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AMprime 2+32G

AMprime Android 15 Car Radio Stereo User Manual

For Jeep Patriot Compass (2010-2016) Model: 2+32G

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 15 Car Radio Stereo. This unit is specifically designed for Jeep Patriot and Compass models manufactured between 2010 and 2016. It features a 10.1-inch capacitive touch screen, 2GB RAM, and 32GB ROM, offering a smooth and enhanced in-car entertainment experience.
Key features include wireless Apple CarPlay and Android Auto, 5G WiFi connectivity, Bluetooth, FM/RDS radio, GPS navigation, steering wheel control (SWC) compatibility, and support for a backup camera.



Image 1.1: Compatibility check for Jeep Patriot and Compass (2010-2016). Ensure your vehicle's center console matches Scheme A for proper fitment.

2. Setup and Installation

The AMprime car stereo is designed for a plug-and-play installation. While a professional installation is recommended, the system is engineered for straightforward setup. Please ensure your vehicle's dashboard configuration matches the compatible scheme shown in Image 1.1 before proceeding.

2.1 Package Contents

Verify that all components listed below are present in your package:



Image 2.1: Included components and unit dimensions. The package typically includes the main head unit, AHD rear camera, microphone, user manual, rear camera cable, Canbus box, GPS antenna, RCA cables, USB cables, installation tools, power cable, and adapter antenna.

- Main Head Unit (10.1-inch display)
- AHD Rear Camera
- Microphone
- User Manual (this document)
- Rear Camera Cable
- Canbus Box
- GPS Antenna
- RCA Cables
- USB Cables (x2)
- Installation Tools
- Power Cable
- Adapter Antenna

2.2 Basic Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Old Unit:** Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring:** Connect the provided power cable, RCA cables, USB cables, GPS antenna, and other necessary wiring to the new head unit. Ensure all connections are secure. The Canbus box should be connected as per the wiring diagram to ensure proper communication with the vehicle's systems.
4. **Install Rear Camera (Optional):** If installing the AHD rear camera, route the camera cable from the rear of the vehicle to the head unit and connect it.

5. **Mount New Unit:** Secure the AMprime head unit into the dashboard opening.
6. **Reconnect Battery:** Reconnect the vehicle's battery.
7. **Test Functionality:** Turn on the vehicle and test all functions of the new car stereo.

3. Operating Instructions

3.1 Wireless Apple CarPlay & Android Auto

This unit supports both wireless Apple CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, music, calls, and messages.

- **Connection:** Connect your smartphone via Bluetooth or USB. Follow the on-screen prompts to establish the CarPlay or Android Auto connection.
- **Usage:** Once connected, your phone's compatible apps will appear on the car stereo display. Use voice commands (Siri/Google Assistant) or the touchscreen to control functions.



Image 3.1: Display showing the Apple CarPlay and Android Auto interfaces, enabling access to phone functions like GPS, calls, and music.

3.2 Mirror Link

The Mirror Link function allows you to project your smartphone's screen directly onto the car stereo display. This is compatible with both iOS and Android devices.

- **Connection:** Connect your phone via USB or follow the wireless connection instructions provided in the unit's software.
- **Usage:** Once mirrored, you can view your phone's content, including videos and high-definition pictures, on the 10.1-inch screen.

3.3 GPS Navigation & WiFi Connectivity

The unit features a built-in WiFi module and supports both online and offline navigation. An offline map of North America is pre-installed.

- **WiFi Connection:** Go to Settings > Network > Wi-Fi to connect to an available Wi-Fi network.
- **GPS Navigation:** Use the pre-installed offline maps or download online maps (e.g., Waze, Google Maps) after connecting to Wi-Fi.



Image 3.2: GPS navigation interface showing route guidance and icons for various online map applications.

3.4 FM/RDS Radio

Enjoy real-time traffic updates, news broadcasts, and weather forecasts with the built-in FM/RDS radio receiver.

- **Tuning:** Use the touchscreen controls to scan for stations, save presets, and view RDS information (if available).



Image 3.3: FM radio interface displaying frequency, signal strength, and preset buttons.

3.5 Bluetooth Functionality

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

- **Pairing:** Enable Bluetooth on your phone and search for the car stereo. Select the device and confirm pairing.
- **Hands-Free Calls:** Make and receive calls directly from the car stereo screen.
- **Audio Streaming:** Play music from your phone through the car's speakers.

3.6 Steering Wheel Control (SWC)

If your vehicle has original steering wheel buttons, you can configure them to control the car stereo, enhancing convenience and safety while driving.

- **Setup:** Access the SWC settings in the unit's menu. Follow the on-screen instructions to map your steering wheel buttons to specific functions (e.g., volume, track skip, mode).



Image 3.4: Screen showing the steering wheel control learning interface and a view from the AHD backup camera.

3.7 AHD Rear View Camera

The included AHD rear view camera provides a 170° ultra-wide field of view and excellent night vision, automatically displaying the reversing image on the touch screen when the vehicle is in reverse gear.

3.8 EQ Sound Effects

Customize your audio experience with a variety of built-in EQ sound effects and a graphic equalizer to fine-tune bass, treble, and other audio parameters.

3.9 Split Screen Function

Utilize the split-screen feature to run two applications simultaneously, such as navigation on one side and music playback on the other.

3.10 Dual-USB Ports

The unit is equipped with dual USB ports for connecting external storage devices (e.g., USB flash drives for multimedia

playback) or charging compatible devices.

4. Maintenance

To ensure the longevity and optimal performance of your AMprime car stereo, follow these general maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or harsh chemicals that could damage the display.
- **Software Updates:** Periodically check for available software updates from the manufacturer to ensure the system runs efficiently and has the latest features.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Connection Checks:** Occasionally check all cable connections to ensure they are secure and free from corrosion.

5. Troubleshooting

If you encounter issues with your AMprime car stereo, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Unit does not power on.	Check power cable connections and vehicle's fuse box. Ensure the battery is properly connected.
Wireless CarPlay/Android Auto connection is unstable or slow.	Ensure strong Bluetooth/Wi-Fi signal. Try reconnecting the device. Check for software updates for the head unit and your phone.
GPS maps do not display or are inaccurate.	Ensure the GPS antenna is properly installed and has a clear view of the sky. Download or update map data if necessary. Connect to Wi-Fi for online map services.
Poor FM radio reception.	Check the antenna connection. Ensure the antenna is not damaged or obstructed. Signal strength can vary by location.
No sound or only partial speaker output.	Verify speaker wiring connections. Check audio settings (balance, fader, EQ). Ensure volume is not muted.
Steering Wheel Controls not working.	Ensure the Canbus box is correctly connected. Re-enter the SWC learning mode in the unit's settings and re-map the buttons.

If the problem persists after attempting these solutions, please contact customer support.

6. Specifications

Feature	Detail
Model	2+32G (2GB RAM + 32GB ROM)
Operating System	Android 15
Screen Size	10.1 inches

Feature	Detail
Display Type	Capacitive Touch Screen
Resolution	1024 x 600
Connectivity	Bluetooth, USB, Wi-Fi (5G compatible)
Special Features	Wireless CarPlay & Android Auto, Mirror Link, EQ, GPS Navigation, FM/RDS, SWC, AHD Rear View Camera Support
Map Type	North America (offline pre-installed)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Product Dimensions	25.65 x 25.65 x 25.65 cm (approx. 10.1 x 10.1 x 10.1 inches)
Item Weight	1.84 kg (approx. 4.06 lbs)

7. Warranty Information

Specific warranty details for your AMprime car stereo may vary. Please refer to the product packaging or contact the seller directly for comprehensive warranty terms and conditions. It is recommended to retain your proof of purchase for any warranty claims.

8. Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your AMprime car radio stereo, please contact our customer support team.

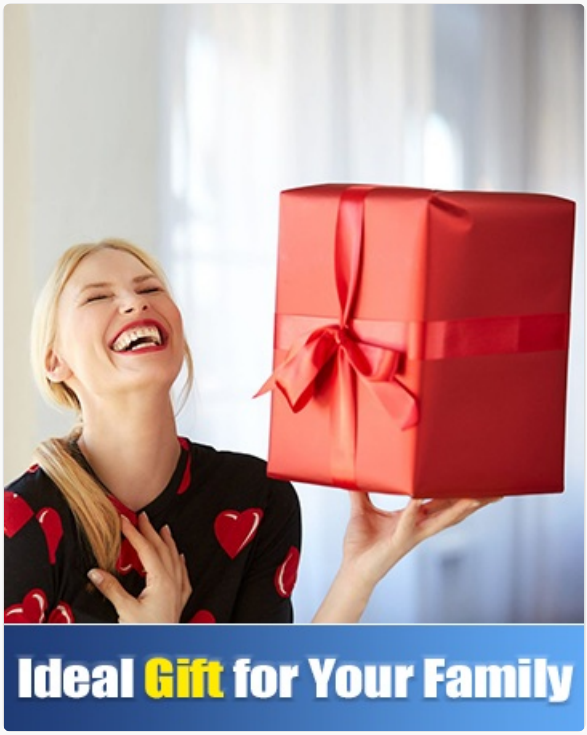


Image 8.1: Customer support team ready to assist with online inquiries.

Email: AmprimeTechSupport@yeah.net

Please include your product model and a detailed description of your issue when contacting support.

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