

Version Serial No.: AT62018002A



ATOTO

Different • Better • Reliable



Owner's Manual
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Contents

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



Volkswagon 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 TM (1.5GHz)
GPU	Mali-450
Memory	RAM:1GB/2GB
	Internal Memory 16GB/32GB
Display	Size(inch): 6.2inch to 10.1 inch
	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 (Version4.0)	Supported:HFP,HSP,A2DP,AVRCP,PBAP
	Phonebook Sync Limit: Unlimited
	Bluetooth Music Spectrum: Yes
	Private Mode: Yes
DSP Acoustics	Automatic Answer Hold Time: 8S-10S
	IC Brand:TDA
Built-in amplifier	Acoustics 9 Bands:Flat,Jazz,Country,Soft,Classical,Natural,Dance,Rock,Pop
	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
WiFi Network	- H.264 decoder: Main/high profile 1080p@30fps/40Mbps
	- MPEG-4 SP/ASP decoder: 1080p @30fps/40Mbps
GPS	WiFi: 802.11 b/g/n
	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/HotStall)
	GPS Time Transfer: Yes

Checking part names and its functions

(1) Built-in Mic ←

(2) Touch buttons ←

(3) Reset button ←

(4) Micro SD slot ← The micro SD read-side must be on right while inserting it.

(5) Display touchscreen

→ (6)

(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 vehicle. 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 Key+ 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 control is working by CANBUS agreement 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

Problems	Possible reasons	Solutions
The speakers produce static.	The car comes with an amplifier. The speaker wire voltage of the power harness is ±6V and if the amplifier wire voltage is lower, it needs a line out converter to bridge them, both a low-quality converter or no converter may produce static sound.	Find a line out converter, or change to a better quality line out converter.
The car ACC and B+ wire can't be found.	Some old vehicles didn't label it.	Use multi-meter to measure it, or search the car stereo information on google. Or turn to ATOTO support for help.
The frequency of the radio changes while playing a station.	The AF function is switched on, which keeps searching for stronger frequency for the same station.	Switch off AF function.

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Troubleshooting

Problems	Possible reasons	Solutions
The installation kit, especially frame, does not fit the product and the dashboard.	Different vehicles may require different size of frame and different adaptors.	Check the car make, model, year and it's 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 divides all the built-in flash into one disk, which can install apps and store its data. ATOTO also provides built-in 32G flash as an option for users who needs more space.
The preinstalled map doesn't work when the network is not enabled.	The offline map data has not been downloaded.	After the WiFi 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 store. Some maps are free, 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-Aux video-in 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 to insert into the micro SD product slot, or needs 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 or push the micro SD deep enough until the deck can clasp it.

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:
Filtering circuit diagram The unit wire lead+ 1N5822 25V 3330uf camera wire+ Negative		
USB Dash cam is not working.	Use 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 a storage card and try again, or ext DVR app and try again, or buy ATOTO dash cam and try again.

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Precautions

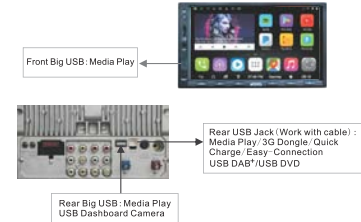
Warning!

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.

● Main Menu



1. Radio widget . Touch right or left arrow buttons [◀▶] 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.



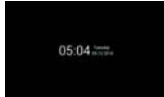
1. Press and hold any empty spot on the main menu screen.



2. Click "Wallpaper", select the desired wallpaper and confirm it by pressing "SET WALLPAPER".



Repeat Step 1 above. Click "Widgets" 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.



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

Problems	Possible reasons	Solutions
The WiFiconnection 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 some other 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 2seconds.	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@myatoto.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 reversed 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 incorrectly connected, especially the front speaker wires.	Switch on Bluetooth call in sound setting, or adjust the listening position to the center in sound setting or double check the speaker wire connection and make sure the front speaker wires are connected to the front wire of the power harness.
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 amplifier sound is obtained from RCA audio out (the voltage is 2V), which can't power 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 speaker wire of power harness. The line out converter must be applied.

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 view 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.
	The system sound is mute or the car comes with an amplifier that is not correctly connected.	Switch on the system sound. If the car comes with an amplifier, offer details, such as car make, model year, original car 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.
There are no radio stations.	The radio antenna is not connected, or the active radio antenna wire to auto-ANT of the power harness, or use TA to search FM or AM stations.	Check the radio antenna connection, or connect the active radio antenna wire to auto-ANT of the power harness, or switch off TA function and search the stations again.

Problems	Reasons	Solutions
Radio station is noisy.	The radio signal is interfered by the same frequency from other device.	Stop the device and try again.
The phone's Bluetooth can't be connected to the product.	The phone is not compatible to the unit or the communication between the two Bluetooth goes wrong.	Email the phone exact model number to support@myatoto.com, or switch on or off the phone and the product Bluetooth to try the connection again and also make sure the phone Bluetooth is set to visible status.
Problem with Bluetooth phonebook download.	Access to the smartphone's phonebook is denied accidentally by incorrect operation.	Enable access to the smartphone's phonebook again by reconnect.
Bluetooth music can't be streamed.	The smartphone's music player is not opened, or the Bluetooth and WiFi hotspot is connected at the same time and sometimes they both send same frequency, which will interfere each other.	Open the smartphone's music player or reconnect both devices and try again.
Problems with GPS and the map cannot run.	Wrong connection steps (connect power cable and then GPS antenna/damaged the GPS antenna).	Change GPS antenna (Connect power cable and then connect the GPS antenna).
	The GPS signal is interfered with other device.	Stop the device interference.
	Wrong GPS antenna placement causes GPS signal reception problem. The GPS signal is weak because of the tall buildings.	Place the GPS antenna on the suggested place, such as A pillar or dashboard near windshield. Move the car to an unobstructed open place.

● 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 ff. Press and hold it to enter Bluetooth setting menu.

SCREENSHOT: Touch it to capture the current screen menu.

NOTIFICATIONS: Touch  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.