



Manuals.plus /

› GTRUI /

› GTRUI 9-Inch QLED Android Car Stereo Instruction Manual for Dodge RAM 1500 2500 3500 (2013-2018)

GTRUI B0D2HGDDR7

GTRUI 9-Inch QLED Android Car Stereo Instruction Manual

Model: B0D2HGDDR7 for Dodge RAM 1500/2500/3500 (2013-2018)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GTRUI 9-Inch QLED Android Car Stereo. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. This unit is designed for specific Dodge RAM models with manual climate control.



Figure 1.1: GTRUI 9-Inch QLED Android Car Stereo. This image shows the GTRUI 9-inch QLED Android Car Stereo unit, integrated into a vehicle dashboard, featuring its large touch screen and custom-fit bezel. The screen displays a modern user interface with various app icons and widgets.

2. PRODUCT OVERVIEW

The GTRUI Android Car Stereo is an advanced in-dash navigation and entertainment system featuring a 9-inch QLED touch screen. It integrates modern smartphone connectivity and powerful audio processing to enhance your driving experience.

Key Features:

- **Android 13 Operating System:** Provides a modern and intuitive user interface.
- **9-Inch QLED Touch Screen:** 1280x720 resolution with Glass+Glass full lamination technology for superior visual clarity and a 178° full-viewing angle.
- **High Performance:** 8-core Cortex A55 processor, 4GB RAM, and 64GB ROM for smooth operation and ample storage.
- **Wireless CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, calls,

messages, and music via voice commands (Siri/Google Assistant).

- **Built-in GPS Navigation:** Supports popular navigation apps like Sygic, iGo, Waze, and Google Maps.
- **Bluetooth 5.0:** For hands-free calling, Bluetooth music streaming, and contact synchronization.
- **5G WiFi Connectivity:** Dual-band 2.4GHz & 5GHz WiFi for fast and stable internet access.
- **AKM DSP Stereo:** Built-in amplifier (4x50W max output) with a 48-band graphic equalizer and 8 EQ modes for customizable audio.
- **AM/FM Radio:** Includes RDS radio receiver with AF (Automatic Frequency Adjustment) and TA (Traffic Announcement).
- **Retains Original Functions:** Supports steering wheel controls, factory backup camera, and USB port.

3. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation:

- 9-Inch Android Car Stereo Head Unit
- Wiring Harness Cable with CANbus Decoder
- Radio Antenna Adaptor
- GPS Antenna
- Backup Camera (AHD 1080P)
- External Microphone
- USB Cables
- Audio Cables (RCA)
- User Manual (this document)
- Installation Tool
- Chime Speaker



Figure 3.1: Included Components. This image displays the 9-inch Android car stereo unit, power cable with CANbus, chime speaker, USB adapter, radio antenna adapter, RCA cable, reversing control cable, GPS antenna, USB cable, microphone, AHD 1080P camera, user manual, and an installation tool.

4. COMPATIBILITY

This GTRUI Android Car Stereo is specifically designed for the following vehicle models and years:

- **Dodge RAM 1500:** 2013, 2014, 2015, 2016, 2017, 2018
- **Dodge RAM 2500:** 2013, 2014, 2015, 2016, 2017, 2018
- **Dodge RAM 3500:** 2013, 2014, 2015, 2016, 2017, 2018

Important Note: This unit is compatible only with vehicles equipped with **Manual AC (Manual Climate Control)**. It is not compatible with automatic climate control systems.

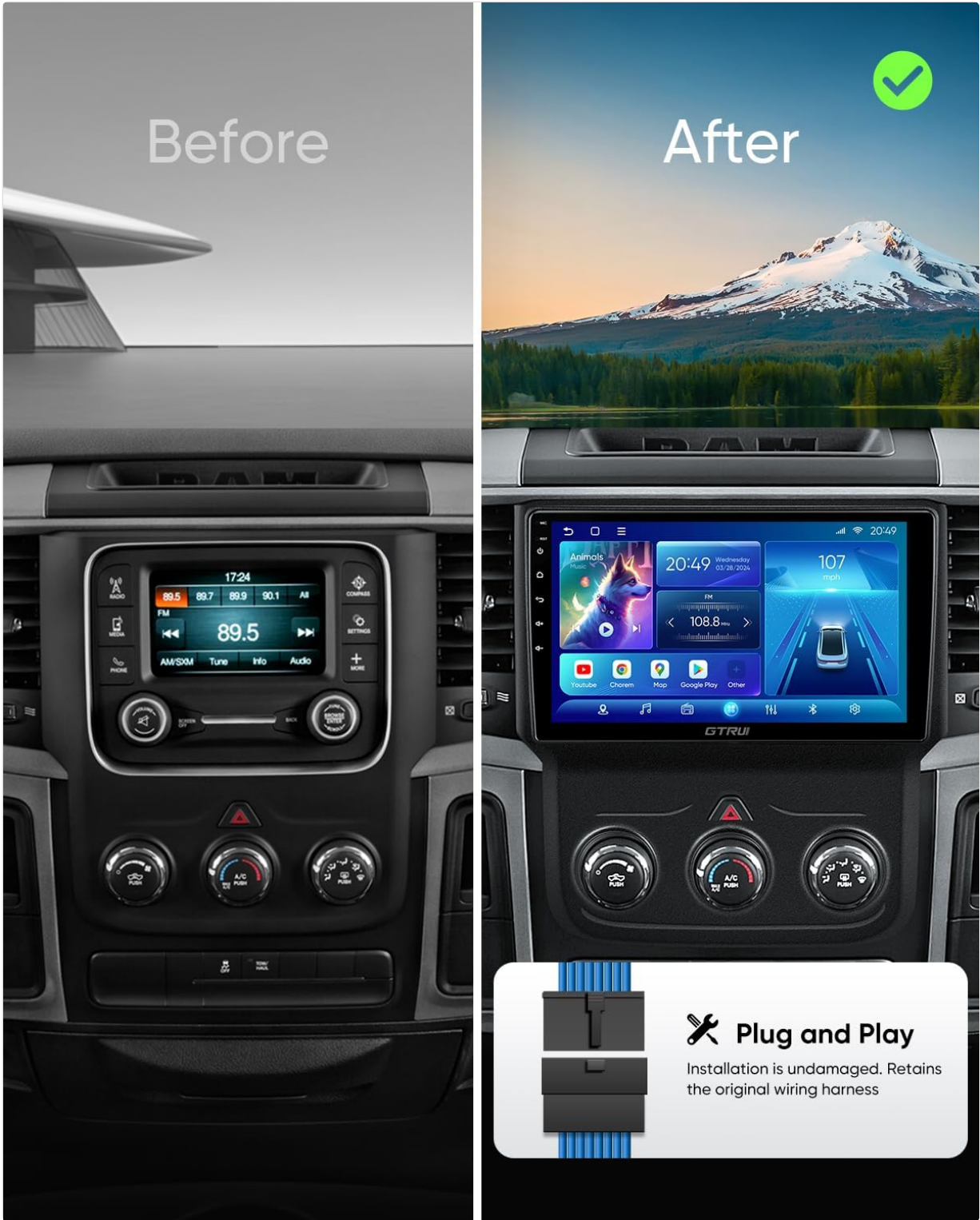


Figure 4.1: Before and After Installation. This image shows a side-by-side comparison of a Dodge RAM dashboard with the original radio (left) and the GTRUI 9-inch QLED Android car stereo installed (right), highlighting the seamless integration

and improved display.

5. SETUP AND INSTALLATION

Installation of the GTRUI Android Car Stereo is designed to be straightforward, often referred to as "Plug and Play," as it utilizes existing wiring harnesses and retains most original vehicle functions. However, professional installation is recommended to ensure correct wiring and optimal performance.

General Installation Steps (Consult a professional if unsure):

1. **Preparation:** Disconnect the vehicle's battery before starting any electrical work.
2. **Remove Original Unit:** Carefully remove the factory radio and dashboard bezel.
3. **Connect Wiring Harness:** Connect the provided wiring harness and CANbus decoder to the vehicle's existing connectors. Ensure all connections are secure.
4. **Antenna Connections:** Connect the radio antenna adaptor and GPS antenna. Position the GPS antenna in a location with a clear view of the sky.
5. **External Components:** Connect the backup camera, external microphone, and USB cables as needed.
6. **Mount New Unit:** Secure the GTRUI head unit into the dashboard opening.
7. **Test Functionality:** Reconnect the battery and test all functions (power, audio, touch screen, steering wheel controls, camera, GPS, Bluetooth, CarPlay/Android Auto) before fully reassembling the dashboard.
8. **Reassemble:** Once all functions are verified, reassemble the dashboard bezel and trim.

Note: The unit is designed to retain original functions such as steering wheel control buttons, factory existing backup camera, and USB ports. No modification to the vehicle's wiring harness is typically required.

6. OPERATING INSTRUCTIONS

6.1. QLED Touch Screen and Android OS

The 9-inch QLED touch screen offers a responsive and clear interface. Navigate through applications and settings by tapping, swiping, and pinching gestures, similar to a smartphone. The Android 13 operating system provides access to a wide range of applications from the Google Play Store.

9 Inch QLED Screen 1280*720 Resolution



Glass to Glass
New Technology



QLED Touch Screen
Best and Brightest



High Saturation
16,000,000 Color



Normal

Glass to Glass
Full lamination technology, there is no dust or air inside.

Brighter

Figure 6.1: QLED Screen Technology. This image illustrates the GTRUI 9-inch QLED screen with 1280x720 resolution, emphasizing its Glass+Glass full lamination technology for a brighter, dust-free display and a wide viewing angle.

6.2. Wireless CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly or via USB to access CarPlay or Android Auto. This allows you to use your phone's navigation, make calls, send messages, and play music safely through the car stereo's interface. Activate voice commands by saying "Hey Siri" or "OK Google."

Wireless CarPlay & Android Auto



Figure 6.2: Wireless CarPlay & Android Auto. This image shows the GTRUI car stereo displaying both Apple CarPlay and Android Auto interfaces, demonstrating seamless smartphone integration for navigation, music, and communication.



Figure 6.3: CarPlay and Android Auto Voice Control. This image highlights the voice command capabilities of CarPlay and Android Auto, showing "Hey Siri" and "Hey Google" prompts for hands-free operation.

Note: Some smartphones may not support wireless Android Auto. If you experience issues, try a wired connection.

6.3. GPS Navigation

The built-in GPS module supports various navigation applications. Ensure the GPS antenna is properly installed for accurate positioning. Download and use your preferred navigation app for real-time traffic updates and route guidance.

6.4. Bluetooth 5.0

Pair your smartphone via Bluetooth for hands-free calling and audio streaming. Access your phone's contacts directly from the stereo. To pair, go to the Bluetooth settings on the stereo and search for your device.



Figure 6.4: Bluetooth 5.0 Features. This diagram highlights the key functionalities of Bluetooth 5.0, including the Realtek 8761 chipset, contact synchronization, hands-free calling, and Bluetooth music streaming.

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Video 6.1: Bluetooth Connection and Music Playback. This video demonstrates how to connect a smartphone via Bluetooth to the GTRUI car stereo and play music, showcasing the interface for Bluetooth audio and hands-free calling.

6.5. AM/FM Radio

Access the built-in radio tuner to listen to AM and FM stations. The RDS (Radio Data System) feature provides additional information like station name and traffic announcements (TA). Use the AF (Automatic Frequency Adjustment) for optimal signal reception.

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Video 6.2: Radio Functionality. This video demonstrates the radio function of the GTRUI car stereo, showing how to tune into FM stations and utilize features like RDS.

6.6. DSP Audio Settings

Customize your audio experience with the integrated AKM DSP. Access the 48-band graphic equalizer and select from 8 preset EQ modes (e.g., Pop, Classical, Rock, Soft, Voice) or create custom settings. Adjust sound zones to optimize audio for specific seating positions and fine-tune bass filters for enhanced low-frequency response.



Figure 6.5: DSP Audio Customization. This image illustrates the advanced audio settings available through the AKM DSP, including a 48-band equalizer, sound zone adjustments, and bass filter controls for a personalized listening experience.

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Video 6.3: DSP Settings Demonstration. This video showcases the DSP settings, including equalizer adjustments, sound zone configuration, and bass filter options, allowing users to customize their audio output.

6.7. Steering Wheel Controls

The CANbus decoder ensures that your vehicle's original steering wheel control buttons remain functional with the GTRUI stereo. This allows for convenient control of volume, track changes, and other functions without taking your hands off the wheel.



Figure 6.6: Steering Wheel Controls. This image displays a steering wheel with various control buttons and their corresponding functions on the GTRUI car stereo, indicating that factory features are retained and plug-and-play functionality.

6.8. Backup Camera Integration

The system supports both factory OEM rear view cameras and the included AHD 1080P aftermarket camera. When the vehicle is shifted into reverse, the camera feed will automatically display on the screen, providing a clear view for parking and maneuvering.



Figure 6.7: Backup Camera View. This image shows the GTRUI car stereo displaying a clear rear view from a backup camera, complete with parking guidelines, and an illustration of the camera unit itself.

6.9. Split Screen Function

The split screen feature allows you to run two applications simultaneously on the display. For example, you can have navigation open on one side and music playback on the other, enhancing multitasking capabilities.

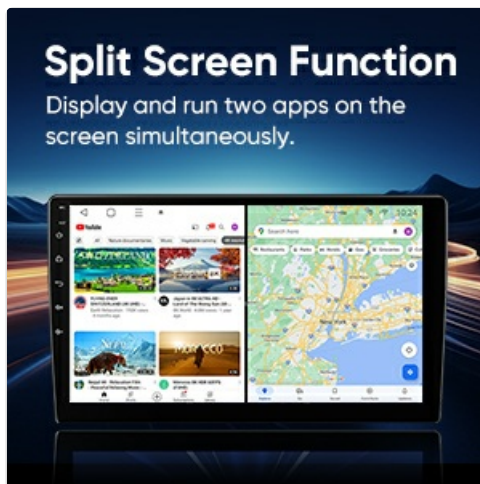


Figure 6.8: Split Screen Function. This image illustrates the split screen capability of the GTRUI car stereo, showing two applications (e.g., YouTube and a map) running concurrently on the display.

6.10. Quick Boot Time

The system is designed for a fast boot-up. After initial setup, the head unit can often resume operation in approximately 1 second from a standby state, allowing for quick access to functions.

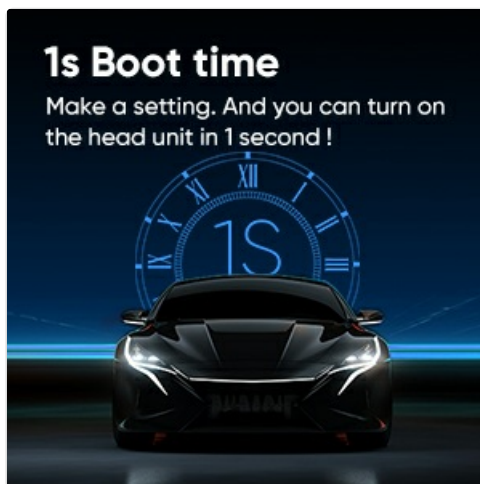


Figure 6.9: 1-Second Boot Time. This graphic visually represents the quick 1-second boot time of the GTRUI car stereo, indicating rapid readiness after a setting is made.

7. MAINTENANCE

To ensure the longevity and optimal performance of your GTRUI Android Car Stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the QLED touch screen. Avoid abrasive cleaners or harsh chemicals that could damage the display.
- **Software Updates:** Periodically check for and install software updates provided by GTRUI to ensure the system has the latest features and bug fixes.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can lead to intermittent issues.

- **Ventilation:** Ensure the unit's ventilation areas are not obstructed to prevent overheating.

8. TROUBLESHOOTING

If you encounter issues with your GTRUI Android Car Stereo, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power / Unit Not Turning On	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
Weak AM/FM Radio Signal	Antenna not properly connected, damaged antenna, poor reception area.	Verify antenna connection. Consider a stronger antenna or signal booster if in a weak reception area.
Bluetooth Connectivity Issues	Incorrect pairing, device not discoverable, interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Move closer to the unit.
CarPlay/Android Auto Not Connecting Wirelessly	Smartphone incompatibility, software glitch, WiFi interference.	Check if your smartphone model supports wireless CarPlay/Android Auto. Try a wired connection. Restart both phone and stereo.
Touch Screen Unresponsive	Software freeze, temporary glitch.	Perform a soft reset (refer to the device settings for reset options). If persistent, contact support.
Unit Not Shutting Off with Ignition	CANbus wiring issue, incorrect vehicle configuration.	Verify CANbus decoder connections and settings. Consult a professional installer.

If the problem persists after attempting these solutions, please contact GTRUI customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Operating System	Android 13
Processor	8-core Cortex A55
RAM	4GB
ROM	64GB
Display Size	9 Inches
Resolution	1280 x 720 (QLED)
Connectivity	Bluetooth 5.0, 5G WiFi (2.4Ghz & 5Ghz), USB, Wireless CarPlay, Wireless Android Auto
Audio Output	4x50W (Max), AKM DSP, 48-band EQ
Navigation	Built-in GPS, supports Sygic, iGo, Waze, Google Maps
Radio	AM/FM with RDS, AF, TA
Item Weight	3.96 pounds
Package Dimensions	11.81 x 11.5 x 5.39 inches

Excellent Performance

This head unit features 8-core processor Cortex A55 processing technology 28nm, enabling snappy and responsive multi tasks. 4GB Ram & 64GB Rom offers you a faster and smoother experience.

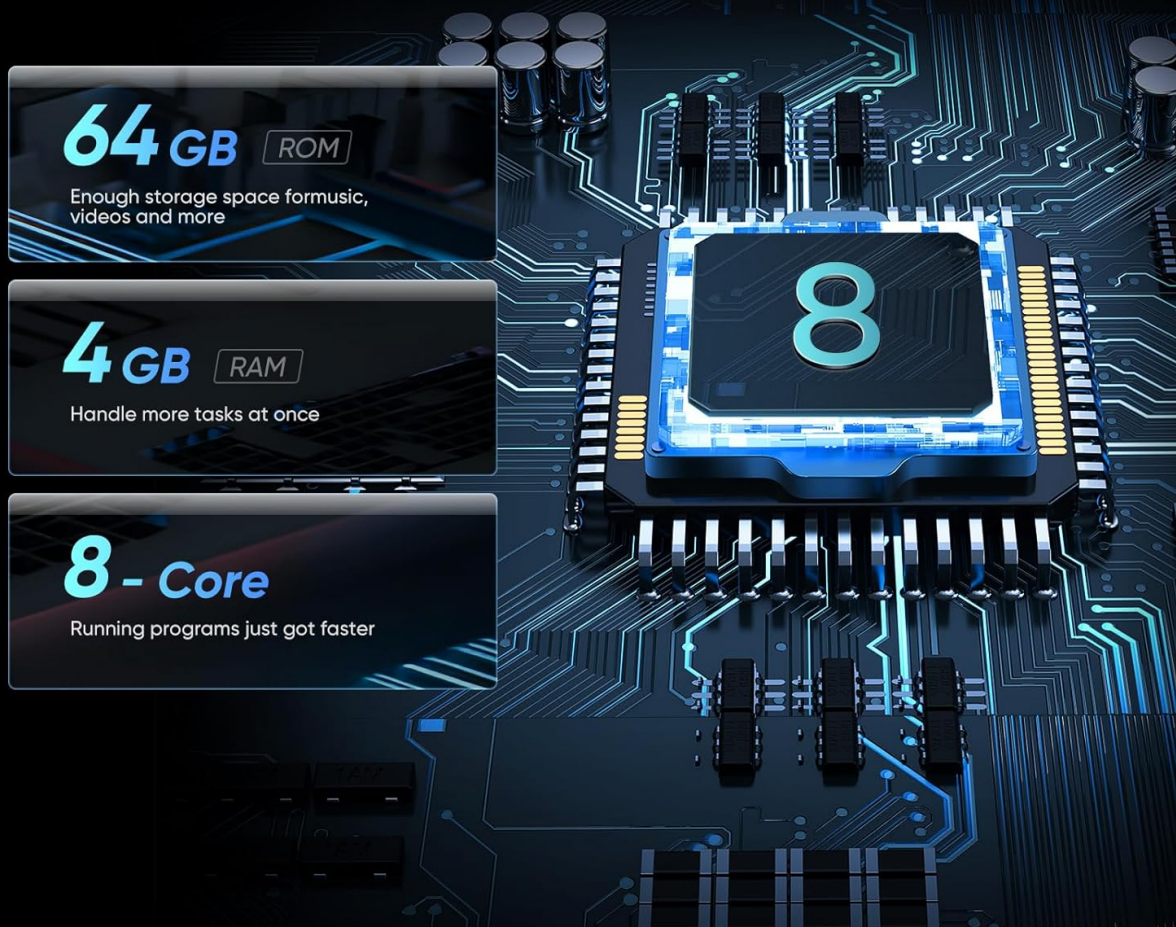


Figure 9.1: Excellent Performance. This image illustrates the internal components of the GTRUI car stereo, highlighting its 8-core Cortex A55 processor, 4GB RAM, and 64GB ROM for fast and smooth operation.



Figure 9.2: GTRUI YS Series Features. This infographic provides a comprehensive overview of the GTRUI YS Series, detailing its Octa-core Cortex A55 CPU, 4GB RAM, 64GB ROM, 1280*720 HD QLED screen, Wireless CarPlay & Android Auto, 5G WiFi, AHD camera support, screen mirroring, and smartphone-like light-touch operation.

10. WARRANTY AND SUPPORT

GTRUI provides a **1-year warranty** for this product. This warranty covers manufacturing defects and ensures technical support for any issues you may encounter.

For technical assistance or warranty claims, please contact GTRUI customer support via Amazon email. Our team is committed to providing prompt and professional support.