

DROK DR-US180082

DROK Portable Bluetooth Audio Receiver Board

Model: DR-US180082

INTRODUCTION

This manual provides detailed instructions for the DROK Portable Bluetooth Audio Receiver Board. It covers product features, setup, operation, and maintenance to ensure optimal performance and longevity of your device. This versatile module allows you to add Bluetooth audio receiving, USB decoding, and TF card playback capabilities to your audio systems.

PRODUCT FEATURES

- **Three Audio Input Modes:** Bluetooth receive, USB decoding play, and TF card decoding play.
- **Power Supply:** DC 5V via Micro USB.
- **Effective Bluetooth Transmission Distance:** 10-15 meters.
- **Supported Audio Formats:** MP3, WMA, WAV, FLAC.
- **Audio Output:** Direct connection to headphones, active loudspeakers, or amplifiers.
- **Integrated Controls:** MODE, NEXT, BACK, EQ buttons for comprehensive control.

PACKAGE CONTENTS

- 1 x DROK Bluetooth Audio Receiver Board

PRODUCT OVERVIEW

Familiarize yourself with the components and connections of the audio receiver board.

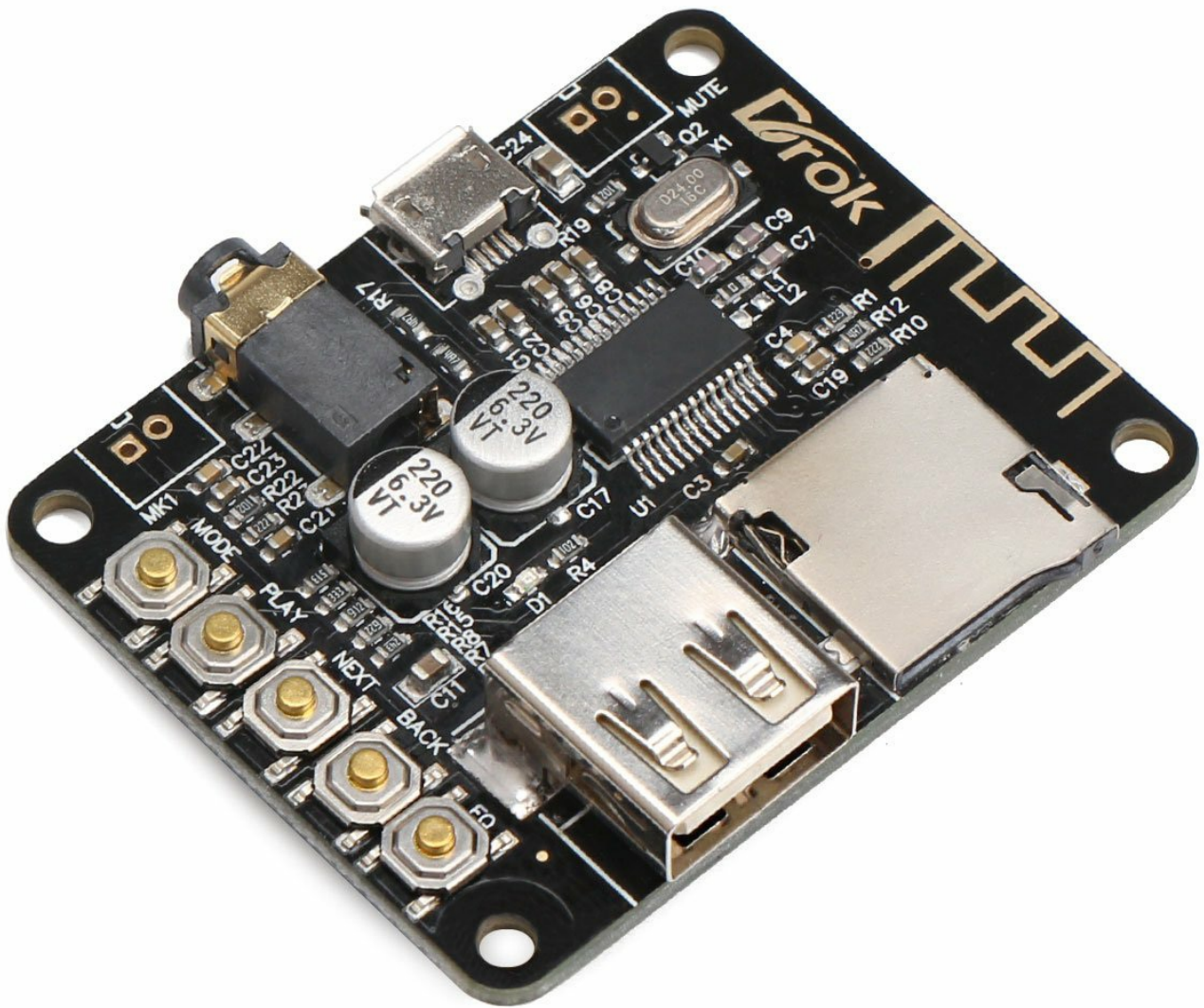


Figure 1: Component Diagram of the DROK Bluetooth Audio Receiver Board. Key components include the Micro USB 5V power input, audio output jack, USB port, TF card slot, Bluetooth antenna, and control buttons (MODE, PLAY, NEXT, BACK, EQ).

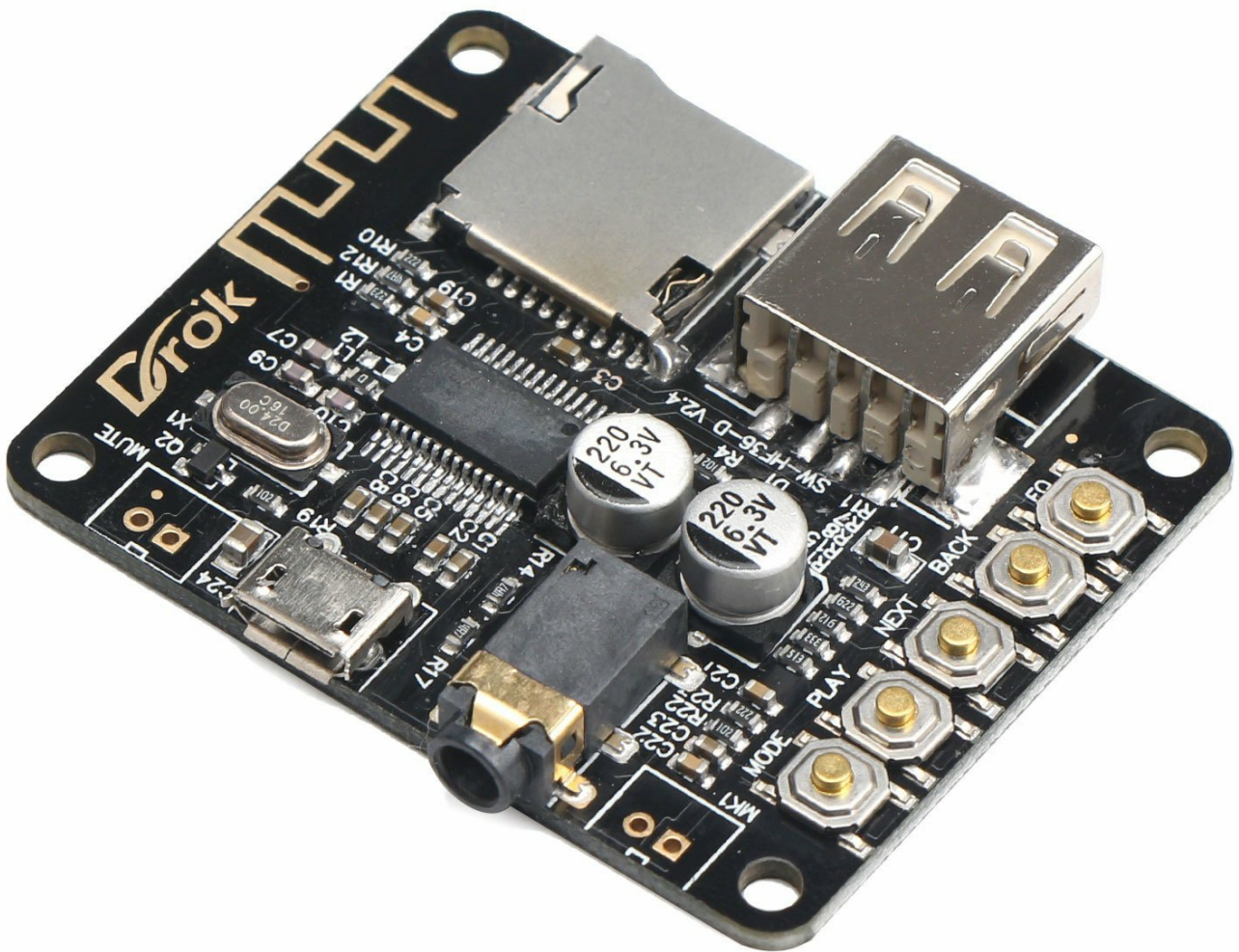


Figure 2: Top view of the DROK Portable Bluetooth Audio Receiver Board.

SETUP

1. **Power Connection:** Connect the board to a DC 5V power source using a Micro USB cable. Alternatively, you can solder your own power connection to the designated +5V and GND pads on the board.
2. **Audio Output Connection:** Connect headphones, an active loudspeaker box, or an amplifier to the audio output jack. If you are using passive loudspeakers, an amplifier must be connected first.

OPERATING INSTRUCTIONS

Bluetooth Mode

1. Ensure the board is powered on. The LED indicator will blink blue, indicating it is ready for pairing.
2. On your mobile phone, tablet, or other Bluetooth-enabled device, open the Bluetooth settings.

3. It is recommended to delete any previously connected Bluetooth devices from your phone's list to ensure a stable connection.
4. Your device will automatically search for and pair with the module (often named 'Xpecial audio'). No pairing codes or button mashing are required.
5. Once successfully connected, your phone will indicate that 'Xpecial audio' is connected, and the LED on the board will blink blue.

USB/TF Card Decoding Play Mode

1. Insert a USB drive or TF (Micro SD) card containing MP3, WMA, WAV, or FLAC audio files into the respective slot on the board.
2. Press the **MODE** button to switch between Bluetooth, USB, and TF card input modes. The board will automatically begin playing audio from the selected source.

Key Operations

- **MODE:** Short press to switch between Bluetooth receive, USB decoding play, and TF card decoding play modes.
- **NEXT:** Short press to play the next song. Long press to increase volume.
- **BACK:** Short press to play the previous song. Long press to decrease volume.
- **PLAY/PAUSE:** Short press to play or pause the current track.
- **EQ:** Short press to cycle through sound effect presets (only valid under USB or TF card playing mode).

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the board. Do not use liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the board with care to avoid damaging components. Avoid static discharge.
- **Power Supply:** Always use a stable DC 5V power supply to prevent damage.

TROUBLESHOOTING

- **No Power:** Ensure the Micro USB cable is securely connected and the 5V power source is active. Check for proper polarity if using soldered power connections.
- **No Audio Output:** Verify that the audio output cable is correctly connected to headphones, active speakers, or an amplifier. Ensure the volume on both the board (long press NEXT) and the connected audio device is turned up. Check if the correct input mode (Bluetooth, USB, TF card) is selected using the MODE button.
- **Bluetooth Connection Unstable/Fails:** Delete previous Bluetooth pairings on your phone/device. Ensure no other devices are trying to connect simultaneously. Keep the board within the effective transmission distance (10-15 meters) and minimize obstructions.
- **USB/TF Card Not Playing:** Ensure the USB drive or TF card is inserted correctly. Verify that the audio files are in supported formats (MP3, WMA, WAV, FLAC). Try a different USB drive or TF card to rule out media issues.
- **Poor Audio Quality/Noise:** Ensure the power supply is clean and stable. Some low-quality USB power bricks can introduce noise. Try a different power source. Check audio cables for damage or loose connections.

SPECIFICATIONS

Model Number	DR-US180082
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Product Dimensions	1.97 x 1.57 x 0.39 inches (50 x 40 x 10 mm)
Weight	0.16 ounces (4.5 grams)
Power Input	DC 5V (Micro USB)
Bluetooth Version	Not specified (effective range 10-15m)
Supported Audio Formats	MP3, WMA, WAV, FLAC
Manufacturer	DROK
ASIN	B01FU12QC8

WARRANTY AND SUPPORT

For further assistance or detailed warranty information, please refer to the official resources:

- **Official User Manual (PDF):** [Download PDF Manual](#)
- **DROK Brand Store:** [Visit DROK Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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