AMprime Android 13 2+64G

AMprime Android 13 Car Stereo User Manual

Model: Android 13 2+64G

1. Introduction

Welcome to the AMprime Android 13 Car Stereo user manual. This document provides comprehensive instructions for the installation, operation, and maintenance of your new car stereo system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

1.1 Vehicle Compatibility

This AMprime car stereo is designed for specific vehicle models and years:

- **Chevrolet (2003-2006):** Silverado, Suburban, Tahoe, Avalanche, Chevy Classic Pickup Trucks, C/K Pickup Trucks, Express-Passenger, G Van, Chevy SSR
- **GMC (2003-2006):** Sierra, Yukon, Canyon, Envoy, Denali
- **Hummer (2003-2006):** H2
- **Savanna (2003-2006)**

Figure 1.1: Compatible vehicle models and an example of the stereo installed in a dashboard.

2. Product Features

The AMprime Android 13 Car Stereo offers a range of advanced features for an enhanced driving experience:

- **Android 13 Operating System:** Provides a modern and responsive user interface.
- **7-inch Touchscreen Display:** High-resolution display for clear visuals and easy interaction.
- **Wireless Carplay & Android Auto:** Seamless integration with your smartphone for navigation, music, calls, and more.
- **Built-in WiFi:** Connect to the internet for online maps, app downloads, and browsing.
- **GPS Navigation:** Supports online and offline maps to guide your journeys.
- **Bluetooth Connectivity:** Hands-free calling and audio streaming.
- **FM/RDS Radio:** Access to local radio stations with 18 preset storage functions.
- **Steering Wheel Control (SWC) Support:** Control essential functions directly from your steering wheel.
- **AHD Rear View Camera Input:** Enhances parking safety with clear rear visibility.
- **2GB RAM + 64GB Internal Storage:** Ample memory for smooth operation and app storage.

3. Package Contents and Product Dimensions

Before installation, please verify that all components are present in the package:

- AMprime Android 13 Car Stereo Unit
- Power Cable
- RCA Cable
- 3.9Pin Canbus Plug
- USB Cables (2)
- Rear Camera Input Cable
- Radio Antenna
- GPS Antenna
- Canbus Decoder
- AHD Rear View Camera
- External Microphone
- User Manual
- Mounting Brackets and Screws

Figure 3.1: Package contents and product dimensions.

4. Setup and Installation

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation to prevent electrical damage.

4.1 Wiring Connections

1. **Power Connection:** Connect the main power harness to the vehicle's wiring. Ensure correct connections for constant power (B+), accessory power (ACC), and ground (GND).
2. **Speaker Connections:** Connect the speaker wires to the corresponding vehicle speaker outputs. Observe correct polarity.
3. **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
4. **WiFi Antenna:** Connect the WiFi antenna for optimal wireless signal reception.
5. **USB Cables:** Route the USB cables to an accessible location for connecting external devices or for wired Carplay/Android Auto.
6. **Rear View Camera:** Connect the camera's video output to the 'CAM IN' port on the stereo. Connect the camera's power to the vehicle's reverse light circuit for automatic activation.
7. **External Microphone:** Connect the external microphone for improved call quality. Position it near the driver for best performance.
8. **Steering Wheel Control (SWC):** Connect the SWC wires to the vehicle's SWC interface. Configuration will be done in the settings menu.
9. **Canbus Decoder:** Connect the Canbus decoder if your vehicle requires it for integration with factory features like steering wheel controls or vehicle information display.

Refer to the wiring diagram provided with your specific vehicle's installation kit for detailed connections.

5. Operating Instructions

5.1 Wireless Carplay & Android Auto

To use Wireless Carplay or Android Auto, ensure your phone's Bluetooth and Wi-Fi are enabled.

1. On the car stereo, open the 'Carplay' or 'Android Auto' application.
2. On your smartphone, search for the car stereo's Bluetooth device name and pair them.
3. Confirm the pairing on both devices. The system will then automatically establish a Wi-Fi connection for Carplay/Android Auto.
4. You can now access phone functions like navigation, music, calls, and messages directly on the stereo screen, controlled via touch or voice commands (Siri/Google Assistant).

Figure 5.1: Wireless Carplay and Android Auto interfaces.

5.2 FM/RDS Radio Function

The built-in FM/RDS radio allows you to listen to your favorite stations.

1. From the main menu, select the 'Radio' icon.
2. Use the 'Scan' function to automatically search for available stations.
3. To manually tune, use the frequency up/down buttons.
4. Press and hold a preset button (P1-P6) to save the current station. The stereo supports 18 preset stations.
5. RDS (Radio Data System) will display station information such as song title or artist, if broadcasted.

Figure 5.2: FM/RDS Radio interface.

5.3 Bluetooth Connectivity

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

1. Go to the 'Bluetooth' application on the stereo.
2. Enable Bluetooth on your mobile phone and search for available devices.
3. Select the car stereo's Bluetooth name (e.g., 'AMprime Car Stereo') from your phone's list and pair.
4. Once connected, you can make/receive calls directly from the stereo, access your phonebook, and stream music.

The external microphone ensures clear voice transmission during calls.

5.4 WiFi and GPS Navigation

The stereo features built-in WiFi and GPS for navigation and online services.

1. **WiFi Connection:** Go to 'Settings' > 'Network & Internet' > 'Wi-Fi'. Select your desired Wi-Fi network and enter the password to connect. You can also use your phone's hotspot.
2. **GPS Navigation:** Once connected to WiFi, you can download and use various navigation apps (e.g., Google Maps, Waze) from the app store. The pre-installed GPS module provides accurate positioning.

Figure 5.3: WiFi connection and GPS navigation interface.

5.5 Steering Wheel Control (SWC)

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

1. Go to 'Settings' > 'Steering Wheel Control'.
2. Follow the on-screen instructions to assign functions (e.g., volume up/down, track skip, answer call) to your steering wheel buttons.
3. Press and hold each button on your steering wheel, then select the corresponding function on the stereo screen to program it.

5.6 Backup Camera

The included AHD rear view camera provides a clear view of the area behind your vehicle when reversing.

- When the vehicle is shifted into reverse gear, the stereo display will automatically switch to the camera view.
- The camera features a 170° ultra-wide field of view and excellent night vision capabilities.
- Ensure the camera is properly installed and connected as per the wiring instructions.

Figure 5.4: Backup camera view and Steering Wheel Control setup.

6. Troubleshooting

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

Problem	Possible Cause	Solution
No Power	Incorrect wiring, blown fuse, vehicle battery issue.	Check power cable connections (B+, ACC, GND). Inspect vehicle fuses. Ensure battery is charged.
No Sound	Speaker wiring issues, volume too low, mute activated.	Verify speaker connections and polarity. Increase volume. Check if mute function is active.
Bluetooth Not Connecting	Bluetooth not enabled, incorrect pairing process, interference.	Ensure Bluetooth is on for both devices. Delete previous pairings and re-pair. Move closer to the stereo.

Problem	Possible Cause	Solution
GPS Not Working / Inaccurate	GPS antenna not properly installed, poor signal, app issues.	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Restart navigation app.
Carplay/Android Auto Disconnects	Unstable Wi-Fi/Bluetooth connection, phone software issue.	Ensure strong Wi-Fi/Bluetooth signal. Update phone OS. Restart phone and stereo.
Steering Wheel Controls Not Responding	Incorrect wiring, improper programming, Canbus issue.	Verify SWC wiring. Re-program controls in settings. Check Canbus decoder connection if applicable.

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

7. Specifications

Key technical specifications for the AMprime Android 13 Car Stereo:

Feature	Specification
Operating System	Android 13
Display Size	7 Inches
Memory (RAM)	2 GB
Storage (ROM)	64 GB
Connectivity	Wi-Fi, Bluetooth
Special Features	Wireless Carplay, Android Auto, GPS, FM/RDS, SWC, AHD Camera Support
Map Type	Worldwide (via apps)
Mounting Type	Dashboard Mount
Item Weight	2.42 pounds
Package Dimensions	8.66 x 7.87 x 3.15 inches

8. Warranty and Customer Support

8.1 Warranty Information

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

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact AMprime customer support:

Email: AmprimeTechSupport@yeah.net

Figure 8.1: AMprime Customer Support Contact Information.

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