ATOTO S8G2099UN

ATOTO S8 Ultra New 9" QLED Double Din Android Car Stereo (Model S8G2099UN) User Manual

Your comprehensive guide to installation, operation, and features.

1. Introduction

The ATOTO S8 Ultra New (Gen2) Model S8G2099UN is an advanced 9-inch QLED Double Din Android Car Stereo designed to enhance your in-car entertainment and navigation experience. Featuring a powerful 8-Core processor, 6GB RAM, and 128GB ROM, this unit offers seamless performance and extensive connectivity options. This manual provides detailed instructions to help you get the most out of your device.



Image 1.1: Front view of the ATOTO S8 Ultra New 9-inch QLED Double Din Android Car Stereo.

2. Key Features

The ATOTO S8 Ultra New S8G2099UN is equipped with a range of features for a superior user experience:

- **Advanced Hardware:** Upgraded S8 Gen3 with 6GB RAM + 128GB ROM, 12nm SoC, and ARM Cortex Octa-Core processor for fast and smooth operation.
- **Seamless Internet Connectivity:** Multiple options including Wi-Fi hotspots, Bluetooth tethering, USB tethering, and a built-in 4G LTE module.
- **Dual Bluetooth:** BT1 with QCM aptX & aptXHD for high-quality audio and calls, and BT2 for internet access or OBD2 scanning, supporting simultaneous device connections.
- **Superior Sound Adjustment:** Built-in 4x49W MAX (4x29W RMS) amplifiers, advanced DSP, 9 EQ modes, 32 customizable frequency bands, and Speed Compensated Volume Control (SCVC).
- **Pre-installed Custom Apps:** Includes ATOTO exclusive software like DriveChat (AI-powered by ChatGPT) for natural language voice interaction and TrackHU for GPS location tracking.

- **Wireless Smartphone Integration:** Supports Wireless CarPlay and Android Auto for seamless smartphone connectivity and navigation.
- **Enhanced Display and Camera Support:** 9-inch 1280x720 QLED screen with a 178° viewing angle, compatible with AC-FCR04W Front Camera and AC-RCR04W Rear Cameras (1080P with strong light suppression).



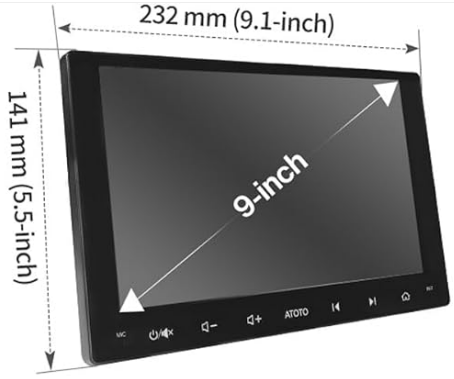
Image 2.1: Overview of hardware specifications and internet access methods.

3. Package Contents

Verify that all items listed below are included in your product package:

- ATOTO S8 Ultra New Head Unit
- Power Cable
- Rear Camera Input Cable
- RCA Connector Cables
- Audio Output Cables
- 4G LTE Antenna

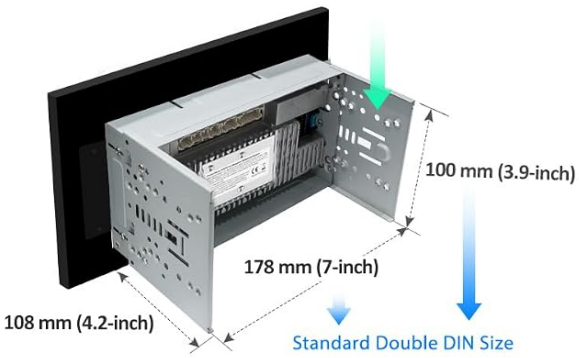
- USB External Storage Cable
- USB Phone Link Cable
- GPS Antenna
- Screen Protector (2 pack)
- External Microphone
- Double-DIN Brackets
- Mounting Brackets
- Front Recording Camera Cable (if applicable)
- Mounting Screws
- SIM Ejector Pin
- Adaptive Cage
- Online Resources Quick Guide
- Product Care Guide

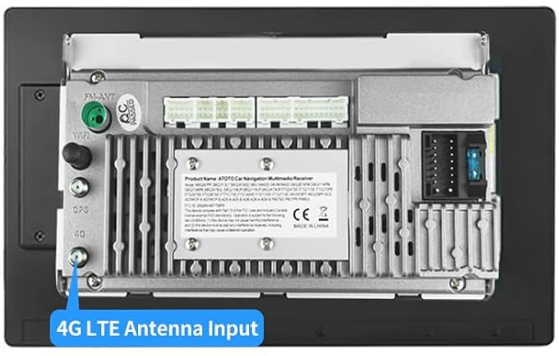


Compatible with almost all dash kits on the market, and the screen is TRUE 9-inch !

Double-DIN 100% Compatible

Much more room for cabling and accessories!





Package Information





Image 3.1: Illustration of Double-DIN compatibility and included accessories.

4. Installation Guide

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation. The ATOTO S8 Ultra New is designed for Double-DIN dash kits.

4.1 Wiring Diagram

Refer to the detailed wiring diagram for proper connection of power, speakers, antennas, and peripheral devices. Incorrect wiring can damage the unit or vehicle.

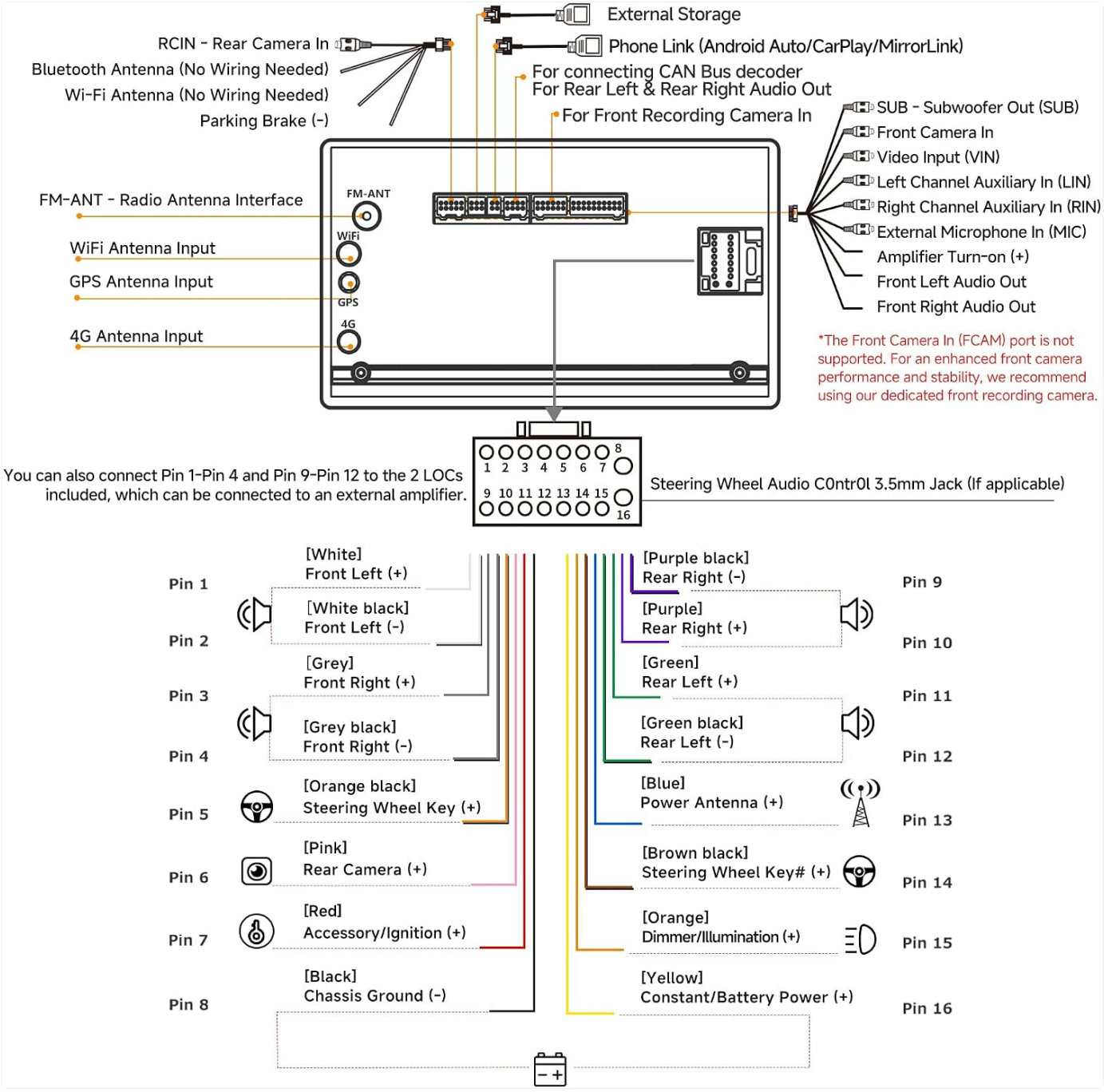


Image 4.1: Comprehensive wiring diagram for the ATOTO S8 Ultra New.

4.2 Double-DIN Compatibility

The head unit is compatible with standard Double-DIN openings. Ensure sufficient space for cabling and accessories behind the unit.

5. Operating Instructions

5.1 Initial System Boot and Setup

Upon first power-on, the system will perform a fast boot. Follow the on-screen prompts to select your preferred language and complete the initial setup. The ATOTO AICE UI 11.0, based on Android, offers deep customization.

5.2 Internet Connectivity

The S8 Ultra New offers four methods for internet access:

- **Wi-Fi Hotspot:** Connect to your phone's Wi-Fi hotspot (2.4GHz & 5GHz) for stable and fast internet.
- **Bluetooth Tethering:** Share your phone's data via Bluetooth. This method consumes less phone battery compared to Wi-Fi.
- **USB Tethering:** Share phone data with the S8 via a USB connection. This can help save or slightly increase your phone's battery level. Requires the CarbitLink app to run in the background.
- **Built-in 4G LTE Module:** Insert a Micro SIM card (with data plan, not included) into the dedicated slot for direct 4G LTE internet access. Ensure your carrier's frequency bands are supported.

5.3 Dual Bluetooth Functionality

The unit features two independent Bluetooth modules:

- **Bluetooth 1 (BT1):** Supports SBC and AAC codecs, HFP/HSP/A2DP/AVRCP/PBAP protocols. Ideal for hands-free calls with noise cancellation and CD-level audio streaming. Synchronizes contacts and recent records.
- **Bluetooth 2 (BT2):** Used for Bluetooth tethering internet, connecting to Bluetooth gamepads, OBD2 scanners (e.g., AC-4450), and TPMS devices.

The system allows connecting up to 3 devices simultaneously (one for audio, two for data communication). Bluetooth can also wake up your phone's voice assistant (Siri, Google Assistant).

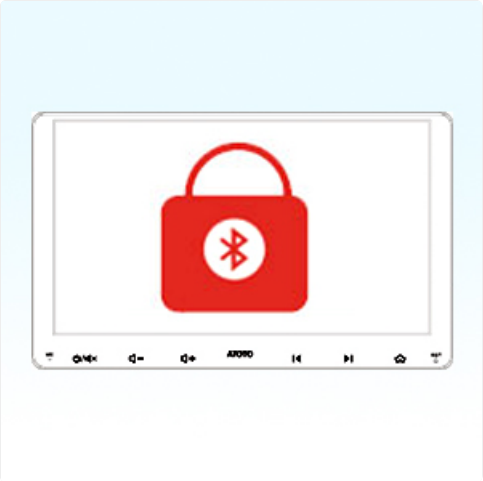


Image 5.1: Bluetooth connection indicator.

5.4 Smartphone Integration (CarPlay & Android Auto)

Seamlessly integrate your iOS or Android smartphone:

- **Wireless CarPlay & Android Auto:** Connect wirelessly for navigation, calls, messages, and music.
- **Wired Connection:** Use the factory/original USB cable for wired CarPlay and Android Auto.
- **Phone Mirroring (CarbitLink):** Use the pre-installed CarbitLink app via USB or Wi-Fi to cast your phone's screen to the S8.



Image 5.2: Wireless CarPlay, Android Auto, and Phone Mirroring in action.

5.5 Audio System Features

Experience high-fidelity audio with advanced sound processing:

- **Digital Signal Processor (DSP):** Allows precise equalization, signal delay, bass boost, and bass filter.
- **Equalizer:** Features 9 preset EQ modes and 32 adjustable frequency bands (16 for front, 16 for rear).
- **Amplifier:** Built-in Peak 4*49W BTL Amplifier with RMS 4*29W.
- **Speed Compensated Volume Control (SCVC):** Automatically adjusts volume based on driving speed to compensate for road noise.
- **Audio Outputs:** 4-CH RCA Audio Out (2V) for external amplifiers and a separate Sub-woof Out (0.8V).



Image 5.3: Audio settings interface showing EQ and DSP controls.



Image 5.4: Time correction settings for optimized sound staging.

5.6 Display and User Interface

The 9-inch 1280x720 QLED screen provides a vivid display with a 178° viewing angle. The 5-Touch Capacitive Touchscreen ensures smooth and responsive controls.

- **Split Screen Display:** Run two applications simultaneously, such as navigation and a media player.
- **Digital Photo Frame:** Display memorable photos on the HD screen.
- **Touch Gestures:** Utilize intuitive touch gestures for quick access to settings.



Image 5.5: QLED screen quality comparison.



Image 5.6: Examples of touch gestures for control.

5.7 Camera Integration

The S8 supports various camera inputs for enhanced safety and recording:

- **Front Camera Input (FCAM):** Connect a specific 1080P On-dash DVR Camera (e.g., AC-44P2) for video preview and playback.
- **Rearview Camera Input:** Supports 720P HD video signals from compatible rearview cameras (e.g., AC-HD02LR).
- **Live RearView (LRV):** Access rearview even when moving forward, clearing blind spots caused by passengers or vehicle structure.



Image 5.7: Front and rear camera recording views.



Image 5.8: Visual representation of front and rear camera feeds.

6. Pre-installed Applications

The S8 Ultra New comes with several exclusive ATOTO applications and access to the Google Play Store.

- **DriveChat:** An AI Voice Assistant powered by ChatGPT for natural language voice interaction. Updates are released periodically.
- **TrackHU:** ATOTO's featured GPS Tracking App for real-time vehicle location, geofences, alerts, and past data analysis.
- **Google Play Store:** Access to over 1000 compatible Android apps, especially media/entertainment and navigation apps. Note: A few apps, such as Netflix, may not be compatible.



Image 6.1: DriveChat AI voice assistant interface.

Image 6.2: ATOTO S8 display showing various app icons in a car interior.

Image 6.3: Google Play Store interface on the ATOTO S8.

7. Optional Accessories

Enhance your ATOTO S8 Ultra New experience with these optional accessories (not included):

- CA-AEC01 Compact 4 Channel Car Amplifier (47 watts RMS x 4)
- CA-AEC02 Plug-n-Play 4 Channel Car Amplifier (60 watts RMS x 4)
- AC-44P2 1080P On-dash DVR Camera
- AC-44F8 Steering Wheel Remote
- AC-4450 Bluetooth OBD II Scanner / Code Reader
- AC-HD02LR HD Rear-view Camera
- AC-UTP1 USB TPMS (Tire Pressure Monitoring Sensor)
- Video Output Adaptors (AC-AHV68: USB to HDMI adaptor; AC-AHV48: USB To RCA adaptor)
- AC-HAV50 HDMI to AHD Video Converter (Supports HDMI 1.4, compatible with game consoles, TV Boxes)

8. Specifications

Feature	Specification
Model	S8G2099UN
Operating System	Android (ATOTO AICE UI 11.0)
Processor	UIS 7862 ARM Cortex Octa-Core (up to 1.8GHz) with ARM Mali-G52 MP2 GPU
RAM	6GB
Internal Storage	128GB
Display Size	9 Inches
Display Type	Full HD 1280*720 QLED 5-Touch Capacitive Touchscreen
Brightness	600cd/m2
Viewing Angle	178°
Amplifier	Built-in Peak 4*49W BTL, RMS 4*29W
DSP	Built-in Digital Signal Processor, 32-band EQ
Bluetooth	Dual Bluetooth (BT1 with aptX HD, BT2 for tethering/peripherals)
Wi-Fi	2.4GHz & 5GHz
4G LTE Modem	Built-in (Micro SIM slot)
GPS	Built-in GPS Receiver module with external GPS antenna
USB Interfaces	2 (for data communication, USB devices, phone connection)
Audio Output Mode	Stereo
Item Weight	4.38 pounds
Package Dimensions	11.61 x 11.5 x 4.49 inches

Feature	Specification
Date First Available	September 5, 2024

9. Maintenance

To ensure the longevity and optimal performance of your ATOTO S8 Ultra New, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Regularly check for system and application updates via the FindApps store or OTA (Over-The-Air) updates. Keeping your software current ensures access to the latest features and security enhancements.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

10. Troubleshooting

If you encounter issues with your ATOTO S8 Ultra New, refer to the following common troubleshooting steps:

- **Unit Not Powering On:** Check all power connections. Ensure the vehicle's ignition is on and the unit is receiving power. Verify fuses are intact.
- **No Sound:** Check speaker connections. Ensure volume is not muted or set too low. Verify audio output settings in the system.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the S8 and your device. Try unpairing and re-pairing the devices. Clear Bluetooth cache if necessary.
- **Wi-Fi/4G LTE Not Connecting:** Verify Wi-Fi hotspot is active on your phone or that the 4G SIM card is correctly inserted and has an active data plan. Check network settings on the S8.
- **CarPlay/Android Auto Not Launching:** Ensure your phone is compatible and connected via the correct USB port or wirelessly. Try restarting both the phone and the S8 unit. Use original USB cables for wired connections.
- **Touchscreen Unresponsive:** Perform a system restart. If the issue persists, contact customer support.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.

For more complex issues, consult the online manual or contact ATOTO customer support.

11. Warranty and Support

Your ATOTO S8 Ultra New comes with a standard 12-month warranty from the date of purchase. An additional 6 months of warranty can be obtained by registering your product. Details for registration are typically found in the product care guide included in your package.

For technical assistance, warranty claims, or general inquiries, please refer to the contact information provided in your product documentation or visit the official ATOTO support website. Our customer care team is available to assist you.



Image 11.1: Product care and update information.

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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.

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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.

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