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› AMprime Qualcomm Android 13 Car Stereo for Ford F-150 (2009-2012) User Manual

AMprime Qualcomm Android 13 8 Core Car Stereo for Ford F150 F-150 2009-2012

AMprime Qualcomm Android 13 Car Stereo User Manual

Model: Qualcomm Android 13 8 Core Car Stereo for Ford F150 F-150 2009-2012

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your AMprime Qualcomm Android 13 Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. This unit is designed specifically for Ford F-150 models from 2009 to 2012.

SETUP AND INSTALLATION

1. Compatibility Check

Ensure your vehicle is a Ford F-150 manufactured between 2009 and 2012. This unit is designed for direct fitment in these specific models. Refer to the image below for visual confirmation of compatible and incompatible dashboard configurations.

For Ford F150 F-150 2009-2012

After installation



Image: Installation compatibility guide for Ford F-150 2009-2012 car stereo. This image illustrates the appearance of the stereo after installation, alongside various 'Before' views of compatible dashboards and 'Not fit' examples for incompatible dashboard configurations. Verify your vehicle's dashboard matches a 'Fit' example before proceeding.

2. Basic Wiring Connections

Before connecting, ensure the vehicle's battery is disconnected to prevent electrical damage. Connect the following:

- **Power Harness:** Connect the main power harness to the vehicle's wiring. Ensure ACC (Accessory), B+ (Constant Power), and GND (Ground) wires are correctly matched.
- **Speaker Wires:** Connect the speaker output wires from the stereo to the corresponding vehicle speaker wires. Pay attention to positive and negative terminals.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield. Connect it to the GPS input on the stereo.

- **Wi-Fi Antenna:** Connect the Wi-Fi antenna to the designated port for optimal wireless connectivity.
- **Rear View Camera (Optional):** If installing an AHD rear view camera, connect its video output to the 'CAM IN' port and its power to the reverse light circuit for automatic activation.
- **USB Cables:** Connect any external USB devices or use for CarPlay/Android Auto.

3. Initial Power-On

After all connections are secure, reconnect the vehicle's battery. Turn on the ignition. The stereo should power on and display the boot screen. Follow any on-screen prompts for initial setup.

OPERATING INSTRUCTIONS

1. Basic Functions

- **Power On/Off:** Press and hold the power button on the front panel or use the vehicle's ignition.
- **Volume Control:** Adjust volume using the physical knob or on-screen controls.
- **Screen Brightness:** Access display settings to adjust screen brightness for optimal visibility.

2. Touchscreen Interface

The 9-inch touchscreen provides a responsive interface for navigating the Android 13 system. Swipe left/right to access different home screens, tap icons to open applications, and use the notification bar for quick settings.

3. Radio (FM/AM/RDS)

Access the 'Radio' application. Use the scan function to find available stations. Save your favorite stations to the 18 preset memory slots. RDS (Radio Data System) provides station information where available.

4. Bluetooth Connectivity (Bluetooth 5.1)

Go to 'Settings' > 'Bluetooth'. Enable Bluetooth on your mobile device and search for the car stereo. Pair the devices using the provided PIN (usually 0000 or 1234). Once connected, you can:

- Make and receive hands-free calls.
- Stream audio from your phone.
- Access phone contacts.

Advanced Sound Quality

Bluetooth 5.1



DSP Function



Image: Bluetooth 5.1 interface and DSP function settings. This image displays the Bluetooth connection screen, showing paired devices and call functions, along with the Digital Sound Processor (DSP) interface for audio customization.

5. Wi-Fi and GPS Navigation

Connect to a Wi-Fi network via 'Settings' > 'Wi-Fi'. Once connected, you can:

- Download and install applications from the Google Play Store.
- Use online navigation apps like Google Maps, Waze, or Here WeGo.
- Download offline maps for navigation without an internet connection.

Qualcomm 8-Core Chipset/WiFi



GPS Navigation



Image: Qualcomm 8-Core Chipset and GPS Navigation. This image highlights the internal Qualcomm 8-core chipset and Wi-Fi capabilities, along with a visual representation of the GPS navigation system displaying a map with route guidance.

6. CarPlay, Android Auto, and Mirror Link

This unit supports wireless CarPlay and Android Auto, as well as Mirror Link functionality. Connect your smartphone via USB or Bluetooth.

- **CarPlay/Android Auto:** Allows seamless integration of your phone's interface for navigation, music, calls, and messages, controlled via Siri or Google Assistant.
- **Mirror Link:** Projects your phone's screen onto the stereo display, enabling you to view videos, images, and other content.

Wireless CarPlay/ Android Auto/Mirror Link

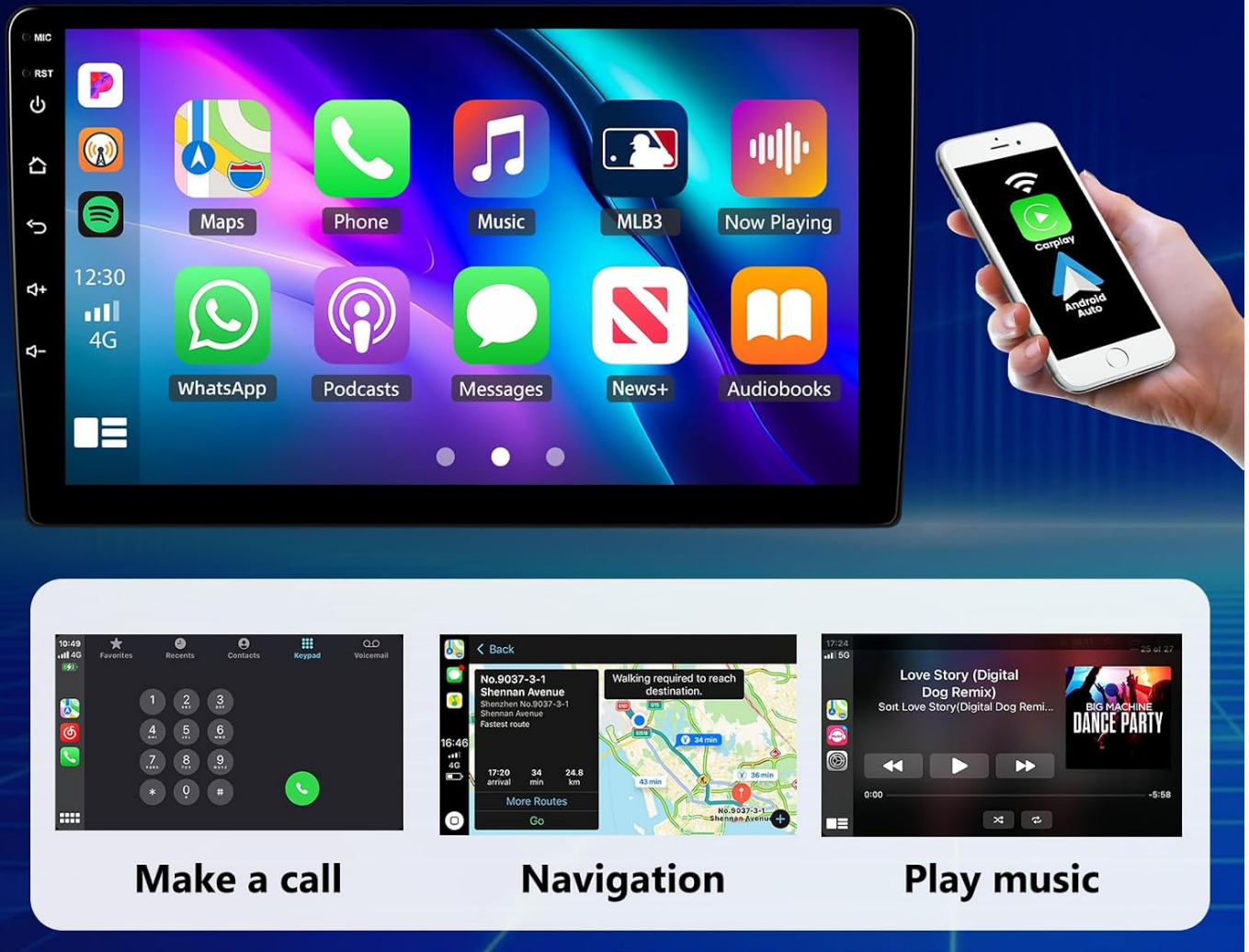


Image: Wireless CarPlay, Android Auto, and Mirror Link interfaces. This image demonstrates the user interface when connected to CarPlay or Android Auto, showing common applications like maps, phone, music, and messaging, along with a phone mirroring example.

7. DSP Function (Digital Sound Processor)

Access the DSP settings to customize your audio experience. Adjust equalizer settings, balance, fader, and other sound effects to achieve your preferred sound quality.

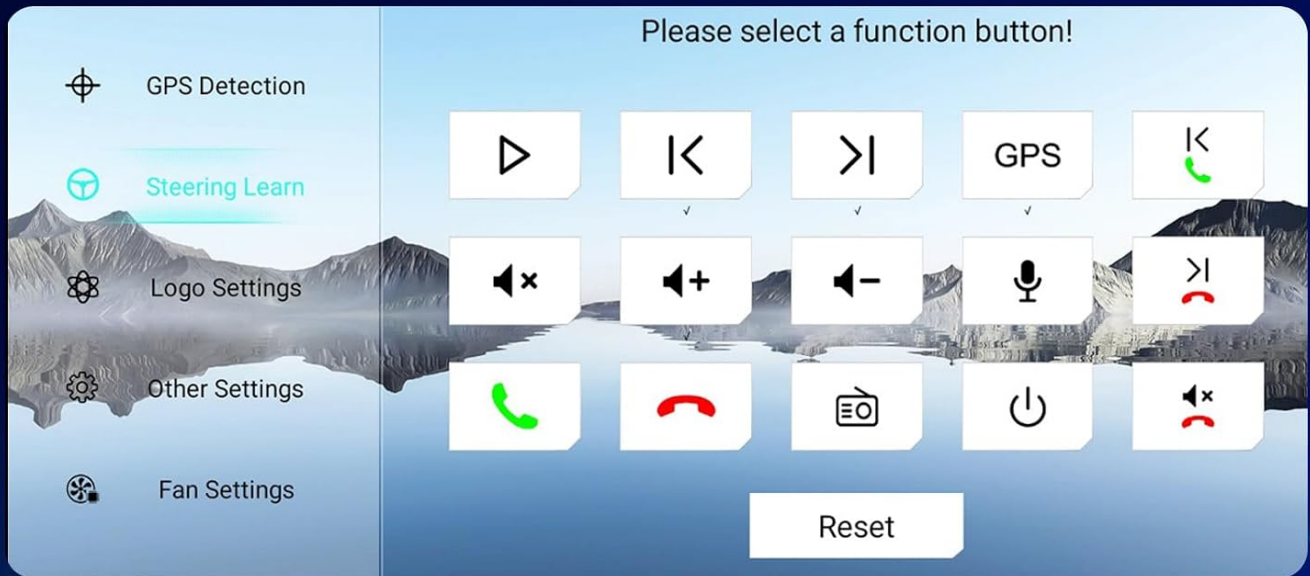
8. Steering Wheel Control

The unit supports integration with your vehicle's steering wheel controls. Navigate to 'Settings' > 'Steering Wheel Control' to program the buttons. This allows you to control functions like volume, track skipping, and call answering without taking your hands off the wheel.

9. AHD Rear View Camera

When the vehicle is shifted into reverse, the AHD rear view camera image will automatically display on the screen. The camera features a 170° ultra-wide field of view and excellent night vision for enhanced safety during parking and reversing maneuvers.

Steering Wheel Control



HD Night-vision Rear View Camera



Image: Steering Wheel Control settings and HD Night-vision Rear View Camera display. This image shows the on-screen interface for programming steering wheel controls and a clear view from the HD night-vision rear camera with parking guidelines.

MAINTENANCE

1. 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 abrasive materials or harsh chemicals.

2. Software Updates

Periodically check for software updates through the system settings or the manufacturer's website. Updates can improve performance, add features, and fix bugs. Follow the provided instructions carefully when performing updates.

3. Environmental Considerations

Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. These conditions

can affect the unit's performance and lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery issue.	Check power (B+), accessory (ACC), and ground (GND) connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound from speakers.	Volume too low, mute activated, incorrect speaker wiring, amplifier issue.	Increase volume. Check if mute is active. Verify speaker wire connections. Check external amplifier if used.
Bluetooth connection fails.	Bluetooth not enabled, incorrect pairing, interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Move closer to the unit.
GPS signal is weak or lost.	GPS antenna obstructed or improperly placed, antenna connection loose.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
Touchscreen is unresponsive.	System freeze, temporary software glitch.	Restart the unit (turn vehicle off and on). If issue persists, perform a factory reset (refer to settings menu).
CarPlay/Android Auto not connecting.	Incorrect USB cable, phone settings, app issues.	Use a high-quality USB data cable. Ensure CarPlay/Android Auto is enabled on your phone. Restart phone and stereo.

SPECIFICATIONS

- **Operating System:** Android 13
- **Processor:** Qualcomm 8-Core CPU
- **Memory (RAM):** 3GB
- **Storage (ROM):** 32GB
- **Screen Size:** 9 inches
- **Viewing Angle:** 178° Full Viewing Angle
- **Connectivity:** Wi-Fi, Bluetooth 5.1
- **Navigation:** Built-in GPS, supports online/offline maps (Worldwide map type)
- **Audio Features:** FM/AM/RDS Radio, HiFi DSP EQ, 18 preset storage functions
- **Smartphone Integration:** Wireless CarPlay, Android Auto, Mirror Link
- **Camera Support:** AHD Rear View Camera (170° ultra-wide field of view, night vision)
- **Control:** Steering Wheel Control, Buttons, Touchscreen
- **Included Components:** Radio unit
- **Parcel Dimensions:** 26 x 21 x 7 cm
- **Weight:** 2.1 kg
- **Manufacturer:** AMprime

WARRANTY AND SUPPORT

Warranty Information

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in the packaging or contact your retailer for specific details regarding warranty duration and coverage. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller or AMprime customer support. Contact details can typically be found on the product packaging, the seller's online store page, or the official AMprime website.

ASK A QUESTION ABOUT THIS MANUAL

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