

Retoo 27341

Retoo Bluetooth Car Audio Decoder Board

Model: 27341

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Retoo Bluetooth Car Audio Decoder Board. This device integrates Bluetooth connectivity, a Micro SD card reader, a USB port, AUX input, and an FM radio tuner, allowing for versatile audio playback in your vehicle. Please read this manual carefully before use to ensure proper functionality and safety.

SAFETY INFORMATION

- Keep out of reach of children.
- Do not expose the device to extreme temperatures or liquids.
- Do not dispose of the device with household waste. Follow local regulations for electronic waste disposal.
- Observe precautions for battery usage if the remote control requires batteries (not included).
- Avoid interference with other wireless devices.

PRODUCT OVERVIEW

The Retoo Bluetooth Car Audio Decoder Board is designed to enhance your in-car audio experience with multiple playback options. Key features include:

- **Bluetooth Connectivity:** Allows wireless connection to smartphones and other Bluetooth-enabled devices for audio streaming. Operates on the 2.4 GHz ISM band.
- **Micro SD Card Reader:** Supports playback of audio files directly from a Micro SD card.
- **USB Port:** Connect USB flash drives for audio playback. Supports MP3, WMA, WAV, and FLAC formats.
- **FM Radio:** Integrated FM tuner for listening to radio stations.

- **AUX Input:** 3.5mm auxiliary input for connecting external audio sources.
- **LCD Display:** Provides information on current mode, track, or frequency.
- **Remote Control:** Included for convenient operation.



Front view of the decoder board, showing the USB port, Micro SD slot, AUX input, control buttons, and LCD display. The image also illustrates its use in a car with a smartphone connected via Bluetooth.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Retoo Bluetooth Car Audio Decoder Board
- Remote Control
- Connecting Wires (for power and audio output)



Components included in the package, illustrating the decoder board, remote control, and wiring harnesses.

SETUP

Proper installation is crucial for optimal performance. This device requires an external amplifier for audible sound output.

1. **Power Connection:** Connect the power wires to a 7V to 12V DC power source. Ensure correct polarity to prevent damage.
2. **Audio Output:** Connect the audio output wires from the decoder board to your car's amplifier input. This board does not have an integrated amplifier.
3. **Mounting:** Secure the decoder board in a suitable location within your vehicle using the provided mounting holes.



Rear view of the decoder board, highlighting the connection terminals for power input and audio output.



The decoder board with its connecting wires and remote control, illustrating the components involved in setup.

OPERATING INSTRUCTIONS

The decoder board can be operated using the onboard buttons or the included remote control.

Power On/Off

Connect the device to a power source. The device will typically power on automatically. Disconnect power to turn off.

Mode Selection

Press the 'MODE' button on the board or remote control to cycle through available modes: Bluetooth, USB, Micro SD, AUX, and FM Radio. The current mode will be displayed on the LCD screen.



The decoder board displaying 'LINE' mode, indicating AUX input is active.

Bluetooth Pairing

1. Switch the device to Bluetooth mode. The LCD will display 'BLUE' or a similar indicator.
2. On your smartphone or other Bluetooth device, search for available Bluetooth devices.
3. Select the decoder board (usually named 'BT-SPEAKER' or similar) from the list to pair.
4. Once paired, you can stream audio wirelessly from your device.

USB/Micro SD Playback

1. Insert a USB flash drive into the USB port or a Micro SD card into the TF slot.
2. The device will automatically switch to USB or Micro SD mode and begin playing supported audio files (MP3, WMA, WAV, FLAC).
3. Use the 'VOL-' / 'VOL+' buttons for volume control, and the 'SCAN' button (or corresponding remote buttons) for track navigation.

FM Radio

1. Switch the device to FM Radio mode.
2. Press and hold the 'SCAN' button to automatically scan and save available radio stations.
3. Use the 'VOL-' / 'VOL+' buttons (or corresponding remote buttons) to navigate between saved stations.

AUX Input

1. Connect an external audio source (e.g., smartphone, MP3 player) to the 3.5mm AUX input port using an audio

cable.

2. Switch the device to AUX mode. The audio from the external source will be played through the connected amplifier.

Volume Control

Adjust the volume using the 'VOL-' and 'VOL+' buttons on the board or the volume buttons on the remote control.

MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to direct sunlight or high humidity.
- Ensure all connections are secure to prevent intermittent audio or power issues.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Incorrect power connection, insufficient voltage, or faulty wiring.	Verify power connections and polarity. Ensure the power supply is within the 7V-12V range. Check for loose wires.
No sound output.	No amplifier connected, incorrect audio output wiring, or volume too low.	Ensure the decoder board is connected to an external amplifier. Check audio output wiring to the amplifier. Increase volume.
High background noise or interference.	Electrical interference in the vehicle's power system.	Consider installing a ground loop isolator or a DC-DC converter to filter power. Ensure proper grounding of the audio system.
Bluetooth pairing fails.	Device not in Bluetooth mode, too far from source, or interference.	Ensure the decoder board is in Bluetooth mode. Move the source device closer. Restart both devices.
USB/Micro SD not playing.	Unsupported file format, corrupted media, or incorrect mode.	Ensure audio files are in MP3, WMA, WAV, or FLAC format. Check if the media is corrupted. Verify the device is in USB or Micro SD mode.

SPECIFICATIONS

Feature	Detail
Brand	Retoo
Model Number	27341
Product Dimensions	10.5 x 2.2 x 2.5 cm
Item Weight	15.8 grams

Feature	Detail
Power Input Voltage	7V - 12V
Audio Input	Micro SD Card, Auxiliary
Audio Output Mode	Multichannel (requires external amplifier)
Connectivity Technology	Bluetooth, IRDA, USB
Wireless Type	Bluetooth
Supported Audio Formats	FLAC, MP3, WMA, WAV
Compatible Devices	Smartphones (Huawei, Realme, Samsung, Sony, Xiaomi), USB drives, Micro SD cards
Material	Plastic
Remote Control	Included

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the seller's policies or contact Retoo customer service through the platform where the product was purchased. Keep your purchase receipt for any warranty claims.

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