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ATOTO S8L

ATOTO S8L 7" Double Din Car Stereo User Manual

Model: S8L

Product Overview

The ATOTO S8L is a 7-inch double DIN car stereo designed to enhance your in-car entertainment and connectivity. It features Android 15, 4GB RAM, 64GB ROM, built-in 4G LTE, Wireless CarPlay, and Android Auto. This manual provides instructions for installation, operation, and maintenance.



Image: The ATOTO S8L 7-inch Double Din Car Stereo, showcasing its display and controls within a vehicle dashboard.

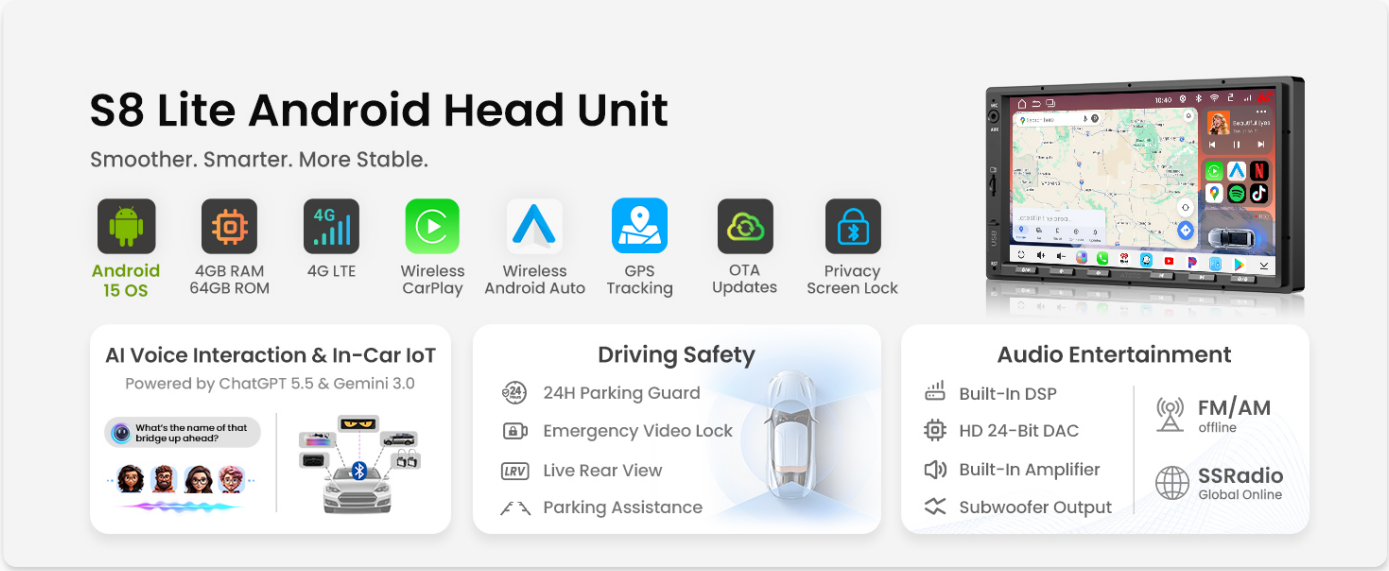


Image: A visual summary of the ATOTO S8L's core features, including its Android 15 operating system, 4GB RAM, 64GB storage, 4G LTE connectivity, Wireless CarPlay & Android Auto, multitasking capabilities, customizable UI, and Over-the-Air (OTA) updates.

Setup and Installation

Package Contents

Verify that all items are present in the package:

- Double Din Car Stereo
- AC-RCR04W Backup Camera
- 4G Antenna
- GPS Antenna
- External Noise-Cancelling Microphone
- RCA Cable
- Rear L/R Audio Out Cable
- Rear Camera Cable
- USB to 4 Pin Cable
- USB to 6 Pin Cable
- 16 Pin Power Wire Harness
- Double Din Brackets
- Mounting Screws
- Mounting Brackets
- Installation Frame
- 2 Screen Protectors
- Online Resources Quick Guide
- Product Care Online Support Information

Installation Guidelines

The S8L is designed for universal double-DIN installation. Professional installation is recommended. Ensure to measure your dash opening before purchase to confirm fitment. A vehicle-specific dash kit, wiring harness, and data interface may be required for proper installation.



Image: A diagram illustrating the standard double-DIN fit and dimensions of the ATOTO S8L head unit, including mounting brackets and installation frame. It also shows a 'Before' and 'After' comparison of a dashboard with the stereo installed.

Operating Instructions

Initial Power-On and Basic Setup

After successful installation, turn on your vehicle's ignition. The S8L will power on automatically. Follow the on-screen prompts for initial setup, including language selection and time zone.

Connectivity

Wireless CarPlay & Android Auto

Connect your smartphone wirelessly for access to navigation, music, calls, and voice commands. Wired Android Auto is also supported. MirrorLink allows mirroring your smartphone screen.



Image: Examples of seamless smartphone integration, showing Wireless Apple CarPlay, Wireless Android Auto, and wired/wireless phone mirroring on the S8L display.

Built-in 4G LTE

Insert a compatible SIM card into the designated slot to enable independent 4G LTE internet access. This allows the head

unit to stay online without relying on your phone's Wi-Fi hotspot, especially when Wireless CarPlay or Android Auto is active. USB tethering is available as a backup connection.

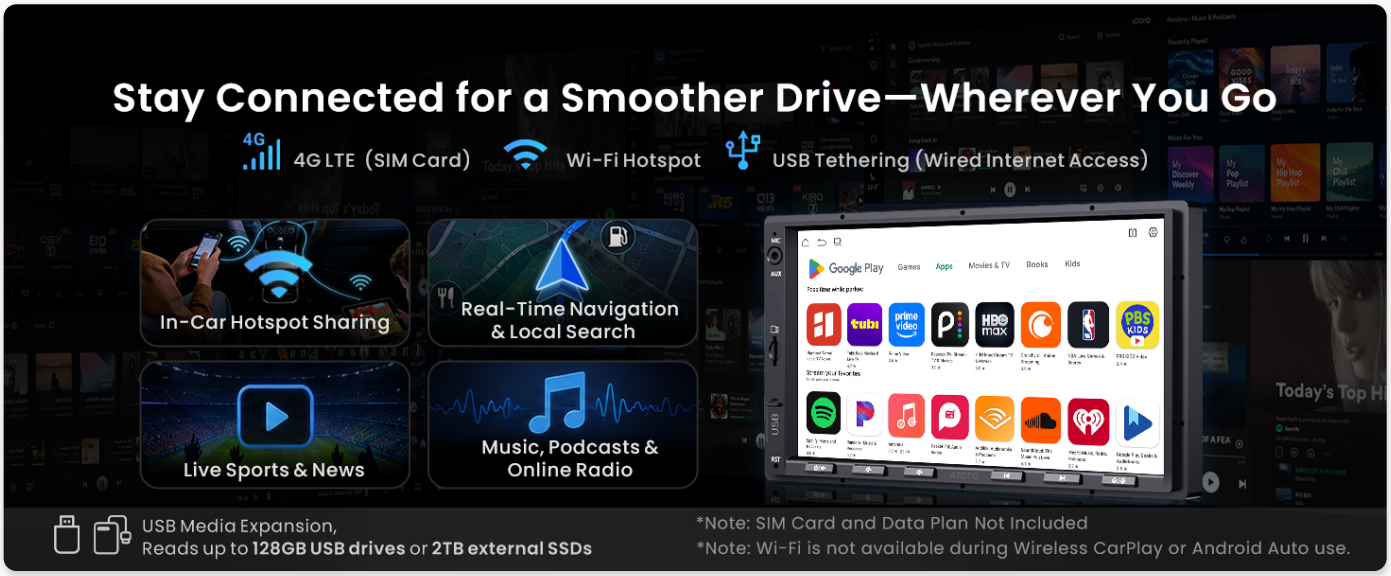


Image: A comparison illustrating how the S8L's built-in 4G LTE allows simultaneous Wireless CarPlay/Android Auto and native app online access, unlike typical head units that require disconnecting to switch networks.

Bluetooth

Pair your phone via Bluetooth for hands-free calling and audio streaming.

Display Features

The S8L features a 7-inch Dual-Layer QLED Touchscreen with 1280x800 resolution, 550 nits brightness, and a 178° viewing angle. The optically bonded display provides strong light suppression for clear visibility in direct sunlight.

Adjustable Split Screen

Utilize the split-screen function to view navigation and media simultaneously. You can choose 1/3, 1/2, or 2/3 screen sizes for flexible multitasking.

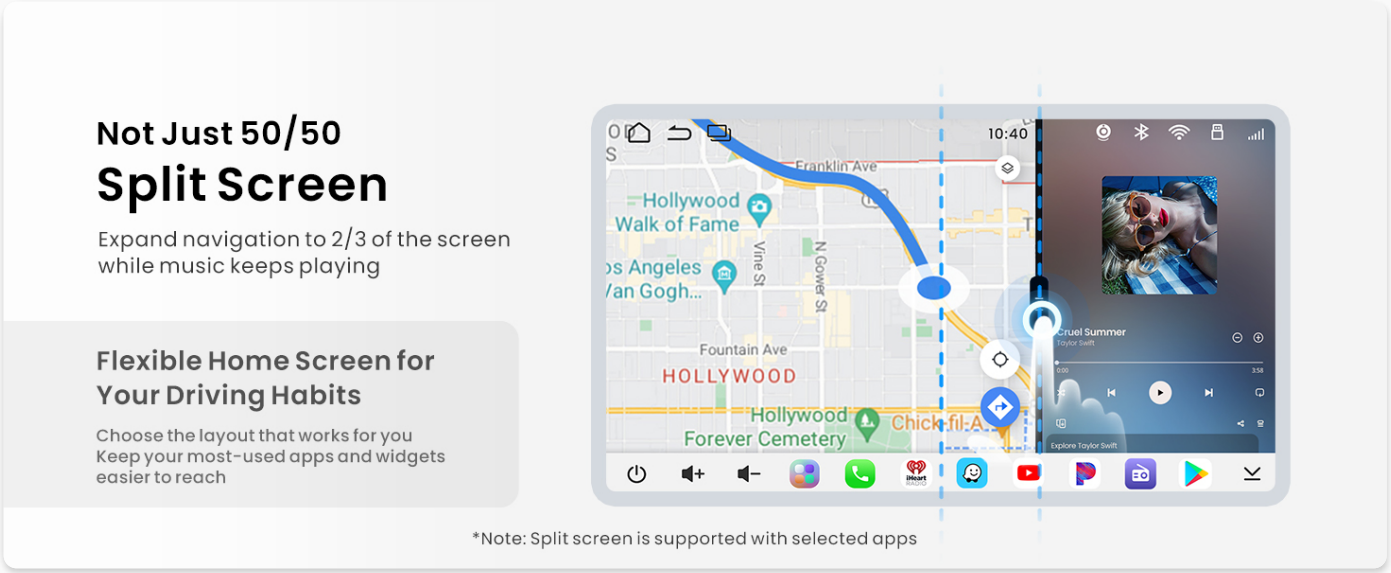


Image: The S8L's 7-inch QLED display demonstrating its adjustable split-screen feature, showing a navigation map on one side and a music player on the other.

Audio Features

The S8L includes a Digital Sound Processor (DSP) for enhanced audio. It offers 6 EQ presets, a 32-band EQ, time alignment, adjustable crossover, and a 24-bit DAC for clear sound. The built-in amplifier provides 4x45W peak/4x25W RMS power. For further upgrades, 3V RCA pre-out, optical SPDIF output, and subwoofer output are available.

Speed-Compensated Volume Control (SCVC)

The SCVC feature automatically adjusts the volume based on your vehicle's speed to maintain consistent sound quality and compensate for road noise.

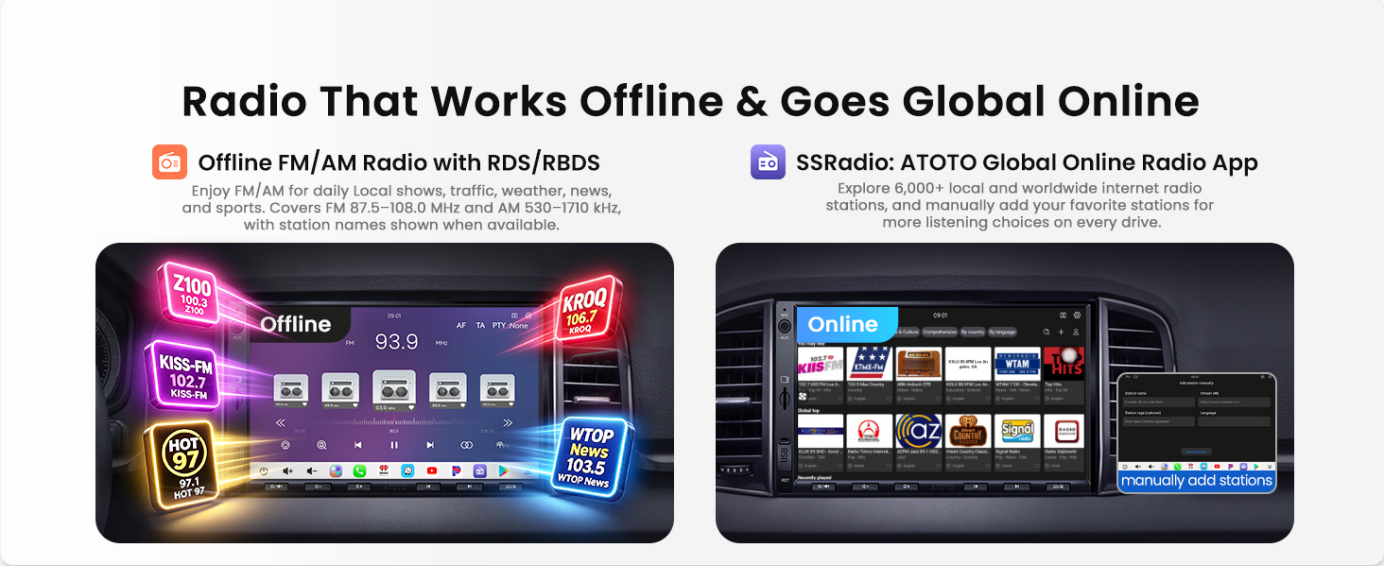


Image: A detailed graphic showcasing the S8L's advanced DSP tuning capabilities, including time alignment, 32-band EQ with crossover, Speed-Compensated Volume Control (SCVC), HD 24-bit DAC, built-in amplifier, and various audio outputs.

Navigation and AI Features

DriveChat & Agentic AI

Utilize DriveChat, powered by ChatGPT 5.5 and Gemini 3.0, for voice commands, Q&A, real-time information, and reminders. This allows for hands-free interaction with the system.

TrackHU GPS Tracking

The TrackHU app supports real-time vehicle tracking, trip playback, and geofence alerts, providing insights into your car's location history.

AI-Powered OBD Code Interpretation & Refuel Guide

The system can provide online explanations for OBD codes and offer a refuel guide with low-fuel alerts.

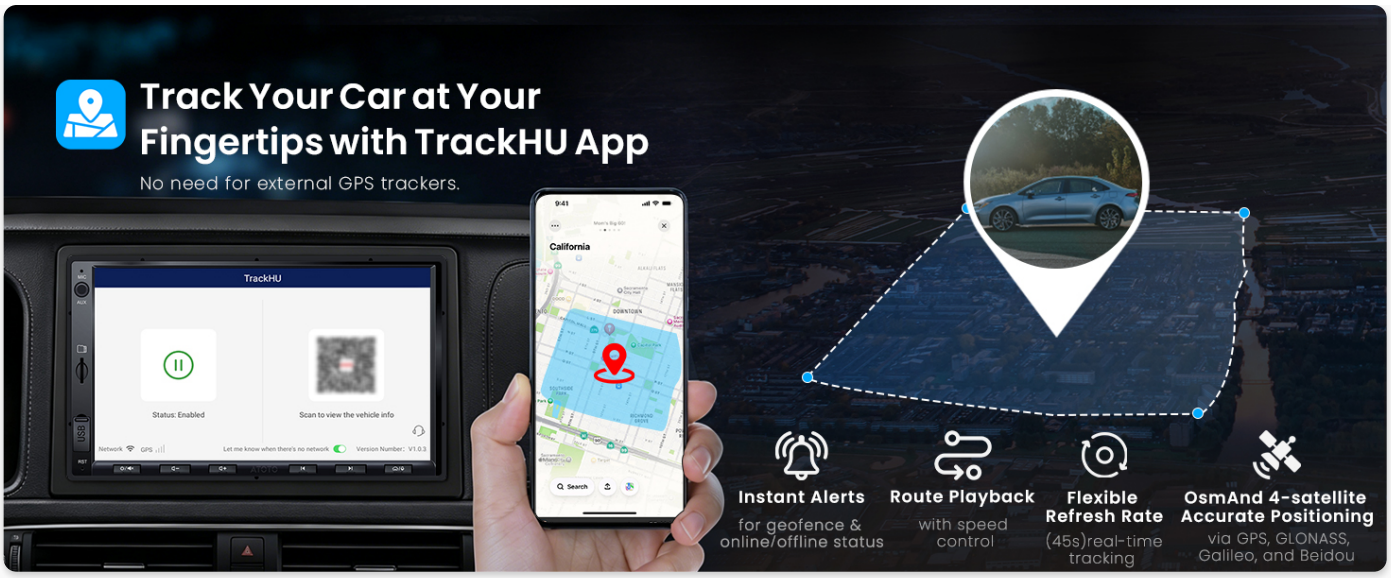


Image: An overview of the S8L's exclusive built-in features, including DriveChat for voice commands and Q&A, GeoSense for finding nearby locations, AI-powered OBD code interpretation, a refuel guide, TrackHU for GPS tracking, and SS Radio for online radio access.

Radio

The S8L supports offline FM/AM radio with RDS/RBDS. Additionally, the SSRadio app provides access to over 6,000 online radio stations globally, with the option to manually add favorites.

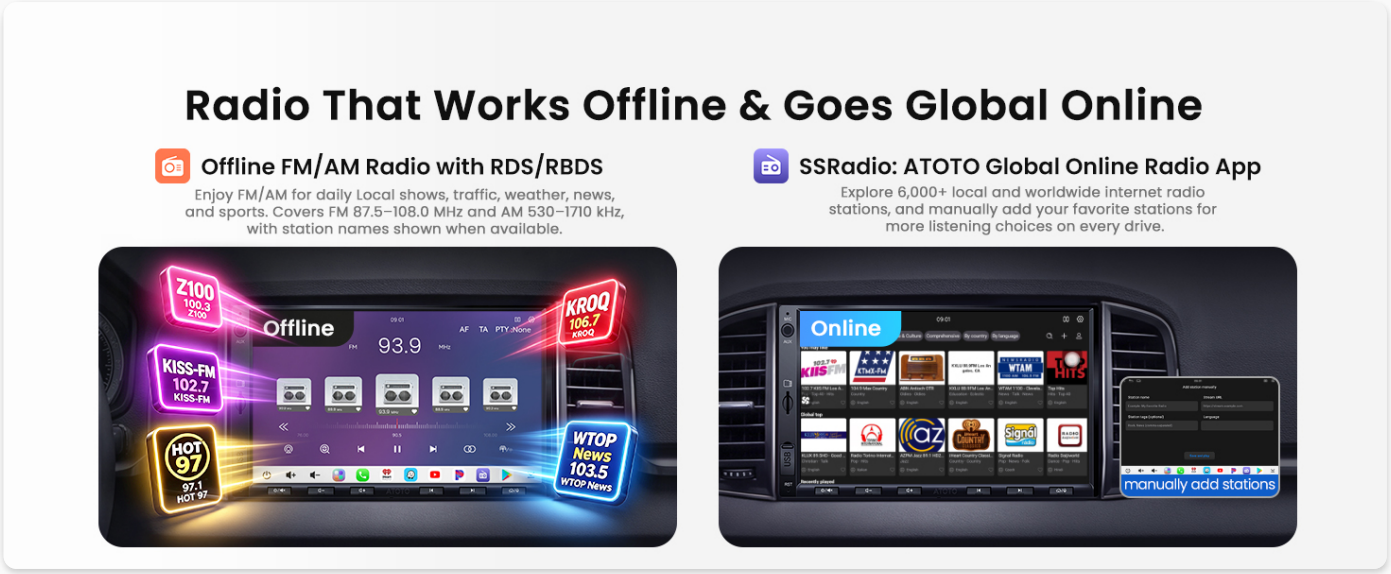


Image: The S8L's display showing both offline FM/AM radio interface with station information and the online SSRadio app with a wide selection of global stations.

Camera Integration

Included 1080P Backup Camera (AC-RCR04W)

The included backup camera provides a 145° wide field of view, Live Rear View (LRV) functionality, and parking guidelines. It features BLC (Backlight Compensation) and AGC (Automatic Gain Control) for clear images in various lighting conditions, and an IP67 waterproof housing.



Image: A graphic detailing the features of the included AHD 1080P backup camera (AC-RCR04W), such as Night Vision, WDR, IP67 waterproof rating, BLC, AGC, Live Rear View (LRV), and adjustable reversing guidelines.

Parking Assistance

Adjustable parking guidelines assist in confident parking. You can customize the width, height, and position of these guidelines.



Image: An illustration demonstrating how the adjustable parking guidelines on the S8L's display help users park with confidence, showing options to change width, move up/down, and adjust height.

Optional Front Camera (AC-FCR04W)

An optional HD front camera (not included) can provide WDR, night vision, auto loop recording, 24H parking protection, and emergency video lock to preserve footage during incidents.

Collision Footage Lock & 24H Parking Recording (with AC-HD30BM)

With the optional AC-HD30BM camera, collision footage is automatically locked, and the system supports up to 24 hours of parking recording with battery drain prevention and voltage cut-off.

Privacy Protection

The Bluetooth Screen Lock feature automatically locks the display when your phone moves out of range, preventing

unauthorized access to your data.



Image: A visual explanation of the Bluetooth Screen Lock feature, demonstrating how the screen automatically locks when the paired phone is away and unlocks when it's nearby, ensuring privacy.

Video Input and Output

The S8L supports video input via HDMI (with optional AC-HAV50 adapter) for connecting external devices like game consoles or TV sticks. It also offers dual-zone video output, allowing navigation on the front display while passengers enjoy entertainment on separate rear screens (requires optional USB-to-HDMI adapter).

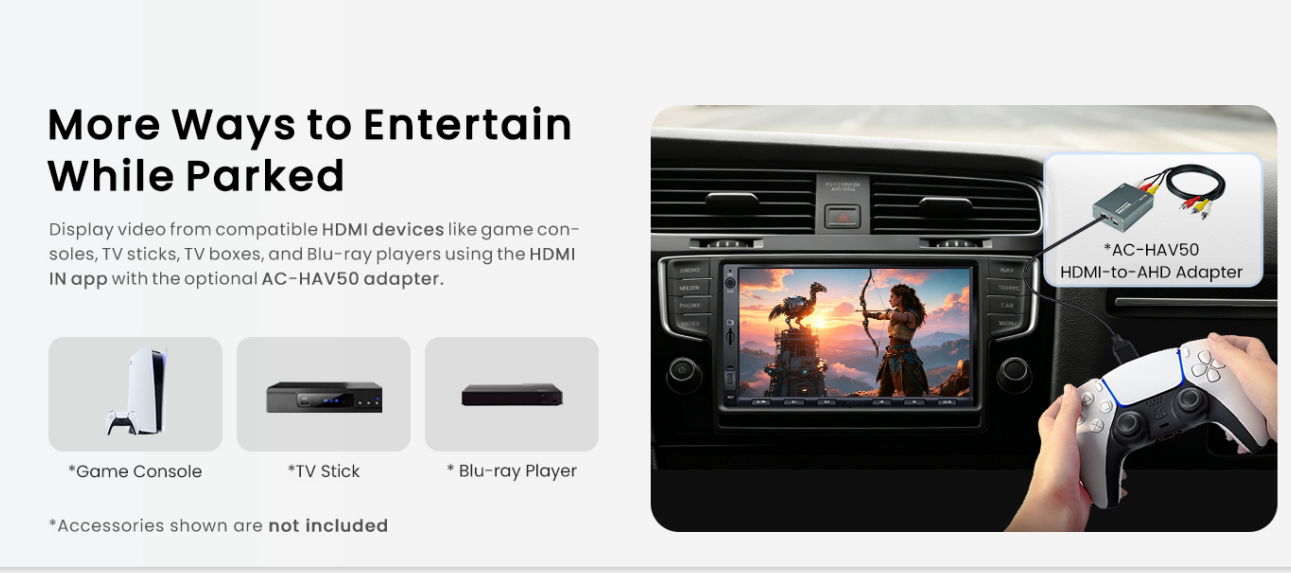


Image: The S8L display showing video input from a game console, illustrating the HDMI IN capability for big-screen entertainment while parked (AC-HAV50 adapter not included).

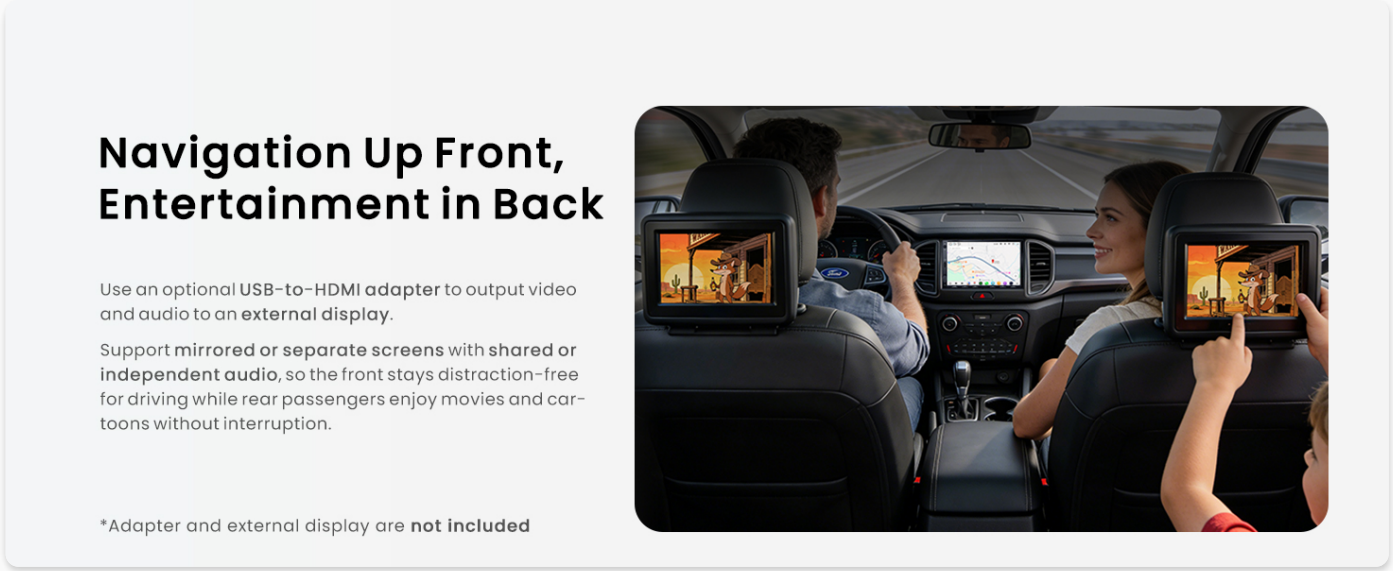


Image: A depiction of the dual-zone video output feature, where the front display shows navigation while rear passengers watch videos on separate screens (optional USB-to-HDMI adapter and external displays not included).

Steering Wheel Controls

The S8L supports retaining your vehicle's factory steering wheel controls. It also has a dedicated 3.5mm port for SWC interfaces. An optional AC-44F8 Watchband Style Wireless Remote is available for convenient control.



Image: Instructions on how to connect and retain factory steering wheel controls to the S8L, along with an illustration of the optional AC-44F8 Watchband Style Wireless Remote for additional control.

Maintenance

Over-the-Air (OTA) Updates

The S8L supports Over-the-Air (OTA) updates to enhance stability, refine features, and keep the system up-to-date. Connect the unit to the internet to check for and apply available updates.

General Cleaning

To clean the display and unit, use a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents that could damage the screen or finish.

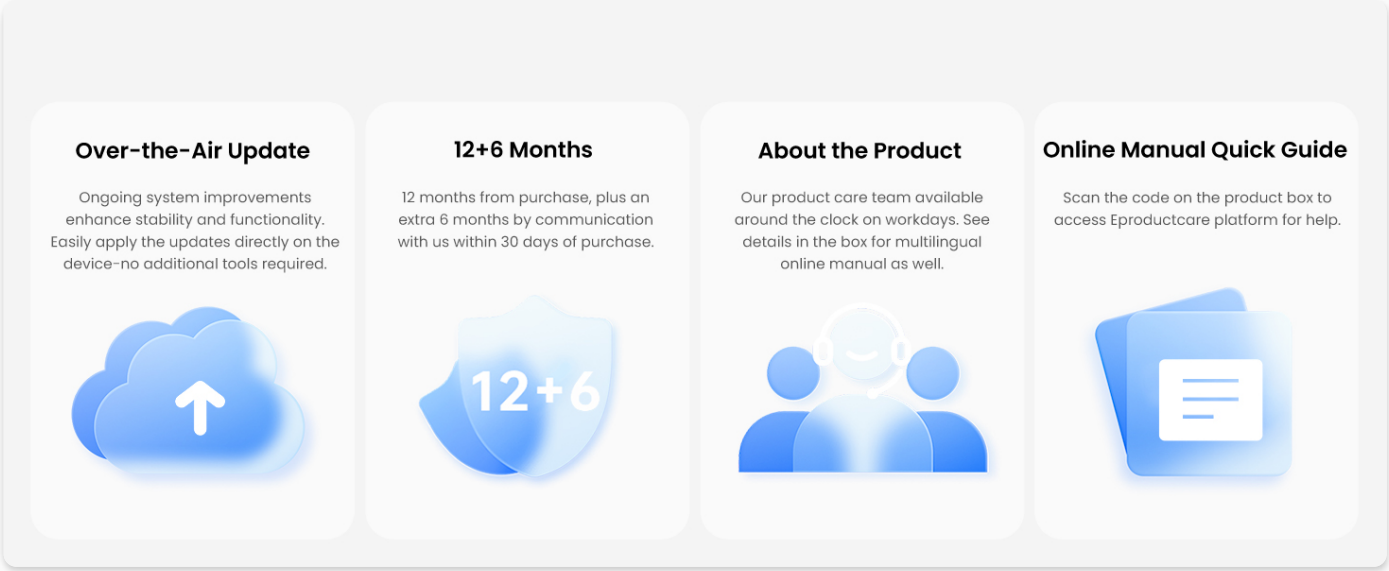


Image: An informational graphic detailing the benefits of Over-the-Air (OTA) updates for ongoing system improvements and the product care policy, including warranty duration and online support resources.

Troubleshooting

Common Issues

- **No Power:** Check all power connections and vehicle fuses. Ensure the ignition is on.
- **No Sound:** Verify speaker connections, volume levels, and audio source selection. Check DSP settings.
- **Connectivity Problems (CarPlay/Android Auto/4G LTE):** Ensure Bluetooth and Wi-Fi are enabled on your phone (for wireless CP/AA). For 4G LTE, check SIM card insertion and data plan.
- **Display Issues:** Restart the unit. Check for loose connections if the screen is blank or flickering.

Engine Diagnostics with OBD II

The S8L can integrate with an optional AC-4450 Bluetooth OBD2 Scanner (not included) to provide real-time insights into your vehicle's engine status. This allows you to view fuel status, interpret OBD codes (powered by AI), and perform performance health checks.



Image: The S8L screen showing various vehicle status data, such as engine RPM and temperature, obtained through an optional AC-4450 Bluetooth OBD2 Scanner (not included).

Specifications

Feature	Detail
Brand	ATOTO
Model Number	S8L
Display Size	7 inches
Display Type	Dual-Layer QLED Touchscreen
Resolution	1280x800
Brightness	550 nits
Operating System	Android 15
RAM	4GB
ROM	64GB
Connectivity	4G LTE, Wi-Fi, Bluetooth, USB, Auxiliary, HDMI
Wireless Integration	Wireless CarPlay, Wireless Android Auto
Audio Output Power	4x45W Peak / 4x25W RMS
Audio Features	DSP, 32-band EQ, Time Alignment, Crossover, 24-bit DAC, SCVC
Included Camera	AC-RCR04W 1080P Backup Camera
Video Encoding	H.263 / H.264 / MPEG-4 / MPEG-2 / VP8 / VP9 / HEVC / H.265
Supported Internet Services	Amazon Music, Apple Music, Audible, Browser, Google TV, Hulu, Libby, Netflix, Pandora, Pocket Casts, Skype, Spotify, YouTube, YouTube Music, iHeartRadio, iTunes

Warranty and Support

Product Care and Warranty

The ATOTO S8L includes 12 months of assured product care from the date of purchase, with an additional 6 months available by communicating with ATOTO within 30 days of purchase. This covers manufacturing defects and ensures ongoing support.

Online Resources and Support

For detailed information, troubleshooting guides, and further assistance, refer to the Online Resources Quick Guide included in your package. You can also access the multilingual online manual and contact ATOTO's product care team for support.

Compatible Accessories

To find compatible accessories and installation parts for your vehicle, including dash kits, wiring cables, and antenna adapters, utilize the 'Search By Vehicle (SBV) Tool' available on the ATOTO website. This tool also highlights accessories that work with your selected head unit.

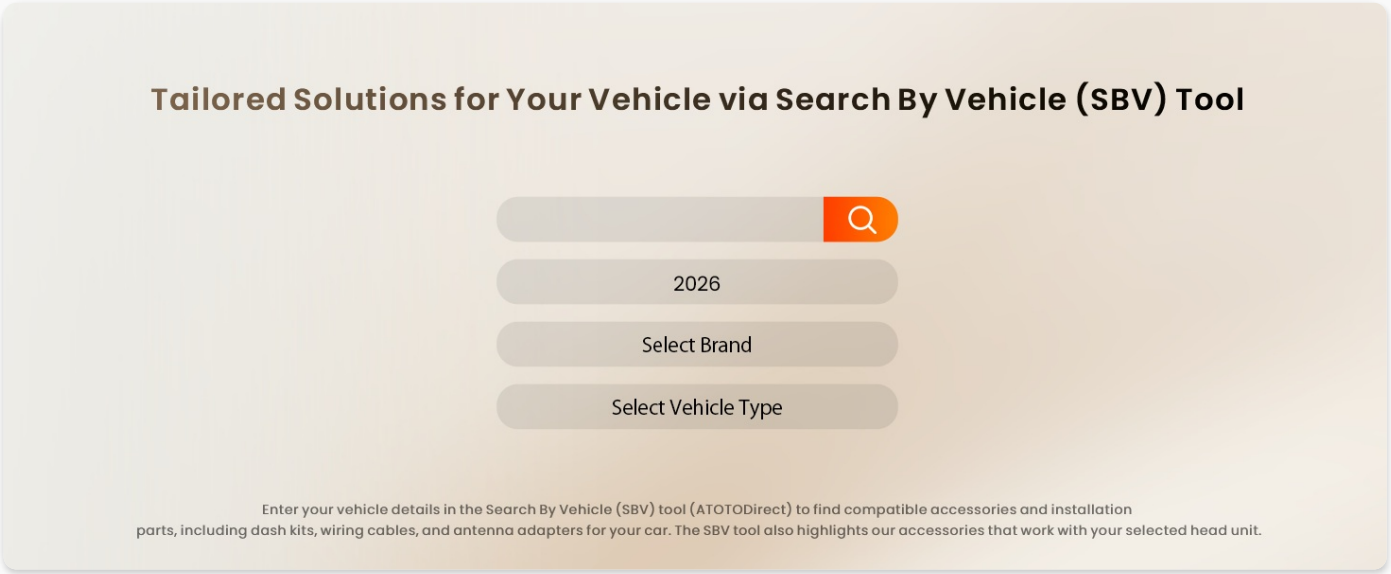


Image: A visual representation of the 'Search By Vehicle (SBV) Tool', which allows users to input vehicle details to find compatible accessories and installation components for their ATOTO head unit.

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