

AMprime A2424

AMprime Android 10.0 Double Din Car Stereo (Model A2424) User Manual

Model: A2424

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 10.0 Double Din Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

- Always consult a professional for installation if you are unsure about any steps. Incorrect installation can damage the device or your vehicle.
- Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only approved accessories and cables with this device.
- Keep the device clean and free from dust.

3. PACKAGE CONTENTS

The package includes the following items:

- AMprime Android 10.0 Double Din Car Stereo Unit
- Backup Camera
- Power Harness
- GPS Antenna
- USB Cables
- Mounting Brackets and Screws
- User Manual (this document)
- *(Additional accessories may vary based on specific package)*

4. PRODUCT OVERVIEW

The AMprime Android 10.0 Double Din Car Stereo features a 10.1-inch IPS capacitive touchscreen with a resolution of 1024x600. It operates on Android 10.0 with an 8-core processor, 4GB RAM, and 64GB ROM, providing a responsive user experience. Key features include:

- **Operating System:** Android 10.0
- **Display:** 10.1-inch IPS Capacitive Touchscreen (1024x600 resolution)
- **Memory:** 4GB RAM + 64GB ROM
- **Connectivity:** Built-in WiFi, 4G support (SIM card required), Bluetooth, GPS
- **Integration:** Wireless Apple CarPlay, Wired Android Auto, Mirror Link
- **Audio:** DSP function for high-quality sound, FM/AM/RDS Radio
- **Control:** Steering Wheel Control support, Intelligent Voice Control
- **Camera:** Includes AHD Backup Camera with night vision
- **Additional Features:** Split Screen Function, Full RCA video output, Heat Dissipation design.

Carplay & Android Auto & Mirror Link

Connect with Apple and Android mobile phone realize voice control



Figure 4.1: Front view of the AMprime 10.1-inch car stereo unit, showcasing the large touchscreen display.



Figure 4.2: Image illustrating the heat dissipation design of the car stereo unit, highlighting its cooling features.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

- Ensure your vehicle's battery is disconnected before starting installation.
- Verify all package contents are present.
- Gather necessary tools (screwdrivers, wire strippers, electrical tape, etc.).
- Consult your vehicle's specific wiring diagram if available.

5.2 Physical Installation

1. **Remove Old Unit:** Carefully remove your existing car stereo unit and dashboard trim.
2. **Mounting:** Attach the provided mounting brackets to the AMprime unit. Ensure the unit fits securely into the double din slot of your vehicle.
3. **Wiring:** Connect the power harness, speaker wires, and other necessary cables (GPS antenna, USB cables) to the corresponding ports on the car stereo and your vehicle's wiring harness.
4. **Backup Camera Installation:**
 - Mount the backup camera at the rear of your vehicle, typically near the license plate.
 - Route the camera's video cable to the car stereo unit.
 - Connect the camera's power wire to your vehicle's reverse light circuit (12V).
 - Connect the camera's video input to the "CAM IN" port on the car stereo.

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Video 5.1: This video demonstrates the process of wiring a backup camera to the car stereo system, including power and video connections.

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Video 5.2: This video provides instructions on how to connect the reversing camera to the car stereo unit.

Reversing Rear View

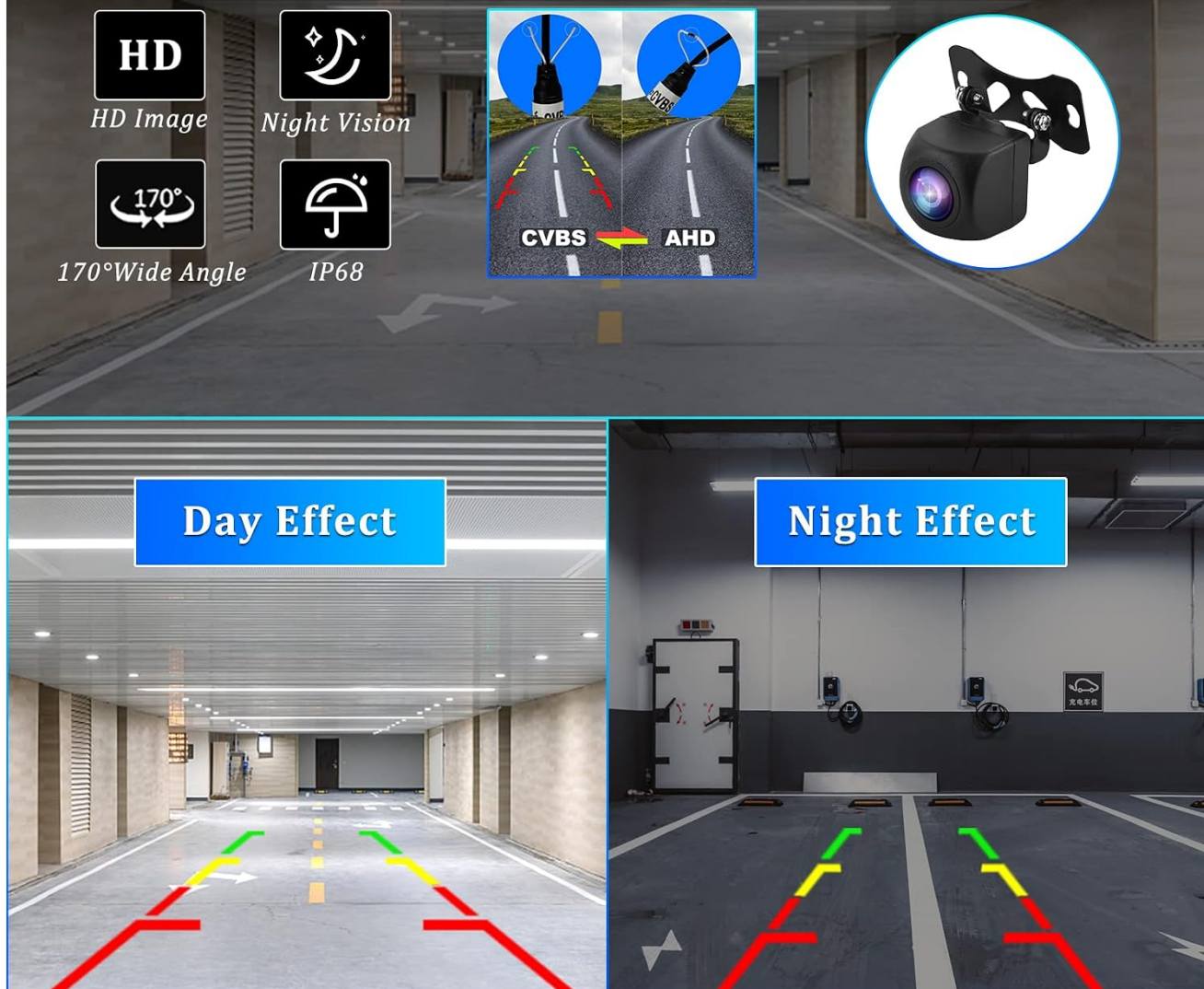


Figure 5.1: Diagram illustrating the reversing rear view system, showing the camera, HD image, night vision, 170-degree wide angle, and IP68 waterproof rating. Includes examples of day and night effects.

5. **Reconnect Battery:** Once all connections are secure, reconnect your vehicle's battery.
6. **Test Unit:** Power on the unit and perform initial tests.

5.3 Initial Power-On and Setup

- Upon first power-on, the system may guide you through initial setup steps, including language selection and time zone.
- Connect to a Wi-Fi network for system updates and online services.

6. OPERATING INSTRUCTIONS

6.1 Wireless Apple CarPlay & Wired Android Auto

Connect your smartphone to the car stereo for seamless integration of navigation, calls, messages, and music.

- **Wireless CarPlay:** For iPhones, enable Bluetooth and Wi-Fi on your phone and connect to the stereo's Bluetooth.

Follow on-screen prompts to activate CarPlay.

- **Wired Android Auto:** For Android phones, connect using an original USB cable. Ensure Android Auto app is installed on your phone.

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Video 6.1: This video demonstrates the steps to connect your smartphone to the car stereo using Apple CarPlay.



Figure 6.1: Image displaying the interface for CarPlay, Android Auto, and Mirror Link functionalities on the car stereo screen.

6.2 GPS Navigation

The unit supports online and offline GPS navigation. Connect to Wi-Fi or insert a 4G SIM card for online maps. Offline maps can be downloaded from the Play Store.

- Tap the "Navigation" icon on the home screen to access map applications.
- Ensure the GPS antenna is properly installed for optimal signal reception.

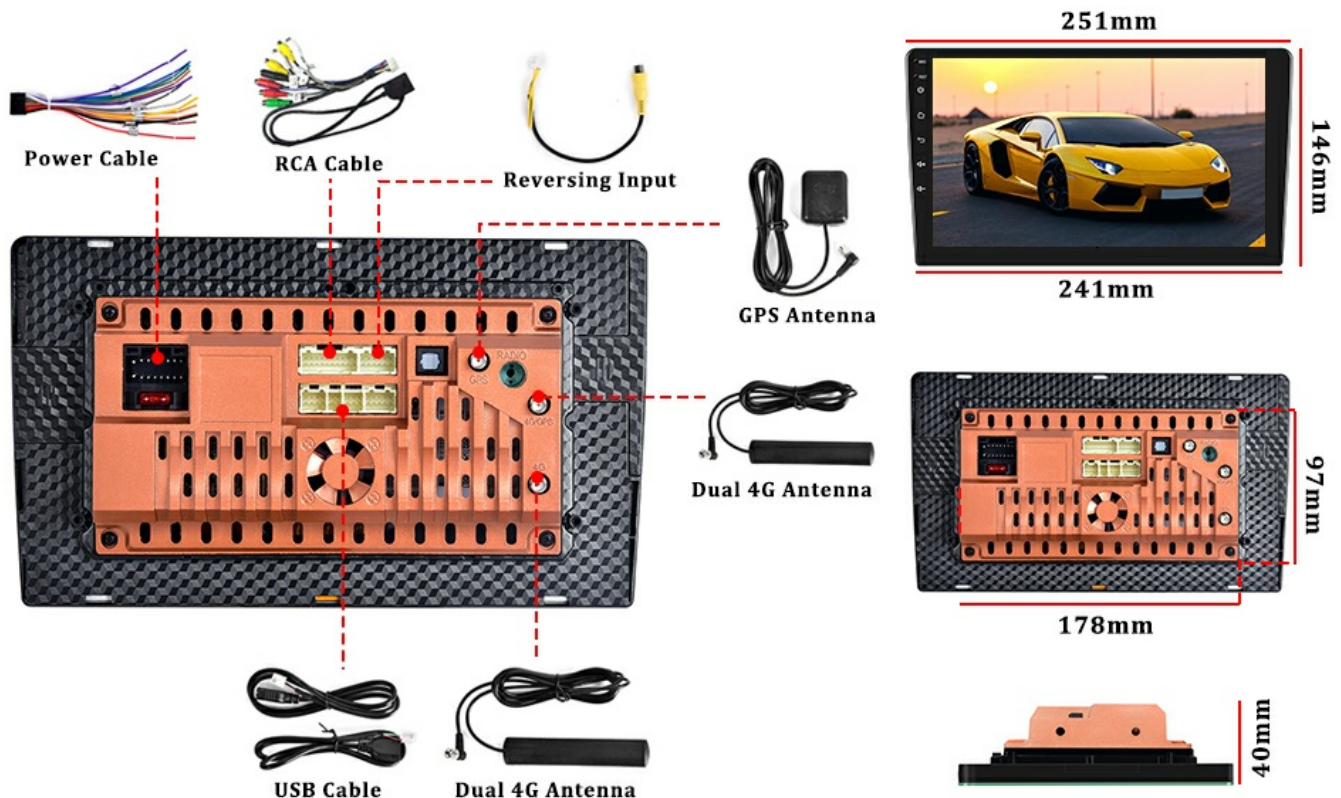


Figure 6.2: Screenshot of the car stereo interface showing GPS navigation, Bluetooth, and DSP audio controls.

6.3 Bluetooth Functionality

Pair your phone via Bluetooth for hands-free calling and music streaming.

- Go to "Settings" > "Bluetooth" on the stereo.
- Enable Bluetooth on your phone and search for the stereo's device name.
- Pair the devices. You can then make calls, download contacts, and play music.

6.4 FM/AM/RDS Radio

Access radio stations with clear reception and RDS functionality.

- Tap the "Radio" icon.
- Use the scan function to find available stations or manually tune.
- Save your favorite stations to presets.

6.5 Intelligent Voice Control

Control various functions using voice commands for safer driving.

- Activate voice control (refer to the system settings for activation method, usually a button or a specific phrase).
- Speak commands clearly, such as "Open Navigation," "Call [Contact Name]," or "Play Music."

6.6 Split Screen Function

Display two applications simultaneously on the screen, such as navigation and music.

- Open the first application.
- Long-press the recent apps button or drag from the side (method may vary by Android version) to activate split-screen mode.

- Select the second application to display.

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Video 6.2: This video demonstrates how to use the split-screen feature on the car stereo to run two applications simultaneously.



Figure 6.3: Image illustrating the split-screen function, showing two applications running side-by-side on the car stereo display.

6.7 Steering Wheel Control

Configure your vehicle's steering wheel buttons to control the car stereo functions.

- Navigate to "Settings" > "Steering Wheel Control" on the stereo.
- Follow the on-screen instructions to map your steering wheel buttons to desired functions (e.g., volume up/down, track skip, mode change).



Figure 6.4: Image demonstrating the steering wheel control setup interface, showing how to assign functions to physical buttons on the steering wheel.

6.8 Reversing Input and Camera Display

When the vehicle is shifted into reverse gear, the stereo automatically displays the rear view from the connected backup camera.

- Ensure the backup camera is correctly installed and wired (refer to Section 5.2).
- The display will automatically switch to the camera view when reverse gear is engaged.
- Parking guidelines may be adjustable in the camera settings.

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Video 6.3: This video illustrates the function display and how to set the HD mode for the reversing camera.

6.9 Changing Wallpaper

Customize the look of your stereo by changing the wallpaper.

- Navigate to "Settings" > "Display" or "Wallpaper".
- Choose from pre-installed wallpapers or select an image from your storage.

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Video 6.4: This video demonstrates how to change the wallpaper on the car stereo's display.

7. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Software Updates:** Periodically check for system software updates via the "Settings" menu to ensure optimal performance and access to new features. Connect to a stable Wi-Fi network for updates.
- **General Care:** Keep the unit free from dust and debris. Ensure proper ventilation around the unit to prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power wiring, inspect vehicle fuses, ensure battery is charged.
No sound from speakers.	Incorrect speaker wiring, volume too low, mute activated.	Verify speaker connections, increase volume, check mute settings.
GPS signal is weak or inaccurate.	GPS antenna not properly installed or obstructed.	Ensure GPS antenna has a clear view of the sky and is securely connected.
Backup camera not displaying.	Camera not powered, video cable loose, incorrect wiring to reverse light.	Check camera power, video cable connection, and reverse light trigger wire.
Bluetooth connection issues.	Phone not discoverable, incorrect pairing process, interference.	Ensure phone Bluetooth is on and discoverable. Re-pair devices. Clear previous pairings.
CarPlay/Android Auto not connecting.	Incorrect cable (for wired), Wi-Fi/Bluetooth issues (for wireless), app not updated.	Use original USB cable for wired. Check Wi-Fi/Bluetooth for wireless. Update phone apps.

9. SPECIFICATIONS

Feature	Detail
Brand	AMprime
Model Number	A2424
Operating System	Android 10.0
Screen Size	10.1 Inches

Feature	Detail
Resolution	1024 x 600
Memory (RAM + ROM)	4GB RAM + 64GB ROM
Connectivity	Bluetooth, Cellular (4G), Wi-Fi
Special Features	Apple CarPlay, Android Auto, Mirror Link, DSP, Voice Control, Split Screen
Radio Tuner	FM/AM/RDS
Included Components	Backup Camera
Human-Interface Input	Touchscreen, Voice
Mounting Type	Panel Mount
UPC	769256200793

10. WARRANTY INFORMATION

AMprime products are covered by a limited warranty against defects in materials and workmanship. The specific warranty period and terms may vary. Please retain your proof of purchase for warranty claims. For detailed warranty information, please refer to the warranty card included with your product or contact AMprime customer support.

11. SUPPORT

If you encounter any issues or have questions not covered in this manual, please contact AMprime customer support:

- **Online Support:** Visit the official AMprime website for FAQs and support resources.
- **Email Support:** Refer to your product packaging or warranty card for customer service email address.
- **Phone Support:** Refer to your product packaging or warranty card for customer service phone number.

When contacting support, please have your product model number (A2424) and proof of purchase ready.

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