

Version Serial No.: AT62018002A



ATOTO

Different • Better • Reliable



Owner's Manual
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Thank you for purchasing the ATOTO Android in-car entertainment system!

Please read through these instructions so you will know how to operate your system properly. After you have finished reading the instructions, keep this document in a safe place for future reference.

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Appendix

Output&Input	USB: USB2.0 USB1.1
	RCA: 4*RCA
	AUX-IN: 1*Video(CVBS) 2*Audio
	Rear View Camera: 1*CVBS
Packing list	
Packing List	2*USB Cable
	1*Power Cable
	1*User Manual
	1*GPS Antenna
	2*Installation bracket

ATOTO accessories (sold separately) for A6 series



Volkswagen specific power harness Nissan specific power harness Toyota specific power harness



ATOTO USB Dash Board Camera



ATOTO HD Waterproof License Plate Rear View Camera



ATOTO HD Waterproof Rear View Camera



ATOTO Wireless Steering Wheel Controller



ATOTO Bluetooth OBDII/OBD2 Car Diagnostic Scanner



USB DAB* Box

Specifications	
Part	Specifications
Operating System	Based on Android 6.0
CPU	CPU:Quad-core ARM® Cortex-A7 MPCore™ (1.5GHz)
GPU	Mali-450
Memory	RAM:1GB/2GB Internal Memory 16GB/32GB External Memory Micro-SD card slot: up to 256GB
Display	Size(inch): 6.2inch to 10.1inch Resolution:HD(1024*600P)
Radio	USA: FM:87.5~107.9MHz step:200kHz AM: 530~1710KHz step:10kHz Europe: FM:87.5~108MHz step:50kHz AM:522~1620KHz step:9Khz Japan: FM:76~90MHz step:100Khz AM:522~1629Khz step:9Khz
Bluetooth (Version 4.0)	Supported:HFP,HSP,A2DP,AVRCP,PBAP Phonebook Sync Limit: Unlimited Bluetooth Music Spectrum: Yes
DSP Acoustics	Private Mode: Yes Automatic Answer Hold Time: 8S~10S IC Brand:TDA Acoustics 9 Bands:Flat Jazz Country Soft Classical Natural Dance Rock Pop
Built-in amplifier	Built-in Max4*50W Amplifier with RMS 4*24W(Vcc=14.4v) 4*25W RMS R=4Ω 1KHz SPK

RCA Output	2V 1KHz R=10K Ω
Audio	Audio decode: WAV, MP3, MP2, FLAC, APE, AAC, AMR-NB, AMR-WB, MIDI, Vorbis, APE, AAC-plus v1, AAC-plus v2, FLAC, WMA, ADPCM
Video	- HEVC decoder: Main profile 1080p @30fps/40Mbps - H.264 decoder: Baseline 1080p @30fps/40Mbps - H.264 decoder: Main/high profile 1080p @30fps/40Mbps - MPEG-4SP/ASP decoder: 1080p @30fps/40Mbps
WiFi Network	WiFi:802.11 b/g/n
GPS	Supports GPS/QZSS/SBAS (WAAS/MSAS/EGNOS/GAGAN) Position Ability: -163 dBm hot start sensitivity -148 dBm cold start sensitivity -151 dBm warm start sensitivity Full A-GPS capability (E911/SUPL/EPO/HotStart) GPS Time Transfer: Yes

Checking part names and its functions



(1) The built-in microphone is for Bluetooth calling and voice command. An optional external microphone is also available but is generally not needed.

ATTENTION:

- The external microphone is suggested to be mounted near the driver.

(2) Touch once to mute the system sound, press and hold it for 3 seconds to power off the unit.

Touch to go back to the previous, or touch it to exit an app.

Touch to volume up or down.

ATTENTION:

- The touch button assignment may vary on different model. For example, some models have song previous or next buttons.

(3) The Reset button is accessed by inserting a paper clip into the small hole where indicated.

CAUTION: Resets will cause a loss of user selected system settings.

The system may be reset under the following conditions:

- If the product fails to work properly.
- If there is a problem with the operation of the system

(4) With its exposed contacts facing to the right insert the micro SD card deep enough until it locks. To eject it, push it deeper until it unlocks it.

(5) The touchscreen is capacitive with multi-touch function. ATOTO offers different sizes of touchscreen on different models from 6.2inches to 10.1inches.

ATTENTION:

Do not use pointed stuff to operate it or push the touchscreen by force.

(6) ATOTO offers different sizes of universal double din to fit different installation frames. The most common faceplate sizes are 173X97mm, 178X101mm, 180X100mm. If you encounter a size problem, please contact ATOTO support team for help by email support@myatoto.com.

Important safety information

1. The product is based on the Android operating system redesigned for application in automotive vehicles. Any user who experiences working problems with the 3rd part APP or any other part is invited to contact his or her ATOTO dealer or write to support@myatoto.com.
2. Do not attempt to install or service this product by yourself unless you are qualified. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
3. Do not allow this product to come into contact with liquids. Damage to the product, smoke, and overheating could result from contact with liquids.
4. If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch off (ACC OFF) immediately and consult your ATOTO dealer. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
5. If you notice smoke, a strange noise or odor from this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your ATOTO dealer. Using this product in this condition may result in permanent damage to the system.
6. Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult ATOTO dealer for internal inspection, adjustments or repairs.
7. Do not install or operate the system in a damp environment or allow it to get wet.
8. To protect the LCD screen from damage, to touch screen only with your finger or a soft-tipped stylus.

● Future updates

Functional product improvements are planned for release in future software updates at no additional charge (refer to page 18 for details)

● To avoid battery discharge

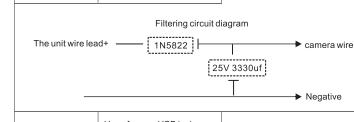
Be sure to run the vehicle engine while using this product. Using this product without running the engine can drain the battery.

Problems	Reasons	Solutions
Steering wheel control is not working.	The connection of steering wheel wire is not connected or improperly connected.	Possible connection methods: Key plus GND or Key* plus GND or Key* plus GND plus GND (The vehicle has two keys) or combine Key Key* plus GND (The vehicle has one key).
Steering wheel control is not working	The original car steering wheel is not working by CANBUS signal and not supporting universal analog steering wheel or the third party steering wheel interface is incorrectly connected, or the programmed content is lost.	Report your car make, model year or the brand of the third-party steering wheel interface to ATOTO support team, or reprogram the steering wheel in the default setting of system setting.
It pops up security warnings or credentials when browsing a website	The system date and time is not correct	Set the correct date & time and try again after 20 minutes
APK can't be installed	The unknown sources and APP permission is not enabled in security setting	Enable the unknown sources and APP permission in security setting
WiFi data can't be streamed	WiFi is switched off	Switch on WiFi in system setup

Troubleshooting

Problems	Possible reasons	Solutions
The installation kit, especially the micro SD card, does not fit in the product and the dashboard.	Different vehicles may require different size of micro SD card and different adaptors.	Check the car make, model year and its specification on Google and find the corresponding installation kit, or turn to support for help.
The app and its data can't be moved to the external micro SD.	The Android 6.0 or higher version has this function to move its app and data to external SD, which could cause the system instability.	ATOTO drives on the built-in flash storage disk, which can install apps and store its data. ATOTO also provides built-in 32G flash as an option for users who needs more storage.
The preinstalled map doesn't work when the network is not enabled.	The offline map data has not been downloaded.	After network connection is enabled, go to the map setting menu on the map and choose the right geographical to download.
I can't use maps other than the preinstalled Google maps.	The map may need to be purchased before using.	A6 series supports all the maps downloaded from Google play. Some maps from other sources such as Google map and HereWeGo. Some maps need to be purchased before using after the trial days.
There is no front camera.	ATOTO doesn't provide front camera accessories standard with its product.	There are two ways to obtain front cameras: 1-ATOTO USB dashboard camera (Sold separately). 2-Auxiliary from the back RCA, the camera must work separately from the unit and only display the video image via the unit aux app.
The micro SD can't be inserted.	User may have the card turned around to the wrong side before fit it into the micro SD product slot, or need to push the card in deeper.	Check the micro SD card side. The bare terminal contacts need to be on the right side for insertion. Push the micro SD deep enough until the dock can detect.

Problems	Reasons	Solutions
The reverse view image is not stable.	The reverse-view signal is interfered with by another signal.	Add filtering circuit (diode: 1N5822 Capacitor: 25V 3330uF) to reverse camera wire.
USB Dash cam is not working.	User of wrong USB jack or no storage card or hot swapping, or use of other brand dash cam rather than ATOTO's.	Use ATOTO suggested USB jack or find storage card and try again, or exit DVR app and try again, or buy ATOTO dash cam and try again.



Precautions

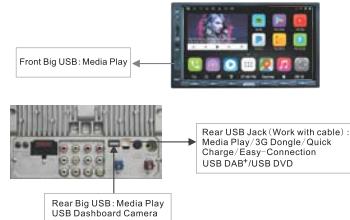
⚠ Warning!

Do not install this product in a vehicle that does not have an ACC wire or circuitry available.

● Accessories (sold separately)

All accessories used with this product must be supplied by ATOTO to assure correct system performance. The accessories from other brand may work abnormally on the ATOTO product. Missing the accessories do not affect basic product performance.

● USB function illustration



The USB quick charge port provides two modes of charging:

Standard charge: When standard charge is enabled, the charging current is less than 1A. The data transmitting through USB will not be affected. All USB ports other than the Quick Charge port, see below, provide standard charge.

Quick charge: When quick charge is enabled, the charging peak current can reach up to 2A. Simultaneously the data transmitting through the USB port is cut off, which causes apps like Easy-Connect to fail to work. Quick charge reaching 2A of current depending on whether or not the connected phone or its charging cable support this feature.

Basic Operation

● Main Menu

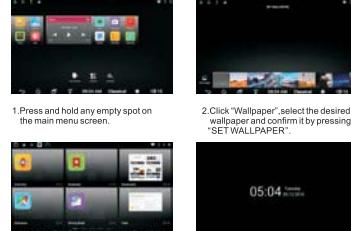


1. Radio widget. Touch right or left arrow buttons to change stations going forward and backward. Touch to turn station on or off.
2. Shortcut apps can be created or erased.
3. Shortcut apps become larger than those above. They too can be created or erased.
4. Touch to access additional apps.
5. Touch to go back to the previous screen or menu
6. Touch to go back to the main menu
7. Touch to display your most recently selected apps or shortcuts.
8. Touch to display shortcuts and recent notifications.
9. Touch to shift among 9 preset sound effects.
10. Touch to adjust the screen brightness to your choice of three levels.
11. Touch to turn the sound on or off.

ATTENTION:

- Widgets can be created only when the app allows widgets. They can be dragged to any desired position in the upper part of the main menu.
- Widget size can be customized.

How to customize main menu screen.



Repeating Step 1 above, Click "Widget" and select the desired widget(icon). On the main menu or additional page of shortcuts, press and drag the new widget to any desired position.

Standby Mode
(The screen saver can be replaced by some apps which support daydream function.)

Troubleshooting

● Main Menu

Problems	Possible reasons	Solutions
The WiFi connection is in saved status and not connected.	The unit is not detecting correct MAC address right now.	Reset or restart the unit to detect again.
Download speed is slower than normal even if the WiFi is well connected.	The WiFi signal goes weak at this moment or sometimes apps are consuming huge data now or the system network meet a problem.	Reconnect WiFi or reset or restart the unit or change another location to try the mobile network.
For every time start-up, It takes about 20 seconds not 2 seconds.	Wrong power harness connection.	Check the power harness connection, especially the port B+, ACC and GND. Refer to page 19 and 20 for detailed connection.
The product screen flashes and then goes blank, can't start any more.	The connection problem, which could be that the ACC wire is not connected to ignition wire.	Check to see whether the ACC wire is correctly connected. Refer to page 19 and 20 for detail connection section herein.
The touch screen is cracked or broken.	The screen is pushed hard while in installation.	Turn to ATOTO dealer or email to support@atoto.com to order a replacement screen.
An app found in app store but can't be installed, it shows device not compatible.	The app has two versions: phone version can't be installed in tablet version.	Find tablet version for the apps
The audio or video file can't be played by the built-in player. But can be played by MX player.	The formats are not compatible with the unit.	Find another player in the app store, that can play the formats. ATOTO built-in player can only play free copyright files.

Problems	Possible reasons	Solutions
The screen image can't be shifted when the vehicle reverses.	The signal wire for reverse light status is not connected, or the rear view camera is not compatible with the unit.	The camera signal wire must be connected to the back car wire of the power harness. If not compatible, it is recommended that an ATOTO rear view camera be used (Sold separately).
The rear camera image is abnormal and reversed from right to left.	The rear view camera is not compatible with the product.	Switch on or off the <image reverse> for rear camera in default setting of system settings to change image direction.
The Easy-Connect app cannot go to next step while making connection.	The USB debug is not enabled or the drive mode APK is not installed successfully.	Enable USB debug in Developer settings and confirm the drive mode APK installation in the pop up the dialogue box.
There is no sound from the speakers while in Bluetooth call.	The hands-free call is mute or the listening position is not in center in the sound setting or the speaker wire is not connected, especially the front speaker wires.	Switch on Bluetooth call in sound setting, or adjust the listening position to the center in the sound setting or the speaker wire is not connected, especially the front speaker wires.
The sound of some speakers is lower than normal or sounds insufficient.	The listening position is not in center or the speaker wire is incorrectly connected, or the vehicle has an amplifier, the power output obtained from RCA audio out (the voltage is 2V), which can damage the amplifier within its endurable range.	Adjust the listening position to the center in sound setting or double check the speaker wire connection or the amplifier sound must be obtained from the power wire of power harness. The line out converter must be applied.

Troubleshooting

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact support department directly by the email at support@myatoto.com.

Problems	Reasons	Solutions
Problems with first start-up.	Wrong power cable connection.	Check the wire B+ /ACC GND connection.
	The fuse is burned out	Install a new 10A fuse at the back of the unit.
The screen is not responsive to touch.	The unit is in reverse camera live status.	Change gears out of reverse.
	It is caused by unknown apk.	Reset the system.
No sound.	The unit is mute.	Cancel mute status.
	The speaker negative wire lead is connected to the metal parts of the car's body.	Reconnect the speaker negative wire lead to the power cable negative speaker wire of the unit.
There are no radio stations.	Switch on the system sound. If the car comes with an amplifier, offer details, such as car make, model, and the car's original amplifier model, after-market amplifier model or even the accessories used on the amplifier etc to the email: support@myatoto.com. ATOTO support team will respond and give professional solutions as soon as possible.	Switch on the system sound. If the car comes with an amplifier, offer details, such as car make, model, and the car's original amplifier model, after-market amplifier model or even the accessories used on the amplifier etc to the email: support@myatoto.com. ATOTO support team will respond and give professional solutions as soon as possible.
	The radio antenna is not connected or the active radio antenna is not powered, or use TA to search FM or AM stations.	Check the interference connection, connect the active radio antenna wire to auto-ANT of the power harness, or switch off TA function and search the stations again.

Basic Operation

How to operate the Dropdown Menu.



SPEED UP: To clear your cached data.

_SOUND: To enter sound setting menu.

SEETINGS: To enter the system setting menu.

WLAN: To switch WiFi on or off. Press and hold it to enter WiFi setting menu.

STANDBY: To enter the daydream mode.

RESTART: To pop up dialogue box for selecting to restart

BLUETOOTH: To switch Bluetooth on or off. Press and hold it to enter Bluetooth setting menu.

SCREENSHOT: Touch it to capture the current screen menu.

NOTIFICATIONS: Touch it to clear all the notifications.

How to operate Navigation.



There is built-in GPS module in the product, which works with maps. Users can install maps on micro SD card and insert it into the product's SD slot. Then run the map as the map instruction shows.

ATOTO preinstalled Google online map, which requires the product enabled network. Users can download Google offline map data according to the district.

(1) Touch to enter into navigation.

(2) Touch to exit, and touch to run the map app on background.

(3) Go to the map setting menu to download offline map data when the unit network is enabled.

ATTENTION:

• Normally the Google offline map data is more than 1G, whose downloading will consume much data. If users would like to save some data, it is recommended to buy ATOTO power adapter(AC-10V1 or AC-10V2) to open the unit at home and use home WiFi to finish offline downloading.

• The GPS TTS voice and media sound are mixed in the system, and GPS voice has the priority. For example, when playing a media song, GPS map TTS voice comes out, the media sound will be turned down simultaneously, after it, the media sound will go back to normal. If users do not like the media sound to be interrupted, they can mute the GPS TTS voice on the map by map setting.