

User Manual

1. Product Overview

Thank you for choosing our Multifunctional Cup Holder with integrated 2.0 speaker system. This device combines a practical cupholder with a built-in stereo speaker, supporting single-mode Bluetooth audio playback. It is designed for indoor fixed installations only, not for portable use.



1.1 Key Features

- Integrated 2.0-channel stereo speaker system
- Bluetooth wireless audio streaming
- Stable DC 24V - 36V power supply
- Recessed installation design for seamless integration
- Simple pairing and plug-and-play operation

1.2 Specifications

Parameter Details

Product Name Multifunctional Cup Holder (2.0 Speaker)

Power Supply DC 24V - 36V

Audio Output 2.0 Channel Stereo

Bluetooth Version double-mode Bluetooth

Bluetooth Range Up to 10 meters (open space, no obstacles)

Operating Environment fixed use only

2. Safety Precautions

Please read and follow these safety guidelines before use:

- Power Safety: Only use a regulated DC 24 - 36V power adapter that meets safety standards. Do not connect to any other voltage range, as this may cause permanent damage or fire hazards.
- Installation: Install the device in a flat, stable, well-ventilated location. Do not block the speaker grille or ventilation openings.
- Water & Moisture: Keep the unit away from liquids, high humidity, or rain. Do not immerse any part of the device in water.
- Disassembly: Do not attempt to open, modify, or repair the device yourself. Unauthorized disassembly will void the warranty and may cause electric shock.

3. Package Contents

Please verify that all items are included in the package before installation:

1. Multifunctional Cup Holder (with built-in 2.0 speakers) ×1
2. Wiring harness (with power/control connectors) ×1
3. User Manual ×1

4. Installation Instructions

1. Location Selection: Choose a suitable position for recessed installation (e.g., furniture, cabinet, or custom fixture) that matches the device's dimensions. Ensure there is enough space for the unit and wiring.
2. Mounting: Secure the main unit in the pre-cut opening using the mounting clips or brackets (compatible with standard recessed installation requirements).
3. Power Connection:
 - Connect the white power connector to a regulated DC 24 – 36V power supply.
 - Double-check that the positive (+) and negative (–) terminals are correctly aligned to avoid short circuits.
4. Control Wiring: If applicable, connect the additional control wires to the matching interface (for future expansion or system integration, if required).
5. Final Check: Ensure all connections are tight and insulated, then test the power supply before proceeding to operation.

5. Operation Guide

5.1 Powering On

- After connecting the DC 24 – 36V power supply, the device will automatically enter standby mode. The Bluetooth function will activate within 3 seconds.

5.2 Bluetooth Pairing (Single-Mode)

1. On your audio device (smartphone, tablet, or computer), enable Bluetooth in the settings menu.
2. Search for available Bluetooth devices. The controller will appear as `Cupholder Speaker` (default name; may vary by batch).
3. Select the device to connect. If prompted, enter the default pairing code `0000` or `1234`.
4. A confirmation tone (or LED indicator, if present) will signal successful pairing.
5. Once paired, the device will automatically reconnect to your audio device when powered on (if within range).

Note: This is a single-mode Bluetooth device. It can only connect to one audio device at a time. Disconnect the current device before pairing a new one.

- After pairing, play audio from your connected device. The sound will be output through the integrated 2.0 stereo speakers.
- Adjust the volume using your audio device's controls (the unit itself does not have independent volume control unless specified).

6. Troubleshooting

Issue	Possible Cause	Solution
No power	Loose connection, incorrect voltage, or faulty power supply	Check wiring connections; confirm the power supply is DC 24 - 36V.
Bluetooth not found	Device not powered on, out of range, or already paired to another device	Verify power is on; move the audio device within 10 meters; unpair existing devices.
Connected but no sound	Muted audio device, low volume, or connection glitch	Unmute your device; increase volume; disconnect and re-pair Bluetooth.
Distorted audio	Insufficient power supply, overheating, or obstruction of the speaker grille	Check power stability; ensure ventilation; clean the speaker grille if blocked.

7. Maintenance & Care

- Clean the cupholder surface and speaker grille with a soft, dry cloth. Do not use water, alcohol, or harsh chemical cleaners.
- Inspect the wiring harness periodically for signs of wear, fraying, or damage. Replace damaged cables immediately.
- If the device is not in use for an extended period, disconnect the power supply and store it in a cool, dry place.

8. Warranty & Support

This product comes with a 1-year limited warranty against manufacturing defects. The warranty does not cover damage from misuse, improper installation, water exposure, or unauthorized modification.

For technical support or warranty claims, please contact your authorized supplier.

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.