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› UGREEN Bluetooth 6.0 Audio Adapter Stereo System User Manual

## UGREEN 55545

# UGREEN Bluetooth 6.0 Audio Adapter Stereo System User Manual

Model: 55545

## INTRODUCTION

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Thank you for choosing the UGREEN Bluetooth 6.0 Audio Adapter Stereo System. This device is designed to upgrade your existing audio equipment, such as speakers, amplifiers, and car radios, with high-quality wireless Bluetooth audio capabilities. Featuring LDAC Hi-Res Audio support and Bluetooth 6.0 technology, it ensures a stable, low-latency, and high-fidelity audio experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you get the most out of your new audio adapter.



Image: The UGREEN Bluetooth 6.0 Audio Adapter, shown with its included 3.5mm audio cable and USB-C charging cable.

## PACKAGE CONTENTS

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Please check the package contents to ensure all items are present:

- 1 x UGREEN Bluetooth 6.0 Audio Adapter
- 1 x USB-C Charging Cable (3FT/1M)
- 1 x 3.5mm Audio Cable (3FT/1M)
- 1 x User Manual

**Lower Latency  
& More Stable  
Connection**

**Bluetooth  
6.0**



Image: A visual representation of the product dimensions and the items included in the package: the adapter, USB-C charging cable, 3.5mm audio cable, and user manual.

## PRODUCT FEATURES

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- **LDAC Hi-Res Audio:** Supports LDAC coding technology for high-resolution HIFI quality audio, certified with Hi-Res Audio Gold Standard Quality.
- **Bluetooth 6.0 Technology:** Equipped with a Bluetooth 6.0 chip for stable, low-latency wireless audio transmission and reliable signal over long distances.
- **Dual Connectivity:** Capable of pairing with two Bluetooth devices simultaneously. Note: When one device is playing music, the other device will pause.
- **15-Hour Long Battery Life:** Provides up to 15 hours of continuous playback on a single charge. Supports USB-C charging and fully charges in 2 hours.
- **Versatile Audio Output:** Features both 3.5mm and 2 RCA audio outputs for compatibility with a wide range of audio devices, including speakers, amplifiers, and car radios.
- **Durable Design & User-Friendly Controls:** Constructed with a fireproof shell for safety and longevity. Includes an intuitive multifunction button for play/pause, pairing, and factory reset. Automatically shuts off after 5 minutes of inactivity to conserve power.

# Enjoy Lossless HiFi Music

With LDAC, AAC and SBC

## Sound Quality

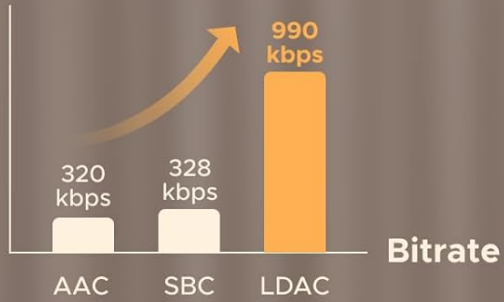


Image: A woman is shown enjoying music streamed via the UGREEN adapter connected to a speaker. An overlay graphic illustrates the superior bitrate of LDAC (990 kbps) compared to SBC (328 kbps) and AAC (320 kbps), highlighting the lossless Hi-Fi audio quality.

# Lower Latency & More Stable

Equipped with Latest Bluetooth 6.0 Chip

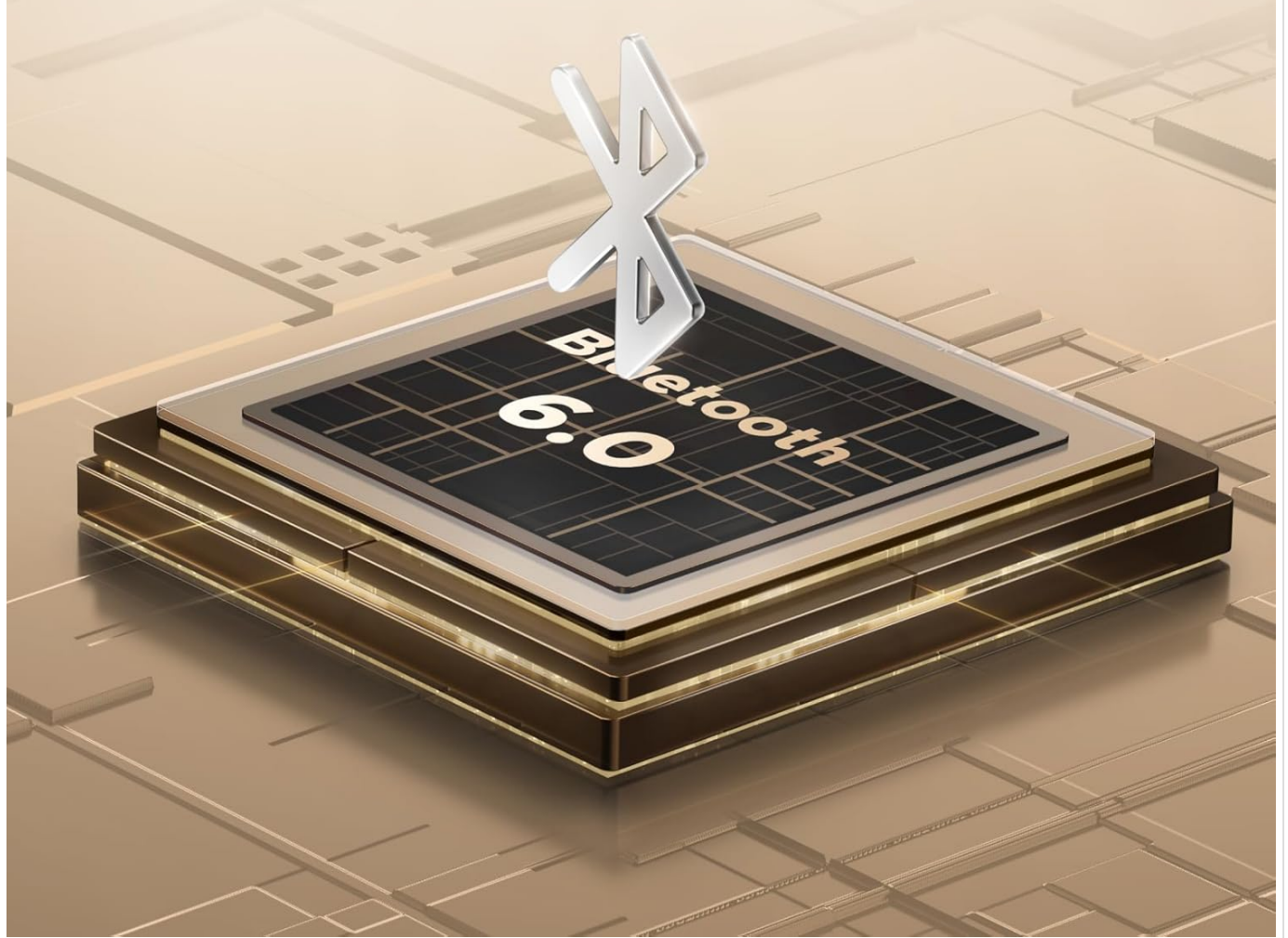


Image: A stylized graphic depicting a microchip with the Bluetooth 6.0 logo, emphasizing the adapter's advanced technology for lower latency and a more stable wireless connection.

# Compatible Devices



Image: A diagram illustrating the versatility of the UGREEN adapter, showing its compatibility with various devices such as smartphones, laptops, tablets, speakers, amplifiers, headsets, and car radios, connected via 3.5mm AUX or RCA outputs.

## SETUP

### 1. Initial Charging

Before first use, fully charge the UGREEN Bluetooth Audio Adapter using the provided USB-C cable and a compatible USB power source (e.g., wall adapter, computer USB port). The red indicator light will stay on during charging and turn off when fully charged.

### 2. Connecting to Audio Devices

Connect the audio adapter to your desired audio system (speaker, amplifier, car radio) using either the 3.5mm AUX cable or the RCA audio cables (not included for RCA, but compatible with the adapter's RCA ports).

- **For 3.5mm AUX:** Plug one end of the 3.5mm audio cable into the AUX output port of the adapter and the other end into the 3.5mm input port of your audio device.

- **For RCA:** Plug RCA cables (red and white) into the corresponding RCA output ports of the adapter and connect them to the RCA input ports of your audio device.

### 3. First-Time Pairing

Follow these steps to pair your Bluetooth device with the adapter for the first time:

1. Connect the speaker to the receiver through the 3.5mm port.
2. Press the Multi-function Button for 3 seconds to power on and enter pairing mode. The red and blue lights will flash alternately.
3. On your phone or Bluetooth-enabled device, turn on Bluetooth and search for "UGREEN-BT505".
4. Select "UGREEN-BT505" to pair. Once connected successfully, the blue light will flash once every ten seconds.



Image: A step-by-step diagram showing how to connect the adapter to a speaker, activate pairing mode by pressing the multifunction button, search for "UGREEN-BT505" on a smartphone, and confirm successful connection indicated by the blue light.

## OPERATING INSTRUCTIONS

### Basic Functions

Function	How to Use	Indicator Light	Voice Notification	Notes
Power on	Press the Multi-function Button for 3 Seconds	The blue light stays on for one second	Power on	/
Power off	Press the Multi-function Button for 3 Seconds	The red light stays on for one second	Power off	/

Function	How to Use	Indicator Light	Voice Notification	Notes
Enter pairing mode	Double-click the "Multi-function button" when powered on	Red and Blue Lights Flash Alternately	pairing	1. First power on (no connection history), automatically enters pairing mode. 2. In no connection state, double-click the multi-function button to enter pairing mode (if not connected within 5 minutes in pairing mode, it will automatically turn off). 3. In the connected dual-device mode, double-click to disconnect the device that is not playing music or the first device that was connected.
Pairing successful	/	The Blue Light Flashes Once Every Ten Seconds	bluetooth connected	When the phone is playing music, the indicator light will display according to the current audio codecs in use. The indicator light will stay on for 3 seconds every 10 seconds. The indicator light status for different codecs is as follows: SBC: Cyan; AAC: Blue; LDAC: Green.
Play / Pause	Press the "Multi-function button" once while music is playing	/	/	/
Power-on auto reconnect	If there is a connection history, the product will automatically reconnect within 16 seconds after powering on. If the reconnection fails, it will enter pairing mode.	The Blue Light Flashes Once Every Five Seconds	/	/
Restore factory settings (Clear ID records)	Press the "Multi-function button" for ten seconds when power on	The blue light stays on for five second	/	Automatically power on and enter pairing mode after completion
Low battery warning	/	The red light Flashes Once Every Ten Seconds	low battery	/
Charging	/	Charging: Red light stays on. Fully charged: Red light turns off.	/	The red charging indicator light is located above the power input, different from the position of the product status indicator light.

**Experience  
Extraordinary  
Clarity Sound**



Image: A table detailing the functions, usage instructions, indicator light behavior, voice notifications, and important notes for the UGREEN Bluetooth adapter's various modes and states.

**Enjoy Lossless  
HIFI Music**

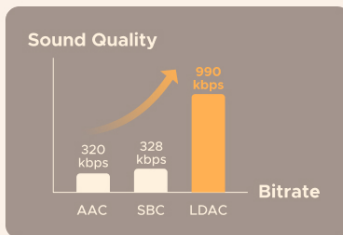


Image: Continuation of the table, providing further details on functions such as Play/Pause, auto-reconnect, factory reset, low battery warning, and charging status.

## Dual Pairing

The adapter supports connecting to two Bluetooth devices simultaneously. To enable dual pairing:

1. Ensure the first device is already paired and connected.
2. Double-click the Multi-function Button on the adapter to enter pairing mode for the second device. The red and blue lights will flash alternately.
3. On your second Bluetooth-enabled device, turn on Bluetooth and search for "UGREEN-BT505".
4. Select "UGREEN-BT505" to pair. Both devices will now be connected.

**Note:** When one device is actively playing music, the other connected device will automatically pause its playback.



Image: A diagram illustrating the steps for dual pairing: double-clicking the multifunction button to enter pairing mode, searching for the device on a second phone, and showing both phones successfully connected to the adapter.

## MAINTENANCE

To ensure the longevity and optimal performance of your UGREEN Bluetooth Audio Adapter, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the adapter. Avoid using abrasive cleaners, solvents, or strong chemicals, as they may damage the device.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** To preserve battery life, avoid fully discharging the battery frequently. If the device will not be used for an extended period, charge it to about 50% before storing. Recharge every few months to prevent deep discharge.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components.

## TROUBLESHOOTING

If you encounter any issues while using your UGREEN Bluetooth Audio Adapter, please refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Cannot power on the adapter	Low battery or no charge.	Charge the adapter using the provided USB-C cable. Ensure the charging indicator light is on.
Cannot pair with a Bluetooth device	Adapter not in pairing mode; Bluetooth on device is off; device too far; interference.	Ensure the adapter's red and blue lights are flashing alternately (pairing mode). Turn off and on Bluetooth on your device. Move closer to the adapter. Avoid strong electromagnetic interference.

Problem	Possible Cause	Solution
No sound after successful pairing	Incorrect audio cable connection; volume too low; incorrect audio input selected on speaker/amplifier.	Check if the 3.5mm or RCA cables are securely connected to both the adapter and your audio device. Increase the volume on both your Bluetooth device and the connected audio system. Ensure the correct audio input (e.g., AUX, Line In) is selected on your speaker/amplifier.
Audio quality is poor or distorted	Weak Bluetooth signal; interference; source audio quality.	Move your Bluetooth device closer to the adapter. Avoid obstacles between the devices. Reduce interference from other wireless devices. Ensure the source audio file is of high quality.
Connection drops frequently	Distance too far; interference; low battery.	Keep the Bluetooth device within the effective range (typically up to 10 meters). Minimize interference. Ensure the adapter is sufficiently charged.
Dual pairing not working as expected	Incorrect procedure; one device not paused.	Follow the dual pairing instructions carefully. Remember that when one device plays, the other will pause. Double-check the pairing status of both devices.
Adapter automatically shuts off	Inactivity.	This is a power-saving feature. The adapter will automatically turn off after 5 minutes of inactivity. Power it on again to resume use.

## SPECIFICATIONS

Feature	Detail
Brand	UGREEN
Model Number	55545
Bluetooth Version	6.0
Supported Audio Codecs	LDAC, AAC, SBC
Audio Output Types	3.5mm AUX, 2RCA
Battery Life	Up to 15 hours
Charging Port	USB-C
Charging Time	Approx. 2 hours
Material	Aluminium (Fireproof shell)
Product Dimensions	7.1 x 6.6 x 2.4 cm (2.62 x 2.03 x 0.78 inches)
Item Weight	120 grams
Power Source	Battery Powered (Lithium Ion)
Voltage	5 Volts (DC)

## WARRANTY AND SUPPORT

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UGREEN products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official UGREEN website. If you encounter any issues or have questions about your UGREEN Bluetooth Audio Adapter, please contact UGREEN customer support through their official channels for assistance.

Please retain your proof of purchase for warranty claims.

