charging, to prevent overheating.

## 3. SETUP AND PAIRING

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### 3.1. UGREEN Bluetooth 5.0 Transmitter/Receiver (2-in-1 Adapter)

This adapter can function as both a transmitter (TX) and a receiver (RX).

1. **Power On:** Press and hold the multi-function button until the LED indicator flashes.
2. **Select Mode:** Use the TX/RX switch on the side of the device to select the desired mode.

# Mode Switching

Toggle the button to choose TX or RX Mode



Image 3.1: Toggle the switch to select TX (Transmitter) or RX (Receiver) mode.

### 3. Connect to Audio Source/Device:

- **TX Mode (Transmitter):** Connect the 3.5mm audio jack of the adapter to the audio output port of your non-Bluetooth device (e.g., TV, PC, MP3 player). The adapter will then transmit audio wirelessly to Bluetooth headphones or speakers.
- **RX Mode (Receiver):** Connect the 3.5mm audio jack of the adapter to the audio input port of your non-Bluetooth audio system (e.g., car stereo, home theater, wired headphones). The adapter will receive audio

wirelessly from your Bluetooth-enabled phone or tablet.

#### 4. Pairing:

- Ensure the adapter is in pairing mode (LED flashing rapidly).
- On your Bluetooth device (headphones/speakers in TX mode, phone/tablet in RX mode), search for "UGREEN-XXXX" (or similar) in the Bluetooth settings and connect.



*Image 3.2: The 2-in-1 adapter can be used to connect Bluetooth headphones to in-flight entertainment systems.*

### 3.2. UGREEN Bluetooth 5.3 Car Adapter

This adapter is specifically designed for car audio systems, enabling Bluetooth connectivity and hands-free calling.

1. **Connect to Car Audio:** Plug the 3.5mm audio jack of the car adapter into your car's AUX input port.
2. **Power On:** Connect the USB-C charging port of the adapter to a USB power source in your car (e.g., USB car charger, car's USB port). The adapter will power on automatically.
3. **Pairing:**
  - The adapter will automatically enter pairing mode (LED indicator flashing).
  - On your smartphone or other Bluetooth-enabled device, search for "UGREEN-XXXX" (or similar) in the Bluetooth settings and connect.



Image 3.3: Visual guide for pairing the UGREEN Bluetooth Car Adapter with a smartphone.

## 4. OPERATING INSTRUCTIONS

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### 4.1. UGREEN Bluetooth 5.0 Transmitter/Receiver (2-in-1 Adapter)

- **TX Mode (Transmitter):** Transmits audio from non-Bluetooth devices (e.g., TV, PC) to Bluetooth headphones or speakers. Ideal for watching TV with private audio or connecting older audio sources to modern wireless speakers.

# 2 In 1 Function



**RX Mode:** Easily connect two devices simultaneously



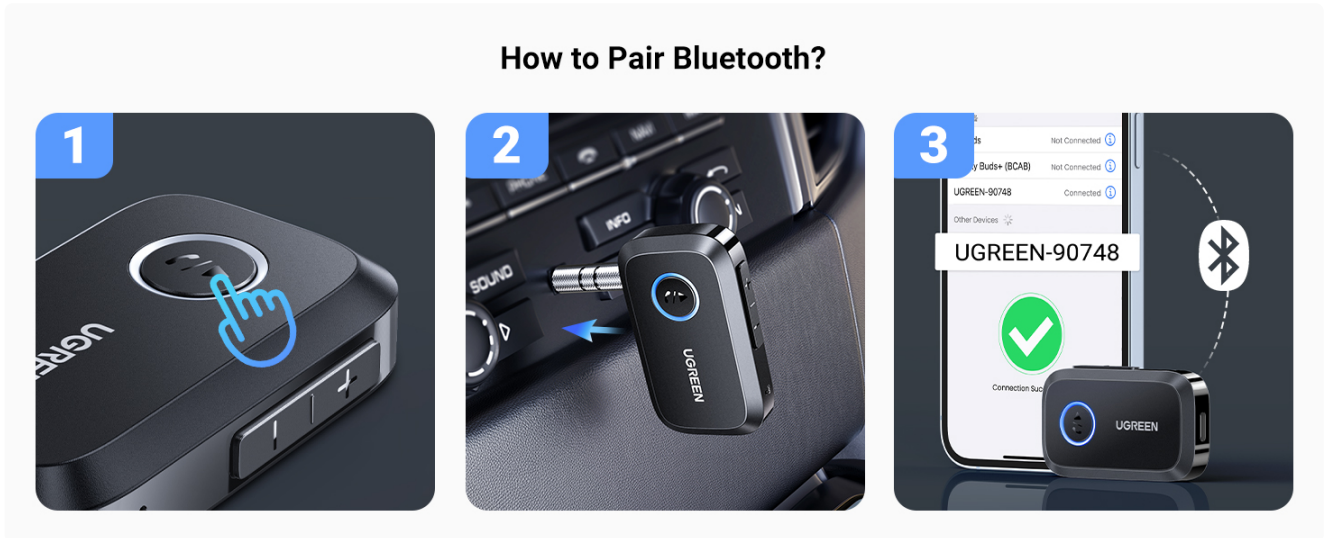
**TX Mode:** Easily connect two Bluetooth headphones simultaneously

*Image 4.1: Illustration of the 2-in-1 adapter's functionality in both RX (receiving from phone to speaker) and TX (transmitting from TV to headphones) modes.*

- **RX Mode (Receiver):** Receives audio from Bluetooth-enabled devices (e.g., smartphone, tablet) and outputs it to non-Bluetooth audio systems (e.g., car stereo, home stereo, wired headphones). Transforms traditional audio systems into Bluetooth-enabled ones.
- **Dual Device Connection:** The adapter can be paired with two Bluetooth devices simultaneously in both TX and RX modes. This allows for sharing audio or switching between devices without re-pairing.
- **Controls:** Use the multi-function button for power on/off and pairing. Volume and track controls may be available on the connected Bluetooth device or the audio source.

## 4.2. UGREEN Bluetooth 5.3 Car Adapter

- **Music Playback:** Once paired, audio from your smartphone will stream wirelessly to your car's speakers via the AUX input.



*Image 4.2: The car adapter facilitates both music streaming and hands-free calls while driving.*

- **Hands-Free Calling:** The adapter features a built-in microphone and a large one-touch button for call management.
  - **Answer/End Call:** Press the large button once.
  - **Reject Call:** Press and hold the large button for 2 seconds.

# Hands-free Calling

Hands-free design to ensure driving safely



**Built-in  
Microphone**

**Reject call**  
Press for 2 seconds

**Answer/end a call**  
Press for 1 second

Image 4.3: The car adapter's design with a built-in microphone and large button for easy call management.

- **Dual Device Connection:** This adapter can also connect to two Bluetooth devices simultaneously, allowing you to switch between calls and music freely from different phones.

# Latest Bluetooth 5.3

Better and more stable sound quality



More stable connection



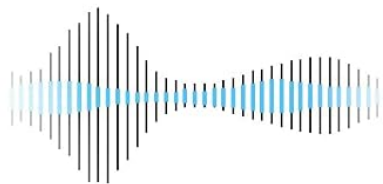
Faster transmission



Wider range



**Signal-  
Noise Ratio**



Bluetooth 5.0  $\leq 70\text{dB}$



Bluetooth 5.3  $\geq 90\text{dB}$

Image 4.4: The car adapter supports simultaneous connection to two Bluetooth devices, such as two smartphones.

- **Battery Life (Car Adapter):** The car adapter offers up to 15 hours of continuous music playback or 200 hours of standby time on a full charge. It fully charges in approximately 2 hours via USB-C.

# Connect Dual Devices Simultaneously

Switch between calls and music freely



Image 4.5: Visual representation of the car adapter's battery performance, including 15 hours runtime and 2-hour charging time.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the surface of the adapters. Do not use liquid cleaners, aerosols, or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in

use.

- **Battery Care:** For devices with built-in batteries, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use, to maintain battery health.
- **Handling:** Handle the adapters with care. Avoid dropping them or subjecting them to strong impacts.

## 6. TROUBLESHOOTING

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Problem	Possible Cause / Solution
<b>Device does not power on.</b>	Battery is depleted. Charge the device fully. Ensure the USB-C cable is properly connected to a power source (for car adapter).
<b>Cannot pair with a Bluetooth device.</b>	Ensure the adapter is in pairing mode (LED flashing rapidly). Make sure Bluetooth is enabled on your source device (phone, headphones, etc.). Move the devices closer to each other. Clear the Bluetooth pairing list on your source device and try re-pairing. Restart both the adapter and your source device.
<b>No audio or poor audio quality.</b>	Check if the 3.5mm audio cable is securely connected to both the adapter and the audio source/receiver. Ensure the correct mode (TX/RX) is selected on the 2-in-1 adapter. Adjust the volume on both the adapter and the connected audio device. Move away from sources of interference (e.g., Wi-Fi routers, other Bluetooth devices). For car adapter, ensure car stereo input is set to AUX.
<b>Hands-free calling not working (Car Adapter).</b>	Ensure the car adapter is successfully paired and connected to your phone. Check your phone's Bluetooth settings to ensure "Phone audio" is enabled for the adapter. Ensure the microphone on the adapter is not obstructed.

## 7. SPECIFICATIONS

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Feature	Detail
<b>Brand</b>	UGREEN
<b>Product Name</b>	Bluetooth 5.0 Transmitter and Receiver Bundle with Bluetooth 5.3 Car Adapter
<b>Connectivity Technology</b>	Auxiliary, Bluetooth
<b>Wireless Communication Standard</b>	Bluetooth
<b>Bluetooth Version (2-in-1 Adapter)</b>	Bluetooth 5.0
<b>Bluetooth Version (Car Adapter)</b>	Bluetooth 5.3
<b>Power Source</b>	Battery Powered (internal rechargeable)
<b>Playtime (2-in-1 Adapter RX Mode)</b>	Up to 5.5 hours
<b>Playtime (2-in-1 Adapter TX Mode)</b>	Up to 8 hours
<b>Playtime (Car Adapter)</b>	Up to 15 hours
<b>Standby Time (Car Adapter)</b>	Up to 200 hours
<b>Charging Port (Car Adapter)</b>	USB-C
<b>Charging Time (Car Adapter)</b>	Approx. 2 hours
<b>Special Features</b>	2-in-1 (TX/RX), Hands-Free Calling, Built-in Microphone, Dual Device Connection, Bluetooth 5.3, Bluetooth 5.0

## 8. WARRANTY AND SUPPORT

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UGREEN products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or customer service, please refer to the official UGREEN website or contact their customer support directly.

You can visit the official UGREEN store on Amazon for more information and support:[UGREEN Official Store](#)