ATOTO S8G2A78UL

ATOTO S8 Ultra 7-Inch Android Car Stereo System User Manual

Model: S8G2A78UL | Brand: ATOTO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ATOTO S8 Ultra 7-Inch Android Car Stereo System. Please read this manual thoroughly before using the device to ensure proper functionality and safety. Keep this manual for future reference.
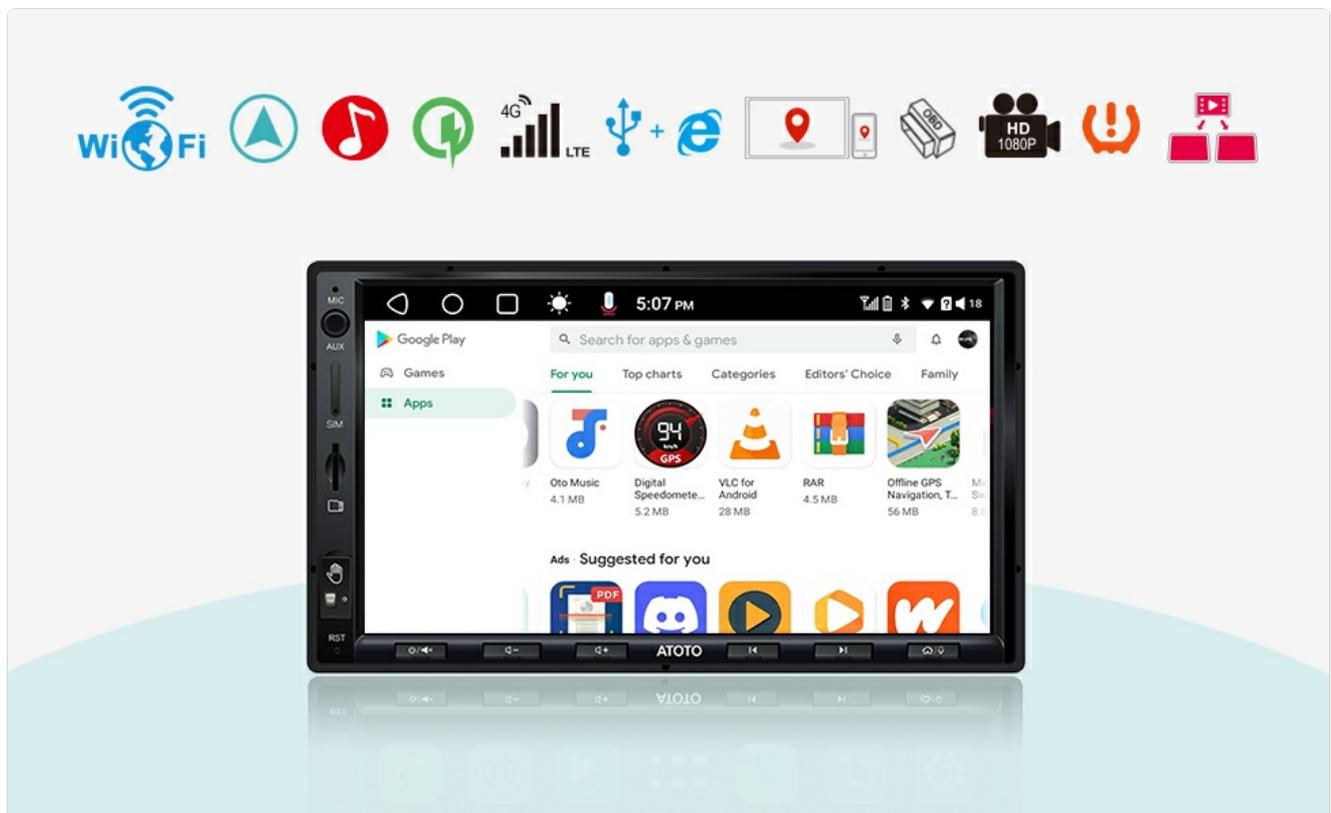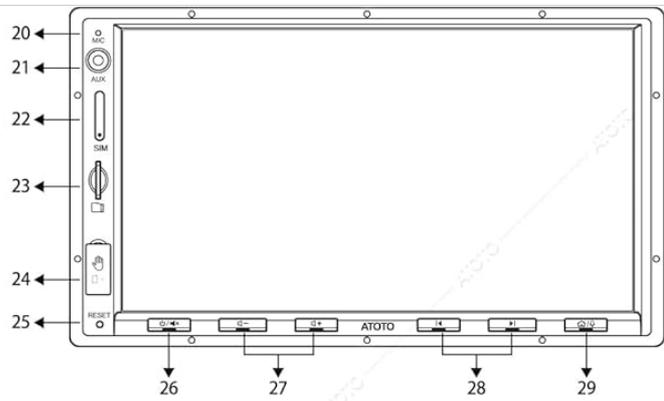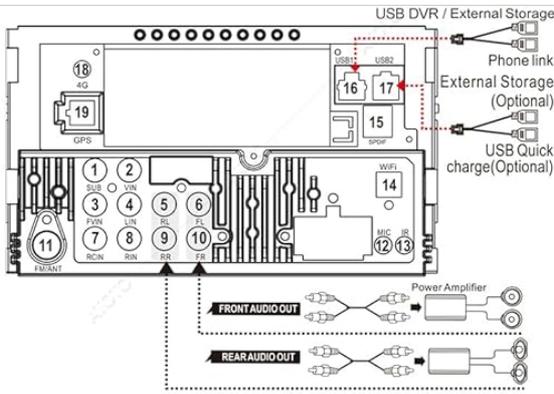

Image 1.1: Overview of the ATOTO S8 Ultra's connectivity features.

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Car Stereo
- GPS Antenna
- External Microphone
- WiFi Antenna
- Power Cable
- 4G LTE Antenna
- USB Extension Cable (USB1)
- USB Extension Cable (USB2)

1. SUB-Subwoofer Output
2. VIN-Video Input
3. FVIN-Front Camera Input
4. LIN-Left Channel Audio Input
5. RL -RearLeft Audio Out
6. FL-Front Left Audio Out
7. RCIN-Rear Camera Input
8. RIN-Right Channel Auxiliary Audio Input
9. RR-Rear Right Audio Output
10. FR-Front Right Audio Outpu

11. FM/ANT- Radio Antenna Input
12. External Microphone Input.
13. ATOTO Wireless Steering Wheel Key Control Port(Not included)
14. WiFi-Wi-Fi Antenna Input
15. SPDIF-Optical SPDIF Output(Optional)
16. USB1-USB Expansion Port
17. USB2-USB Expansion Port
18. 4G-4G LTE Antenna Input

19. GPS-Antenna
20. Built-in Microphone
21. 3.5mm AUX Audio Input
22. SIM Card Slot
23. Micro SD Card Slot
24. Gesture Sensor
25. Reset hole
26. Mute/off Screen
27. Volume Adjust
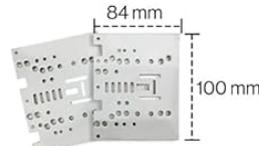28. Skip Tracks
29. Home/Voice Assistant

1 x Power Cable 1 × USB Extension Cable (USB1)(USB2) 1 × WiFi Antenna 1 × 4G LTE Antenna 1 × GPS Antenna 1 x External Microphone
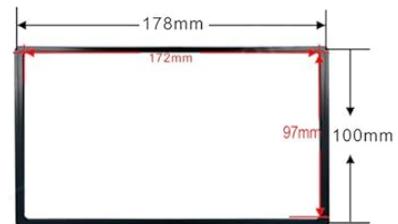
Movable Mounting Brackets   Mounting Screws   Double-DIN Brackets   Screen Protector(2pack)

Dimension

Installation Frame

Image 2.1: Included accessories and port layout of the ATOTO S8 Ultra.

3. KEY FEATURES

- **Advanced Second-Generation Stereo:** Equipped with a 12nm ARM Cortex Octa-Core processor and ATOTO AICE UI 11.0 (Android Q) for efficient and high-performance operation.

- **Multiple Internet Access Options:** Supports WiFi, Bluetooth, USB Tethering, and a built-in 4G Cellular Modem (SIM card not included).

- **Dual Bluetooth with aptX HD:** Allows simultaneous connections to phones and other devices. BT1 supports

Qualcomm aptX HD codec for 24-bit music streaming (phone must support aptX HD).

- **Wireless Android Auto & CarPlay:** Integrated support for both wired and wireless Android Auto and CarPlay for seamless smartphone integration.
- **HD Surround-View & Live Rear-View (VSV&LRV):** Enhances driving safety when paired with the ATOTO AC-HD03LR camera (sold separately).
- **Hands Gesture Control & Speed Compensated Volume Control (SCVC):** Embedded gesture sensor for track and volume control, and automatic volume adjustment based on vehicle speed.
- **Customizable Display & Mounting:** Features a large HD screen and UDH07D mounting style compatible with most double-DIN dash kits.
- **Continuous Firmware Updates:** ATOTO provides ongoing firmware updates for bug fixes and new features.
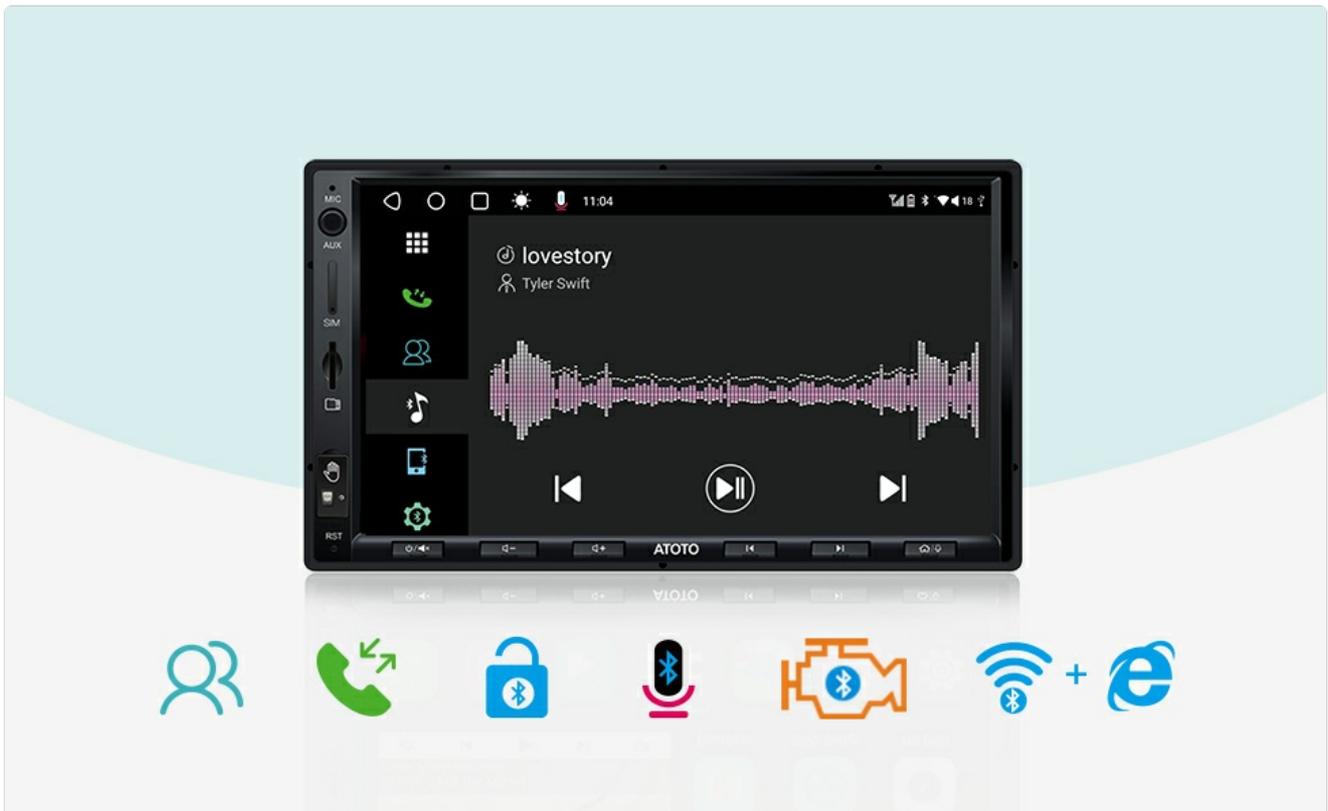

Image 3.1: Visual representation of the S8 Ultra's advanced audio, display, and safety features.

4. SETUP & INSTALLATION

The ATOTO S8 Ultra is designed for double-DIN dash kits. Professional installation is recommended for wiring and proper integration into your vehicle's electrical system.

4.1. Mounting

The S8G2A78UL adopts the UDH07D mounting style. Ensure your vehicle's dash kit is compatible. Most North American double-DIN mounting frames with a 172mm x 97mm opening are suitable. An extra frame adapter is included to extend the size to 178mm x 101.5mm if needed.

4.2. Wiring Connections

Refer to the wiring diagram provided in Image 2.1 for connecting the power cable, antennas, and other accessories. Ensure all connections are secure to prevent malfunctions.

4.3. Optional Accessories (Sold Separately)

The ATOTO S8 Ultra can be expanded with various accessories:

- ATOTO CA-AEC01/AEC02 Compact 4 Channel Car Amplifier
- ATOTO AC-44P2 1080P On-dash DVR Camera
- ATOTO AC-44F5 Steering wheel IR Remote
- ATOTO AC-4450 Bluetooth OBD II scanner / Code Reader
- ATOTO AC-HD02LR or AC-HD03LR HD Rear-view Camera
- ATOTO AC-UTP1 USB TPMS (Tire Pressure Monitoring Sensor)
- ATOTO Video Output Adaptor (AC-AHV68: USB to HDMI; AC-AHV48: USB To RCA)
- ATOTO AC-HAV50 HDMI to AHD Video Converter
- ATOTO CS-101SW 10" Slim Amplified Subwoofer
- ATOTO CS-651DST 6.5" 2-Way Component Speaker System

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5. OPERATING INSTRUCTIONS

5.1. Internet Access

The S8 Ultra offers four methods to connect to the internet:

1. **Wi-Fi:** Connect to available Wi-Fi networks or a personal hotspot from your smartphone.
2. **Bluetooth Tethering:** Share your phone's internet connection via Bluetooth.
3. **USB Tethering:** Share your phone's internet connection via a USB cable.
4. **Built-in 4G Cellular Modem:** Insert a Nano SIM card (not included) into the dedicated slot for direct 4G LTE connectivity. Ensure your SIM card's frequency bands are supported by the unit.

5.2. Dual Bluetooth with aptX HD

The unit features dual Bluetooth modules. BT1 supports the Qualcomm aptX HD codec, providing high-definition audio streaming for compatible devices. BT2 handles other Bluetooth connections simultaneously.

5.3. Wireless CarPlay & Android Auto

Connect your compatible iPhone or Android smartphone wirelessly or via USB to access CarPlay or Android Auto. This allows for integrated navigation, music, messaging, and voice assistant features directly on the S8 Ultra's display.

5.4. HD Surround-View & Live Rear-View (VSV&LRV)

When connected to an ATOTO AC-HD03LR camera (sold separately), the system can display a virtual surround-view (bird's-eye view) and a live rear-view, even when moving forward, enhancing situational awareness.

5.5. Hands Gesture Control

The embedded gesture sensor allows for control of tracks and volume using specific hand movements. Up to 24 system options can be assigned or programmed for gesture control.
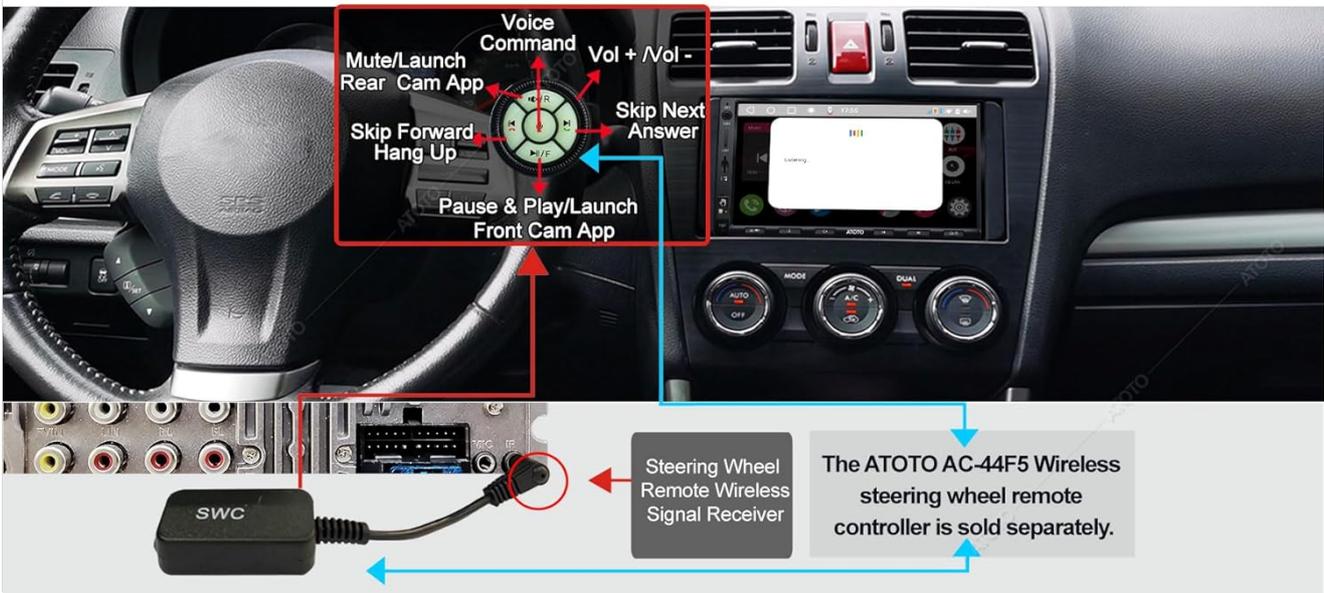
Image 5.1: Hands gesture control and steering wheel control options.

5.6. Speed Compensated Volume Control (SCVC)

SCVC automatically adjusts the system's volume in relation to your vehicle's speed, compensating for road and wind noise to maintain consistent audio levels.
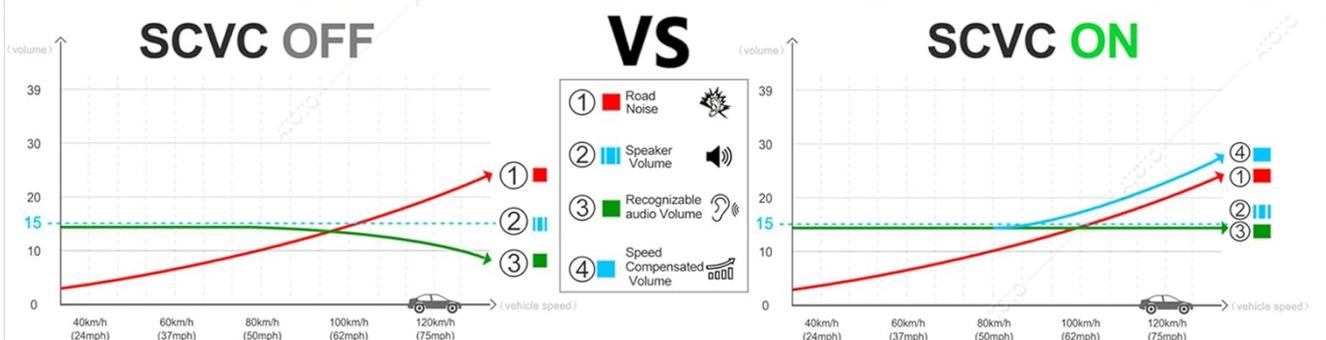
Image 5.2: Illustration of Speed Compensated Volume Control (SCVC) functionality.

5.7. TrackHU GPS Tracking App

The TrackHU app is designed for GPS tracking of your vehicle. It operates without the need for an external SIM card or battery, providing global tracking and detailed reports.

Video 5.3: TrackHU GPS Tracking App for ATOTO Android System. This video demonstrates how to use the TrackHU app for vehicle tracking, including hiding the app icon, auto-run features, and accessing tracking reports.

5.7.1. Accessing TrackHU

The TrackHU app icon is hidden by default to protect user privacy. To make it visible:

- **For A6 PF / A6 PP / S8 (Gen2) models:** Go to **Settings > Device**, then tap "Device" 4 times quickly. A prompt will confirm the app is now visible.

- **For AD6 models:** Go to **Settings > System > About Device > Software Version Info**, then tap "Serial Number" 4 times.

To hide the app icon again, repeat the same steps.

5.7.2. Enabling GPS and Network

Ensure your car stereo's GPS and network (Wi-Fi or 4G) are enabled for TrackHU to function correctly.

5.7.3. Activating Tracking

Open the TrackHU app on the car stereo and tap the status button to activate it. The status indicator will turn green when enabled.

5.7.4. Accessing Tracking Data

Use your phone to scan the QR code displayed in the TrackHU app on the stereo. This will direct you to the TrackHU Manager app or website, where you can view:

- **Track Playback:** Review past routes and driving history.
- **Detailed Driving Report:** Access comprehensive reports of your drives.
- **Geofence:** Set up virtual boundaries and receive notifications when your vehicle enters or exits these areas.

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6. MAINTENANCE

6.1. Firmware Updates

ATOTO regularly releases firmware updates to improve performance, add new features, and address any bugs. It is recommended to keep your S8 Ultra's firmware updated. Check the ATOTO official website or the device's system settings for available updates.

6.2. Cleaning

Use a soft, dry cloth to clean the screen and exterior of the unit. Avoid using harsh chemicals or abrasive materials that could damage the display or finish.

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7. TROUBLESHOOTING

If you encounter any issues with your ATOTO S8 Ultra, consider the following general troubleshooting steps:

- **No Power:** Check all power connections and ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections, volume levels, and audio output settings.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky. Check GPS settings in the device.
- **Bluetooth/Wi-Fi Connectivity Problems:** Restart the device and your connected smartphone. Ensure Bluetooth/Wi-Fi is enabled on both devices.
- **App Malfunctions:** Try clearing the app's cache or reinstalling the app.

For persistent issues, refer to the ATOTO support resources or contact customer service.

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8. SPECIFICATIONS

Feature	Specification
Model Number	S8G2A78UL
Package Dimensions	8.94 x 5.91 x 5.63 inches
Item Weight	3.26 pounds

Feature	Specification
Connectivity Technology	4G LTE, WIFI, Dual Bluetooth, USB
Controller Type	Google Assistant, Siri
Special Features	Compatible with SXM, GPS Tracking, Gesture Operation, HD Virtual Surround-View(VSV)&Live Rear-View (LRV) Display, Wireless CarPlay & Android Auto
Compatible Devices	Amplifier, Smartphone, Speaker
Connector Type	RCA, USB Type A
Audio Output Mode	Mono, Stereo
Video Encoding	H.263, H.264, DIVX4-6, XVID Decoder
Output Power	200 Watts
Number of Channels	4

9. WARRANTY & SUPPORT

ATOTO offers a standard 12-month product warranty, which can be extended by an additional 6 months (12+6 months product care). For detailed warranty terms and conditions, please refer to the official ATOTO website or your purchase documentation.

For technical support, troubleshooting assistance, or inquiries regarding your ATOTO S8 Ultra, please contact ATOTO customer support through their official channels. You can typically find support contact information on the ATOTO website or within your product's packaging.