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› EIMSOAH 7-inch Touchscreen Car Radio with Android 12 and Carplay for Fiat Panda (2003-2012) - User Manual

EIMSOAH EIMSOAH0rm34g2fed-11

EIMSOAH 7-inch Touchscreen Car Radio User Manual

Model: EIMSOAH0rm34g2fed-11 | **Brand:** EIMSOAH

Replacement for Fiat Panda (2003-2012)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EIMSOAH 7-inch Touchscreen Car Radio. This unit is designed as a direct replacement for Fiat Panda models manufactured between 2003 and 2012, offering an upgraded in-car entertainment and navigation experience.

Featuring an Android 12 operating system, this car radio integrates wireless Carplay and Android Auto compatibility, GPS navigation, Bluetooth connectivity, and a high-resolution touchscreen for intuitive control. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.



Figure 1.1: The EIMSOAH 7-inch touchscreen car radio unit along with its complete set of wiring harnesses, GPS antenna, and other accessories.

2. SETUP AND INSTALLATION

The EIMSOAH car radio is designed for direct replacement in compatible Fiat Panda models. While the unit comes with necessary wiring and basic instructions, professional installation is highly recommended to ensure correct wiring, vehicle compatibility, and optimal performance.

2.1 Package Contents

- EIMSOAH 7-inch Car Multimedia Player
- GPS Antenna
- Main Power Harness
- USB Cables (x2)

- RCA Input/Output Cables
- User Manual (this document)
- Wiring Instructions

2.2 Pre-Installation Checklist

1. Ensure the vehicle's ignition is off and the battery's negative terminal is disconnected to prevent electrical shorts.
2. Verify all package contents are present and undamaged.
3. Familiarize yourself with your vehicle's dashboard disassembly procedure for radio removal.

2.3 Installation Steps (General)

1. Carefully remove the original car radio and dashboard trim.
2. Connect the main power harness, GPS antenna, USB cables, and RCA cables to the corresponding ports on the EIMSOAH unit. Refer to the provided wiring instructions for detailed pinouts.
3. Route the GPS antenna to a location with a clear view of the sky (e.g., dashboard corner, under the windshield).
4. Connect the vehicle-specific harness to the EIMSOAH unit's main power harness.
5. Carefully slide the EIMSOAH unit into the dashboard opening, ensuring no wires are pinched.
6. Secure the unit using the appropriate mounting brackets.
7. Reconnect the vehicle's battery.
8. Turn on the ignition and test the unit's basic functions (power, audio, touchscreen).
9. Reassemble the dashboard trim.



Figure 2.1: The EIMSOAH car radio seamlessly integrated into the dashboard of a Fiat Panda.

3. OPERATING INSTRUCTIONS

Your EIMSOAH car radio runs on Android 12, providing a familiar and intuitive user interface. Navigate through the system using the 7-inch capacitive multi-touch screen.

3.1 Basic Operations

- **Power On/Off:** Press and hold the power button (usually on the front panel or screen) to turn the unit on or off. A short press may mute/unmute or put the unit into standby.
- **Volume Control:** Adjust volume using the physical buttons or on-screen controls.
- **Home Screen:** Tap the Home icon to return to the main application launcher.
- **Back Button:** Tap the Back icon to return to the previous screen or menu.

3.2 Wireless Carplay & Android Auto

The unit supports wireless Carplay for iOS devices and wireless/wired Android Auto for Android smartphones. This allows you to seamlessly integrate your phone's features, such as navigation, music, calls, and messages, directly onto the car radio's display.

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- On the car radio, open the 'Carplay' or 'Android Auto' application.
- Follow the on-screen prompts to pair your device. For Android Auto, a wired connection might be required for the initial setup.

3.3 GPS Navigation

The unit supports both online and offline GPS navigation. Once connected to Wi-Fi, you can download various navigation applications from the Google Play Store. For offline navigation, download map data in advance.

- Ensure the GPS antenna is properly installed and has a clear signal.
- Open your preferred navigation application (e.g., Google Maps, Waze).
- Enter your destination and follow the voice and visual prompts.

3.4 Bluetooth Connectivity

Connect your smartphone via Bluetooth for hands-free calling and audio streaming.

- Go to 'Settings' > 'Bluetooth' on the car radio.
- Enable Bluetooth and search for available devices.
- Select your phone from the list and confirm the pairing code.
- Once paired, you can make/receive calls and play music through the car's speakers. The unit supports phonebook synchronization.

3.5 Radio (FM/RDS)

Access the built-in FM/RDS radio tuner for local broadcasts.

- Open the 'Radio' application.
- Use the on-screen controls to scan for stations, save presets, or manually tune.
- RDS (Radio Data System) provides additional information like station name and song title where available.

3.6 Split Screen Functionality

The unit supports split-screen display, allowing you to run two applications simultaneously (e.g., navigation on one side, music player on the other).

- Open the first application you wish to use.
- Press and hold the 'Recent Apps' button (usually a square icon) or drag from the bottom of the screen (depending on Android version) to activate split-screen mode.
- Select the second application from the recent apps list or app drawer.

3.7 Steering Wheel Control

The unit supports learning original steering wheel button functions, allowing you to control the radio without taking your hands off the wheel.

- Go to 'Settings' > 'Steering Wheel Control' (or similar).
- Follow the on-screen instructions to map your vehicle's steering wheel buttons to the desired functions on the radio.

3.8 Reversing Camera Input

When a compatible reversing camera (not included) is connected, the unit will automatically display the rear view when the vehicle is shifted into reverse gear. It supports HD video input and includes reverse control detection and a

brake reminder function.

3.9 USB and AUX Connectivity

The unit features two USB ports for media playback, file transfer, and DVR connectivity. An AUX input allows for audio input from mobile phones or MP3 players, as well as video input from external devices.

- Connect USB drives to play supported audio and video files.
- Connect external audio/video sources to the AUX input using appropriate cables.

4. MAINTENANCE

Proper care and maintenance will extend the life of your EIMSOAH car radio.

- **Screen Cleaning:** Use a soft, lint-free cloth to wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-specific cleaner. Avoid using harsh chemicals, abrasive cleaners, or alcohol-based solutions, as these can damage the screen coating.
- **Unit Cleaning:** Wipe the main unit with a dry, soft cloth. Ensure no liquids enter the unit's openings.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Software Updates:** Periodically check for software updates (if available) through the unit's settings or the manufacturer's website to ensure optimal performance and access to new features.

5. TROUBLESHOOTING

If you encounter issues with your EIMSOAH car radio, refer to the following common troubleshooting steps:

- **No Power:**
 - Check all power connections and fuses.
 - Ensure the vehicle's ignition is on.
- **No Sound:**
 - Check speaker connections.
 - Verify volume levels are not muted or set too low.
 - Ensure the correct audio source is selected.
- **Touchscreen Unresponsive:**
 - Restart the unit by turning the vehicle ignition off and on, or by pressing the reset button (if available).
 - Ensure the screen is clean and free of debris.
- **GPS Signal Lost/Inaccurate:**
 - Ensure the GPS antenna is properly connected and positioned with a clear view of the sky.
 - Move the vehicle to an open area away from tall buildings or dense foliage.
- **Bluetooth Pairing Issues:**
 - Ensure Bluetooth is enabled on both the car radio and your smartphone.
 - Delete previous pairings on both devices and attempt to pair again.
 - Restart both devices.

- **Unit Freezes/Crashes:**

- Perform a soft reset by turning the vehicle ignition off and on.
- If persistent, a factory reset may be necessary (note: this will erase all user data and settings). Consult the settings menu for this option.

If the problem persists after attempting these steps, please contact EIMSOAH customer support for further assistance.

6. SPECIFICATIONS

Brand	EIMSOAH
Model Name	EIMSOAH0rm34g2fed-11
Applicable Vehicle Model	Fiat Panda (2003-2012)
Operating System	Android 12
CPU	4 Cores
Screen Size	7 Inches
Screen Resolution	1024 x 600
Touchscreen Type	HD Capacitive Multi-touch
Output Power	4 x 45 W
Bluetooth Version	4.0
Radio	FM/RDS
Connectivity Technology	USB, Wireless Wi-Fi, Bluetooth
Wireless Connectivity	Supports 3G/4G/5G wireless signal reception
Mobile Phone Interconnection	Wireless Apple Carplay, Wired/Wireless Android Auto
GPS Navigation	Supports online/offline navigation (Street Map Type)
Split Screen Display	Supports left and right split-screen display
Steering Wheel Control	Supported
Reversing Camera Input	Supports HD video input (camera not included), reverse control detection, brake reminder function
USB Ports	2 (for media playback, file transfer, DVR)
AUX Function	Audio input from mobile/MP3, video input from external devices
Video Input	Supports two inputs
Video Output	Supported
Audio Output	Left, Right

Audio Input	Supported
Supported Image Formats	JPEG, GIF, PNG, BMP, JPG
Supported Video Formats	MP4 / MP5 / MKV / AVI / RMVB / 1080P
Supported Audio Formats	MP3 / WMA / WAV / FLAC
Circuit Protection	Overload, Overvoltage, Short Circuit
Memory Function	Power-off memory function
Language	Multiple built-in languages, supports Chinese