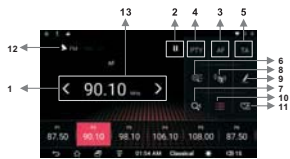


### ● Radio

How to operate the Radio(AM/FM/RDS).



- Touch the right or left arrow buttons **1** **2** once to search stations forwards or backwards. Press and release the right or left one **3** to skip stations forwards or backwards.
- Touch **4** to turn the radio sound on or off.
- Touch <AF> to turn the AF function on or off. AF (alternative frequencies allows the receiver to re-tune to a different frequency providing the same station when the first signal becomes too weak (e.g., when moving out of range).
- Touch<PTY> to display RDS channels and users can choose any desired channel to within which to search for stations. **PTY (programme type)**

Where available, up to 31 pre-defined program types (e.g., in Europe: PTY1=News, PTY6=Drama, PTY11=Rock music) allows users to find similar programming by genre.

- Touch <TA> to switch TA stations on or off.

**TA, TP (traffic announcement, traffic program)**

Where available, the receiver can be set to return to receive a traffic bulletins. TP is used to allow the user to find only those stations that regularly broadcast traffic bulletins whereas TA is used to signal an actual traffic bulletin in progress.

#### ATTENTION:

- The radio tuner with RDS doesn't include TMC function, users can obtain real traffic info. by online Google map.

- Touch **5** to scan and play stations.
- Touch **6** to performs non-stop seek tuning.
- Touch **7** to switch between local or distant station searching.
- Touch **8** to input a frequency to tune to that station.
- Touch **9** to display detected stations.
- Touch **10** to display user's favorite stations.
- Touch **11** to shift between FM and AM stations.
- Press and hold current station frequency to add your favorite stations list.

### ● OBD2

The function of OBD2 device is to transmit the vehicle's operating and performance data to the unit's screen. This is accomplished via Bluetooth, whose default **pin code is 1234**. The procedure for the connection is show below:



- Plug ATOTO OBD2 device into the vehicle's OBD interface.
- Connect OBD2 device to the Bluetooth2 of the unit (Refer to Bluetooth section herein)
- Check Torque App for connection status.



#### ATTENTION:

- Different OBD device may have different app and connecting methods. Bluetooth2 is specially designed for OBD data transmitting. Bluetooth1 will fail to connect.

### ● USB Dashboard Camera

The USB dash cam is recommended to be mounted behind the rear view mirror.



#### ATTENTION:

- And the USB interface of dash camera must be taped firmly to avoid loose connection while vehicles in motion.

### ● Remote Steering Wheel Controller

The remote steering wheel controller is wireless and is designed for those vehicles that do not have original steering wheel control keys. Fasten it in the desired place on the steering wheel. A good mounting example for right handed drivers is shown below.



### Product Installation

There are two types of in-car entertainment from ATOTO, (1) vehicle aftermarket specific model and (2) universal double din.

The installation preparation for the two types are different.

(1) For vehicle aftermarket specific model, ATOTO will provide necessary hardware items, such as power cable, USB cables, etc.

The vehicle aftermarket specific model product will be sized to fit the user's specified special car.

(2) For universal double din, the installation process is quite complex and require professional skills. Below are some basic suggestions for the universal double din installation:

Get the right installation kit?



For example, the product's face frame size is 173X97MM, the internal size of the installation kit frame must be 173X97MM.

Get the right power harness and make harness connection as suggested method.



The power cable must be taped to avoid short-circuit, especially dash camera USB cable.

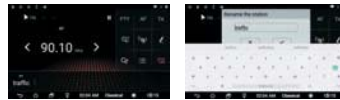
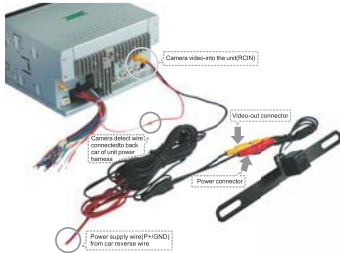
Install the product on the vehicle console as the suggested position.

#### Warnings!

Do not take any steps to tamper with or disable the parking brake interlock system which is in place for your protection. Tampering with or disabling the parking brake interlock system could result in serious injury or death.

### Accessory installation (Sold separately)

#### Rear view camera installation



To name a favorite station, press and hold the station frequency and enter the desired name in the pop-up dialogue box.



In addition to FM/AM, the radio includes RDS RT (radio text) functionality, where available, RDS standardizes several types of transmitted information, including time, station identification and program information, which is displayed under the current playing station frequency.

### How to operate Bluetooth.

Built-in dual Bluetooths, functions are assigned as follows:

Bluetooth name	Compatible devices	Functions
Bluetooth 1	Smartphones	Phone calling Bluetooth music streaming
Bluetooth 2	OBD Smartphones Other Bluetooth devices	OBD data transmitting Internet data sharing from smartphones

### Bluetooth connection

#### Bluetooth 1 connection

The path to Bluetooth 1: main menu/Bluetooth 1 App



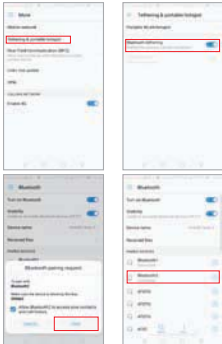
- (1) Put the unit in connection status.
- (2) Turn on your phone (smartphone) and display the phone's Bluetooth screen. Visibility status should be turned on.
- (3) The unit Bluetooth name (ATOTO) will be displayed on the phone and touch it to enable connection.

#### Notes:

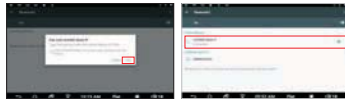
- The phone's network name that appears on the unit and its pin code can be customized by users.
- Touch <Auto Answer> to switch to automatic pick-up, so calls will come through automatically.
- If desired, paired device/phone can be deleted manually, but then it will need to be re-registered.
- Make sure that your phone is on visible status, invisible status settings may cause connection failures.

### Bluetooth 2 connection

- The path to Bluetooth2: main menu/settings/wireless&networks/Bluetooth2.
- **Note:** Before connection to Bluetooth2, the smartphone's Bluetooth tethering function must be enabled



<PAIR> must be enabled.



<PAIR> must be enabled.

#### ATTENTION:

- Bluetooth2 is provided for data sharing only and can not be used for phone calling, which means although it shows <access to your contacts and call history>, users still can not make a call through Bluetooth2. In order to obtain high-quality phone calling, the function is assembled to bluetooth1.
- Bluetooth2 is more compatible with third-party devices, but the connection reliability is dependent on third-party devices.
- Bluetooth2 can be connected to two devices, which are OBD and smartphone, but cannot be connected to two smartphones at the same time.
- When smartphone's data sharing in use, Bluetooth2 loses connection normally because of weak signal of the phone.

### (3) To the parking brake switch cord(PIN13)

Normally it is not necessary to be connected. But in some countries, it is against the rule of law that watching videos while car in motion.

### (4) To a car's illumination(LL) cord(PIN 14)

Be sure to first connect the black ground lead to a common ground point. It is connected to the original car ILL lead correspondingly. If connected, the background light of the unit will be shifted to night mode (dimmer) after the headlight is turned on.

### (5) To existing analog singal steering wheel control keys only (PIN 5) (PIN 6)

Assure firstly that the black ground lead is connected to a common ground. If the car has one wire, connect either of two keys(PIN5 or 6). If the car has two wires, connect both PIN5 and PIN6 to them, either one to either car wire.

### (6) To the amplifier control lead(PIN 11)

This provides for cars with an additional amplifier installed. If there is no additional amplifier, this connection is not made.

### (7) To the rear camera car lead(reverse camera input)(PIN 3)

The lead is for reverse camera signal input.

### (8) AUX-in can only be used for audio or video input and cannot be used for rear view camera.

### (9) To the CANBUS-TX (PIN2) and CANBUS-RX(PIN12)

These two leads are empty and left for future special OEM model. The double din universal power harness will not apply these two leads.

### (10) To the thinner GND(PIN15)

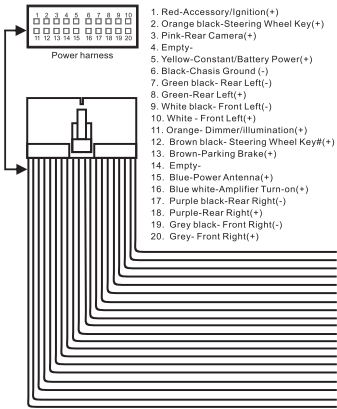
The PIN15 has two ground wires, the thinner one is specially for steering wheel control GND. The bigger one is for the unit GND.

#### Before the product installation

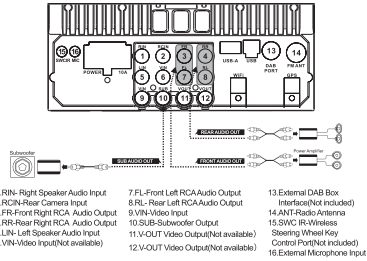
- (1) Make preparations in advance if installation requires drilling holes or other modifications of the vehicle.
- (2) Before making a final installation of this product, temporarily connect the wiring to confirm that the connections are correct and the system works properly.
- (3) When connecting wires, ensure the connected wires are taped with insulating tape, including USB connectors. Do NOT allow any bare wiring to remain exposed.
- (4) To avoid short-circuit, cover disconnected wires with insulating tape. It is especially important to insulate all unused speaker leads, which if left uncovered may cause a short circuit.

Connection

● Power cord(Pin Interface)



● Audio & video connection



● Power harness connection

Precautions for making connections:

- (1) To a common ground(earth) point (PIN 15)  
First connect the black ground (earth) lead then connect the yellow and red power supply leads.
- (2) To the power antenna(ANT) control lead or the power supply lead of the antenna booster(PIN 1)  
It is not necessary to connect this lead if there is no power antenna or antenna booster or with a manually-operated telescopic antenna from the original car. But if there is power antenna or booster, it must be connected. If not connected, the radio signal will be weak and there may be no or few stations received.

Basic Operation

● Hands-free phoning on Bluetooth1

To make a call



- A: Dial the call number on the keypad and touch to make a call to someone for the first time.  
B: For calls to prior recipients, touch any of the listed call history recipients to make calls without needing to use the keypad.



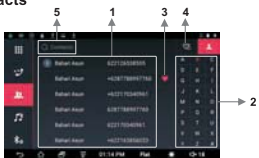
- (1) Phone's call of history can be synced to the unit.
- (2) Touch to display all the call history.
- (3) Touch to display the call-out history.
- (4) Touch to display the incoming call history.
- (5) Touch to display missed call history.
- (6) Touch to delete all the call history.

To answer or end a call



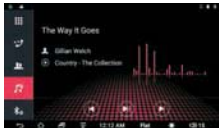
- (1) To answer a call, touch <Answer> .to end a call, touch<Hang up>.
- (2) Touch to switch the unit's microphone off or back on.
- (3) Touch to turn off the speakers and take or make calls privately on your phone(Talk directly on your phone for private calls when others are in the car). Touch it again to turn the speakers back on for hands-free calling.
- (4) Touch the bar to turn the volume up or down.

### ● Contacts



- (1) Press and slide down to download contacts from the phone manually.
- (2) Search for contacts by alphabetic order.
- (3) Press and hold the desired contact, and then touch the pop-up heart icon to add the contact.
- (4) Touch to display favorite contacts.
- (5) Touch here to view list of all contacts.

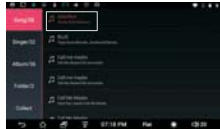
### ● Bluetooth music streaming



- (1) Touch the right or left arrow buttons to select music files forward or backward, press to play or pause.

**Notes:**  
 (a) Audio music will stream from the phone via Bluetooth connection.  
 (b) The Bluetooth music menu can display ID3 information, such as singer name and album title.

### ● Audio play



- (1) The audio player app can play audio music file from an external USB connected device, micro SD and built-in flash drive. All the audio files can be identified as song/singer/Album/Folder.
- (2) The title of current playing music will become red, touch it to view and scroll the list of other available music...

### About device

Status: View information about the product's current status.

Legal information: Display open source licenses, configure license settings, including Google information.

Model number: View the product's model number.

Serial number: View the product production serial number.

Android version: View the firmware version of the product.

Kernel version: View the kernel version of the product.

Build number: View the build number of the product.

MCU version: View MCU version of the product.

Bluetooth version: View Bluetooth version of the product.

### System update



Before updating, assure the unit is connected to internet and has a strong signal.

- (1) Touch <check for update> to check if the firmware is up to date. If not, the latest firmware can be detected, downloaded and installed. There are two types for the update firmware, OS & MCU.

Normally, **OS firmware** will update first, which takes a few minutes. After finishing, the unit will restart automatically.

About 10 seconds after the OS firmware update completed, the system will detect the current MCU firmware, if an update is needed an MCU update dialogue will pop up. After the MCU is completed, the system will again restart.

### ⚠ Warning!

During updating, do not switch off the vehicle's engine or turn off the unit's power. The unit will be damaged if power is shut off during an update process. Additionally do not operate the unit during an updating to avoid the risk of damage.

- (2) Here display the firmware version and size
- (3) Touch to access update settings or to exit the update app.

**Auto-start management**

- Allow or deny app auto-start during system bootup.

**App permissions**

- Manage app permissions for security and privacy protection.

**Data protection**

- Protect your data from unwanted access.

**Storage type**

- Hardware-backed

**Trusted credentials**

- You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

**Install from SD storage**

- Install encrypted certificates from an installed memory card.

**Note:**

You must have installed a memory card containing encrypted certificates to use this feature.

- **System**

**Automatic date & time**

When enabled, the product utilizes the GPS and network date and time. When disabled, users can set the date and time manually.

**Automatic time zone**

When enabled, the product utilizes the network time zone automatically. When disabled, users can set their own time zone manually.

**Set time**

When automatic date & time is disabled, users can set date and time manually.

**Use 24-hour format**

Users can switch between 24-hour and 12-hour format.

**ATTENTION:**

- The default settings are all automatic. Normally there is no necessity to use manual settings.



- (1) Touch to shift among <repeat one>, <repeat all> or <random play>.
- (2) Touch to select music files forward or backward, touch to play or pause.
- (3) Touch to display a list of available music.
- (4) Touch to add a song to your favorite list, touch it again to cancel.

- **Video play**









The video player app can play video files from an external USB, connected device, micro SD and the built-in flashdrive.

- (1) Touch to select video files forward or backward, touch to play or pause.
- (2) Touch to display a list of available videos.




- **How to operate USB Dashboard Camera app (Note: the dash camera is sold separately)**



- (1) Touch  to start or pause camera video recording.
- (2) Touch  to take a still photo.
- (3) Touch  to access dash camera settings.
- (4) Touch  to delete recorded videos.
- (5) Touch  to display the recorded video files.
- (6) Touch  to lock the current recorded file, touch again to unlock it.

**Notes:** If the file is locked, it will not be deleted after further video recording.



- (1) Touch  to switch automatic recording on or off.
- (2) Touch  to set recording resolution among to low standard or high.
- (3) Touch  to set video clip length to 1, 3, 5, or 10 minutes.

#### ATTENTION:

- Recorded video files be played using the built-in video app. They cannot be played through the built-in video app.
- To ensure smooth recording, a class 10 micro SD is recommended.
- The USB dash cam must be connected to the specially assigned USB connector. Wrong connection may fail to record.

#### How to operate <Easy-Connect >app

The Easy-Connect app developed by third-party company interfaces the user's phone with the system. Operator instructions are listed after the table below:

	Android system(phone)	IOS(iphone)
Smartphone OS	Supported	Supported
Connection methods	By WiFi By phone charge cable	By WiFi
The sound of phone transmitting method	By Bluetooth A2DP (Bluetooth must be connected)	By WiFi
Operation	Operation works both on the unit and the phone	Operation only on iPhone
App installation	<b>Required</b> During initialization, the Easy-Connect app will be loaded from the cloud and installed automatically	Not required

- When <A> is enabled, the subwoofer output volume can't be adjusted separately and it will change with the system volume.
- When <M> is enabled, the subwoofer output volume can be manually adjusted separate from the system volume. Also there are 3 levels of frequency to enhance as center frequency (80 Hz /120 Hz /160Hz).

#### Display settings:

- (1) Touch <Brightness level> to adjust screen display brightness manually.
- (2) Touch <Auto Brightness> to switch among <Close> <Headlight> <Time>
  - <Close>: To close automatic brightness adjustment function
  - <Headlight>: To adjust screen brightness automatically when the vehicle headlights are turned on
  - <Time>: To adjust screen brightness automatically by preset clock time  
18:00-6:00 (6:00 PM-6:00AM)—Bright  
6:00-18:00(6:00AM-6:00PM)—Dimmer
- (3) Touch <Wallpaper> to enter into background wallpaper settings
- (4) Touch <Daydream> to add screen saver while the product is in standby mode.
- (5) Touch <Font size> to choose font size.
- (6) Touch <Panel LED Display> to set panel LED color, the default color is white.
- (7) Touch <Storage&USB> to display system and USB storage status.
- (8) Touch <Memory> to display memory usage status.

#### Personal

- (1) Touch <Location> to manage App locations.
- (2) Touch <Account> to add or delete an account
- (3) Touch <Language & Input> to set the product language and input method:
  - The unit default language is English. Also included are French, German, Spanish, Portuguese, Japanese, Russian, Arabic and Italian.
  - The default input keyboard is Google Keyboard. Users can add more keyboards from the system or download from Google Play.
- (4) Touch <Security> to access Android security settings.
  - Device administration
  - View or deactivate device administrators.
  - Unknown sources: Allow installation apps from unknown sources.

#### Warning!

If the device is configured with system software not provided by or supported by Google or ATOTO, end-users operate these devices at their own risk.

**Step 3:** Program all the keys as above manner, after all keys programmed, press <save>. If there some keys are not successfully programmed, press <reset> to clear, and then start again at Step 1 above.

#### ATTENTION:

- The original steering wheel control programming is only based on resistance analog signal input.
- The digital steering wheel control of the vehicle may need a box for transforming the digital to analog signal. And then connect analog steering wheel line to the product steering wheel line.
- There are two steering wheel wires of the product(Key &Key+). It depends on the vehicle steering wheel wire whether to connect one or two of them. Normally only one steering wheel wire is enough for all the keys. There is no sequence for the two wires(Key&Key+). So users must check carefully before installation.

- (4) Enable<Video Watching Prohibition> while driving.

#### Cautions!

Some countries, legally prohibit such unsafe practice. The responsibility is transferred to user if the < Video Watching Prohibition> is enabled by user.

- (5) Touch<Image reversed for rear camera> to adjust the rear camera image from left to right or right to left.
- (6) Touch<Reverse mute switch> to turn speaker sound off or on while the vehicle is in reverse gear.

**Notes:** If the switch is disabled, the speak sound will not decrease while the vehicle is in reverse gear. If the switch is enabled, the volume will decrease to level 12 to ensure the speaker sound will not distract the driver's attention, while the vehicle is in reverse gear.

#### Sound settings:

- Touch <Touch Sound> to switch touch sound on or off.
- Touch<Loudness>to switch loudness for sound effect on or off.
- Touch<Volumes>to adjust media and Bluetooth call sound
- Touch<Equalizer adjuster> to make acoustical adjustments.
- Touch<Listening Position> to optimize sound for a specific seating position in the car.
- Touch<Subwoofer output> to access subwoofer settings.



Touch  to turn subwoofer output on or off. After the subwoofer output enabled on, there are two modes to choose from---<A>automatic and <M>manual.

#### ● Android phone connection

The Easy-Connect app supports both WiFi wireless and USB connection. For it to be operational, Easy-Connect requires that a Bluetooth connection must be established.

#### A: WiFi Wireless Connection with Android Phone

##### The three steps must be followed:

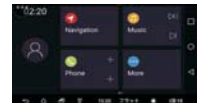
- Step 1:** For the first time connection, it is necessary to connect the phone to the unit using a USB cable.
- Step 2:** Go to the phone's "Connections" under "Settings" and enable WiFi connection. If available, enable the phone's "USB debug" in its Developer options settings.
- Step 3:** During connection initialization, the Easy-Connect app will be downloaded from the cloud and installed in the phone automatically.

#### B:USB Cable Connection with Android Phone

##### The two steps must be followed:

- Step 1:** Connect the smartphone's USB cable to the unit specially-designed USB port (USB-B port). If available, enable the phone's 'USB debug' in the Developer options settings.

- Step 2:** During connection initialization, it is required to go to Google Play Store to download Easy Connection app for your smartphone.



User interface on the phone



User interface on the system



**ATTENTION:**

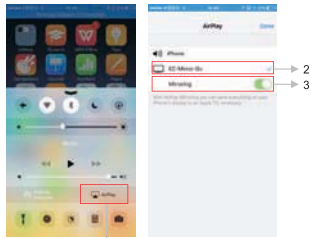
- Normally the method to open developer options is to make 5 time continual click on the phone's version. But there still could be a different way for some phones.
- The smooth of data sharing is highly depending on USB cable quality. Poor quality of USB power cable may fail to connect with the unit. The original USB cable comes with the phone or above quality is highly recommended.
- The USB port for Easy-Connect app is specially designed, which is USB-B(V2.0). Wrong connection may fail to work.

- **IOS iPhone Connection**

For iPhones, the Easy-Connect app only supports WiFi wireless connection. Operation is performed on the iPhone only (not on the product screen).

**Three steps for WiFi connection must be followed:**

- Step 1 :** Share iPhone WiFi hotspot to the product;
- Step 2 :** Enable the product WiFi connection(via the phone).
- Step 3 :** Set iPhone Airplay to mirror as follows:



- (1) Touch <airplay> to access mirror settings.
- (2) Enable <EC-Mirror-Gv>.
- (3) Enable<Mirroring> and then click <Done>.

**ATTENTION:**

- The Easy-Connect app supports the phone with Android 7.0 or IOS 11.2.1. It is not guaranteed that future newer phone OS can be compatible. Turn to ATOTO support team if your phone can't be connected.

**Displaying the "System" settings screen**

Touch  to access system settings. The system settings are classified as <Wireless&network>, <Device>, <Personal> and <system>.

- **Wireless & networks**



- (1) Select the Network tab and turn on WiFi.
- (2) Touch<Data usage> to display APP data consumption.
- (3) Touch<Bluetooth2>to view Bluetooth 2 connection. (Refer to page7 for details)

Notes: Bluetooth2 is for data sharing and cannot be used to make Bluetooth calls.

- **Device Settings**

**Default Settings:**

- (1) Touch <Navi.App Selection> to select a navigation app.
  - (2) Touch<Voice Command Navi. Set> to select a voice command app.
- Note:**  
The product only provide a channel for voice command app. It depends on the app that how the voice command app works.
- (3) Touch<Steering Wheel Programm> to access steering wheel control (SWC) program:

**Setting the vehicles' steering wheel keys:**

**Step 1:** Access the product steering wheel setting menu: Settings/device/default settings/steering wheel program.

**Step 2:** Press and hold the key on the product, simultaneously pressing and holding the corresponding key on car steering wheel until the product key stop flashing and a triangle appears near the upper left on the screen.

## FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ -Reorient or relocate the receiving antenna.
- ▶ -Increase the separation between the equipment and receiver.
- ▶ -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ -Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.