Clarion FZ309

CLARION FZ309 Car Stereo Media Player

INSTRUCTION MANUAL

Introduction

Thank you for purchasing the Clarion FZ309 Car Stereo Media Player. This unit is designed to provide high-quality audio entertainment and convenient connectivity in your vehicle. Featuring a single DIN design, Bluetooth technology for hands-free calls and audio streaming, front USB and AUX inputs, and a detachable front panel, the FZ309 offers a versatile and user-friendly experience. This manual will guide you through the installation, operation, and maintenance of your new car stereo.
Key features include:

- Single DIN form factor
- Integrated Bluetooth for wireless audio and calls
- Front USB and AUX inputs for versatile media playback
- Detachable front panel for security
- 45 Watts x 4 channel power output
- Built-in Equalizer for sound customization
- Remote control included for convenient operation

Setup and Installation

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified professional. Ensure the vehicle's battery is disconnected before beginning any wiring.

Wiring Diagram (General Guidelines)

Connect the power, ground, and speaker wires according to the diagram provided with your unit. The FZ309 operates on a 14.4V DC (10.8 - 15.6V allowable) power requirement with a speaker impedance of 4Ω (4Ω to 8Ω allowable).

- **Red Wire:** ACC (Accessory) power
- **Yellow Wire:** Constant 12V power
- **Black Wire:** Ground

- **Speaker Wires:** Connect to appropriate vehicle speakers (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right).

Mounting

The unit should be mounted securely in a single DIN slot. Ensure the maximum mounting angle does not exceed 30 degrees for proper operation.



This image displays the front panel of the Clarion FZ309 car stereo, highlighting its display, control knob, USB port, and various buttons for source selection, menu navigation, and audio playback.

Operating Instructions

Power On/Off and Volume Control

- To power on the unit, press the **VOL push MUTE** knob. Press and hold to power off.
- Rotate the **VOL push MUTE** knob to adjust the volume.
- Press the **VOL push MUTE** knob briefly to mute/unmute the audio.

Source Selection

Press the **SOURCE** button to cycle through available audio sources: AM, FM, Bluetooth Audio, USB, AUX.

Bluetooth Operation

The FZ309 features Bluetooth Version 3 with HSP/HFP for hands-free calling and A2DP/AVRCP for audio streaming.

1. **Pairing:** Ensure Bluetooth is enabled on your mobile device. Select "FZ309" from the list of available devices to pair.
2. **Hands-Free Calling:** When a call comes in, the unit will display the caller ID. Press the **Call Answer** button (usually indicated by a phone icon) to answer. Press again to end the call.
3. **Audio Streaming:** Once paired, audio from your mobile device will stream wirelessly to the FZ309. Use the unit's controls (**Play**/**Pause**, **Next**/**Previous Track**) or your phone to control playback.

USB and AUX Inputs

The front panel includes a USB port and a 3.5mm AUX input jack.

- **USB:** Connect a USB flash drive (FAT12/16/32 file system) containing MP3 or WMA audio files. The unit supports USB 1.1 / 2.0. You can also connect an iPhone to play music and control it via the unit. The USB port also provides 1A charging.
- **AUX:** Connect any audio device with a 3.5mm output using an audio cable.

Radio Tuner

The FZ309 features an AM/FM tuner.

- **Band Selection:** Press the **BAND** button to switch between FM and AM bands.
- **Tuning:** Use the **Search** buttons (left/right arrows) to manually tune or seek for stations.
- **Preset Stations:** Save your favorite stations to the numbered preset buttons (1-6) by tuning to the station and pressing and holding the desired preset button.

Audio Settings (Equalizer)

Press the **MENU** button to access audio settings, including the Equalizer. Use the volume knob to navigate and select options. Adjust bass, treble, balance, and fader settings to customize your sound experience.

Detachable Front Panel

For security, the front panel of the FZ309 is detachable. Press the release button (usually located on the left side of the panel) and gently pull the panel off. Store it in a safe place when leaving your vehicle.

Remote Control

The included remote control allows for convenient operation of the unit from a distance. Refer to the remote control's diagram for specific button functions (e.g., volume, source, track skip, mute).

Maintenance

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the unit's surface. For stubborn dirt, dampen the cloth slightly with water. Avoid using harsh chemicals or abrasive cleaners.
- **Detachable Panel Care:** Handle the detachable front panel with care. Avoid touching the electrical contacts on the back of the panel. Store it in a protective case or bag to prevent scratches and damage.
- **USB Port:** Keep the USB port free of dust and debris.

Troubleshooting

If you encounter issues with your FZ309, please refer to the following common problems and solutions before contacting support.

Problem	Possible Cause	Solution
No power / Unit turns off unexpectedly	Incorrect wiring; Blown fuse; Loose connection; Vehicle battery issue.	Check all power and ground connections. Verify the fuse is intact. Ensure the unit is securely connected to the power source. Check vehicle battery voltage.
No sound / Distorted sound	Incorrect speaker wiring; Volume too low; Mute function active; Incorrect source selected.	Check speaker connections. Increase volume. Deactivate mute. Select the correct audio source.
Bluetooth connectivity unstable	Interference; Device too far; Pairing issue; Old Bluetooth profile.	Ensure no strong interference sources are nearby. Keep the paired device within range. Delete the existing Bluetooth profile on both the unit and your device, then re-pair. Update your phone's OS if applicable.
USB device not recognized	Unsupported file system/format; Damaged USB device; Loose connection.	Ensure USB is FAT12/16/32 and files are MP3/WMA. Try a different USB device. Reinsert the USB device firmly.

Problem	Possible Cause	Solution
Remote control not working	Dead battery; Obstruction; Incorrect angle.	Replace the remote control battery. Ensure no objects are blocking the signal path to the unit's IR receiver. Point the remote directly at the unit.

Specifications

Feature	Specification
Model Number	FZ309
Product Dimensions (W x H x D)	7.4"W x 2.2"H x 4.8"D (188 x 57.8 x 122 mm)
Item Weight	1.54 pounds (0.7 kg)
Power Requirement	14.4V DC (10.8 - 15.6V allowable)
Maximum Power Output	45W x 4 channels
Speaker Impedance	4Ω (4Ω to 8Ω allowable)
Bluetooth Version	3.0 (HSP/HFP, A2DP/AVRCP support)
USB Requirements	USB 1.1 / 2.0, Mass Storage Class
USB File System	FAT 12/16/32
Supported Audio Formats (USB)	MP3, WMA
Tuner Frequency Bands	FM: 87.5 MHz to 107.9 MHz; AM: 530 kHz to 1710 kHz
Pre-Maximum Output Voltage	2V / 10 kΩ
Maximum Mounting Angle	30°
Connectivity Technology	Bluetooth
Connector Type	3.5mm Jack, USB
Special Feature	Equalizer
Manufacturer	Clarion Co., Ltd

Warranty and Support

Clarion products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and coverage details.

For technical support, service, or warranty claims, please contact the retailer where you purchased the unit or visit the official Clarion website for contact information. When contacting support, please have your product model number (FZ309) and purchase details ready.

Manufacturer: Clarion Co., Ltd

© 2024 Clarion Co., Ltd. All rights reserved.