



System Operation Manual

F7 WE (Universal Fit or Vehicle Specific)

Updated information (the latest instruction manual, system updates, new functions, etc.) is available from <https://www.myatoto.com>

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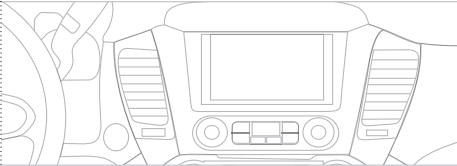


Manufacturer:Shenzhen Aotule Electronics & Technology Co.,Ltd
<https://www.myatoto.com> support@myatoto.com
3B-1204,Tiananyungu, Bantian St, Longgang District, Shenzhen, China 518000

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Before Use

- This manual is applicable to all ATOTO F7 models. Some functions mentioned in certain chapter of this manual is only available on selected ATOTO F7 models. New released F7 models may have extra functions that are not mentioned in this user manual.
- More information about panel operation, wiring connection and installation, as it relates to specific F7 models, please refer to specific documentation included in the package;
- The information in this manual may be insufficient. If you have any questions or problems concerning your unit that are not covered in this manual, consult your ATOTO dealer.
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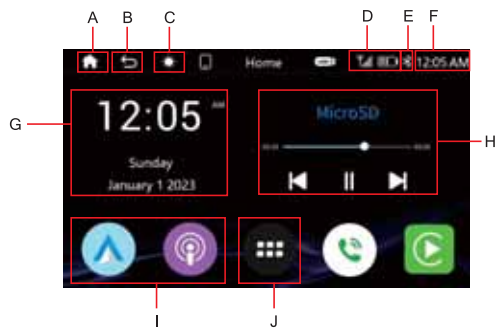


Content Index

Content Index

1.Home Menu-----	01
2.Phone Link - Apple CarPlay, Android Auto, AutoLink-----	02
3.Radio-----	08
4.Bluetooth-----	10
5.Mobile Media Playback (USB / MicroSD)-----	12
6.A/V in-----	13
7.Rear Camera/Front Camera Connection-----	13
8.Settings-----	17
9.Capabilities Expansion-----	22
10.Appendix (Product Specifications)-----	26

1.Home Menu



[Figure 01]

A	Return to Home Menu
B	Exit the current display, or turn off the audio source
C	Screen Brightness Adjust. There are 3 levels available. Double-tapping the brightness icon in the status bar can turn off the screen and display a black screen. To turn on the screen, simply tap anywhere on it.
D	Phone signal & battery indicator (Bluetooth connection) When the phone battery is lower than 30%, the phone signal may turn red.
E	Bluetooth Connection status indicator
F	System time
G	Date & Time
H	Media Widget. The current active audio source will be applied here
I	Main function options: Android Auto, Radio, Mobile Media Player, and CarPlay.
J	Menu List: All system options are listed here; On selected F7 models, the app list includes DVR-CAM app, which is preserved for future USB DVR function.

2.Phone Link - Apple CarPlay, Android Auto, AutoLink

2.1.Apple CarPlay

2.1.1 Wired CarPlay Connection

NOTES

- Wired Apple CarPlay feature requires iPhone 5 or higher with the latest version of iOS.
- There is an <Apple CarPlay> option on the F7's System Menu and once the iPhone connects to ATOTO F7 via a specific USB interface, it will enter into Apple CarPlay connection mode.

Connection steps:

Step 1: Connect your iPhone to the specific USB port labeled as <Phone Link>, which goes from the rear USB1 interface of the F7.

Step 2: It will enter into Apple CarPlay mode automatically. Usually, there will be a CarPlay icon displayed on your iPhone screen, too.

Step 3: On the first connection, you will see a pop-up window from your phone screen, and you are required to click <Allow>.



[Figure 02]

2.1.2 Precautions

(1). For the first connection: Make sure that your iPhone supports CarPlay feature and the CarPlay app isn't restricted. If the CarPlay function isn't restricted, you can see it display on your iPhone Settings (Path: Settings>General>CarPlay)

If the CarPlay function has been restricted on your iPhone, enable it in a few steps: Settings>Screen Time>Content & Privacy Restrictions, tap <Allowed Apps> and enable the <CarPlay> app; Or through Settings>General>Restrictions, enter the password and enable the CarPlay app.

Which way is applicable will depend on the iOS version of the phone.

(2). It requires the user to use a factory or original USB cable that comes with the phone for CarPlay connection.

Non-manufacturer made USB cable may cause connection issues such as black screen, or unstable connection.

2.1.3 Wireless CarPlay Connection

NOTES

(1). If your phone can not connect to F7 successfully, please remove "F7" from the Bluetooth list on your phone. Then, proceed to reconnect by following the steps below.

(2). Wireless CarPlay is available on iPhone 5 and later models with iOS 9.0 and higher.

(3). If your phone does not support wireless CarPlay, please use wired connection instead.

Connection steps:

Step 1: Enable Bluetooth Wi-Fi on your iPhone;

Note: Ensure your iPhone and F7 do not connect to any other Wi-Fi hotspots or Bluetooth, and make sure your car is in park(P);

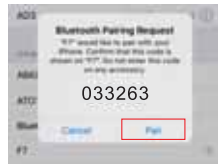
Step 2: Enable Bluetooth from your iPhone and choose F7's Bluetooth name to pair.

Step 3: Allow all the consecutive prompts on your phone to complete setup (Figure 04, Figure 05, Figure 06)

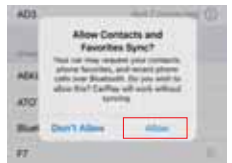
Step 4: The connection is complete now. The F7 will enter wireless CarPlay mode automatically (see Figure 07) when the switch in Figure 08 is enabled.



[Figure 03]



[Figure 04]



[Figure 05]



[Figure 06]



[Figure 07]



[Figure 08]

2.2.Android Auto**2.2.1 Wired Android Auto Connection****NOTES**

- Wired Android Auto is compatible with Android phones running Android 6.0 or higher. Android Auto may not be available on all devices.
- You need to install <Android Auto> app on your Android phone before using it on F7.
- There is also an Android Auto option on the F7, and when the compatible Android smartphone connects to it, Android Auto is running on the F7 screen.

Connection steps:

Step 1: Connect your Android phone to the specific USB port labeled as <Phone Link>, which goes from the rear USB1 interface of the F7.

Step 2: It will enter into Android Auto mode automatically. Usually, there will be an Android Auto icon displayed on your phone screen.

Step 3: On the first connection, the screen of the F7 will be black, and you will see pop-up windows (see Figure 09) from your phone screen. You are required to click <CONTINUE> or <ALLOW> to all these requests to complete the settings, then the Android Auto will be running on the F7;



Step 4: Your phone's Bluetooth will be turned on automatically when Android Auto is connected. You will also see a pop-up window <Bluetooth connection is now used for Android Auto> on the F7.

[Figure 09]

2.2.2 Precautions

(1). The Android Auto app should be installed on your phone, and all the permissions to the "Android Auto app" on your phone should be enabled (Settings>Apps>Android Auto>Permissions). The APP versions of the <Android Auto>, <Google>, <Google Play Service>, <Google Play Store> should be the latest one, otherwise, it may cause some unknown issues.

(2). It requires the user to use a factory or original USB cable that comes with the phone for the Android Auto connection. Non-manufacturer made USB cable may cause connection issues such as black screen, or unstable connection.

(3). If you see the prompt on your phone about <Android Auto stopped responding. To continue, unplug your phone from the USB cable and plug it back in again>, then it means not all the settings are finished in the first time connection. You just need to clear the data and cache of the Android Auto app on your phone, then reconnect your phone, and follow the instructions on the phone to finish the permission settings again.

2.2.3. Wireless Android Auto Connection**NOTES**

(1). Before use, make sure that you can use wired Android Auto on your F7 with your phone.

(2). Before use, make sure that your phone supports wireless Android Auto. Wireless Android Auto is compatible with these Android versions:

- Any phone with Android 11.0 or higher;
- A Google or Samsung phone with Android 10.0;
- A Samsung Galaxy S8, Galaxy S8+, or Note 8, with Android 9.0.

If your phone does not support wireless Android Auto, please use wired connection instead.

(3). If you are using wireless Android Auto on your phone for the first time, make sure that the wireless Android Auto option or wireless projection option is on.

02 Phone Link - Apple CarPlay, Android Auto, AutoLink

(4). If your phone can not connect to F7 successfully, please clear Bluetooth pairing records at F7(Path on selected F7 models: Settings> Bluetooth Settings> Clear Records) and delete "F7" from your phone Bluetooth list,then try to connect as above steps again;

Connection steps:

Step 1: Enable Bluetooth Wi-Fi on your phone;

Note: Ensure your phone and F7 do not connect to any other Wi-Fi hotspots or Bluetooth, and make sure your car is in park(P);

Step 2: Enable Bluetooth from your phone and choose F7's Bluetooth name to pair.

Step 3: Allow all the consecutive prompts on your phone to complete setup (Figure 11, Figure 12, Figure 13)

Step 4:The connection is complete now.The F7 will enter wireless Android Auto mode automatically (see Figure 14)when the switch in Figure 08 is enabled.



[Figure 14]

Notes for both CarPlay and Android Auto:

(1). F7 regards the audio of CarPlay & Android Auto (CPAA) and local media apps (BT Music / Radio / Music / AUX) as mutually inclusive. In other words, they can output sound at the same time. You can use maps in CPAA while listening to the radio or playing music from a USB flash drive. To set navigation and media mix volume, please refer to chapter 8.3.4. Dual Audio Control.

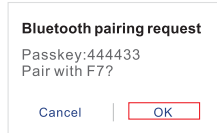
In general, the navigation app and media app in CP and AA can run simultaneously.

(2). F7 may achieve regular audio mixing when CarPlay/Android Auto (CPAA) is providing background navigation, while local music (USB/ SD card music), AUX audio, or the radio interface is active in the foreground. But, when CPAA is active in the foreground and local music is playing in the background, audio mixing cannot be performed.

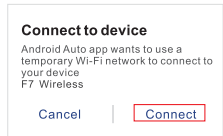
(3). You can disconnect wireless CarPlay/Android Auto from the phone, but you cannot disconnect it from the head unit.



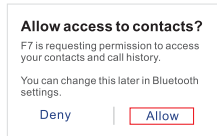
[Figure 10]



[Figure 11]



[Figure 12]



[Figure 13]

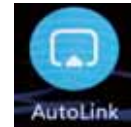
02 Phone Link - Apple CarPlay, Android Auto, AutoLink

(4). It's crucial to maintain an adequate battery level on your mobile device. If the device is overheating, disconnect it from CarPlay to allow it to cool down. Because a low phone battery may prevent a successful CarPlay connection and an overheating phone can potentially lead to glitches in the navigation display.

(5). The F7 features various audio sources. Upon restarting the system, F7 will display the audio sources that was in use last time before shutdown.

(6). During a wireless Android Auto connection, if Wi-Fi is disabled, the connection may be interrupted. To re-establish wireless Android Auto, you'll need to reactivate Wi-Fi, reconnect to Bluetooth, or tap on the Android Auto app once more.

2.3. AutoLink



2.3.1. How it works on the F7

Notes: Please ensure that both wired and wireless CarPlay/Android Auto have been disconnected before attempting a screen mirroring connection.

Operation steps:

For Android phone:

- (1). Open the AutoLink application on the F7, and scan the QR code (See Figure 15-1) to download the "Mirroring" application. Install the "Mirroring" app to your Android phone.
- (2). Connect your phone to the <Phone Link> port of F7 using the original phone USB cable;
- (3). At this point, you may see a pop-up window (See Figure 15-2) as shown in the figure below. Click on "Start Now" for phone mirroring.



[Figure 15-1]

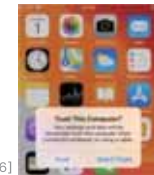


[Figure 15-2]

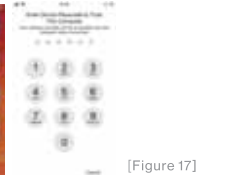
For iPhone:

No extra App required for connection, and the operation steps are as follows:

- (1). Tap <AutoLink> icon to run AutoLink option on F7 .
- (2). Connect your iPhone to the <Phone Link> port of F7 using the original phone USB cable;
- (3). At the same time, you will see a pop-up window (See Figure 16) from your phone screen, and you are required to click <TRUST>. And then you may also see a pop-up window (See Figure 17) on your iPhone to ask you to enter a device password. In this case,please enter the iPhone screen lock pass code).



[Figure 16]



[Figure 17]

02

Phone Link - Apple CarPlay, Android Auto, AutoLink

2.3.2 Precautions

(1). The AutoLink feature requires the phone to support CarPlay or Android Auto feature first. Phones that do not support these two functions cannot use the AutoLink.

(2). It requires the user to use a factory or original USB Cable that comes with the phone for AutoLink connection. Non-manufacturer made USB cable may cause connection issues such as connection failure, or unstable connection.

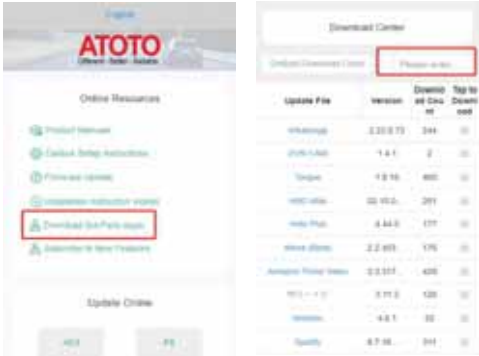
(3). Check and make sure phone Bluetooth is connected to F7. If not, there is no audio out from the F7 side when you play multimedia on your phone.

(4). AutoLink captures the display content of the mobile phone and displays it on the F7's screen simultaneously. If your phone comes with a curved screen display (Figure 18), the display mirrored on F7 will not be full-screen (Figure 19);



(5). If you have a problem installing Mirroring to your Android phone, contact ATOTO customer support for requesting download link. If the QR code on the head unit has expired, you also have the option to visit <https://resources.myatoto.com/> and search for "Mirror-B-Mirroring" and download the "Mirroring" app to your Android phone (see Figure 19-01, 1-02).

Note: The "Mirroring" app is only compatible with Android phones and cannot be used on the head unit itself.



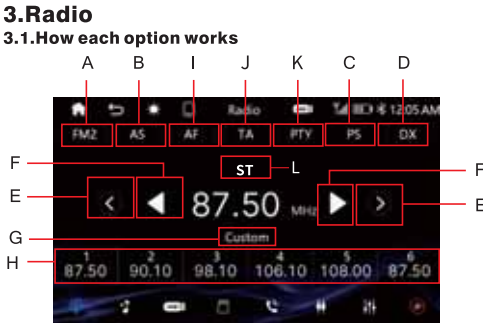
[Figure 19-01]

[Figure 19-02]

(6). Phone manufacturers may release new system firmware, and it may cause the Mirroring app to not work properly with new phone firmware. If you have a connecting issue after the phone is updated, please contact the ATOTO customer support team for a solution;

03

Radio



[Figure 20]	
A	Touch FM1 to shift between FM and AM station list (FM1, FM2, FM3, AM1, Am2);
B	Long press AS to auto scan and store stations;
C	PS (Prescan Search) . Touch Prescan search, each scanned station will be played for 3s, touch again to stop;
D	Dx/Local Switch. LOC is an abbreviation of local. Enabling this option means especially for local frequency handling;
E	Touch < or > to search qualified stations forward or backward;

F	Touch < or > to jump forward or backward to the nearest frequency;
G	This place displays the current EQ mode the system is applying
H	Preset station list. There are 18 preset FM radio stations and 12 preset AM radio stations. All are initially filled with the first frequency number. When you click <AS>, newly received radio stations will replace these default frequency numbers on this list.
I	<AF> is an abbreviation of Alternative frequency. It is an option that allows the F7 to re-tune to a different Frequency that provides the same station when the first signal becomes too weak (e.g. when moving out of range).
J	<TA> is an abbreviation of Traffic Announcement. It refers to the broadcasting of a specific type of traffic report on the Radio Data System.
K	<PTY> is an abbreviation of Programme Type. It allows you to search for radio stations by the type of programming they offer, such as news, sports, music genres, talk shows, etc. When you select a specific program type, your radio will search for stations broadcasting that type of content.
L	When ST is displayed, it means this is a stereo station.

3.2.Radio Settings



[Figure 21]

The available regions for selection are Europe, Latin America, North America, Japan, Russia, Australia, China. Different areas may have different radio frequency range and scan step. Select the correct region based on your location, since a wrong radio area chosen may result in less radio station reception.

Please choose the correct one following the below table:

Area	FM range (MHz)	AM range (kHz)	FM step (MHz)	AM step (kHz)
North America	87.5~ 107.9	530~ 1710	0.2	10
Latin America	87.5~ 108	530~ 1710	0.1	10
Europe	87.5~ 108	522~ 1620	0.05	9
Russia	65~ 108	522~ 1620	0.03	9
Japan	76~ 99	522~ 1629	0.1	9
Austrailia	87.5~ 108	522~ 1710	0.1	9
China	87.5~ 108	531~ 1629	0.1	9

NOTES : When you restore this device to factory settings, the <Radio Area> will also return to the default option. If your area is different from the default area option, remember to select it manually, otherwise, it may not work properly.

3.3.Precautions

(1).If the radio interface shows “TP seeking” and then skip to another station while you are listening to favorite one, it means you turned on TP Option. TP (Traffic Programme) is used to allow the user to find only those stations that regularly broadcast traffic bulletins. If you don't need this function, please turn off the TA option.

(2).F7 comes with the RDS (Radio Data System) function on the condition that the radio station of the area transmits the RDS signal. In areas without the RDS signal, the FM/AM will be available automatically.

	Europe	Latin America	North America	Japan	Russia	Australia
RDS	√	x	x	x	√	√
RBDS	x	√	√	x	x	x
AF	√	x	x	x	√	x
TA	√	x	x	x	√	x

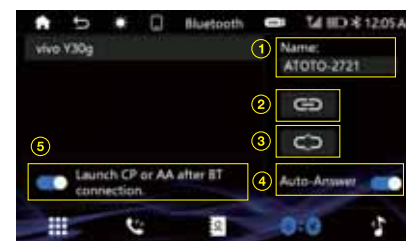
The current car head unit being shipped to North America does not support RBDS functionality even though the RBDS signal is available in North America. However, there is a possibility that this feature will be included in future product upgrades. For more information, please refer to the product description for details.

(3).The <Radio> option is used as one of three independent audio sources (<Radio>, <BT Audio>, <A/V In>). Every time you turn on F7, it will automatically play from the default audio source. If you don't want it to run the radio every time it starts, click the  to exit.

09

4.Bluesetooth

4.1 Bluetooth Settings



[Figure 22]

①The Bluetooth name of the head unit is listed here.

Tap icon ① to disconnect the phone Bluetooth from the head unit, and tap ② to reconnect again.

<Auto Answer> When it is enabled, the incoming call will be automatically answered in 3 seconds if there is no operation from the user.

<Launch CP or AA after BT connection.> When it is enabled, CarPlay or Android Auto will be automatically launched after the Bluetooth and Wi-Fi are successfully connected.

Note: After the Bluetooth disconnection, the Bluetooth pairing records will not be displayed on the head unit.

4.2 Bluetooth Connection

Bluetooth is activated by default. To connect, simply turn on your phone's Bluetooth and select F7's Bluetooth from the list. Once it is connected successfully, the Bluetooth icon on the upper left corner on the F7 screen will also light up;

4.3 Bluetooth Hands-free

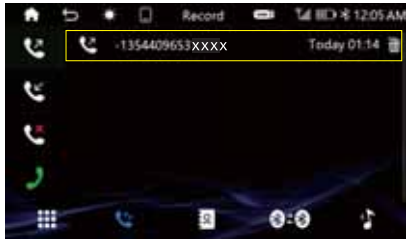


[Figure 23]



[Figure 24]

10



[Figure 25]



[Figure 26]

	Dialpad for making a call manually;
	Click to start a call
	Delete the last number
	Phone Contacts;
	Click to refresh phone contacts
	The Call Log of the phone will be displayed here;
	Click it to enter into Bluetooth Audio Streaming option;
	Bluetooth Audio Remote Control button (AVRCP)
	At call log page, select the desired number from the call history, then tap icon to start a phone call.

4.4. Precautions

When a phone connects to F7 via Bluetooth option for the first time, F7 will send a request for sync phone contacts once you click this icon. You need to select <YES> for all prompts on your phone.



[Figure 27]

5.Mobile Media Playback (USB / MicroSD)

5.1 Device requirements

MicroSD storage: up to 512GB; USB flash drive: up to 2TB
Compatible file system: FAT32 , NTFS, exFAT.

5.2 How each button/icon app works



[Figure 28]



[Figure 29]

	Short press it to skip to the previous track.
	Pause/Play button.
	Short press it to skip to the next track.
	Press it to select between Repeat All, Repeat One, or Repeat Directory
	Press it to select between <random play> and <play in order>
	Press it to view available files from an external storage device (USB/micro SD)
	Files or folders filtered by Audio Format
	Files or folders filtered by Video Format
	Files or folders filtered by Image Format

NOTES

- (1). Audio Playback in this option has memory function and can play from where it is left last time. To add all the latest music files in the external storage into the playlist, it will automatically scan the device every time after plug-in.
- (2).If your media files are organized in folders, and you need to browse and play files in other folders, you may need to click the to browse all folders available in the device, and then scroll and select the one you want;
- (3).When using USB or MicroSD to update the system firmware, please format it as <FAT32>, <NTFS> or <exFAT> before proceeding, otherwise, the update process may fail;