ATOTO A6Y2710SB

ATOTO A6Y2710SB Double Din Android Car Navigation Stereo User Manual

Model: A6Y2710SB | Brand: ATOTO

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ATOTO A6Y2710SB Double Din Android Car Navigation Stereo. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. Product Overview

The ATOTO A6Y2710SB is an advanced double DIN car entertainment system running on a customized Android 6.0 Marshmallow operating system (ATOTO AICE OS 9.x). It features a 7-inch capacitive touchscreen, dual Bluetooth connectivity, integrated GPS navigation, FM/AM radio with RDS, and various multimedia capabilities. Designed for vehicle integration, it offers a comprehensive in-car experience.



Figure 2.1: Front view of the ATOTO A6Y2710SB unit, showing the 7-inch touchscreen display with various application icons and media playback interface.

3. Specifications

Feature	Description
Model	A6Y2710SB
Operating System	ATOTO AICE OS 9.x (based on Android 6.0 Marshmallow)
Processor	MTK 8127A Soc-based Quad-core 1.5Ghz CPU
GPU	ARM Mali-450 MP4
RAM	1 GB
Internal Storage	16 GB
Display	7" 1024*600 5-Touch Capacitive Touchscreen (400cd/m2)
Amplifier	Built-in Max 4*45W (RMS 4*24W)
Equalizer	Preset 9-band EQ with 12 section adjustable frequency
Bluetooth	Dual Bluetooth (BT1 4.2 & BT2 4.0) - HFP/HSP/A2DP/AVRCP/PBAP support
Radio Tuner	Built-in FM/AM Radio w/ RDS
GPS	Built-in GPS Receiver module with external GPS antenna
Wi-Fi	Built-in Wi-Fi with Ultra external Wi-Fi antenna
Microphone	Built-in MEMS microphone

Feature	Description
Inputs	Reversing camera, AUX Audio/Video, 3 USB interfaces, Micro SD slot
Outputs	4-CH RCA Audio Out (2v), Separate Sub-woof Out (0.8v)
Storage Support	Unlimited external storage (Micro SD, USB Drive, SSD Hard-drive)
Quick Booting	System access within 2 seconds from car start

4. Setup & Installation

The ATOTO A6Y2710SB is designed for double DIN vehicle openings. Ensure your vehicle's dashboard opening is compatible. An extra plastic frame is included to extend the unit's size to 178mm*101.5mm if needed for certain mounting frames (e.g., 174mm*98mm).

4.1. Wiring Diagram and Connections

Refer to the following diagram for proper connection of power, speakers, and external devices. It is recommended to have professional installation for complex wiring.



Figure 4.1: Rear panel of the ATOTO A6Y2710SB, illustrating the layout of power harnesses, speaker outputs, GPS antenna input, HDMI, and other auxiliary ports.

Key Connections:

- **Power Harness:** Connect to your vehicle's power supply (ACC, B+, Ground).
- **Speaker Outputs:** Connect to your vehicle's speakers.
- **GPS Antenna:** Connect the external GPS antenna for navigation functionality.
- **Wi-Fi Antenna:** Ensure the external Wi-Fi antenna is connected for optimal signal reception.
- **USB Interfaces:** Three USB ports are available for connecting USB drives, optional accessories, or for phone

mirroring.

- **Micro SD Slot:** Insert a Micro SD card for media files or DVR records.
- **Reversing Camera Input:** Connect a compatible reversing camera for rear view display.
- **AUX Audio/Video Input:** For connecting external audio/video sources.
- **RCA Audio Outputs:** For connecting to external amplifiers (4-CH) and a subwoofer (Separate Sub-woof Out).

4.2. Steering Wheel Control (SWC)

The unit supports resistive signal input for factory steering wheel controls. Consult your vehicle's wiring diagram or a professional installer to retain this functionality.

4.3. Optional Accessories

ATOTO offers various optional accessories that can enhance your experience. It is recommended to purchase and install these alongside the main unit to avoid re-installation hassles. These include:

- ATOTO AC-44P1 720P On-dash DVR Camera (USB connection)
- ATOTO AC-44P2 1080P On-dash DVR Camera (USB connection)
- ATOTO AC-44F5 Steering wheel control IR Remote
- ATOTO AC-4450 Bluetooth OBD2 tool
- ATOTO AC-4486 Rear view Camera or ATOTO AC-SC3601 Single-Camera-Based Surround View Rearview Parking System
- ATOTO AC-UTP1 USB TPMS (tire pressure monitoring system)

For a complete list and details, visit amazon.com/atoto.

5. Operating Instructions

5.1. Initial Power On and Quick Booting

After installation, turn on your vehicle's ignition. The ATOTO A6Y2710SB features a Quick Booting function, allowing the system to become accessible within approximately 2 seconds from car start.

5.2. User Interface and Navigation

The unit operates on ATOTO AICE OS, a customized Android system. Navigate through applications and settings using the capacitive touchscreen. The home screen displays frequently used apps and widgets.

5.3. Radio Operation

Access the FM/AM Radio application. Use the touchscreen to scan for stations, save presets, and view RDS information (if available).

5.4. Bluetooth Functions

The ATOTO A6Y2710SB features Dual Bluetooth:

- **Bluetooth 1 (4.2):** Supports HFP (Hands-Free Profile) for calls, HSP (Headset Profile), A2DP (Advanced Audio Distribution Profile) for music streaming, AVRCP (Audio/Video Remote Control Profile), and PBAP (Phone Book Access Profile).
- **Bluetooth 2 (4.0):** Used for connecting to Bluetooth tethering internet from your phone, or for connecting Bluetooth

gamepads, mice, or OBD2 tools.

Pair your phone via Bluetooth settings to enable hands-free calling and audio streaming.

5.5. GPS Navigation

The unit comes with Google Maps pre-installed. Connect the external GPS antenna for accurate positioning. You can download offline map data for specific areas for navigation without an internet connection. Other navigation apps can be installed from the Google Play Store.

5.6. Phone Mirroring/Casting

The preinstalled Easy-connect app supports mirroring with iOS and Android devices. Connect via USB or Wi-Fi for Android smartphones, and Air-play for iOS devices. Firmware updates may be required for compatibility with the latest devices.

5.7. Audio Settings

Utilize the built-in 9-band equalizer with 12 adjustable frequency sections to customize your audio output. The unit provides RMS 4*24W power for daily listening.

5.8. Voice Dialing

Install the "Hound" app from the Google Play Store to enable voice dialing functionality for safer driving. This feature is supported on ATOTO A6 models.

6. Connectivity

The ATOTO A6Y2710SB offers robust connectivity options:

- **Wi-Fi:** Connect to available Wi-Fi networks for internet access, app downloads, and updates. The external Wi-Fi antenna ensures stable connection.
- **Bluetooth Tethering:** Use your smartphone's Bluetooth to share its internet connection with the head unit.
- **USB:** Connect USB drives for media playback or to expand storage. The unit supports unlimited external storage devices, including SSD hard drives, provided they can be powered by the USB 500mA interface.
- **Micro SD:** Insert a Micro SD card for additional media storage or for recording from compatible DVR cameras.

7. Maintenance

To ensure the longevity and optimal performance of your ATOTO A6Y2710SB, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Firmware Updates:** Regularly check for and install firmware updates. ATOTO provides continuous firmware updates (e.g., ATOTO AICE OS 9.6 released Nov 7, 2019) to improve stability, add features, and fix bugs. Instructions for updates can be found on the ATOTO Online Customer Support System.
- **Software Management:** Periodically review installed applications and remove any unused ones to optimize system performance.

8. Troubleshooting

If you encounter issues with your ATOTO A6Y2710SB, consider the following:

- **No Power:** Check all power connections and vehicle fuses.
- **No Sound:** Verify speaker connections, amplifier settings, and volume levels.
- **GPS Signal Issues:** Ensure the external GPS antenna is properly connected and has a clear view of the sky.
- **Bluetooth Pairing Problems:** Ensure Bluetooth is enabled on both devices and they are within range. Try restarting both devices.
- **System Lag/Freezing:** Close unnecessary applications. A system restart may resolve temporary issues. Consider performing a factory reset if problems persist (back up important data first).

Important Warning:
Do not attempt to root the ATOTO A6. The system is deeply customized, and rooting will likely damage the system and void the manufacturer's warranty. Your experience with rooting standard Android tablets/smartphones does not apply here.
For further assistance, visit the ATOTO Online Customer Support System at support.myatoto.com.

9. Warranty and Support

The ATOTO A6Y2710SB comes with a manufacturer's warranty. Please note the following conditions:

- **Warranty Void:** The warranty will be void if the unit is rooted or if the warranty sticker is removed.

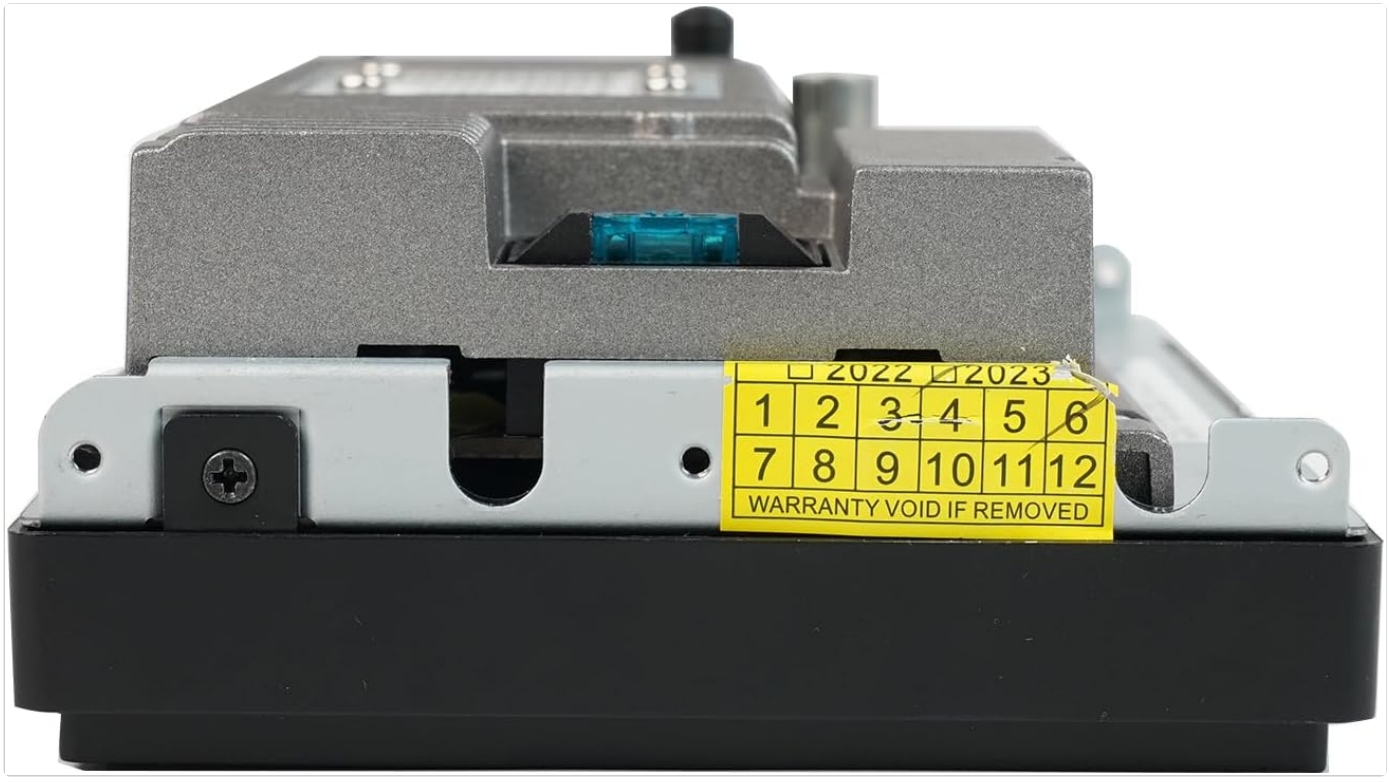


Figure 9.1: Side view of the ATOTO A6Y2710SB, highlighting the warranty sticker. Removal of this sticker will void the product warranty.

For product support, firmware updates, and accessory information, please visit:

- ATOTO Online Customer Support System: support.myatoto.com
- ATOTO Accessories on Amazon: amazon.com/atoto
- User Manual QR Code: https://www.eproductcare.com/qr/ShraHgYWZRJ2kzrd

Ask a question about this manual

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Example: How do I reset this device or fix this error?

Details

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Submit question