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> AMprime Android 13 Car Stereo User Manual for Jeep Grand Cherokee (2005-2007)

AMprime Android 13 Car Stereo

AMprime Android 13 Car Stereo User Manual

For Jeep Grand Cherokee (2005-2007)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 13 Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

2. SAFETY INFORMATION

- Ensure professional installation to avoid damage to the vehicle's electrical system.
- Do not operate the device in a manner that distracts you from driving.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or moisture.
- Use only approved accessories and cables.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- AMprime Android 13 Car Stereo Unit
- Installation Tool
- GPS Antenna
- Power Cable(s)

- User Manual
- Accessories (various cables and connectors)
- Camera Input Cable
- RCA Cable
- Radio Antenna(s)
- USB Cables (6-pin and 4-pin)
- AHD Rear Camera
- Microphone & Canbus

Package List & Size



Figure 3.1: Package contents and dimensions. The main unit measures approximately 256mm (width) x 165mm (height) x 32mm (depth).

4. SETUP & INSTALLATION

4.1 Vehicle Compatibility Check

This car stereo is designed for Jeep Grand Cherokee models from 2005 to 2007. Please verify your vehicle's center console matches the compatible configuration shown in Photo A below. If your console matches Photo B, this device is not suitable.

For Jeep Grand Cherokee 2005-2007

After Installation



Please check the of your car's center console before purchasing. Our device is only compatible with the car center console in photo A below. The car center console is not compatible with photo B. If your car is photo B, please don't buy it. Our equipment is not suitable.

Figure 4.1: Compatible (A) and incompatible (B) center console configurations for Jeep Grand Cherokee 2005-2007.

4.2 General Installation Steps

1. **Preparation:** Disconnect the vehicle's battery before starting installation.
2. **Remove Old Unit:** Carefully remove the existing car stereo and trim panels using appropriate tools.
3. **Connect Wiring:** Connect the new car stereo's power cable, GPS antenna, radio antenna, and other accessory cables according to the wiring diagram provided. Ensure all connections are secure.
4. **Rear Camera Installation (Optional):** If installing the AHD rear camera, route the camera cable from the rear of the vehicle to the stereo unit and connect it to the designated camera input.
5. **Test Functionality:** Before fully reassembling, reconnect the battery and perform a basic test of the stereo's functions (power, audio, touch screen, camera input).
6. **Secure Unit:** Mount the new car stereo securely into the dashboard opening.
7. **Reassemble:** Reinstall all trim panels and ensure a neat finish.

5. OPERATING INSTRUCTIONS

5.1 Basic Operations

The AMprime Android 13 Car Stereo features a 10.1-inch capacitive touch screen with a 1024*600 high resolution. Navigate through menus and applications by tapping, swiping, and pinching on the screen.



Figure 5.1: Main interface of the AMprime Android 13 Car Stereo.

5.2 Wireless Carplay & Android Auto

The unit supports both wired and wireless Apple Carplay and Android Auto. Connect your smartphone via USB or Bluetooth to access navigation, music, calls, and other compatible apps directly on the stereo screen.

Support Apple Carplay & Android Auto & Mirror Link

Gps/Call/Messages/Music/News



Figure 5.2: Overview of Apple Carplay, Android Auto, and Mirror Link functionalities.

Connection Steps:

1. Open the 'S-Play' application on the car stereo.
2. Connect your phone's Bluetooth with the car stereo.
3. Follow the on-screen prompts to initiate Carplay or Android Auto.

Your browser does not support the video tag.

Video 5.1: Demonstration of Wireless Carplay and Android Auto connection and basic usage.

5.3 Mirror Link (Wireless Jlink Connection)

Mirror Link allows you to cast your smartphone screen directly to the car stereo. Android devices connect via USB and WiFi, while iOS devices connect via WiFi.

Connection Steps:

1. Open the 'Jlink' application on the car stereo.
2. Connect the car stereo to your mobile phone's hotspot via WiFi.
3. For first-time connection, you may need to download the Jlink client app on your phone by scanning the

QR code displayed on the stereo.

4. On your mobile phone, open the Jlink app and select 'Screen Broadcast' or 'Screen Mirroring' to initiate the connection.

5.4 GPS Navigation & WiFi Connectivity

The stereo has a built-in GPS module and supports both online and offline maps. North American offline maps are pre-installed. Connect to WiFi to use online navigation services and download or update applications from the Application Store.



Figure 5.3: GPS navigation interface and WiFi connection options.

5.5 FM/RDS Radio

Enjoy real-time traffic updates, news broadcasts, and weather forecasts through the built-in FM/RDS radio receiver. The automotive-grade chipset ensures optimal signal reception.

FM/RDS Radio

Listen to real-time traffic, news broadcasts, weather forecasts etc.



Bluetooth

Hands free calling with clear sound quality and stable performance

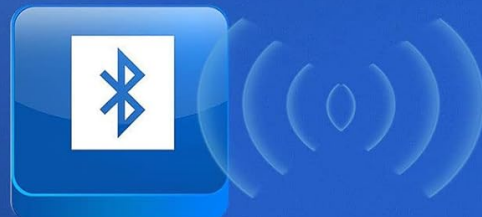
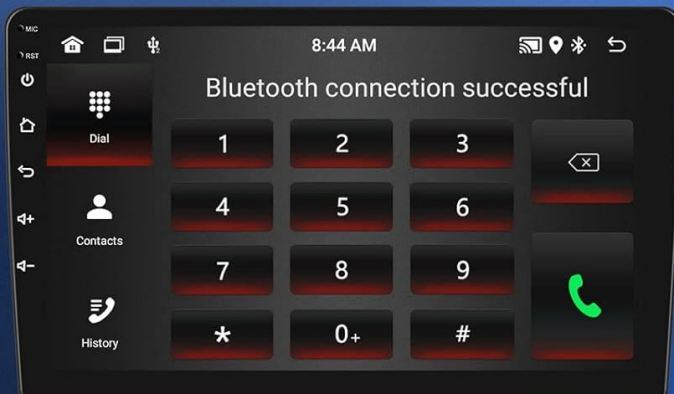


Figure 5.4: FM/RDS Radio interface with frequency display and preset options.

5.6 Bluetooth Connectivity

Pair your mobile phone via Bluetooth for hands-free calling and wireless music streaming. The system supports answering and ending calls with a single button press, enhancing driving safety.

5.7 Steering Wheel Control (SWC)

If your vehicle is equipped with steering wheel controls, you can configure them to manage the car stereo's functions, such as switching songs, changing channels, adjusting volume, and answering calls. This allows for convenient operation while driving.

Waterproof AHD Backup Camera

170° wide view AHD camera will present superior night vision for you.



Our AHD Camera



Other



Steering Wheel Control

if the original car has buttons, you can use the steering wheel buttons to control the radiomaking the operation more convenient.

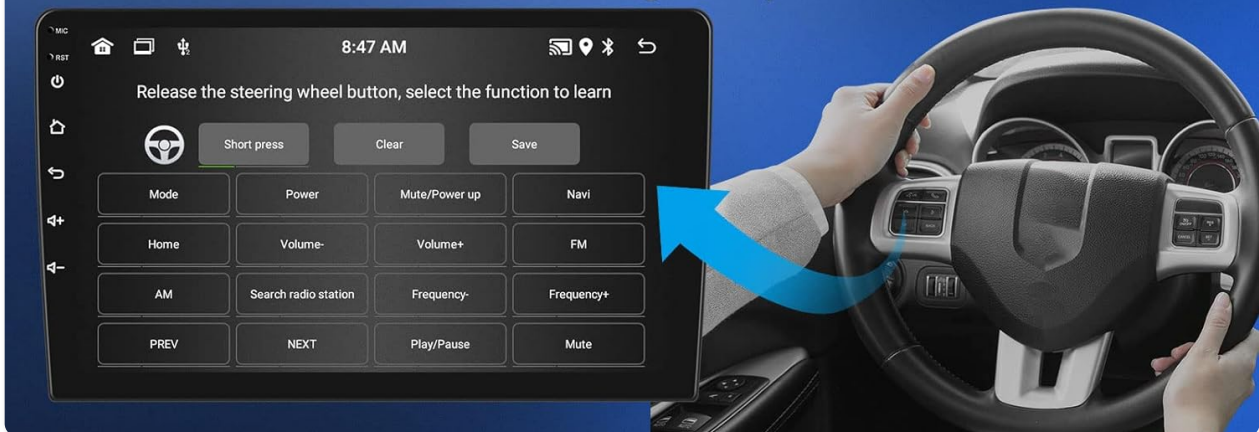


Figure 5.5: Steering Wheel Control learning interface.

5.8 AHD Rear View Camera

The included AHD rear view camera provides a waterproof design, excellent night vision, and a 170° ultra-wide field of view. When reversing, the camera image will automatically display on the touch screen, assisting with safe maneuvering.

5.9 Audio Equalizer (EQ)

Customize your audio experience with the built-in equalizer. Select from various preset sound effects or manually adjust frequency bands to achieve your preferred sound profile.

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Video 5.2: Demonstration of various car stereo functions including music playback, radio, EQ settings, and general interface navigation.

6. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for available software updates to ensure optimal performance and access to new features. Updates can typically be performed via WiFi connection.
- **General Care:** Keep the unit free from dust and debris. Ensure proper ventilation around the unit to prevent overheating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, power supply issue.	Check power connections, inspect fuses, ensure proper power supply.
No sound	Speaker wiring issue, volume too low, incorrect audio settings.	Verify speaker connections, increase volume, check audio output settings.
Touch screen unresponsive	Software glitch, screen damage.	Restart the unit. If issue persists, contact support.
GPS signal lost	GPS antenna obstruction, poor satellite reception.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
Bluetooth pairing fails	Incorrect pairing mode, device not discoverable, interference.	Ensure both devices are in pairing mode. Restart Bluetooth on both devices.

8. SPECIFICATIONS

- **Model Name:** Android 13 Car Stereo
- **Operating System:** Android 13
- **RAM:** 2GB
- **ROM:** 64GB
- **Screen Size:** 10.1 Inches
- **Display Resolution:** 1024*600
- **Connectivity:** Wi-Fi, Bluetooth
- **Features:** Wireless Carplay, Android Auto, Mirror Link, FM/RDS Radio, GPS Navigation, Steering Wheel Control, AHD Rear Camera Input, EQ Sound Effects
- **Item Weight:** 2.2 pounds (approximately 1 Kilogram)
- **Package Dimensions:** 19 x 14.5 x 6.5 inches

9. WARRANTY & SUPPORT

9.1 Warranty Information

This product comes with a 1-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects but does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9.2 Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your AMprime Android 13 Car Stereo, please contact our customer support team:

Email: AmprimeTechSupport@yeah.net



Figure 9.1: Online customer support available for assistance.