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› XTRONS Android 14 Car Stereo User Manual

XTRONS XTRONS Android 14 Car Stereo (Model B0CC257ZGY)

XTRONS Android 14 Car Stereo User Manual

Model: XTRONS Android 14 Car Stereo (Model B0CC257ZGY) | Brand: XTRONS

1. INTRODUCTION

Welcome to the user manual for your new XTRONS Android 14 Car Stereo. This head unit is designed to provide a comprehensive in-car entertainment and navigation experience, specifically tailored for Jeep Renegade models from 2015-2020. Featuring an Octa Core processor, ample memory, and a high-definition QLED touch screen, it integrates seamlessly with modern smartphone technologies and offers advanced vehicle functions.

Please read this manual thoroughly to understand the product's features, installation process, and operational guidelines to ensure safe and optimal performance.

2. SAFETY INFORMATION

For your safety and to prevent damage to the product or vehicle, please observe the following precautions:

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended to avoid improper wiring, which can lead to damage or malfunction.
- **Avoid Distractions:** Do not operate the unit's complex functions or watch videos while driving. Always prioritize road safety.
- **Power Source:** Ensure the unit is connected to a 12V DC power supply with negative grounding.
- **Temperature:** Avoid exposing the unit to extreme temperatures. Refer to specifications for operating temperature ranges.
- **Moisture:** Keep the unit dry. Exposure to moisture can cause electric shock or damage.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

3. WHAT'S IN THE BOX

Your XTRONS Android 14 Car Stereo package includes the following components:

- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 1 × 4G Antenna
- 1 × Original USB Connection Cable
- 1 × CANbus Box
- 2 × USB Cable
- 1 × GPS Antenna
- 1 × Radio Antenna Port
- 1 × WiFi Antenna
- 1 × Speaker
- 1 × Camera Cable
- 1 × Holder
- 1 × User Manual



Figure 3.1: All components included in the XTRONS Android 14 Car Stereo package.

4. SETUP AND INSTALLATION

This section provides general guidance for installing your XTRONS car stereo. Due to variations in vehicle models and trim levels, professional installation is highly recommended.

4.1. Vehicle Compatibility

This unit is specifically designed for Jeep Renegade models from 2015 to 2020. Ensure your vehicle falls within this range for proper fitment and functionality.



Figure 4.1: Visual comparison of the dashboard before and after installing the XTRONS unit.

4.2. Physical Dimensions

Before installation, verify the dimensions of the head unit to ensure it fits your vehicle's dashboard opening.



Figure 4.2: Dimensions of the XTRONS Android 14 Car Stereo.

4.3. Wiring Connections

Connect all necessary cables according to the wiring diagram. Ensure all connections are secure to prevent intermittent issues.



Figure 4.3: Comprehensive wiring diagram for the XTRONS head unit.

- **ISO Wiring Harness:** Connects the main power and speaker wires from the vehicle to the head unit.

- **CANbus Box:** Essential for integrating with the vehicle's existing systems, such as steering wheel controls and displaying original vehicle information.
- **Antennas:** Connect the 4G, GPS, WiFi, and Radio antennas to their respective ports on the back of the unit.
- **RCA Cables:** For audio output (e.g., external amplifiers) and video input/output.
- **USB Cables:** Provide multiple USB ports for connecting external devices, media, or for wired CarPlay/Android Auto.
- **Camera Cable:** Connect your backup camera for real-time reversing images.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

The unit features an intuitive rotary knob for volume control and tactile physical buttons for common functions like Home, Back, Radio, and Navigation. An instant EQ access button allows quick sound adjustments.



Figure 5.1: Front panel controls and ports.

5.2. Android 14 Operating System

Your head unit runs on the latest Android 14 OS, providing a stable and responsive user experience. You can download and install various applications from the Google Play Store, including navigation, music streaming, and communication apps.



Figure 5.2: Android 14 OS interface and supported applications.

5.3. Display and Visuals

The 9-inch Premium HD IPS QLED touch screen offers a resolution of 1280x720 pixels, providing exceptionally clear and detailed visuals. IPS technology ensures consistent image quality and color accuracy even at wide viewing angles.



Figure 5.3: High-definition QLED IPS screen features.

5.4. Smartphone Connectivity

The unit supports Wireless CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, music, calls, and more. Simply say "Hey Siri" or "Hey Google" to access voice commands.



Figure 5.4: Overview of smartphone connectivity features.

5.5. Network and Data

With built-in Global 4G LTE support, you can insert a Micro-SIM card (not included) to access mobile broadband connection anywhere. The unit also features Dual Band WiFi (2.4GHz and 5GHz) for flexible connectivity and supports USB tethering to share your mobile network.



Figure 5.5: Network connectivity options.

5.6. Navigation

The unit supports highly accurate GPS navigation, utilizing multiple satellite systems (GPS, BDS, GLONASS, GALILEO) for precise location and route guidance. Note that no pre-installed maps are included, and navigation apps must be downloaded.



Figure 5.6: GPS navigation capabilities.

5.7. Audio Features

Equipped with a built-in AKM DSP (Digital Sound Processor), the unit transforms your audio experience with enhanced sound quality and customizable equalization settings. Bluetooth 5.0 ensures stable audio transmission for hands-free calls and music streaming.



Figure 5.7: AKM DSP and audio settings.

5.8. Vehicle Integration Features

The unit supports original vehicle functions, including steering wheel controls, air-conditioning information display, reversing trajectory, front and rear radar, door status, and compass information.



Figure 5.8: Supported original vehicle functions.

For off-road enthusiasts, the built-in high-precision gyroscope sensors provide an OFF-ROAD Inclinometer Function, accurately displaying the vehicle's current ride height, roll, and pitch angles.



Figure 5.9: OFF-ROAD Inclinometer Function.

5.9. Optional Accessories

Enhance your experience with optional accessories (sold separately) such as Tyre Pressure Monitoring Systems (TPMS), OBD2 diagnostic tools, and AHD cameras for improved visibility and safety.



Figure 5.10: Extend features with optional accessories.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your XTRONS car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics to clean the QLED touch screen. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Wipe the unit's exterior with a soft, damp cloth. Avoid excessive moisture.
- **Heat Dissipation:** Ensure the heat sink at the back of the unit is not obstructed to allow for proper heat dissipation.
- **Software Updates:** Periodically check the XTRONS official website for any available software or firmware updates to ensure the best performance and compatibility.



Figure 6.1: All-aluminum heat sink for efficient cooling.

7. TROUBLESHOOTING

If you encounter issues with your XTRONS car stereo, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cables and connections. Inspect vehicle fuses. Verify vehicle battery charge.
No sound.	Volume too low, speaker wires disconnected, incorrect audio settings.	Increase volume. Check speaker wire connections. Verify audio output settings in the unit's menu.
Touch screen unresponsive or inaccurate.	Software glitch, screen calibration needed, physical damage.	Restart the unit. Perform screen calibration (refer to Android settings). If persistent, contact support.
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly placed, environmental interference.	Ensure GPS antenna has a clear view of the sky. Relocate antenna if necessary.
CarPlay/Android Auto not connecting.	Bluetooth/WiFi issues, phone compatibility, app errors.	Ensure Bluetooth/WiFi is enabled on both devices. Restart phone and unit. Check phone's compatibility with CarPlay/Android Auto.

If the problem persists after trying these steps, please contact XTRONS customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Item Weight	5.51 pounds
Package Dimensions	12.79 x 9.84 x 8 inches
Country of Origin	China
Display Size	9 Inches
Voice Command	Touchscreen
ASIN	B0CC257ZGY
Date First Available	July 17, 2023
Manufacturer	XTRONS
Vehicle Service Type	Car
Special Feature	Touchscreen
Connectivity Technology	Bluetooth, Cellular, Wi-Fi, USB

Feature	Detail
Map Type	No Pre-installed Map
Audio Output Mode	Stereo
Mounting Type	Panel Mount
Resolution	720 x 1280

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The XTRONS Android 14 Car Stereo comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions 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.

9.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact XTRONS customer support. You can typically find contact information on the XTRONS official website or through the retailer where you purchased the product.



Figure 9.1: Example of how to contact XTRONS support via the product listing page.