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ATOTO S8G1A84SD

ATOTO S8 Standard Single-Din Car Stereo User Manual

Model: S8G1A84SD

1. Introduction

The ATOTO S8 Standard Single-Din Car Stereo, model S8G1A84SD, is an advanced Android head unit designed to enhance your in-car entertainment and navigation experience. It features a powerful ARM Cortex Octa-Core processor and operates on ATOTO AICE UI 11.0 based on Android Q, ensuring efficient performance and a customizable user interface. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

2. Key Features

- **Advanced Android Head Unit:** Powered by a 12nm Soc and ARM Cortex Octa-Core processor for high efficiency and low power consumption.
- **ATOTO AICE UI 11.0 on Android Q:** Offers deep customization and a user-friendly interface.
- **Multiple Internet Access Options:** Supports 4G LTE (with SIM card), Wi-Fi hotspot (2.4 GHz & 5 GHz), Bluetooth tethering, and USB tethering.
- **Speed Compensated Volume Control (SCVC):** Automatically adjusts system volume based on vehicle speed to compensate for road and wind noise (GPS-based algorithms, applicable at 50mph or above).
- **Intuitive Touch Gestures:** Six touch gestures for quick access to multi-task menu, preset EQ modes (9 options), and screen brightness adjustment.
- **Split-Screen Display:** Allows for simultaneous display of two applications.
- **Dual Bluetooth Feature:** BT1 for Handsfree & A2DP audio (voice assistant activation), BT2 for internet access or OBD2 device connection.
- **Phone Link Support:** Compatible with wired/wireless Android Auto and CarPlay.
- **Enhanced Camera Integration:** Integrates with ATOTO AC-HD02LR or AC-HD03LR cameras for HD rearview imaging and Live RearView (LRV) feature.
- **High-Quality Display:** 178° full-viewing angle IPS display for enhanced contrast and visibility, even in daylight.
- **Pre-installed TrackHU:** ATOTO's exclusive GPS tracking app with 15-second refresh rate, OsmAnd's 4-satellite positioning, track playback, and geofence alerts.
- **Universal Double-DIN Compatibility:** UDH07D mounting style ensures compatibility with most double-DIN

dash kits for a seamless appearance.

- **Continuous Firmware Updates:** ATOTO provides ongoing system firmware updates to reduce software glitches and introduce new features.

3. Setup and Installation

Proper installation is crucial for the optimal performance of your ATOTO S8 car stereo. The unit utilizes a Universal Double-DIN Headunit with a 7-inch Display (UDH07D) mounting style, making it compatible with most double-DIN dash kits. Ensure you have the correct dash kit for your vehicle for a seamless and integrated appearance.

3.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Incorrect wiring can damage the unit or your vehicle's electrical system.

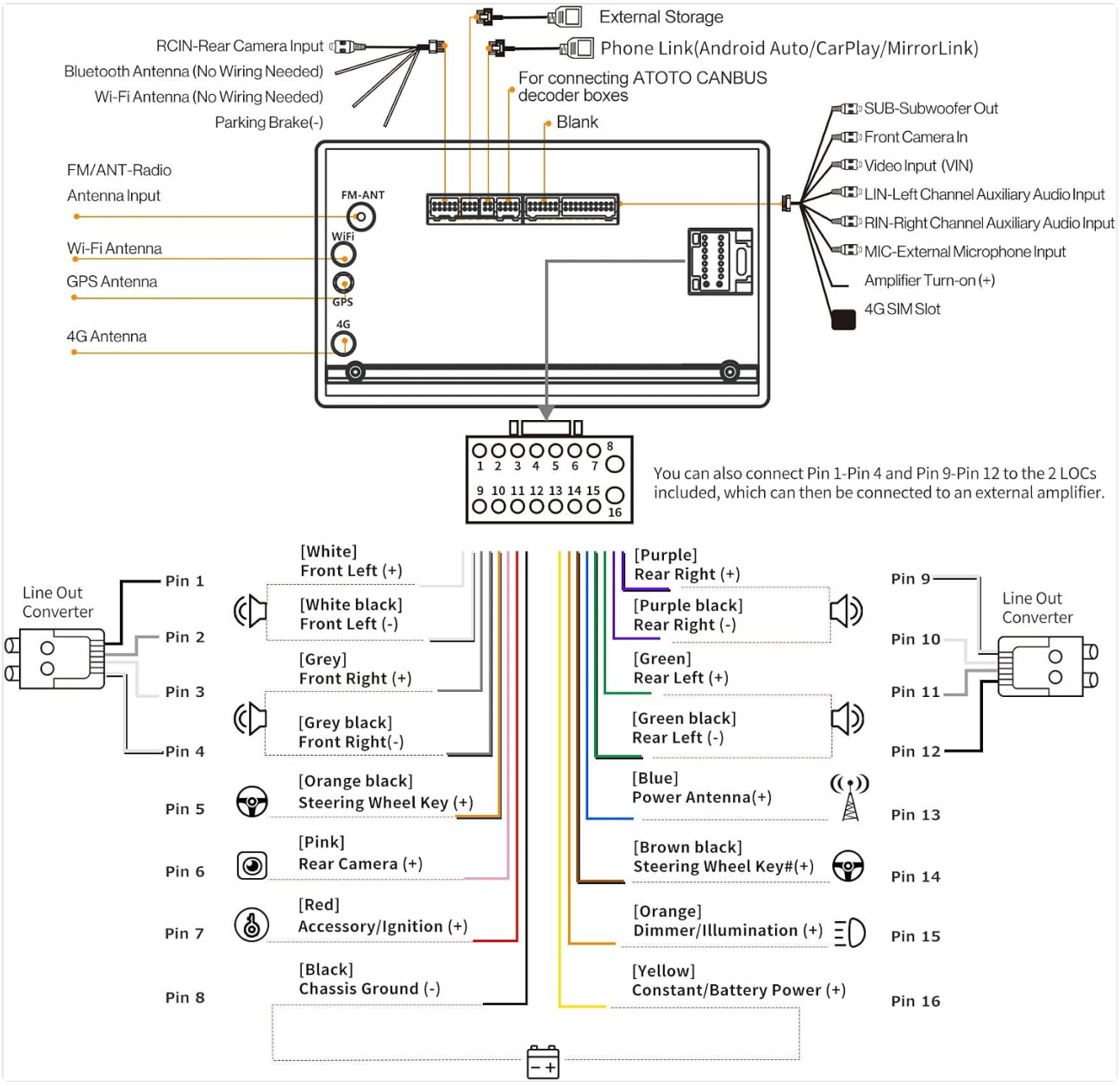


Figure 3.1: Detailed wiring diagram for the ATOTO S8 head unit, showing connections for power, speakers, antennas, and external devices.

3.2 Dimensions and Compatibility

The physical dimensions of the ATOTO S8 are designed for double-DIN compatibility. Verify your vehicle's dash opening matches these dimensions for proper fitment.



Figure 3.2: Dimensions of the ATOTO S8 unit, illustrating its 7-inch screen and ISO Standard Double-DIN size for compatibility.

3.3 Packaging Contents

Ensure all components are present in the package before beginning installation.



Figure 3.3: Overview of the items included in the ATOTO S8 product packaging, such as cables, antennas, and mounting hardware.

4. Operating Instructions

The ATOTO S8 features a responsive touchscreen interface and a customizable Android operating system. Upon startup, you will be presented with the main home screen, which can be personalized with various app shortcuts and widgets.

4.1 User Interface and Navigation

The main screen provides quick access to frequently used applications like Radio, BT Music, Spotify, Play Store, OBD Check (Torque), CarbitLink, and Gallery. Swipe left or right to access additional app pages. The status bar at the top displays time, signal strength, battery, and other system indicators.

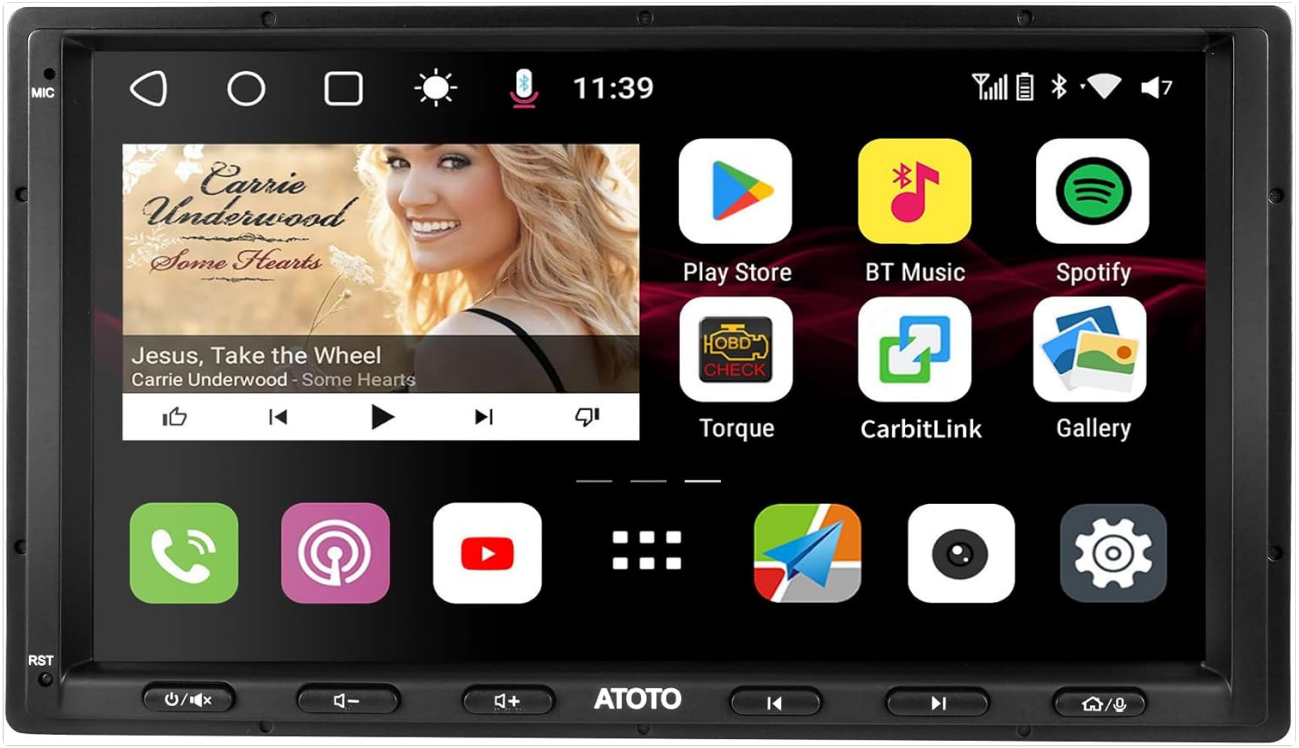


Figure 4.1: The main user interface of the ATOTO S8, displaying common application icons and the radio tuner.

4.2 Internet Access Options

The ATOTO S8 offers four primary methods for internet connectivity:

- **4G LTE Cellular Modem:** Directly insert a SIM card into the unit for independent 4G connectivity.
- **Wi-Fi Hotspot:** Connect to a 2.4 GHz or 5 GHz Wi-Fi network from your smartphone or a dedicated hotspot device.
- **Bluetooth Tethering:** Share your smartphone's internet connection via Bluetooth, which consumes less power.
- **USB Tethering:** Connect your smartphone via USB to share its internet connection, which also provides a slight battery charge.



Figure 4.2: Visual representation of the four internet access options available on the ATOTO S8 head unit.

4.3 Wireless CarPlay & Android Auto

The S8 supports both wired and wireless Android Auto and Apple CarPlay, allowing seamless integration with your smartphone for navigation, calls, messages, music, and news.



Figure 4.3: Depiction of wireless CarPlay and Android Auto functionality, along with phone mirroring via CarbitLink.

5. Audio Settings

The ATOTO S8 features a Digital Signal Processor (DSP) for advanced audio customization, allowing you to tailor the sound output to your preferences and vehicle acoustics.

5.1 Digital Signal Processor (DSP)

The DSP ensures a unified audio experience by synchronizing sound delivery to all speakers, regardless of their position. This includes features like Time Alignment, Bass Boost, and Sound Field adjustments.

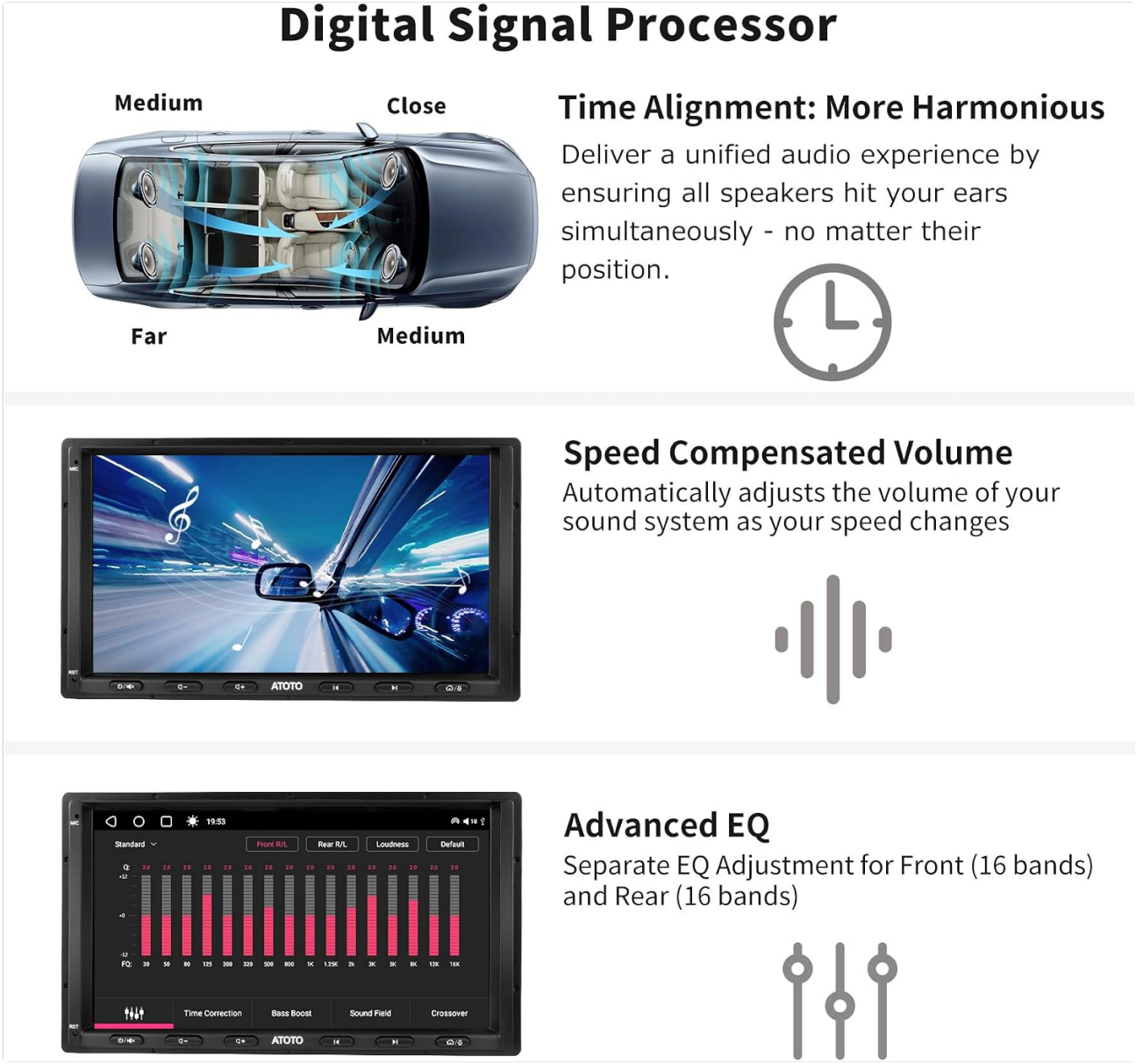


Figure 5.1: Interface for Digital Signal Processor settings, including Time Alignment, Bass Boost, Sound Field, and Advanced EQ controls.

5.2 Speed Compensated Volume Control (SCVC)

The SCVC feature automatically adjusts the system volume based on your vehicle's speed, effectively compensating for increased road and wind noise at higher speeds (typically 50mph or above, using GPS-based software algorithms).

5.3 Advanced EQ

The unit provides a 16-band equalizer with separate adjustments for front and rear speakers, allowing for precise sound tuning.

6. Camera Features

The ATOTO S8 enhances driving safety with advanced camera integration features.

6.1 HD Rearview Imaging and Live RearView (LRV)

When integrated with ATOTO AC-HD02LR or AC-HD03LR cameras (sold separately), the S8 provides high-definition rearview imaging. The Live RearView (LRV) feature allows you to view the rear camera feed even while

driving forward, offering a wider perspective of traffic behind you.

6.2 Virtual Surround View (VSV)

The VSV feature provides a 360-degree virtual surround view for parking and maneuvering, significantly improving visibility around your vehicle. This feature also requires compatible ATOTO cameras (sold separately).



Figure 6.1: Illustration of the Virtual Surround View (VSV) and Live Rear View (LRV) capabilities of the ATOTO S8, requiring compatible ATOTO cameras.

7. Specifications

Feature	Value
Package Dimensions	10.43 x 8.94 x 6.42 inches
Item Weight	5.55 pounds
ASIN	B08VJ66CNL

Item model number	S8G1A84SD
Wireless communication technologies	Bluetooth, Wi-Fi
Connectivity technologies	Bluetooth, USB, Wi-Fi
Special features	Touchscreen
Other display features	Wireless
Manufacturer	ATOTO
Date First Available	January 28, 2021
Brand	ATOTO
Connectivity Technology	Bluetooth, USB, Wi-Fi
Controller Type	Android, Google Assistant
Special Feature	Touchscreen
Compatible Devices	Speaker, Smartphone
Connector Type	USB
Audio Encoding	Stereo
Audio Output Mode	Stereo
Output Power	180 Watts
Number of Channels	4

8. Troubleshooting

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

- **No Power:** Ensure all power connections are secure and correctly wired according to the installation diagram. Check your vehicle's fuse box for any blown fuses.
- **No Sound:** Verify speaker connections. Check audio settings (EQ, loudness, amplifier turn-on) to ensure they are configured correctly. If using an external amplifier, confirm it is powered on.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the S8 and your smartphone. Try unpairing and re-pairing the devices. Check that BT1 is used for handsfree/A2DP and BT2 for internet/OBD2.
- **Wi-Fi Connection Problems:** Confirm the Wi-Fi hotspot is active and within range. Re-enter the Wi-Fi password if necessary.
- **App Installation/Update Failures:** If apps are not installing or updating from the Play Store, ensure you have a stable internet connection. Sometimes, a system restart or clearing the Play Store cache can resolve this. Ensure sufficient storage space is available.
- **Camera Display Issues:** Verify the camera connections are secure. Ensure the correct camera input is selected in the settings. For VSV/LRV, confirm compatible ATOTO cameras are installed.
- **System Lag or Unresponsiveness:** Close unused applications to free up RAM. Perform a system reset if the issue persists, but back up important data first.
- **Firmware Updates:** Regularly check for and install the latest system firmware updates provided by ATOTO.

Updates often include bug fixes and performance improvements.

For more detailed troubleshooting or issues not covered here, please contact ATOTO customer support.

9. Warranty and Support

ATOTO is committed to providing continuous support and product improvements. The S8G2A74MS benefits from continuous system firmware updates, which help to reduce software glitches and incorporate fresh features. For specific warranty details regarding your ATOTO S8 Standard Single-Din Car Stereo, please refer to the warranty card included with your product or visit the official ATOTO website.
For technical assistance, product inquiries, or warranty claims, please contact ATOTO customer support through their official channels. Keep your purchase receipt and product model number (S8G1A84SD) readily available for faster service.

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