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 - > DS18 BTC-Five Universal Wireless Bluetooth 5.3 Audio Receiver User Manual

DS18 BTC-FIVE

DS18 BTC-Five Universal Wireless Bluetooth 5.3 Audio Receiver User Manual

Model: BTC-FIVE | Brand: DS18

INTRODUCTION

The DS18 BTC-Five is a universal wireless Bluetooth 5.3 audio receiver designed to provide high-fidelity audio streaming for various applications, including car audio, marine audio, powersport audio, and motorcycle audio. Its robust design, including an IP66 waterproof rating, ensures reliable performance in diverse environments. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to help you get the most out of your BTC-Five receiver.

SAFETY INFORMATION

Caution: Do not expose to extreme temperatures or humidity. Keep away from direct sunlight and water. Do not dispose of in fire. Follow local regulations for battery disposal.

PRODUCT OVERVIEW

The DS18 BTC-Five is a compact and durable Bluetooth audio receiver. It features a robust housing and integrated wiring for power, ground, remote out, and RCA audio outputs.

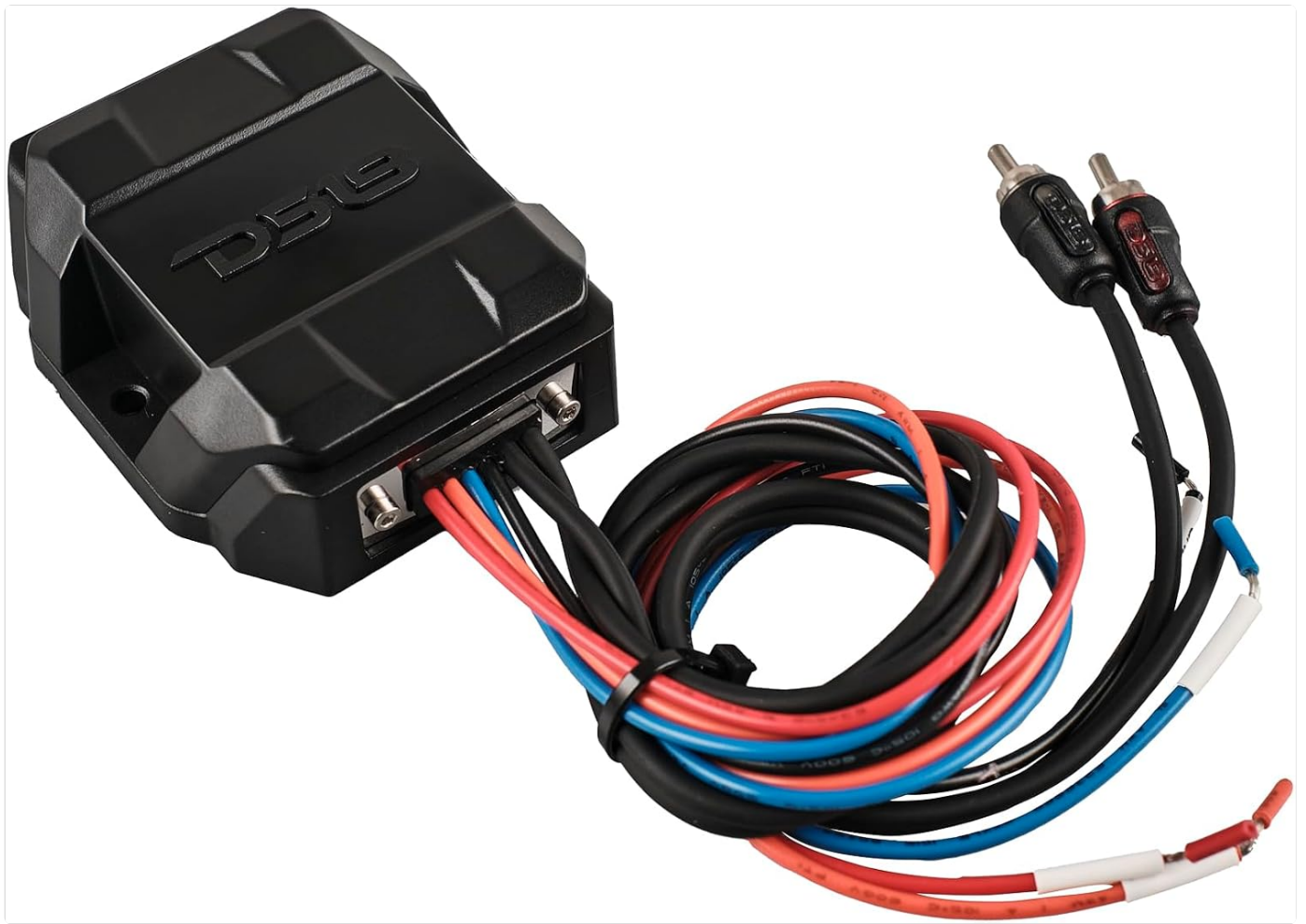


Image: The DS18 BTC-Five Bluetooth Audio Receiver, showing its compact black housing and integrated multi-colored wiring harness with RCA outputs.



Image: Bottom view of the DS18 BTC-Five, displaying the product label with model number, FCC ID, and basic specifications.

INSTALLATION AND SETUP

Proper installation is crucial for optimal performance and safety. Ensure all connections are secure and correctly wired.

Wiring Guide



Image: A detailed wiring diagram for the DS18 BTC-Five, illustrating connections to battery, accessory switch, ground, remote out, and RCA outputs to an amplifier.

- **Battery (Red Wire):** Connect this wire directly to the positive (+) terminal of your vehicle's 12V battery.
- **Ground (Black Wire):** Connect this wire to a solid chassis ground point on your vehicle. Ensure a clean, secure connection.
- **Accessory (Orange Wire):** Connect this wire to a switched 12V source, such as an accessory switch or ignition wire. This will turn the BTC-Five on and off with your vehicle.
- **Remote Out (Blue Wire):** This wire provides a 12V output when the BTC-Five is powered on. Connect this to the remote turn-on input of your external amplifier to power it on simultaneously.
- **RCA Outputs (Black and Red RCA Cables):** Connect these RCA cables to the audio input of your amplifier. The black RCA typically corresponds to the left channel, and the red RCA to the right channel.

The BTC-Five is designed for seamless system integration, allowing it to easily power external amplifiers without complicated wiring or controls.

OPERATING INSTRUCTIONS

Bluetooth Pairing

1. Ensure the DS18 BTC-Five is properly installed and powered on.
2. On your mobile device (iOS or Android), navigate to the Bluetooth settings.
3. Search for available Bluetooth devices. The BTC-Five should appear in the list.
4. Select the BTC-Five to pair. Once paired, your device will connect automatically.
5. The BTC-Five features an auto-reconnection function, remembering your device for hassle-free streaming on subsequent uses.

Audio Streaming

Once paired, you can stream audio from your device to the BTC-Five. The Bluetooth 5.3 technology provides an impressive range of up to 130 feet (40 meters), ensuring stable, high-fidelity streaming without signal drop-offs. The 3.3V RCA pre-output and 96dB signal-to-noise ratio contribute to enhanced sound clarity.

MAINTENANCE

The DS18 BTC-Five is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** The unit has an IP66 waterproof rating, meaning it is protected against powerful water jets. While it is rugged, avoid submerging the unit or exposing it to extreme water pressure. Ensure all connections are properly sealed if exposed to moisture.
- **Connection Check:** Periodically check all wiring connections to ensure they remain secure and free from corrosion, especially in marine or outdoor environments.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to the unit.	Incorrect wiring; Blown fuse; Loose connection.	Check battery, ground, and accessory wire connections. Verify fuse in power line (if applicable). Ensure all connections are tight.
Cannot pair with Bluetooth device.	BTC-Five not in pairing mode; Device too far; Bluetooth off on source device.	Ensure BTC-Five is powered on. Move source device closer. Turn Bluetooth off and on again on your device. Restart both devices.
No audio output or distorted sound.	Incorrect RCA connections; Amplifier not powered on; Volume too low; Source audio quality issue.	Check RCA connections to amplifier. Ensure amplifier is powered on (check remote out wire). Increase volume on both source device and amplifier. Try a different audio source.
Bluetooth connection drops frequently.	Device out of range; Interference; Obstructions.	Keep source device within the 130-foot range. Minimize physical obstructions between the device and receiver. Avoid strong electromagnetic interference sources.

SPECIFICATIONS

Feature	Detail
Model Number	BTC-FIVE
Bluetooth Version	5.3
Bluetooth Range	Up to 130 feet / 40 Meters
Water Resistance Rating	IP66
RCA Output Voltage	3.3 V Stereo RCA Output
Signal-to-Noise Ratio	96dB
Connectivity Technology	Bluetooth
Power Source	Corded Electric (12V DC)
Material	Polycarbonate (PC)
Item Weight	6.4 ounces
Package Dimensions	7.32 x 3.39 x 1.42 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official DS18 website or contact DS18 customer service directly. Keep your proof of purchase for any warranty claims. Visit the [DS18 Store](#) for more information and product updates.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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