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AMprime AMprime 9-Inch Android 15 Car Stereo

AMprime Android 15 Car Stereo User Manual

For Dodge Durango (2014-2020)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 15 Car Stereo. This unit is specifically designed for Dodge Durango models manufactured between 2014 and 2020. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. Product Overview

The AMprime Android 15 Car Stereo features a 9-inch capacitive touch screen with a 1024*600 high resolution display, supporting 1080p video playback. It operates on an Android 15 system with 2GB RAM and 64GB ROM, ensuring smooth performance. Key functionalities include:

- Wireless Carplay & Android Auto
- Mirror Link for Android and iOS devices
- Built-in GPS Navigation with offline North America maps
- WiFi connectivity for online maps and app downloads
- FM/RDS Radio receiver
- Bluetooth for hands-free calling and audio streaming
- Steering Wheel Control (SWC) compatibility
- Integrated AHD Rear View Camera support
- Multiple EQ sound effects for audio customization

3. Package Contents

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



Figure 3.1: Included Components

This image displays the complete set of accessories: the main car stereo unit, power cable, USB cables (original and standard), radio antenna, rear camera, RCA cables, microphone, Canbus decoder, GPS antenna, user manual, and an installation tool.

- AMprime Android 15 Car Stereo Unit
- Power Cable
- USB Cable (Standard)
- Original USB Cable
- Radio Antenna
- Rear Camera
- RCA Cable Set
- Microphone
- Canbus Decoder
- GPS Antenna
- User Manual
- Installation Tool

4. Installation Guide (Setup)

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation.

4.1 Vehicle Compatibility

This car stereo is designed to integrate seamlessly with Dodge Durango models from 2014 to 2020. The custom frame ensures a factory-like fit.



Figure 4.1: Before and After Installation in Dodge Durango

This image illustrates the dashboard of a Dodge Durango, showing the original car stereo setup on the left and the integrated AMprime Android 15 Car Stereo on the right, demonstrating the custom fit.

4.2 Wiring Connections

Refer to the wiring diagram provided in the included user manual for specific connections. General connections include:

- **Power Cable:** Connect to the vehicle's power harness. The Canbus decoder ensures proper communication with the vehicle's systems.

- **USB Cables:** For data transfer, charging, and wired Carplay/Android Auto.
- **Radio Antenna:** Connect for FM/RDS radio reception.
- **GPS Antenna:** Position in a location with a clear view of the sky for optimal satellite reception.
- **RCA Cables:** For external audio/video input/output, such as amplifiers or additional monitors.
- **Microphone:** Connect for hands-free calling and voice commands.
- **Rear Camera:** Connect the video input and power as per the diagram below.

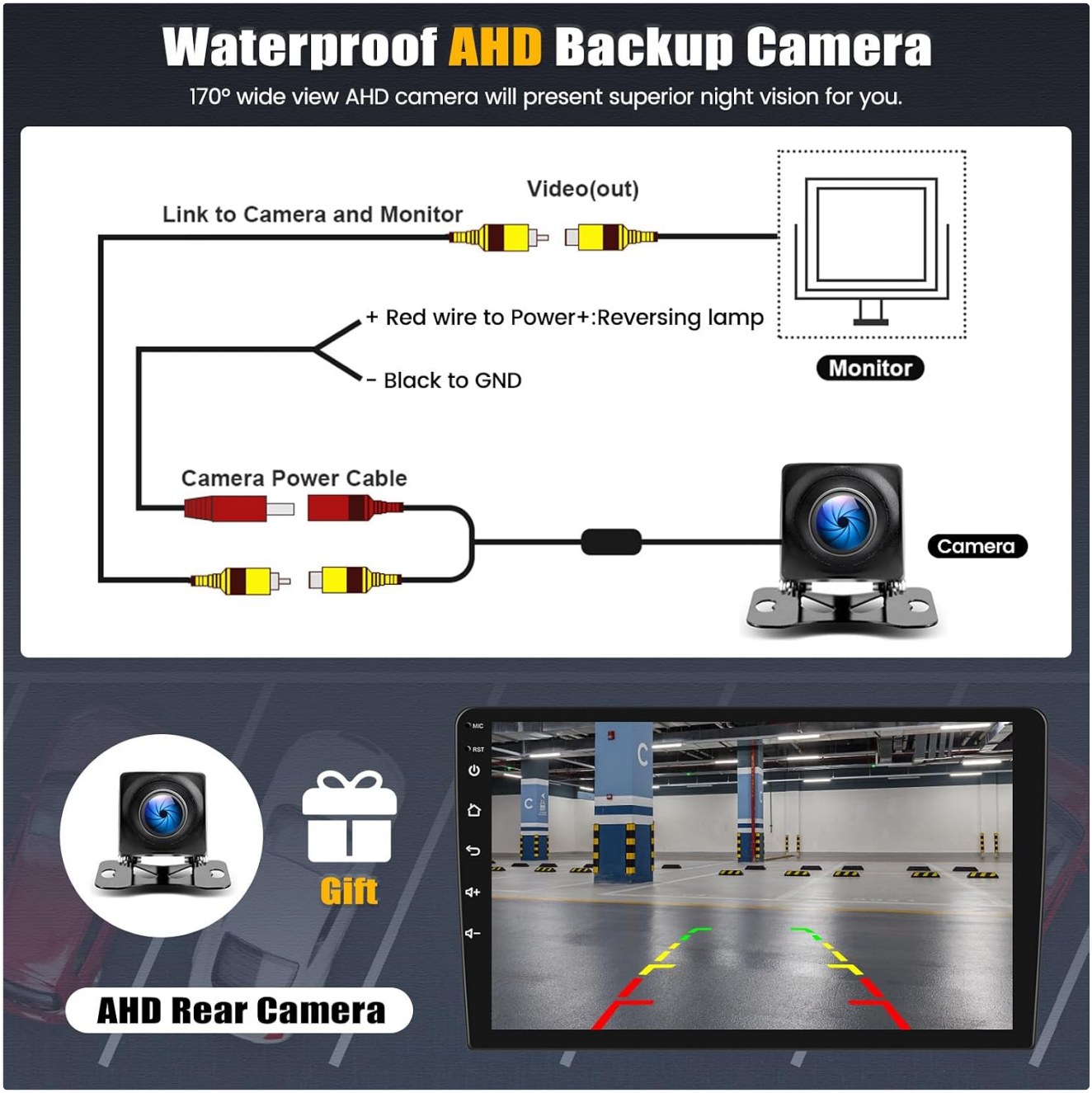


Figure 4.2: AHD Backup Camera Wiring Diagram

This diagram illustrates how to connect the AHD backup camera to the car stereo. It shows the video output connecting to the monitor, the red wire to power and the reversing lamp, and the black wire to ground (GND).

5. Operating Instructions

5.1 Power On/Off

Press and hold the power button (usually located on the front panel or integrated into the steering wheel controls) to turn the unit on or off. A short press typically mutes or unmutes the audio.

5.2 Touch Screen Interface

The 9-inch capacitive touch screen allows for intuitive control. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom gestures where applicable (e.g., in navigation apps).

5.3 Home Screen and Apps

The home screen displays frequently used applications. You can customize the layout and add widgets. Access the app drawer to view all installed applications. New Android applications can be downloaded and installed from the Application Store when connected to WiFi.



Figure 5.1: Car Stereo Main Interface

This image shows the AMprime Android 15 Car Stereo unit with its 9-inch screen displaying various application icons, including popular media and communication apps. The unit is accompanied by a backup camera and microphone.

6. Connectivity Features

6.1 Wireless Carplay & Android Auto

The unit supports both wireless and wired Apple Carplay and Android Auto. Connect your smartphone via USB or

Bluetooth to project your phone's interface onto the car stereo screen. This allows access to navigation, calls, messages, and music applications directly from the stereo display, controllable via voice commands (Siri/Google Assistant).



Figure 6.1: Carplay, Android Auto, and Mirror Link Interface

This image displays the car stereo screen showing Apple Carplay navigation, Android Auto interface, and a mirrored phone screen, illustrating the wireless connectivity options.

6.2 Mirror Link

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

6.3 Bluetooth

Pair your mobile phone with the car stereo via Bluetooth for hands-free calling and wireless audio streaming. The built-in microphone ensures clear communication. To pair, navigate to the Bluetooth settings on the stereo and your phone, then select the stereo from the list of available devices.

6.4 WiFi Connection

The integrated WiFi module enables internet access. Connect to a mobile hotspot or a local WiFi network to use online navigation, download apps, browse the web, or stream content.



Figure 6.2: WiFi, GPS Navigation, and Split Screen

This image illustrates the car stereo's capabilities, including WiFi connectivity (represented by various app icons), GPS navigation with a map view, and the split-screen feature allowing two applications to run concurrently.

7. Navigation (GPS)

The car stereo includes a built-in GPS module with pre-installed offline maps for North America. For real-time traffic updates and additional map features, connect the unit to WiFi to use online navigation services. The GPS antenna should be installed in a location with an unobstructed view of the sky for optimal signal reception.

8. Multimedia Features

8.1 FM/RDS Radio

Tune into your favorite radio stations using the FM/RDS receiver. The automotive-grade chipset ensures stable signal reception. RDS (Radio Data System) provides additional information such as station name, song title, and traffic announcements where available.

8.2 HiFi Function & EQ

Experience high-fidelity audio reproduction with the integrated HiFi function. Customize your sound experience using the various EQ (Equalizer) settings. Choose from preset modes (e.g., Pop, Rock, Jazz) or manually adjust frequency bands to match your preferences.



Figure 8.1: FM/RDS Radio, Bluetooth, and HiFi Function

This image shows the car stereo's display for FM radio tuning, a Bluetooth hands-free call interface, and the graphic equalizer settings for adjusting audio output.

9. Backup Camera (AHD Rear View Camera)

The included AHD rear view camera provides a 170° ultra-wide field of view and excellent night vision capabilities. When the vehicle is shifted into reverse, the camera's feed will automatically display on the car stereo's touch

screen, assisting with parking and maneuvering. Ensure the camera is properly installed and wired according to the diagram in Section 4.2.

10. Steering Wheel Control (SWC)

The car stereo supports integration with your vehicle's existing steering wheel controls. This allows you to conveniently manage functions such as switching songs, adjusting volume, changing channels, and answering calls without taking your hands off the steering wheel. Configuration may be required through the stereo's settings menu.

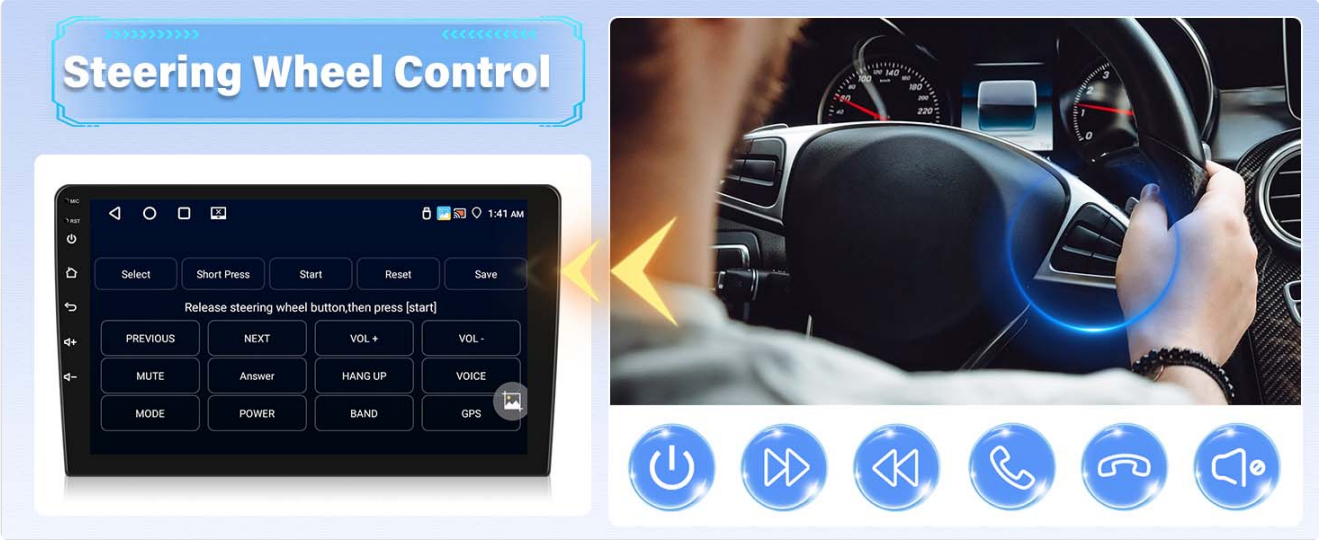


Figure 10.1: Steering Wheel Control Setup

This image displays the user interface for configuring steering wheel controls on the car stereo, alongside a visual of a driver utilizing these controls for safe operation.

11. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, vehicle power issue.	Check power cable connections, inspect vehicle fuses, ensure vehicle battery is charged.
No sound	Volume muted, speaker wires disconnected, incorrect audio settings.	Check volume level, verify speaker connections, adjust audio output settings.
GPS signal lost or inaccurate	GPS antenna obstructed or improperly placed, software issue.	Ensure GPS antenna has a clear view of the sky, check antenna connection, restart navigation app.
Bluetooth not connecting	Device not in pairing mode, incorrect pairing process, interference.	Ensure both devices are in pairing mode, delete previous pairings and re-pair, check for other Bluetooth devices.
Rear camera not displaying	Incorrect camera wiring, camera power issue, software setting.	Verify camera video input and power connections, check camera settings in the stereo menu.

12. Specifications

Feature	Specification
Operating System	Android 15
Screen Size	9 Inches
Display Resolution	1024*600 (Capacitive Touch Screen)
RAM	2GB
ROM	64GB
Connectivity	Bluetooth, WiFi, USB
Special Features	Wireless Carplay, Android Auto, Mirror Link, GPS Navigation, FM/RDS Radio, EQ, SWC, AHD Rear Camera Support
Parcel Dimensions	25 x 20 x 10 cm
Weight	1.1 kg
Manufacturer	AMprime
Country of Origin	China

13. Warranty and Support

13.1 Warranty Information

This AMprime product comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, misuse, abuse, or unauthorized modifications.

13.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact our customer support team:

Email: AmprimeTechSupport@yeah.net

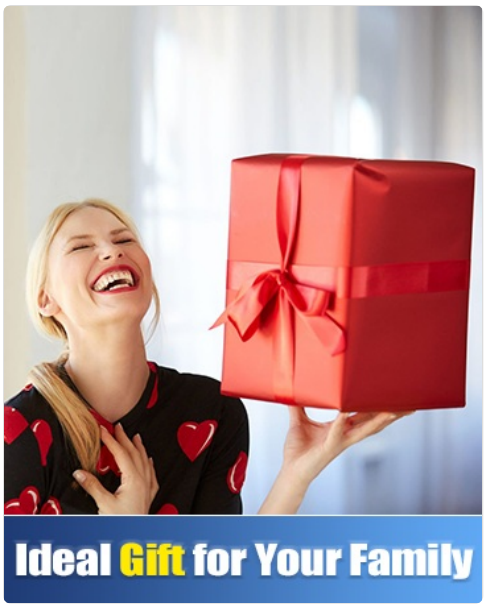


Figure 13.1: Customer Support Contact

This image shows a customer support agent and provides the email address for online customer support and instructions.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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