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ATOTO A6Y2721PR

ATOTO A6 Pro A6Y2721PR Double DIN Android Car Navigation Stereo User Manual

Model: A6Y2721PR

1. Product Overview

The ATOTO A6 Pro A6Y2721PR is a double DIN Android car navigation stereo designed to enhance your in-car entertainment and navigation experience. It features a quad-core 1.5Ghz CPU, ARM Mali-450 MP4 GPU, and runs on ATOTO AICE OS 9.x, based on Android 6.0 Marshmallow. Key functionalities include dual Bluetooth with aptX, quick charge support, an ultra preamplifier, Wi-Fi connectivity, and support for up to 256GB SD cards.

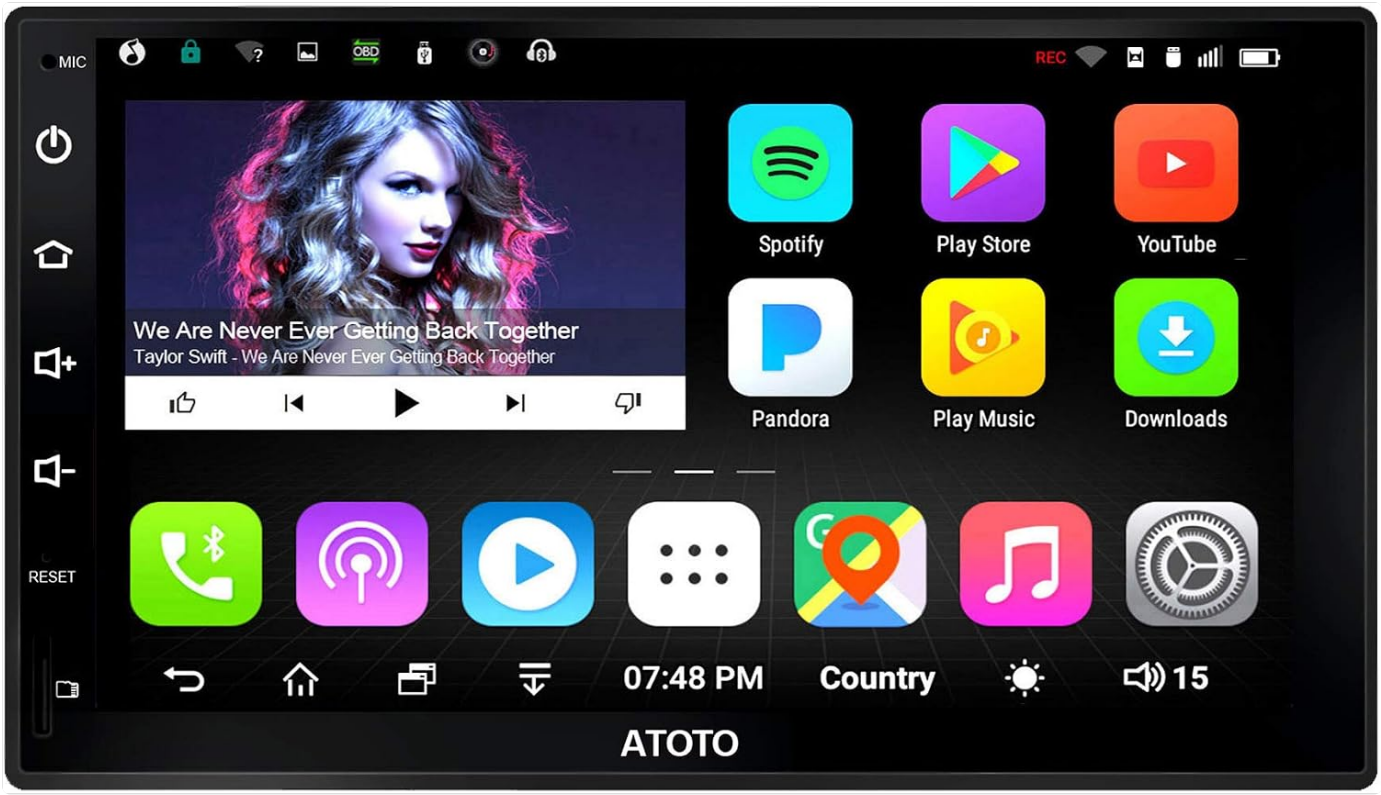


Figure 1.1: Front view of the ATOTO A6 Pro car stereo.

2. Key Features

- **SoC Chip:** MTK 8127A Soc-based Quad-core 1.5Ghz CPU with ARM Mali-450 MP4 GPU.

- **System Version:** ATOTO AICE OS 9.x (customized based on Android 6.0 Marshmallow OS).
- **Pre-Amplifier:** Built-in Max 4*49W BTL Amplifier with RMS 4*29W, supporting both 4Ω & 2Ω door speakers.
- **Equalizer:** Preset 9-band EQ with 12 section adjustable frequency.
- **Bluetooth:** Dual Bluetooth (BT1 5.0 & BT2 4.0). Bluetooth1 is Qualcomm Bluetooth 5.0 with aptX feature, supporting HFP/HSP/A2DP/AVRCP/PBAP.
- **Radio Tuner:** Built-in FM/AM Radio Tuner with RDS (station name displayed if available).
- **Display:** Full HD 7" 1024*600 5-Touch Capacitive Touchscreen with ultra-high brightness 1000cd/m2.
- **GPS/Navigation:** Built-in GPS Receiver module with external GPS antenna. Google Maps is pre-installed, and other map/navigation apps can be installed from Google Play Store.
- **Phone Mirroring/Casting:** Easy-connect app preinstalled, supporting latest iOS & Android devices via USB/WiFi (Android) or Air-play (iOS).
- **WiFi/Microphone:** Built-in microphone & Ultra external Wi-Fi antenna. Premium versions include an external microphone.
- **Inputs/Outputs:** Reversing camera input, AUX Audio/Video input, 4-CH RCA Audio Out (2v), Separate Sub-woof Out (0.8v), One Micro SD slot, 3 USB interfaces.

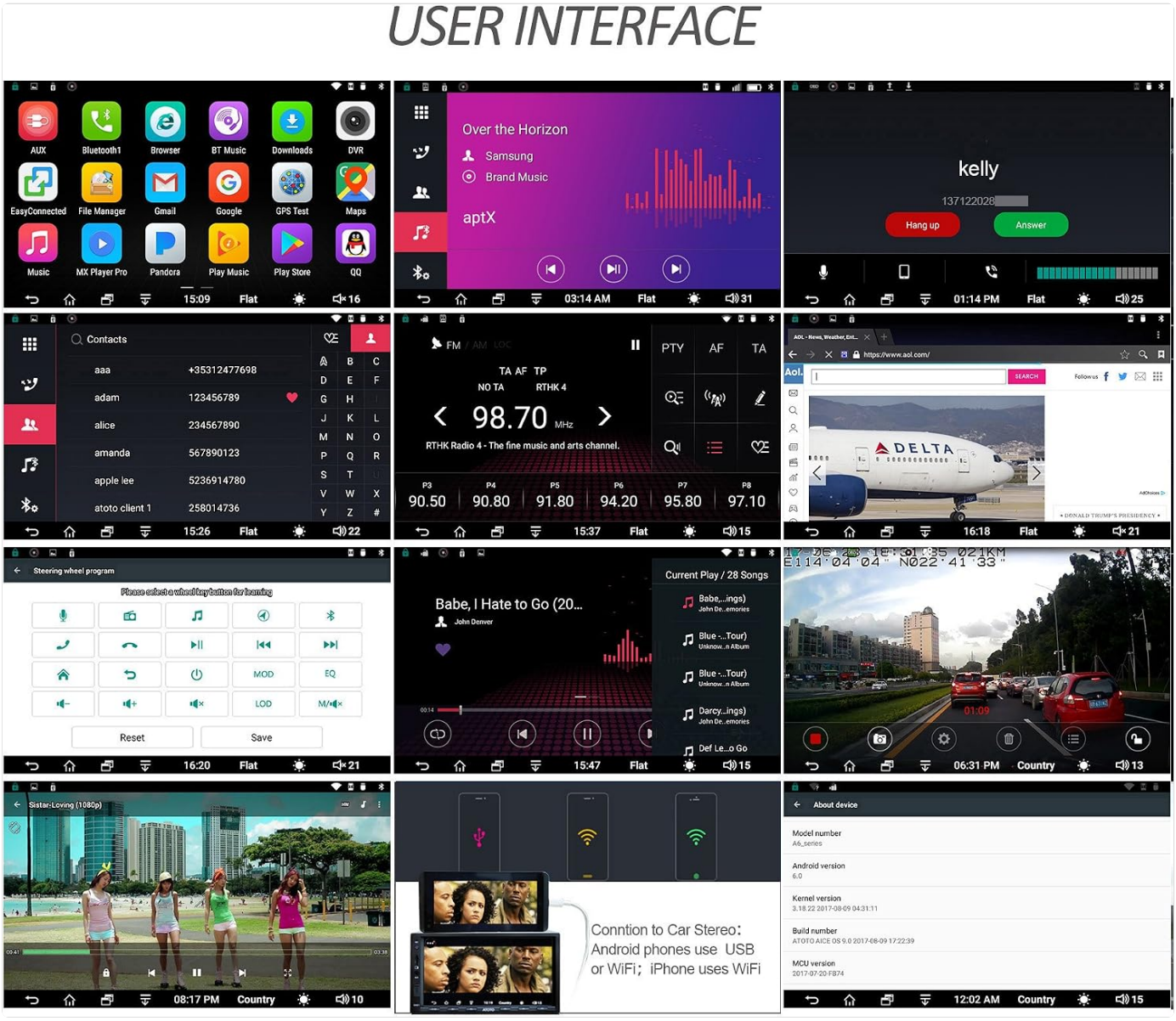


Figure 2.1: Various user interface screens and functionalities.

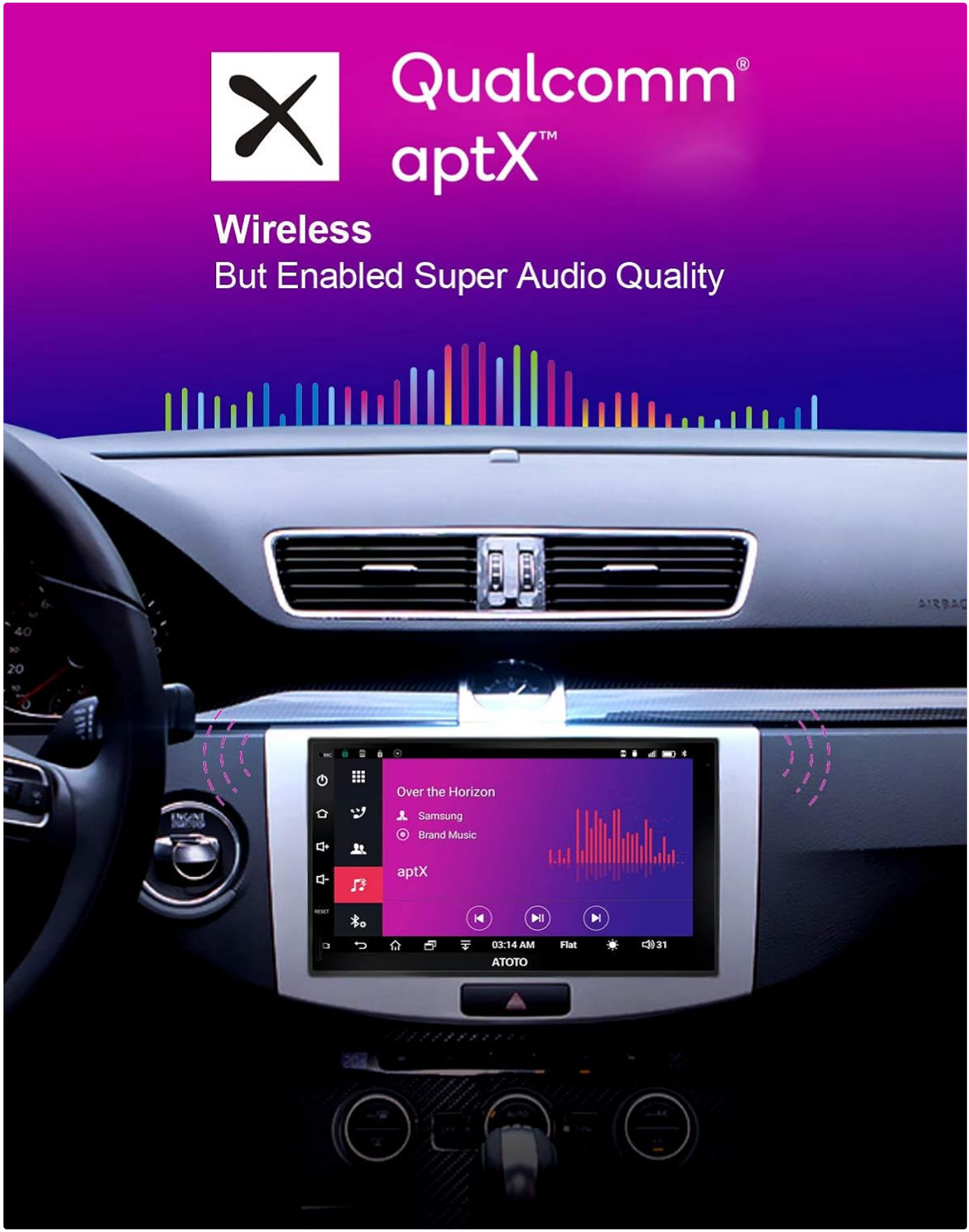


Figure 2.2: Qualcomm aptX for enhanced wireless audio quality.

3. Setup and Installation

The ATOTO A6 series is designed for double DIN vehicle fitment. It offers various front panel sizes (173mm*97mm, 178mm*101.5mm, 205mm*104mm, 8in VW specific, and Ultra 10.1inch) to accommodate different dashboard mounting

frames. An extra plastic frame is included to extend the size to 178mm*101.5mm if needed. Ensure proper wiring connections as detailed in the wiring diagram.

3.1 Wiring Connections

Carefully connect the power cable, USB interfaces, GPS antenna, and WiFi antenna as per the provided wiring diagram. Ensure all connections are secure before powering on the unit.

Comparison Table of ATOTO A6 Series

Model Name	A6Y2710SB	A6Y2710S	A6Y2721PB	A6Y2721P	A6Y1010P	A6YYY710S	A6YYY721P	A6YYY721PR	A6YVV710PB	A6YVV821P	A6YVV721PRB	A6Y1021PR	A6Y2721PR	A6Y2721PRB	A6Y2721PR-G	A6Y2721PRB-G
Product Version	Standard	Standard	Premium	Premium	Premium	Standard	Premium	PRO	Premium	Premium	PRO	PRO	PRO	PRO	PRO	PRO
Inner Memory	16G	16G	2G	2G	16G	16G	2G	2G	16G	2G	2G	2G	2G	2G	2G	2G
Inner Storage	16G	16G	32G	32G	16G	16G	32G	32G	16G	32G	32G	32G	32G	32G	32G	32G
Screen Size	7inch	7inch	7inch	7inch	10.1inch	7inch	7inch	7inch	7inch	8inch	7inch	10.1inch	7inch	7inch	7inch	7inch
Panel Operation	Horizontal Physical Button	Left Touch Button	Horizontal Physical Button	Left Touch Button	Touch Button + Knob	Left & Right Touch Button	Left & Right Touch Button	Left & Right Touch Button	Physical Buttons on both sides	Left Touch Button	Physical Buttons on both sides	Touch Button + Knob	Left Touch Button	Horizontal Physical Button	Left Touch Button	Horizontal Physical Button
Vehicle Fit	Universal 2 Din	Universal 2 Din	Universal 2 Din	Universal 2 Din	Universal 2 Din with 10.1in display stands out	Toyota/Subaru specific 2 Din	Toyota/Subaru specific 2 Din	Toyota/Subaru specific 2 Din	VW/Skoda specific 2 Din	VW/Skoda specific 2 Din	VW/Skoda specific 2 Din	Universal 2 Din with 10.1in display stands out	Universal 2 Din	Universal 2 Din	Universal 2 Din	Universal 2 Din
Front Panel Size(mm)	173*97	173*97	173*97	173*97	170*97/261*154	205*104	205*104	205*104	---	---	---	170*97/261*154	173*97	173*97	173*97	173*97
Adaptive mounting frame brands	MORE	MORE	MORE	MORE	MORE	---	---	---	---	---	---	MORE	MORE	MORE	MORE	MORE
Quick Charge	×	×	√	√	√	×	√	√	√	√	√	√	√	√	√	√
Extra Microphone	×	×	√	√	√	×	√	√	√	√	√	√	√	√	√	√
Protective Film	×	×	√	√	×	×	√	√	×	√	√	√	√	√	√	√
Front Port available	SD, USB, AUX	SD	SD, USB, AUX	SD	SD, USB, AUX	SD	SD	SD	SD	SD	SD	SD, USB, AUX	SD	SD, USB, AUX	SD	SD, USB, AUX
Total USB Connection	3 connections	2 connections	4 connections	3 connections	4 connections	2 connections	3 connections	3 connections	3 connections	3 connections	3 connections	4 connections	3 connections	4 connections	3 connections	4 connections
Bluetooth 1 Version	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 4.2 & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0	BT1 5.0 with apt-X Feature & BT2 4.0
Display screen type	HD LCD Screen	HD LCD Screen	HD LCD Screen	HD LCD Screen	HD LCD Screen	HD LCD Screen	HD LCD Screen	Ultra 1000cd/m2 screen	HD LCD Screen	HD LCD Screen	Latest IPS Screen	Latest IPS Screen	Ultra 1000cd/m2 screen	Latest IPS Screen	Ultra 1000cd/m2 screen	Latest IPS Screen
Hands Gesture Control	×	×	×	×	×	×	×	×	×	×	×	×	×	×	√	√
WiFi Band Supported	2.4Ghz	2.4Ghz	2.4Ghz	2.4Ghz	2.4Ghz	2.4Ghz	2.4Ghz	2.4Ghz & 5Ghz	2.4Ghz	2.4Ghz	2.4Ghz & 5Ghz	2.4Ghz & 5Ghz	2.4Ghz & 5Ghz	2.4Ghz & 5Ghz	2.4Ghz & 5Ghz	2.4Ghz & 5Ghz
Numbers of Video IN/OUT*	1*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	2*Video In, No Video out	1*Video In, No Video out	1*Video In, No Video out	2*Video In, No Video out	2*Video In, No Video out	2*Video In, No Video out	2*Video In, No Video out	2*Video In, No Video out	2*Video In, No Video out
MSRP Price																

1.All A6Y2xxx models have included "Frame 1" to turn it into front panel 178mm*101.5mm. In addition, A6Y2xxx models provided for EU market have included **extra** "Frame 2" to turn it into front panel size larger 188mm*116mm.
2.Most American mounting frame brands(Metra,PAC etc) have 174mm*98mm opening, but most European brands(connects2,etc) may provide 178mm*102mm instead. So check carefully before purchasing!
Numbers of Video IN/OUT --- here reversing camera input is not included, as it is nessary for each model;

Figure 3.1: Detailed wiring diagram and included components for installation.

3.2 Package Contents and Dimensions

Verify all components are present before beginning installation. The package includes the main unit, power cable, USB cables, GPS antenna, WiFi antenna, external microphone, installation brackets, screws, and screen protectors. Refer to the dimensions for proper fitment in your vehicle's dashboard.



Figure 3.2: Package contents, product dimensions, and installation frame details.

4. Operating Instructions

4.1 Internet Connectivity

The ATOTO A6 Pro offers multiple ways to access the internet, including Wi-Fi and Bluetooth tethering. The unit features an ultra external Wi-Fi antenna for strong signal reception.



Figure 4.1: Illustrates Wi-Fi and Bluetooth tethering options for internet access.

4.2 Steering Wheel Control and Quick Charge

The unit supports wireless steering wheel controls (optional accessory required) for convenient operation while driving. It also provides a USB quick charge port (Peak current can reach 2A) for charging compatible devices.

Wireless steering wheel controller, designed only for ATOTO Android in-car entertainment



The ATOTO wireless steering wheel controller plus the IR signal transmitting plug are sold separately

SWC signal receiving end

SWC signal transmitting



Charging the phone or other devices through the stereo's USB quick charge port (Peak current can reach 2A)

The charging speed is determined by the smartphone brands and the charging protocol inside the phones. Most smartphones could be charged with1.2-1.6A current and could be charged fully within 2-3 hours.

Figure 4.2: Depicts the wireless steering wheel controller and the quick charge feature.

4.3 Voice Dialing

For safer driving, users can download and install the "Hound" app from the Google Play Store to utilize voice dialing features on the ATOTO A6. This feature is currently supported only on ATOTO A6 models.

5. Maintenance

To ensure the longevity and optimal performance of your ATOTO A6 Pro, follow these general maintenance guidelines:

- Keep the touchscreen clean using a soft, lint-free cloth. Avoid abrasive cleaners.
- Ensure proper ventilation around the unit to prevent overheating.
- Regularly check for and install system firmware updates to benefit from new features and performance improvements.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

6. Troubleshooting

If you encounter issues with your ATOTO A6 Pro, consider the following common troubleshooting steps:

- **No Power:** Check all power connections and vehicle's fuse box.
- **No Sound:** Verify speaker connections, amplifier status, and audio settings on the unit.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Connectivity:** Ensure Bluetooth is enabled on both the unit and your device. Try re-pairing the devices.
- **Slow Performance:** Close unnecessary background applications. Ensure sufficient storage space.

For more detailed troubleshooting or persistent issues, please visit the official ATOTO support website: support.myatoto.com.

7. Technical Specifications

Specification	Value
Manufacturer	ATOTO
Brand	ATOTO
Item Weight	1.13 ounces (32 Grams)
Package Dimensions	10.24 x 9.09 x 6.06 inches
Item Model Number	A6Y2721PR
Manufacturer Part Number	A6Y27XXP
Special Features	Built-In Bluetooth
Connectivity Technology	Wi-Fi
Controller Type	Android

Compatible Devices	Smartphone
Connector Type	3.5mm Jack, RCA, USB
Audio Output Mode	AUX, Speaker, Stereo
Video Encoding	RM
Output Power	49 Watts
Date First Available	August 9, 2018



Figure 7.1: Comparison table of ATOTO A6 series models.

8. Warranty and Support

ATOTO provides customer support and warranty services for its products. Please note that attempting to root the ATOTO A6 system is not covered by the manufacturer's warranty, as it can damage the system due to deep customization.
For any inquiries, technical assistance, or warranty claims, please contact ATOTO customer support through their official website:

Visit ATOTO Support Website

Newer system firmware (ATOTO AICE OS 9.6) for A6 Series was released on November 7, 2019, adding features like voice assistant wake-up via Bluetooth and automatic screen unlock. Owners can log in to the ATOTO Online Customer Support System to get update instructions.

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