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Roadanvi Roadanvi-X14

Roadanvi X14 9-inch Head Unit Instruction Manual

For Subaru Forester (2015-2018) & Subaru WRX (2016-2021)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Roadanvi X14 9-inch Head Unit. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your driving experience.

2. Vehicle Compatibility

The Roadanvi X14 head unit is specifically designed for the following vehicle models:

- Subaru Forester: 2015-2018 models
- Subaru WRX: 2016-2021 models

Important Note:
This unit is not compatible with Harman Kardon audio systems. Ensure that your OEM radio's upper A/C vent trim is silver for proper fitment. Refer to the images below to confirm compatibility with your vehicle's dashboard.



Image: Examples of compatible and incompatible Subaru dashboards. Verify your OEM radio's A/C vent trim matches the 'Fit' examples.

3. What's in the Box

Carefully unpack the box and ensure all components are present. If any items are missing or damaged, please contact customer support.

Your browser does not support the video tag.

Video: Unboxing the Roadanvi X14 Head Unit for Subaru Forester/WRX. This video demonstrates the contents of the package and the initial appearance of the head unit.



Included in the Box

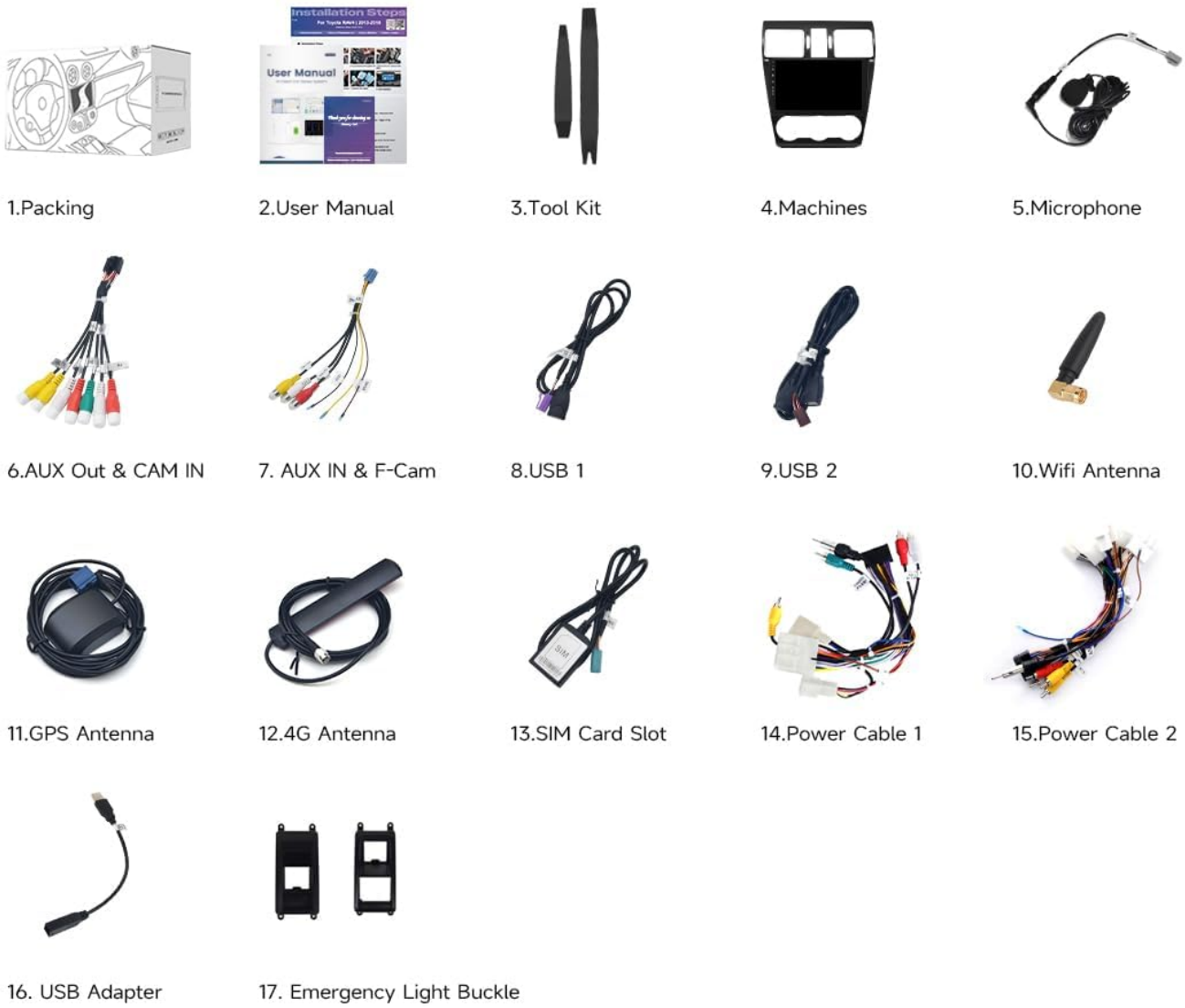


Image: All components included in the Roadanvi X14 Head Unit package.

The package includes:

1. Main Head Unit Machine

2. Microphone
3. Tool Kit
4. AUX Out & CAM IN Cable
5. AUX IN & F-Cam Cable
6. USB1 Cable
7. USB2 Cable
8. GPS Antenna
9. 4G Antenna
10. SIM Card Slot Extension
11. Canbus Decoder
12. Power Cable
13. USB Adapter
14. User Manual
15. Emergency Light Buckle

4. Setup and Installation

Installation of the Roadanvi X14 head unit is designed to be plug-and-play for compatible vehicles. However, professional installation is recommended to ensure correct wiring and functionality.

4.1 Wiring Diagram

Refer to the wiring diagram below for proper connection of all components. Ensure all cables are securely connected to their respective ports.

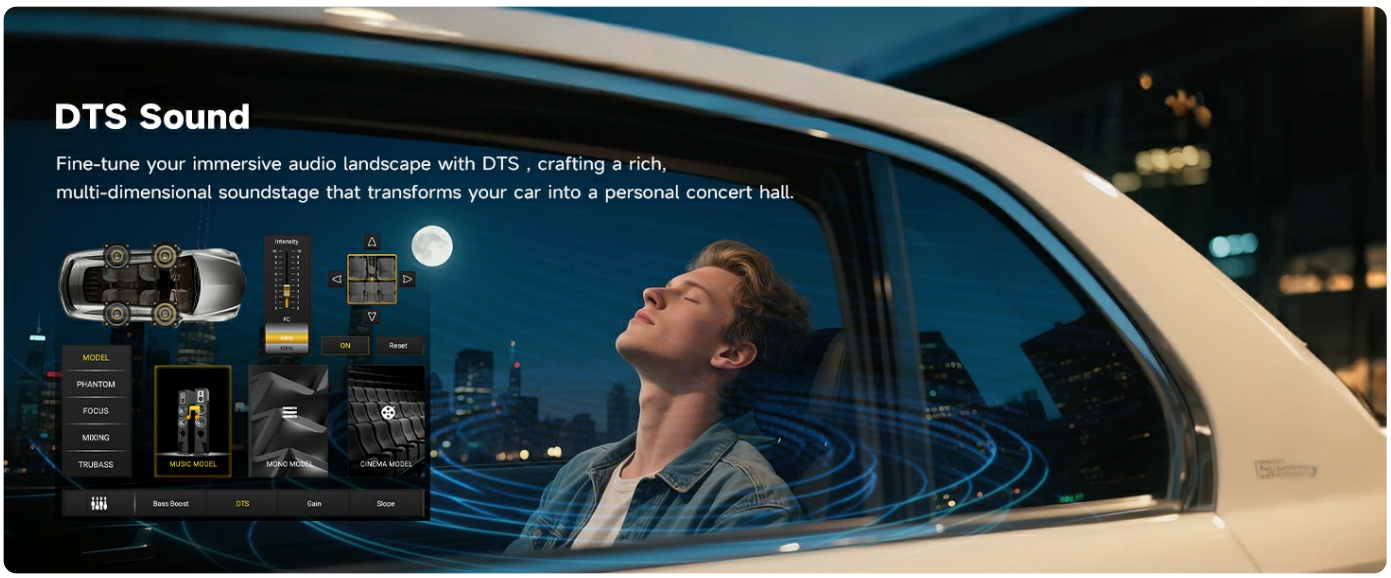


Image: Detailed wiring diagram for the Roadanvi X14 head unit, showing connections for antennas, USB, AUX, camera, and power.

4.2 Retaining Factory Features

The head unit is designed to retain several factory car features, including:

- Steering Wheel Controls
- Rear-view Camera (with reverse trajectory)
- AUX and SUB functions
- Door Information Display

- A/C Information Display
- USB / AUX ports

Note:
If your original car does not possess these features, they will not be added by the head unit installation.



Image: Visual representation of retained factory features such as door information, A/C information, backup camera, steering wheel controls, and USB/AUX ports.

5. Operating Instructions

5.1 System Performance

The Roadanvi X14 operates on Android 14, powered by an MTK8781 8-core processor. It features 6GB RAM and 128GB internal storage, ensuring smooth multitasking and rapid application launches.



Image: Overview of the MTK8781 processor, 6GB RAM, 128GB storage, and Android 14 operating system.

5.2 User Interface (UI) Customization

The head unit offers three selectable UI themes to personalize your driving experience:

- **Ocean Wave:** Features a clean layout with a large clock and a customizable side app bar.
- **Elegant Simplicity:** Displays more apps with a replaceable bottom app bar and an enlarged left-side navigation view.
- **Fantasy Colors:** Provides vibrant icons on a dark, modern layout.

The main UI automatically switches between day and night modes based on time or headlight activation for optimal visibility.

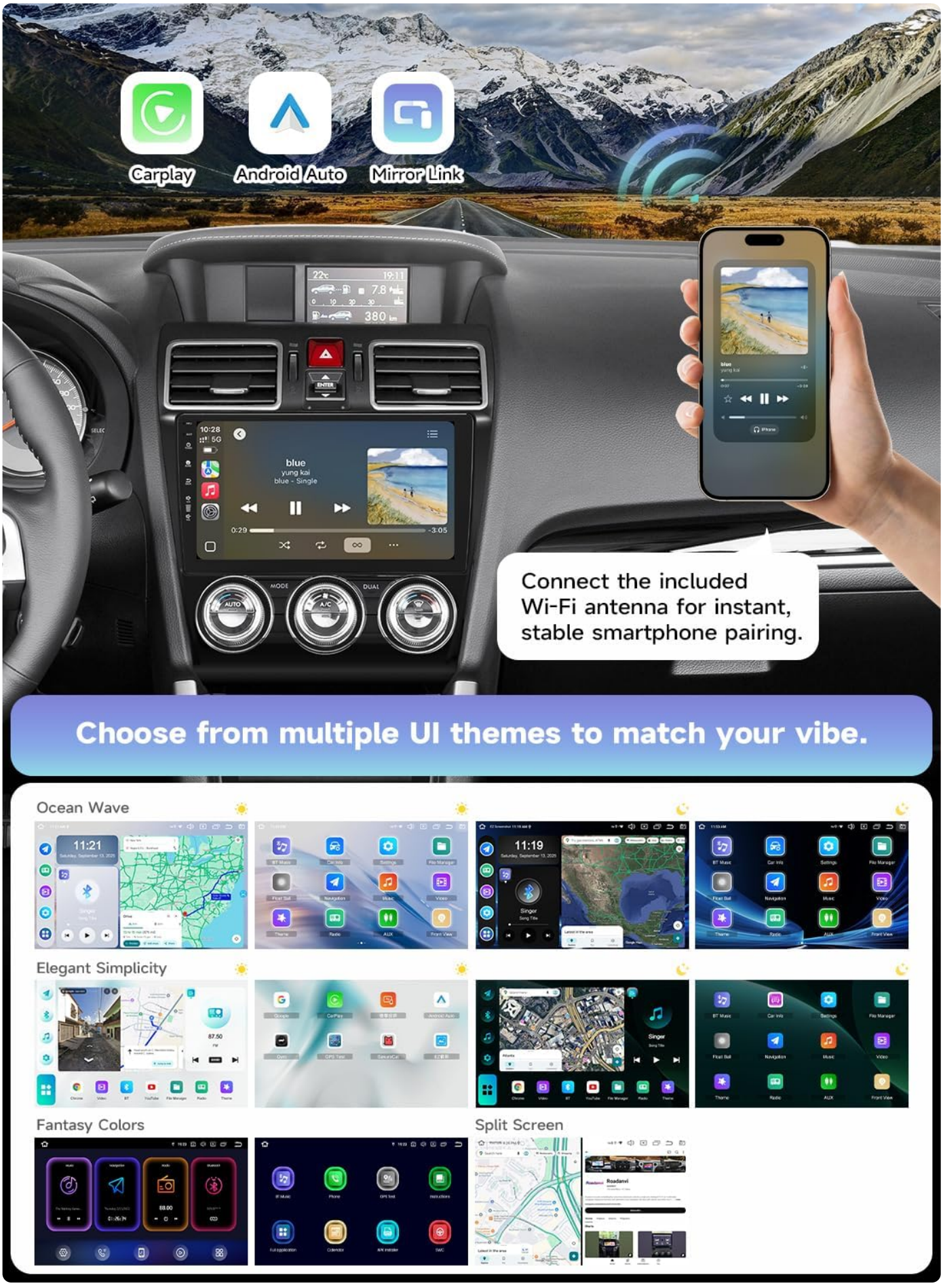


Image: Examples of the three UI themes (Ocean Wave, Elegant Simplicity, Fantasy Colors) and split-screen mode.

5.3 Connectivity

The head unit provides various connectivity options for seamless integration with your devices and networks.

5.3.1 Wireless CarPlay / Android Auto / Screen Mirroring

Connect your smartphone wirelessly via Bluetooth 5.2 for access to CarPlay, Android Auto, or screen mirroring. This allows hands-free use of navigation, calls, messages, and music through Siri or Google Assistant.

5.3.2 4G SIM Slot & 5G WiFi

Insert a 4G SIM card (not included) into the provided slot for on-the-go internet access, enabling navigation, music streaming, and real-time traffic updates without relying on your phone's hotspot. For faster downloads and streaming, connect to 5G WiFi when available.

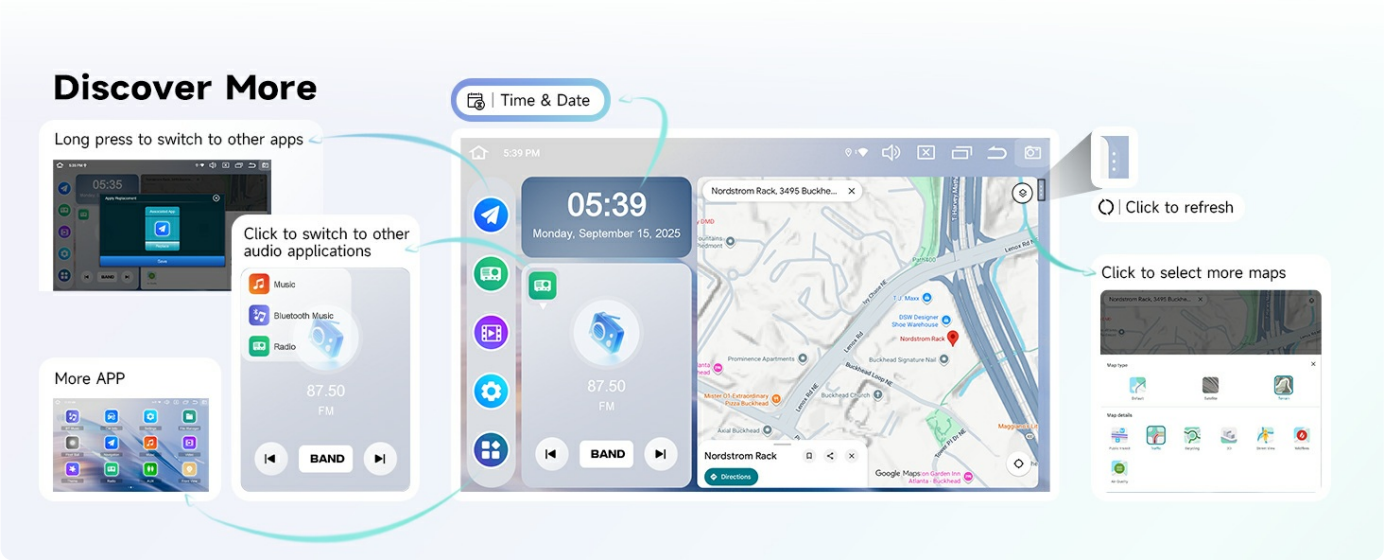


Image: Step-by-step guide on how to correctly insert a SIM card into the head unit's SIM card slot. Ensure the engine is turned off before insertion.

5.4 Audio Features

Experience enhanced audio quality with DTS surround tuning and optical fiber output for lossless audio. The system includes a high-performance amplifier for richer bass and clearer vocals. Connect to external amplifiers for further audio customization.



Image: Illustration of DTS sound tuning and fiber optical output for high-fidelity audio.

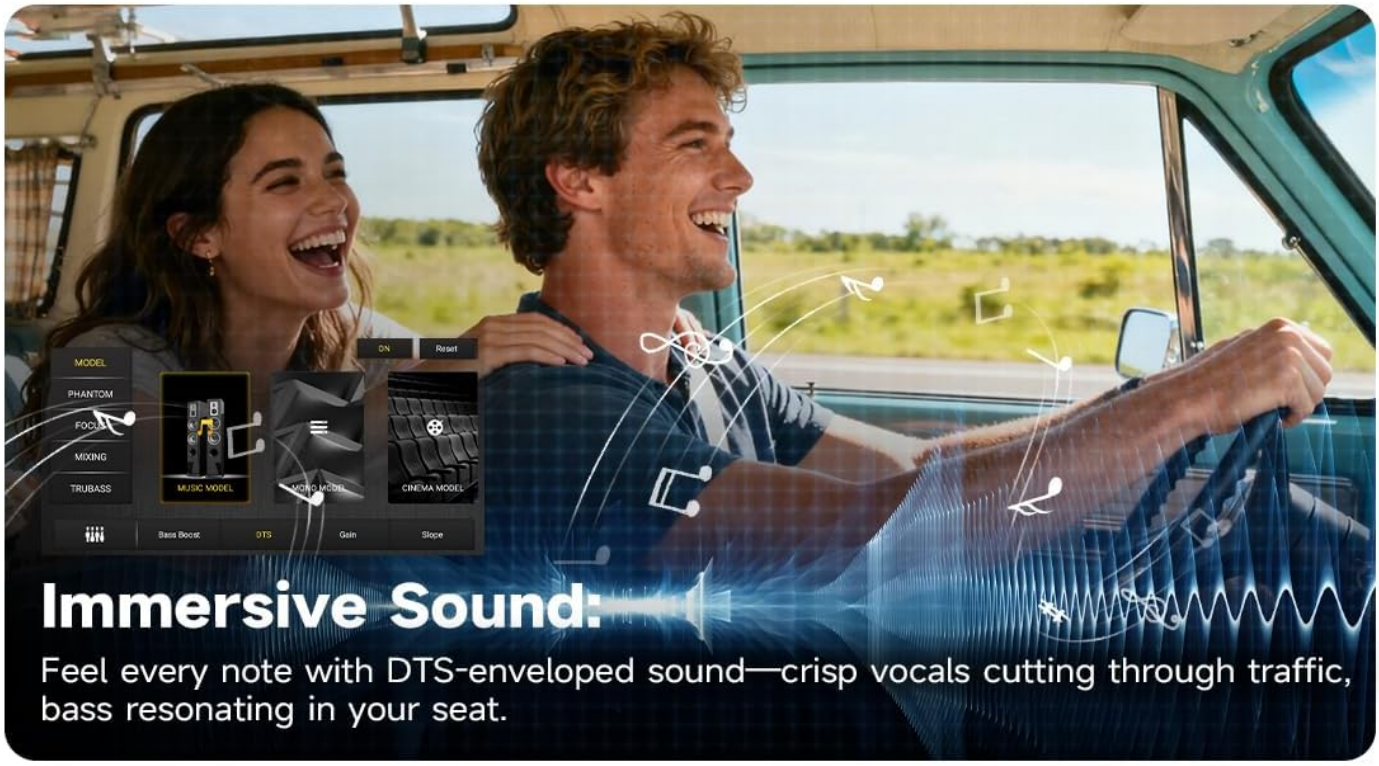
5.5 Navigation

The head unit supports GPS navigation, providing accurate location and routing information. With 4G/5G connectivity,

real-time traffic updates are available.

5.6 Off-Road Inclinometer

Equipped with an advanced gyroscope sensor, the head unit can display real-time vehicle pitch, roll, and driving angle. This feature is useful for off-road driving, camping, and navigating uneven terrain, providing insight into vehicle balance and road conditions.



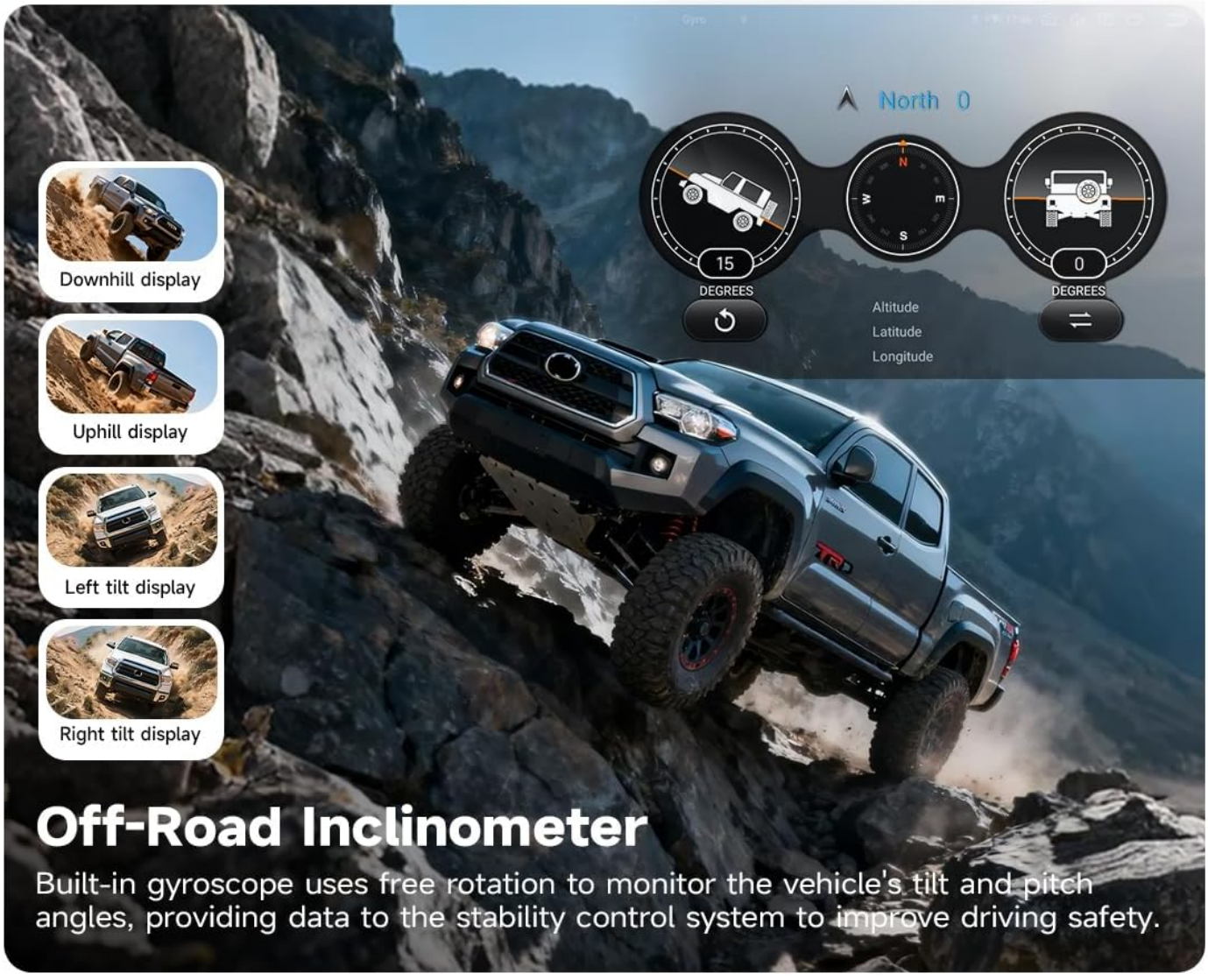


Image: Display showing real-time vehicle pitch, roll, and driving angle, useful for off-road conditions.

6. Maintenance

To ensure the longevity and optimal performance of your Roadanvi X14 Head Unit, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the QLED touchscreen. Avoid abrasive cleaners or harsh chemicals, which can damage the display.
- **Software Updates:** Periodically check for and install available software updates to ensure the system runs efficiently and has the latest features and security patches.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this can affect performance and lifespan.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent issues.

7. Troubleshooting

If you encounter issues with your Roadanvi X14 Head Unit, refer to the following common troubleshooting steps:

- **No Power:**
  - Check all power cable connections to ensure they are secure.
  - Verify the vehicle's fuse related to the head unit is intact.
- **No Sound:**
  - Check speaker wire connections.
  - Ensure the volume is not muted or set to a very low level.
  - Verify audio settings in the system menu.
- **GPS Signal Issues:**
  - Ensure the GPS antenna is properly installed and has a clear view of the sky.
  - Check the GPS antenna connection to the head unit.
- **Bluetooth/Wi-Fi Connectivity Problems:**
  - Restart the head unit and your mobile device.
  - Ensure Bluetooth/Wi-Fi is enabled on both devices.
  - Forget and re-pair Bluetooth devices.
- **Touchscreen Unresponsive:**
  - Perform a soft reset of the head unit (refer to the device settings for reset options).
  - Ensure the screen is clean and free of debris.

If these steps do not resolve the issue, please contact Roadanvi customer support for further assistance.

8. Specifications

Feature	Specification
Brand	Roadanvi
Model Name	Roadanvi-X14

Operating System	Android 14
Processor	MTK8781 (8-core)
RAM	6GB
Memory Storage Capacity	128GB
Screen Size	9 Inches
Display Type	QLED
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth 5.2, USB, Wi-Fi (5G), 4G LTE
Supported Navigation System	GPS
Audio Output	DTS Surround Tuning, Optical Fiber Output
Compatible Devices	CarPlay, Android Auto
Mounting Type	Dashboard Mount

9. Warranty

The Roadanvi X14 Head Unit comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or normal wear and tear.

10. Support

For technical assistance, installation guidance, or any other inquiries regarding your Roadanvi X14 Head Unit, please contact Roadanvi customer support.
You can typically find support contact information on the official Roadanvi website or through the platform where you purchased the product. Look for a 'Contact Us' or 'Support' section.

Image: Example of how to access customer support, typically through the seller's storefront or by asking a question directly.

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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