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› [Pioneer](#) /

› [Pioneer Carrozzeria AVIC-MRZ099 7V AV Integrated Memory Navigation System User Manual](#)

## Pioneer AVIC-MRZ099

# Pioneer Carrozzeria AVIC-MRZ099 User Manual

AV Integrated Memory Navigation System

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Pioneer Carrozzeria AVIC-MRZ099 AV integrated memory navigation system. Please read this manual thoroughly before using the product to ensure correct operation and to prevent damage.

## 2. SAFETY INFORMATION

Observe the following safety precautions to prevent personal injury or damage to the product.

- **Professional Installation:** Installation should be performed by a qualified technician to ensure proper wiring and secure mounting. Incorrect installation can lead to malfunctions or accidents.
- **Driving Safety:** Do not operate the navigation system or other functions that require visual attention while driving. Always pull over to a safe location before making adjustments or inputting destinations.
- **Volume Control:** Keep the volume at a level that allows you to hear outside sounds, such as emergency vehicle sirens.
- **Power Source:** Connect the unit only to a 12V DC negative ground electrical system.
- **Avoid Moisture:** Do not expose the unit to water or excessive moisture.

## 3. SETUP AND INSTALLATION

The Pioneer Carrozzeria AVIC-MRZ099 is designed for panel mounting in compatible vehicles. Due to the complexity of automotive electrical systems and the need for precise mounting, professional installation is strongly recommended.

### 3.1. Pre-Installation Checks

- Verify all components are present in the package.
- Ensure the vehicle's battery is disconnected before starting installation.
- Consult your vehicle's manual for specific dashboard disassembly instructions.

### 3.2. Wiring Connections

Connect the power, ground, speaker, and other necessary cables according to the wiring diagram provided in the separate installation guide. Pay close attention to the parking brake wire connection, as it is crucial for enabling certain functions while the vehicle is stationary.

### 3.3. Mounting the Unit

Securely mount the AVIC-MRZ099 into the vehicle's dashboard opening using the provided mounting brackets and screws. Ensure the unit is flush and stable.



Figure 1: Side view of the AVIC-MRZ099 unit, showing its compact design for in-dash installation.



Figure 2: Alternate side view of the AVIC-MRZ099, highlighting its depth and connection ports.

## 4. OPERATING INSTRUCTIONS

The AVIC-MRZ099 features a 7-inch capacitive touchscreen for intuitive control of its various functions.

### 4.1. Basic Operation

- **Power On/Off:** Press the power button (usually located on the front panel) to turn the unit on or off.
- **Volume Control:** Use the dedicated volume buttons or the on-screen controls to adjust audio output.
- **Menu Access:** Tap the 'Menu' button on the touchscreen to access the main menu and switch between functions like Navigation, AV Source, and Settings.



Figure 3: The AVIC-MRZ099 display showing a navigation map on the left and a media playback interface on the right, indicating current track information.

## 4.2. Navigation System

- **Map Display:** The main screen typically displays the current map view. You can zoom in/out and pan the map using touch gestures.
- **Destination Input:** Tap the 'Destination' or 'Search' icon to enter an address, point of interest, or select from recent destinations.
- **Route Guidance:** Once a destination is set, the system will calculate a route and provide turn-by-turn voice and visual guidance.
- **Traffic Information:** The system can receive and display real-time traffic information to help avoid congestion.

## 4.3. Audio and Video Functions

The unit supports various media sources:

- **DVD/CD Player:** Insert discs into the slot to play DVD-Video or audio CDs.
- **Terrestrial Digital TV:** Access digital television broadcasts (availability depends on region and signal strength).
- **SD Card:** Insert an SD card containing music or video files for playback.
- **Bluetooth Audio:** Pair your smartphone or other Bluetooth device to stream audio wirelessly.

## 4.4. Bluetooth Connectivity (Hands-Free)

The AVIC-MRZ099 includes hands-free calling functionality via Bluetooth.

- **Pairing:** Go to the Bluetooth settings menu on the unit and your mobile phone to pair the devices.
- **Making/Receiving Calls:** Once paired, you can make and receive calls directly through the unit's interface, with audio routed through the car's speakers and a built-in microphone.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your navigation system.

- **Screen Cleaning:** Use a soft, dry cloth to gently wipe the touchscreen. For stubborn smudges, use a screen cleaner specifically designed for electronic displays. Avoid abrasive cleaners.
- **Dust Removal:** Periodically clean dust from the unit's vents and buttons using a soft brush or compressed air.
- **Software Updates:** Check the Pioneer website for available software or map updates to ensure your system has the latest features and map data.

## 6. TROUBLESHOOTING

If you encounter issues with your AVIC-MRZ099, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Blown fuse, incorrect wiring, vehicle battery issue.	Check vehicle fuses, verify wiring connections, check vehicle battery.
No sound	Volume too low, mute activated, speaker wiring issue.	Increase volume, check mute setting, verify speaker connections.
Navigation not working	GPS antenna not connected, poor GPS signal, outdated map data.	Ensure GPS antenna is properly connected and has a clear view of the sky. Update map data if necessary.
Bluetooth pairing fails	Device not in pairing mode, incorrect PIN, interference.	Ensure both devices are in pairing mode, re-enter PIN, try pairing in a different location.

If the problem persists after attempting these solutions, contact Pioneer customer support or a qualified service center.

## 7. SPECIFICATIONS

- **Brand:** Pioneer
- **Model Name:** AVIC MRZ099
- **Product Model Number:** AVIC-MRZ099
- **Screen Size:** 7 Inches
- **Display Type:** Wide VGA
- **Touchscreen Type:** Capacitive
- **Connectivity Technology:** Bluetooth
- **Special Features:** Hands-Free Calling
- **Compatible Vehicle Type:** Passenger Car
- **Mounting Type:** Panel Mount
- **Map Type:** Street
- **Item Weight:** 3.54 Kilograms
- **Color:** Black
- **Package Dimensions:** 34.4 x 27 x 17.6 cm

## 8. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please refer to the warranty card included with your product

or visit the official Pioneer website. Keep your purchase receipt as proof of purchase for warranty claims.

**Pioneer Official Website:** <https://www.pioneer-car.jp/>