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› ATOTO S8L 7-inch AI Android Double Din Car Stereo User Manual

ATOTO S8L

ATOTO S8L 7-inch AI Android Double Din Car Stereo User Manual

Model: S8L

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ATOTO S8L 7-inch AI Android Double Din Car Stereo. Please read this manual thoroughly before using the product to ensure correct usage and to prevent damage.

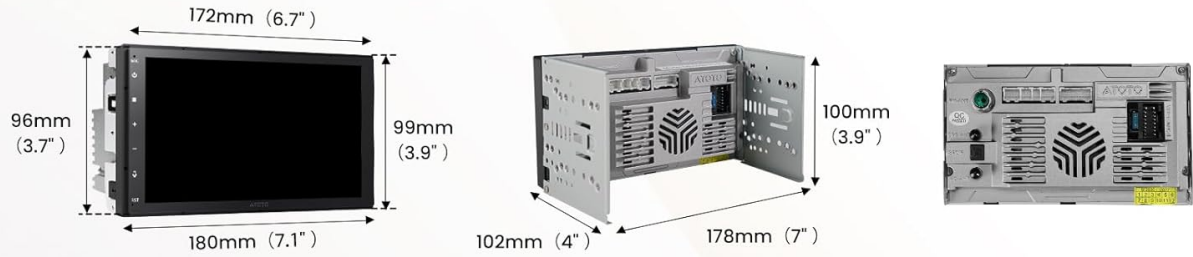
2. SAFETY INFORMATION

- **Installation:** Professional installation is recommended. Incorrect wiring can cause damage to the unit or your vehicle.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply with a negative ground.
- **Operation:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the unit dry. Exposure to moisture can cause malfunction or electric shock.

3. PACKAGE CONTENTS

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

What's in the Box



Note: The given dimensions have a $\pm 1\text{mm}$ tolerance

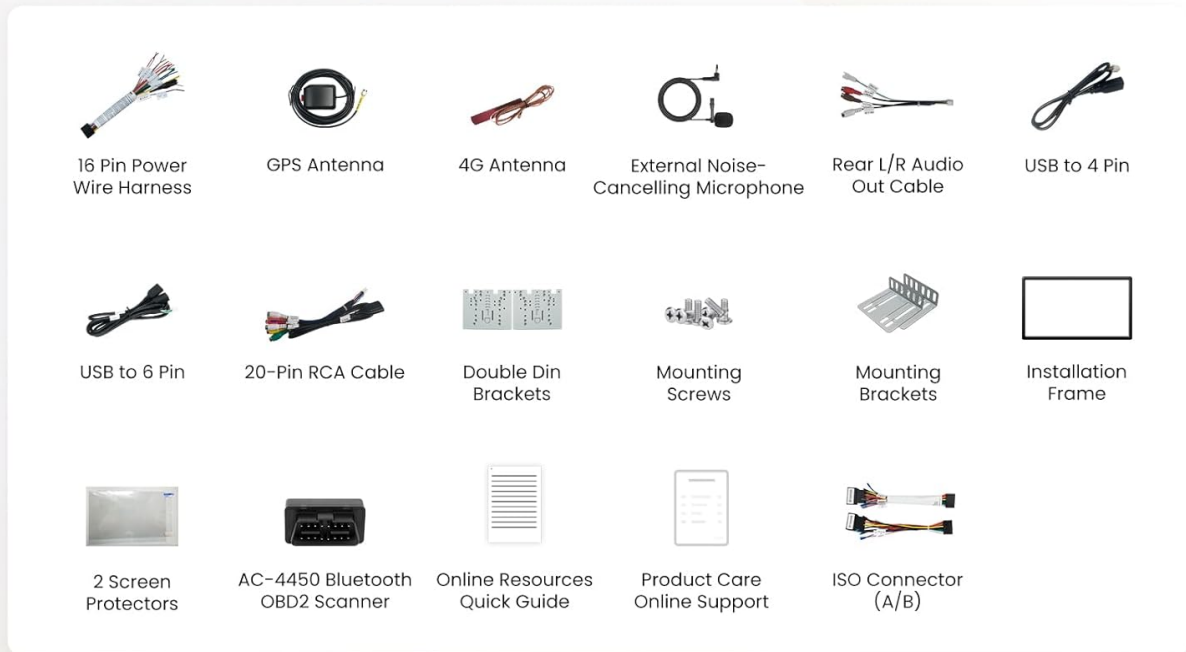


Figure 3.1: Included Components Diagram

- ATOTO S8L Double Din Car Stereo
- AC-4450 Bluetooth OBD II Scanner
- 4G Antenna
- GPS Antenna
- External Noise-Cancelling Microphone
- 16 Pin Power Wire Harness
- RCA Cable
- Rear L/R Audio Out Cable
- Rear Camera Cable
- USB to 4 Pin Cable
- USB to 6 Pin Cable
- Double Din Brackets
- Mounting Screws
- Mounting Brackets
- Installation Frame
- 2 Screen Protectors

- Online Resources Quick Guide
- Product Care Online Support Information

4. INSTALLATION

4.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure to prevent electrical issues.

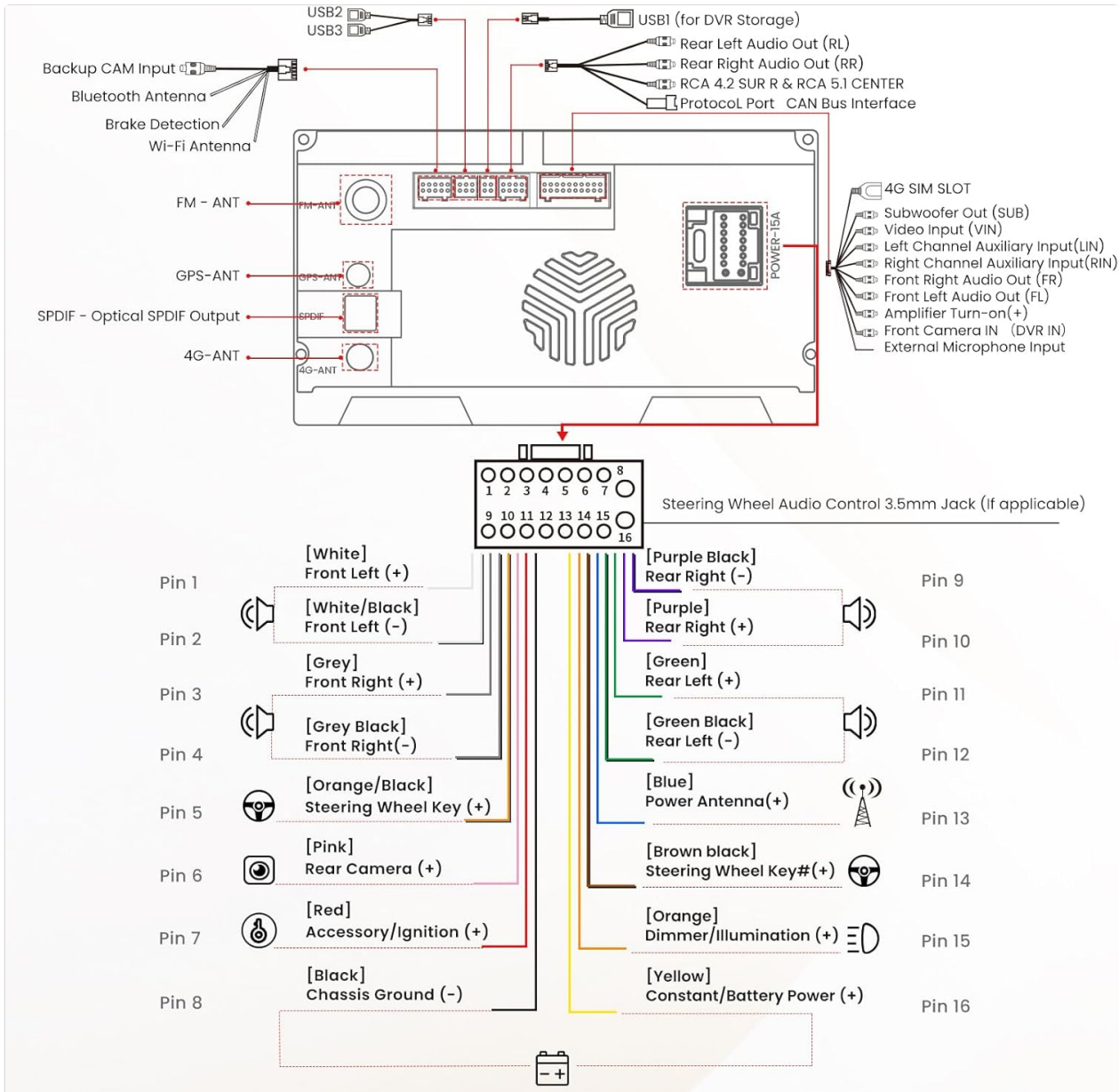


Figure 4.1: ATOTO S8L Wiring Diagram

4.2 General Installation Steps

1. **Preparation:** Disconnect the vehicle's battery before starting installation.
2. **Remove Old Unit:** Carefully remove the existing car stereo from the dashboard.
3. **Connect Wiring:** Match the wires from the ATOTO S8L harness to your vehicle's wiring harness. Use the provided 16-pin power wire harness and other cables as per the wiring diagram.
4. **Antenna Connections:** Connect the GPS antenna and 4G antenna to their respective ports on the unit.

Position antennas in locations with clear signal reception.

5. **External Microphone:** Connect the external noise-cancelling microphone and route it to a suitable location for optimal voice pickup.
6. **Mounting:** Secure the ATOTO S8L unit into the double din opening using the provided brackets and screws.
7. **Test:** Reconnect the vehicle's battery and perform a functional test of the unit before fully reassembling the dashboard.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

The ATOTO S8L operates on Android 15, providing a familiar touchscreen interface. Power on the unit by starting your vehicle. Adjust volume using the on-screen controls or steering wheel controls if configured.

5.2 Display Features

The 7-inch QLED display offers vivid colors and a wide viewing angle. It supports split-screen functionality, allowing you to view navigation and media simultaneously.

Vivid Color Brings Every Image to Life Dual-Layer QLED, Our Best Display Yet



Strong Light Suppression



Vivid Colors, Sharper Detail



550-Nit Clearer View



Multitasking & Adjustable Split Screen

Choose 1/3, 1/2, or 2/3 screen size
Bigger Map in Split Screen

Figure 5.1: QLED Display and Split-Screen Functionality

5.3 Connectivity

The S8L offers multiple connectivity options to keep you connected on the road.



Figure 5.2: Connectivity Options

- **Wireless CarPlay & Android Auto:** Connect your smartphone wirelessly for navigation, music, calls, and voice commands. Wired Android Auto is also supported.
- **4G LTE with SIM Card:** Insert a 4G SIM card for independent internet access, enabling navigation, streaming, and app usage without phone tethering.
- **Wi-Fi & Bluetooth Tethering:** Use your phone's hotspot for internet access when Wireless CarPlay or Android Auto is active.

5.4 AI Agent (DriveChat)

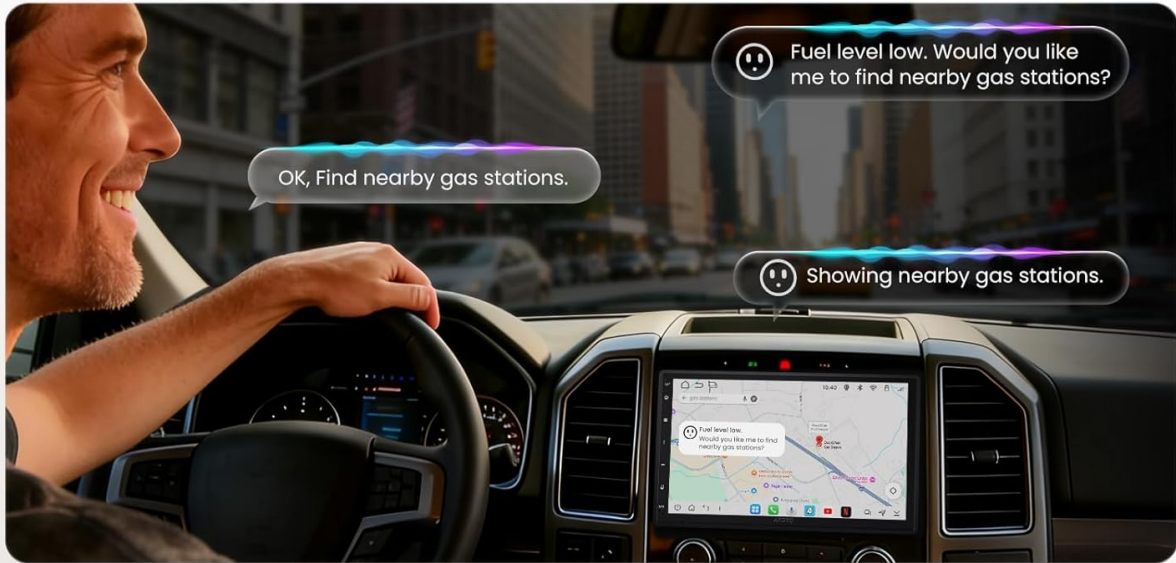
The integrated AI Agent, powered by ChatGPT 5.2 and Gemini 3.0, provides advanced voice assistance for various in-car tasks.

Powered by ChatGPT 5.2, Gemini 3.0, and more AI models



Hands on the Wheel. Voice Handles the Rest

DriveChat simplifies in-car tasks and helps you get things done effortlessly



Voice Commands

Calls and Apps by Voice



Info & Q&A

Weather, News & General Knowledge



GeoSense

Find nearby gas, parking, and more



OBD Fault Diagnostic

Check vehicle status and fault info



Refuel Guide

Get low fuel alerts



*To Be Launched...

* Advanced features such as RoadSense, Cabin Guard, and OBD Overspeed Alert will roll out via OTA updates.

Figure 5.3: DriveChat AI in Action

- **Voice Commands:** Control calls, apps, and system functions using your voice.
- **Info & Q&A:** Get real-time information, weather updates, and general knowledge.
- **GeoSense:** Find routes, parking, and points of interest by voice.

5.5 Audio Features

Experience enhanced audio quality with the S8L's advanced sound processing capabilities.

Concert-Like Sound All Around You

Crisp highs, rich detail, and powerful sound you can truly feel



Classic FM & Online Radio

Old Favorites, New Discoveries



FM/AM Radio

Local weather and traffic updates, even offline



SSRadio

Worldwide Listening Custom Stations



Spotify & YouTube Music



Audiobooks & Podcasts

Note: Available stations may vary by country due to local regulations.

Figure 5.4: Audio Features Overview

- **DSP & 32-Band EQ:** Customize your sound with a digital signal processor and a 32-band equalizer.
- **Time Alignment:** Adjust audio delays for optimal sound staging.
- **Adjustable Crossovers:** Fine-tune frequency distribution to speakers and subwoofers.
- **SCVC (Speed Compensated Volume Control):** Automatically adjusts volume based on vehicle speed.
- **Radio:** Access FM/AM radio and online stations via SSRadio.

5.6 Camera Inputs

The unit supports various camera inputs for improved safety and recording.

True 1080P Dash Cam

*AC-HD30BM Dashcam



Auto Emergency Recording



Loop Recording



Up to 24H Parking Recording



Backup Cam Input



Live Rear View (LRV)



Backup Cam Input



Reduced Blind Spots

*AC-HD02LR Backup Cam

*Cameras are not included

Figure 5.5: Camera Input Capabilities

- **Dash Cam (AC-HD30BM, sold separately):** Supports 1080P recording with emergency, loop, and 24-hour parking modes.
- **Backup Cam Input (AC-HD02LR, sold separately):** Provides Live Rear View (LRV) and aids in reducing blind spots during reversing.

5.7 Engine Diagnostics with OBD II

The included AC-4450 Bluetooth OBD II Scanner integrates with the S8L to provide real-time vehicle health data.

Engine Diagnostics with OBD II

Stay ahead of engine problems with real-time insights
Catch issues early before they turn into costly repairs



In-Car Bluetooth Accessory Hub

Less Setup. Easier to Manage in One App



Note: *Accessories shown are **NOT** included.

Figure 5.6: OBD II Diagnostics Interface

- **Real-time Data:** Monitor engine status, performance, and trouble codes.
- **DriveChat Insights:** Receive insights and proactive help based on OBD data.

5.8 Video Input and Output

The S8L supports video input for external devices and dual-zone video output for rear-seat entertainment.

Video Input


Big-Screen Entertainment



AC-HAV50
Digital Video to AHD
(not included)


Dual-Zone Video Output

Navigate Up Front, Entertainment in the Back





AC-AHV48
USB to CVBS RCA Adapter
(not included)



AC-AHV68
USB to HDMI Adapter
(not included)

Same Screen and Audio Front to Rear
 Different Screen and Audio Front to Rear

Figure 5.7: Video Input and Dual-Zone Output

- **Video Input:** Connect external video sources (e.g., game consoles) via an optional AC-HAV50 adapter.
- **Dual-Zone Video Output:** Allows front-seat users to navigate while rear-seat passengers enjoy media on separate screens (requires AC-AHV48 or AC-AHV68 adapters, sold separately).

5.9 Steering Wheel Control

The unit is compatible with most factory steering wheel controls. Custom key learning is available to map functions to your vehicle's buttons.

5.10 Screen Lock (Bluetooth Disconnect)

This feature automatically locks the display when your phone moves out of Bluetooth range, protecting your privacy by hiding personal information.

5.11 Smart App Suite

- **TrackHU:** Live GPS tracking with geofencing capabilities.
- **FindApps:** Provides a curated selection of car-optimized applications for easy installation.
- **SSRadio:** Offers access to thousands of global online radio stations.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display and unit. Avoid abrasive cleaners or solvents.
- **Software Updates (OTA):** The S8L supports Over-the-Air (OTA) updates. Regularly check for and install updates via the FindApps application to ensure optimal performance and access to new features.
- **Screen Protectors:** Utilize the provided screen protectors to guard against scratches and smudges.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Vehicle battery issue	Check power connections; Inspect vehicle fuses; Verify vehicle battery health.
No sound output	Speaker wiring issue; Volume too low; Mute activated; DSP settings incorrect	Check speaker connections; Increase volume; Deactivate mute; Reset DSP settings.
Wireless CarPlay/Android Auto not connecting	Bluetooth/Wi-Fi off on phone/unit; Incorrect pairing; Software glitch	Ensure Bluetooth/Wi-Fi is active; Re-pair device; Restart unit and phone.
GPS signal lost or inaccurate	GPS antenna improperly installed/damaged; Obstruction to signal	Check GPS antenna connection and placement; Move vehicle to an open area.
Touchscreen unresponsive	Software freeze; Physical damage	Restart the unit; If issue persists, contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	ATOTO
Model	S8L
Display Size	7 inch
Display Type	QLED
Operating System	Android 15
RAM	4GB
ROM	64GB

Feature	Detail
Connectivity	4G LTE, Wi-Fi 6, Bluetooth 5.4, USB, HDMI
Special Features	Wireless CarPlay & Android Auto, AI Agent (DriveChat), DSP, 32-Band EQ, SCVC, GPS Navigation, OBD II Integration, Screen Mirroring, Front/Rear Camera Input
Audio Output Mode	Stereo
Control Method	App, Remote, Touch, Voice
Power Output	Built-in Amplifier (4x45W Peak)

9. WARRANTY AND SUPPORT

The ATOTO S8L comes with 12 months of product care, extendable by an additional 6 months. For technical assistance, warranty claims, or further inquiries, please refer to the online resources quick guide included in your package or visit the official ATOTO support website. Regular OTA updates ensure your device remains current with the latest features and improvements.