

Fosi Audio BR10C

Fosi Audio BR10C Bluetooth 5.0 Music Receiver DAC Instruction Manual

Model: BR10C

1. INTRODUCTION

The Fosi Audio BR10C is a versatile Bluetooth 5.0 music receiver, digital-to-analog converter (DAC), and headphone amplifier designed to integrate wireless audio streaming into your home stereo system. It supports high-fidelity aptX and aptX Low Latency codecs, ensuring high-quality audio transmission with minimal delay. The BR10C features multiple output options, including analog RCA, optical S/PDIF, coaxial S/PDIF, and a 3.5mm headphone output, making it compatible with a wide range of audio equipment.

This manual provides detailed instructions for setting up, operating, and maintaining your BR10C device, along with troubleshooting tips and product specifications.



Image 1.1: Fosi Audio BR10C Bluetooth 5.0 Music Receiver DAC.

2. PACKAGE CONTENTS

Before proceeding with the setup, please verify that all items are present in the package:

- 1x Fosi Audio BR10C Bluetooth Receiver
- 1x Bluetooth Antenna
- 1x USB Charging Cable (USB-A to Micro-USB)

- 1x Optical Cable
- 1x User Manual



Image 2.1: Included accessories with the BR10C unit.

3. DEVICE OVERVIEW

3.1 Front Panel



Image 3.1: Front panel controls and indicators.

1. **Power Indicator:** Illuminates when the device is powered on.
2. **Bluetooth Indicator:** Flashes during pairing, solid when connected.
3. **Analog Indicator:** Illuminates when analog output is selected.
4. **Digital Indicator:** Illuminates when digital output is selected.
5. **Power Switch (ON/OFF):** Toggles the device power.
6. **Input Select Button:** Switches between analog and digital outputs.
7. **Headphones Output (3.5mm):** Connects to headphones.

8. **Volume Control:** Adjusts the volume for both headphone and RCA outputs.

3.2 Rear Panel



Image 3.2: Rear panel connections.

1. **RF Antenna Connector:** For attaching the Bluetooth antenna.
2. **Optical Output (DIGITAL OUT):** Connects to a DAC or amplifier with optical input.
3. **Coaxial Output (DIGITAL OUT):** Connects to a DAC or amplifier with coaxial input.
4. **RCA Analog Output (R/L ANALOG OUT):** Connects to active speakers or an amplifier.
5. **DC 5V Input:** Power input for the device.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Fosi Audio BR10C:

1. **Attach the Antenna:** Screw the provided Bluetooth antenna into the RF connector on the rear panel of the BR10C. Ensure it is securely fastened for optimal signal reception.
2. **Connect Power:** Connect the USB charging cable to the DC 5V input on the rear panel. Plug the other end into a 5V USB power adapter (not included) or a computer's USB port. The Power indicator on the front panel will illuminate.
3. **Connect to Audio System:**
 - **Analog Output:** Use RCA cables (not included) to connect the R/L ANALOG OUT ports on the BR10C to the analog input of your amplifier, active speakers, or home theater system.
 - **Digital Output:** Use the provided optical cable or a coaxial cable (not included) to connect the OPTICAL or COAXIAL DIGITAL OUT ports on the BR10C to the corresponding digital input of an external DAC or amplifier.
 - **Headphone Output:** Plug your headphones into the 3.5mm HEADPHONE output on the front panel.

Works with your audio system

BR10 easily fits into your stereo system. The inputs and outputs provide compatibility with your existing digital and analog audio equipment, you can play music from your Bluetooth sources —and it's designed to fit in an audio rack.

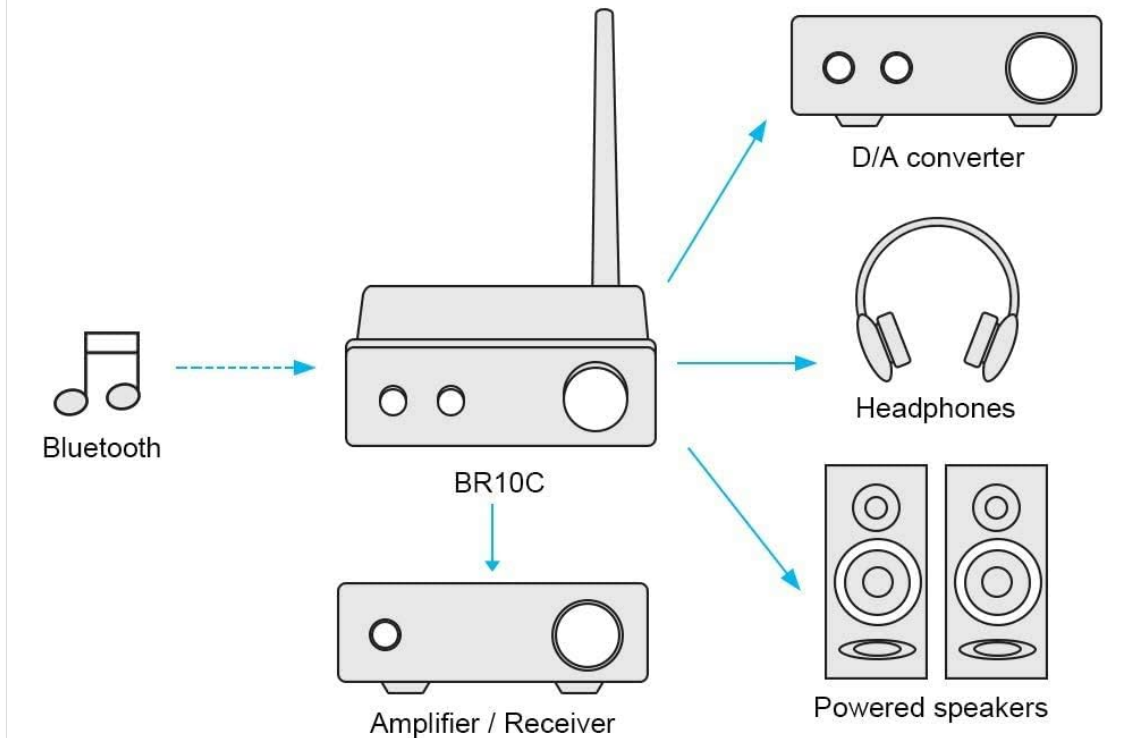


Image 4.1: Connection diagram for the BR10C with different audio systems.

5. OPERATING INSTRUCTIONS

Once the BR10C is set up, follow these steps to operate it:

1. **Power On:** Press the ON/OFF power switch on the front panel. The Power indicator will light up.
2. **Select Output:** Press the SELECT button to toggle between Analog and Digital outputs. The corresponding indicator (Analog or Digital) will illuminate.
3. **Bluetooth Pairing:**
 - The Bluetooth indicator will flash, indicating the BR10C is in pairing mode.
 - On your Bluetooth-enabled device (e.g., smartphone, tablet, computer), go to the Bluetooth settings and search for available devices.
 - Select "Fosi Audio BR10C" from the list.
 - Once connected, the Bluetooth indicator on the BR10C will become solid.
4. **Play Audio:** Start playing audio from your paired device. The sound will be transmitted wirelessly to the BR10C and output through the selected audio connection.
5. **Adjust Volume:** Use the Volume Control knob on the front panel to adjust the output volume for both the headphone and RCA analog outputs.

Bluetooth 5.0 support aptX and aptX low latency;



Image 5.1: Wireless audio streaming setup with the BR10C.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Fosi Audio BR10C, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Placement:** Place the device on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the unit.
- **Antenna Care:** Handle the Bluetooth antenna carefully. Do not bend or apply excessive force, as this can damage the connector or reduce signal quality.
- **Power Supply:** Always use a 5V, 1A or higher quality power adapter. Using an incorrect power supply can damage the device.

7. TROUBLESHOOTING

If you encounter issues with your BR10C, refer to the following troubleshooting tips:

- **No Power:**
 - Ensure the power cable is securely connected to both the BR10C and the power

adapter/USB port.

- Verify that the power adapter is functioning correctly and providing 5V.
- Press the ON/OFF switch firmly.

- **Cannot Pair Bluetooth:**

- Ensure the BR10C is powered on and the Bluetooth indicator is flashing.
- Make sure your source device's Bluetooth is enabled and within range (up to 35m unobstructed, 15m with obstruction).
- Try turning off and on Bluetooth on your source device, or restarting the BR10C.
- If previously paired, try "forgetting" the device on your source and re-pairing.

- **No Sound Output:**

- Check that the correct output (Analog or Digital) is selected on the BR10C (corresponding indicator should be lit).
- Verify all audio cables (RCA, optical, coaxial, headphone) are securely connected to both the BR10C and your audio system/headphones.
- Ensure your amplifier/active speakers/headphones are powered on and set to the correct input.
- Adjust the volume on both the BR10C and your audio source/system.
- If using digital output, ensure your external DAC/amplifier is compatible with the digital signal from the BR10C.

- **Intermittent Audio / Poor Sound Quality:**

- Ensure the Bluetooth antenna is securely attached.
- Reduce the distance between the BR10C and your Bluetooth source device.
- Remove any obstructions (walls, large furniture) between the devices.
- Avoid placing the BR10C near other wireless devices that may cause interference (e.g., Wi-Fi routers, microwaves).
- Ensure your source device is playing high-quality audio files.

- **Clicking Sound (DAC Activation/Deactivation):**

- Some users report a clicking sound when the DAC activates or deactivates, particularly when connected to a computer and system sounds trigger it. This is often a characteristic of the DAC chip's power management. While not a malfunction, minimizing system sounds or using a dedicated audio player might reduce its occurrence.

8. SPECIFICATIONS

Feature	Specification
Inputs	Bluetooth 5.0
Outputs	3.5mm Headphone Output, Optical Output, Coaxial Output, RCA Analog Output
Frequency Response	10Hz-20kHz (+/-0.5dB)

Feature	Specification
THD+N (1 KHz FS 96 kS/s)	<0.006%
SNR (CC at 20 KHz)	>100 dB
Crosstalk	>-86dB
D/A Converter Chip	PCM5102
Bluetooth Chip	CSR QCC3008
Supported Bluetooth Profiles	aptX, aptX Low Latency
Power Requirement	DC 5V, 1A or more
Headphone Impedance	10 ohms to 64 ohms
Operating Range	Up to 35m (115ft) unobstructed, 15m (50ft) with obstruction
Dimensions (L x W x H)	98mm x 73.5mm x 33mm (excluding antenna)



Image 8.1: Physical dimensions of the BR10C.

9. WARRANTY AND SUPPORT

The Fosi Audio BR10C comes with an 18-month manufacturer's warranty. For warranty claims or technical support, please contact Fosi Audio directly.

Contact Information:

- Email: customer@fosiudioshop.com

For additional specifications or further assistance, please reach out to our customer support team.