User's Manual

Before operation, please carefully read the instruction manual.

Android 4.1.1

IN CAR MULTIMEDIA & GPS SYSTEM
Warning: Before using this device, please read the manual safety and law information.

1.1 Turning On and Turning Off

Turning On When you plug in the car keys, switch on ACC START or the car's ACC power, the device will be automatically turned on, displaying the boot animation LOGO.

Turning Off When you take off the key, switch to ACC OFF, or turn off the car's ACC power, the device will automatically be shut down.

1.2 Panel Function Button

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>PWR/VOL</td>
<td>Power/Volume</td>
<td>①. In the off state, press this button short, the system is turned on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>②. In the boot state, press this button short, the system becomes mute; press this button, the system is shutdown.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>③. Turn this button clockwise, the volume is increased</td>
</tr>
<tr>
<td></td>
<td></td>
<td>④. Turn this button counterclockwise, the volume is decreased.</td>
</tr>
<tr>
<td>HOME</td>
<td>Main Interface</td>
<td>Click to enter into main interface.</td>
</tr>
<tr>
<td>MENU</td>
<td>Main Menu</td>
<td>①. In each function, extended manipulation of information, press the MENU key to pop up;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>②. In the main interface, press the MENU key for the system to quickly set function.</td>
</tr>
<tr>
<td>BACK</td>
<td>Back</td>
<td>Click to back to the last interface.</td>
</tr>
<tr>
<td>NAVI</td>
<td>Navigation</td>
<td>Click to enter into GPS navigation interface.</td>
</tr>
<tr>
<td>DVD</td>
<td>DVD Play</td>
<td>Click to enter into disk play interface.</td>
</tr>
<tr>
<td>PHONE</td>
<td>PHONE</td>
<td>Click to enter into Bluetooth telephone interface.</td>
</tr>
<tr>
<td>RADIO</td>
<td>RADIO</td>
<td>Click to enter into radio interface for receiving FM1/FM2/AM radio</td>
</tr>
<tr>
<td>TUNE</td>
<td>Compound</td>
<td>①. In the audio and video playback interface, up / down one player;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>②. In the radio interface up / move down frequency</td>
</tr>
<tr>
<td></td>
<td>In/Out Disc Button</td>
<td>disk in and out</td>
</tr>
<tr>
<td></td>
<td>SD Media Card slot</td>
<td>Insert the appropriate memory card, multimedia file slot system can read the card</td>
</tr>
<tr>
<td></td>
<td>USB Socket</td>
<td>①. Connect other devices by USB socket.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>②. Connecting an external WIFI/3G dongle.</td>
</tr>
<tr>
<td>RESET</td>
<td>Reset Button</td>
<td>Click reset button to reset system and re-start.</td>
</tr>
<tr>
<td>MIC</td>
<td>Microphone</td>
<td>Receive voice from Bluetooth telephone call</td>
</tr>
</tbody>
</table>

Remark: All long press means press time at least lasting 3 seconds; Button and socket is different according to different car types, please take real type as standard.
1.3 Tips for Using Touch Screen

When using the touch screen, you can use several ways to perform corresponding operations on the device.

1.3.1 Clicking Function
You could select an application icon or option on the screen to realize clicking function. For example, click Bluetooth to enter into Bluetooth application.

1.3.2 Pressing Function
You could press the current user interface, icon, inputting column by pressing function. For example, press on the blank area of the main interface, then comes a pop-up menu, you could perform some function.

1.3.3 Dragging Function
Drag the touch screen or press the scroll bar for up and down operation. For example, browse the contact list of the Bluetooth phones by dragging function.

1.3.4 Zooming Function
When browsing the web, click the screen twice, then you could zoom in or out the page content. Or you could press the screen with two fingers by control the sliding distance between the fingers to zoom in or out the page content.

1.4 Main Screen
You can use the touch screen operation to use the various functions of the device. This equipment has a total of five main screen, left or right sliding can be switched with each other. Any interface press the HOME physical buttons on the panel to return to the main screen interface, and display the application.

icon in the main screen interface, click any application icon to open the program.

Note: You can add the freedom of the space of the main screen or Remove Programs icon to see equipment Basic Settings section. Click the application icon; you can view all of the programs of the equipment.

1.5 Status bar Indicator
Icons on the left top of the screen are notifications for messages and events; Icons on the right top of the screen are device status indicator.

If there is new message, it will be displayed on the status bar, slide your finger gently from the status bar, all prompts would be displayed. Then you could click the message and view the content.

<table>
<thead>
<tr>
<th>Indicators on the left</th>
<th>Description</th>
<th>Indicators on the right</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Network signal strength]</td>
<td>Network signal</td>
<td>[New Message]</td>
<td>USB connection instructions</td>
</tr>
<tr>
<td>[WIFI signal indicator]</td>
<td>[4:25 PM]</td>
<td>Current Time indication</td>
<td></td>
</tr>
</tbody>
</table>

Tip: You can tap and hold the status indication bar to view the current day.
Note: The device software is under upgrading, the status indicator may be different with your device; please refer to the actual device software.

1.6 Text Entering
When edit text, you could use existing method of entering and Android keyboard to edit English, numbers, and symbols etc., such as editing message, searching key words etc.

Tip: The display format would be different according to different status and keyboard of the entering, please refer the actual one

1.6.1 Switch on the Entering Method
Open the text editing interface
Click in the editing area, then the editing menu would appear.

According to the input method, input method you want to use the midpoint of the input method menu, you can choose the Android keyboard or install third-party input method.
1.6.2 Android Keyboard Input
Switch the input method into Android keyboard (see switch input method)
Remark:
1. You can click the number sign key to switch to numbers and symbols input mode.
2. Click to switch letter case.

2. Function Operations

2.1 General

2.1.1 Steering Wheel
Users could set the steering wheel according to hint.
Note: Steering wheel interface is special for cars with buttons, but some cars’ steering button are not able for study but by “can”, such as Ford MONDEO
Application>Setting
> General Settings
> Steering wheel Settings

Steering Wheel Interface

a. First to click “Start”
b. Click the buttons as you want.
c. Click the corresponding button on the wheel, if the study displays successful, there will be a change on the corresponding color on the main screen.
d. Repeat step 1 and 2 till you complete all the buttons’ setting on the steering wheel.
e. Click “END” to ensure that the steering wheel setting is completed. If you want the steering wheel button to re-learn, press the [CLEAR] Repeat a, b, c, three steps

2.1.2 Screen Calibration (For resistive screen only)
Applications> Settings
> General Settings
> Touch screen calibration

Enter the calibration screen to calibrate the screen interface, please click as close as possible to the cross until a successful calibration, then exit the calibration screen.

2.1.3 Navigation application
Select appropriate map application, then it can be associated with the navigation button on the physical and navigation icon on the main screen.
Applications> Settings
> General Settings
> Navigation options
> For example: GO

2.1.4 Factory settings
When the system is unable to work or there is problems after user used the system, it can be restored to the factory settings. Once it’s restored to factory settings, all the third-party software would be deleted, and the current system settings would be lost. For navigation software, just need to install corresponding APK. Please operate carefully.
Applications> Settings
> General Settings
> Factory settings

2.2 Navigation

2.2.1 Navigation Software Installation
1. Copy the application program with suffix name “APK” to SD card or U disk. There are two installation methods:
   (1). Click into the document management interface to find SD card or U disk directory and select “APK” and click install directly.
2. After successful installation required to choose you need to use the navigation application program, association panel on navigation physical keys NAVI and interface of the main navigation application icon (see 2.2.4 navigation options).

2.3 Radio

2.3.1 RADIO

Press the RADIO button on panel or click the icon on the main menu to enter the radio interface, the specific functions and operations are as follows:

Radio Interface

The functions of Icons in the radio interface are described below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAND</td>
<td>Band Switching</td>
<td>Click BAND to switch between mode FM1/FM2/AM.</td>
</tr>
<tr>
<td></td>
<td>Search Channel Backwards</td>
<td>Click to search channel backwards then stop when find clear channel</td>
</tr>
<tr>
<td></td>
<td>Search Channel Forwards</td>
<td>Click to search channel forwards then stop when find strong and clear channel.</td>
</tr>
<tr>
<td></td>
<td>Scan all Channels</td>
<td>Scan automatically and save channels (Coupled with a scanning radio signals broadcast for 10 seconds, no signal of the radio scan play 3 seconds)</td>
</tr>
<tr>
<td></td>
<td>Locate and DX</td>
<td>Change between locate and DX models.</td>
</tr>
<tr>
<td></td>
<td>Audio settings</td>
<td>Click enter the EQ setup</td>
</tr>
<tr>
<td></td>
<td>list of radio stations</td>
<td>List of radio stations, according to the storage for the playing frequency point</td>
</tr>
<tr>
<td></td>
<td>Forward tuning</td>
<td>Forward tuning radio</td>
</tr>
<tr>
<td></td>
<td>Back tuning</td>
<td>Backward tuning radio</td>
</tr>
<tr>
<td></td>
<td>Main Menu</td>
<td>Click to back to main menu</td>
</tr>
<tr>
<td></td>
<td>Back</td>
<td>Click to go back to last interface.</td>
</tr>
<tr>
<td></td>
<td>Automatically search</td>
<td>Search and save band automatically.</td>
</tr>
</tbody>
</table>
2.3.2 RDS
Radio Interface with RDS Icon details as below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA</td>
<td>Traffic Announcement</td>
</tr>
<tr>
<td>AF</td>
<td>Alternative Frequencies</td>
</tr>
<tr>
<td>PTY</td>
<td>Program Type</td>
</tr>
<tr>
<td>REG</td>
<td>Regional Link</td>
</tr>
</tbody>
</table>

Click TA symbol to light up, it can source automotive the station which can broadcast traffic information, the system will source once every minute, it will stop to display traffic matter when we get the news; and it will directly go back to the situation after traffic information displays.

Click AF symbol to light up, RDS can switch to the station which has stronger signal when the frequency is weak, but the content of RDS station will not change, just move to the other frequency. Meanwhile it only can source RDS station.

Click PTY symbol to light up, RDS radio display type. When the received RDS station, the corresponding PTY information is automatically displayed.

Click REG symbol, it will only search the RDS stations with the same national area code (P1 8-bit representation of the high country area code) of the current RDS station. If REG is not highlighted, you can search RDS station while ignoring the area code (excluded the high 8-bit P1 code).

2.4 Bluetooth Wireless Connection
You could create a wireless connection between a mobile phone and this device for data exchange.

Note: ① There may be prohibition or restriction for Bluetooth devices, please abide by local laws.
② In order to ensure bluetooth security by the greatest degree, you should in safe and non-public place when connecting a Bluetooth device.

2.4.1 Startup Bluetooth Application
Under the default status, the bluetooth would be turned on when the power is connected. Panel "PHONE" key to quickly enter the Bluetooth interface.

2.4.2 Bluetooth Pairing
The whole information of the Bluetooth interface, the mobile search auto-complete matching (the default passkey: 0000) Matching refers to the mutual recognition process of two Bluetooth devices for the first communication. After the first connection, the subsequent communication connection will automatically pair and not have to pair every time. (depending on mobile phones).

Press \[ \] in Bluetooth pairing interface, it will get into the status of the Bluetooth search mode and this machine is searching for Bluetooth devices around, press \[ \] again will automatically terminate the search state.

Choose the Bluetooth device name on the search results to match connection. It will automatically after the connection is successful jump to the matching list, and there will be a Bluetooth icon besides the successful connected Bluetooth devices.

Note: The following operations are performed in the Bluetooth pairing success and connect under the conditions of operation.

2.4.3 Bluetooth Phone Book
In the Bluetooth interface, click \[ \] to enter the Bluetooth Address book interface. And follow the \[ \] download the phone book.

A list of dial-up operation when long names and numbers are used to scroll the display

**Bluetooth Phone Book Interface**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td>Download phone book Again after the download is complete, click the phone is the search function</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td>Download mobile phone SIM card phone book Again after the download is complete, click the phone is the search function</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td>All download mobile phone book</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td>Delete all phone book imported</td>
</tr>
</tbody>
</table>

2.4.4 Phone

2.4.4.1 To achieve the dialing function via Bluetooth
In the Bluetooth interface, click \[ \] to enter into the Bluetooth Dial interface.
1. Click numbers on the interface, if the input is wrong, click \( \text{Backspace} \) to delete.

2. Click \( \text{End Call} \) after entering phone number; click \( \text{End Call} \) to end up the call.

3. Are on a call, press the \( \text{Hands-Free Switch} \) switch to the phone call, press \( \text{Mute} \) for MIC.

4. Function keys on the panel are unavailable when in the call; the function keys return to normal after hang up.

2.4.4.2 To achieve the called function via Bluetooth

When the mobile phone is connected with Bluetooth device and there is an incoming call, the interface is divided into two situations:

1. In the Bluetooth Application Interface
2. In other function interfaces

Note: Click \( \text{Hands-Free Switch} \) the call is pickup the phone, and click \( \text{End Call} \) means to hang up, the small window will automatically disappear.

2.4.5 Call Record

In the Bluetooth interface, click \( \text{Hands-Free Switch} \) to enter into bluetooth call history interface. Click for doing dial operation.

Remark: When the names and numbers are long, they would be displayed rollingly.

<table>
<thead>
<tr>
<th>Missed calls</th>
<th>Received calls</th>
<th>Dialed calls</th>
<th>Delete all call information</th>
</tr>
</thead>
</table>

2.4.6 Bluetooth Music

In the Bluetooth interface, click \( \text{Bluetooth Music} \) into Bluetooth Music Interface.

When connected with bluetooth mobile phone, it can operate play/pause/down music function.

Note: Some kind of mobile phones need to start playing music player for bluetooth music when using bluetooth music function.

2.4.7 The whole Bluetooth hardware settings

In Bluetooth interface, enter the Bluetooth settings screen.

- **Device name**: The head unit name when searching on phones
- **PIN password**: Pair settings
- **Auto connect**: Automatic connection
- **Auto answer**: Automatic answer

- \( \text{Click to back to main menu.} \)
- \( \text{Click to go back to last interface.} \)
- \( \text{Back to matching the main interface} \)

2.5 3G Application

Applications> Settings
- Wireless and Network
- Mobile network
- Access Points

2.5.1 Allow data roaming

Applications> Settings
- Wireless and Network
- Mobile network

(1) Click data roaming, select OK.

(2) If the recognition is successful, the access would automatically identify the type of 3G device to populate the appropriate access automatically, as shown below:

**Note**: please confirm data roaming open, otherwise you cannot use the 3G function.

2.5.2 Set the access point information

Use 3G, please 3G module connected to the USB interface, and available to confirm insert a 3G card.
1. Enter the system main interface.

2. Select the "Settings" to enter the main interface.


4. Select Mobile networks, enter the mobile network settings of the main interface.

5. First make sure the "Data roaming" is selected, if you have no choice, point the "Data roaming" pop-up menu, select "Ok".

6. Results shown in Figure 7. Choose the successful:

7. In the Apn the main interface, select New APN network behind the circle, so that it is selected can.

8. Select "Menu" button on the machine panel, pop-up menu option.

9. Select "Save" to save the settings content, and return to the main interface of Apn settings.

10. When the following interface pops up, make sure that Step 1 is complete, press Home to return to the main interface, then repeat 1-15 steps:

2.6 Multimedia

2.6.1 Equalizer

Applications > Equalizer

Click equalizer application icon into the equalizer interface. Or click to enter into EQ Setup operation in all audio or video playing interface. Equalizer settings interface is divided into two functions: namely, equalizer and sound field settings function.

Equalizer settings interface

Balance Setup Interface

1. In the equalizer settings interface provides 8 kinds of audio playback mode choose:
   Note: In the Normal mode, users can customize effects model through the effect adjuster.

2. In the field setting interface the user can freely adjust the bass and loudness of the contrast, the user can also on the front left, front right, left, right after the four angularly audio settings, as shown below: Balance Setup
   Note: the subwoofer adjustment is only effective when it is linked to external 5.1 amp.
2.6.2 DVD Play

Insert the DVD disk the system will automatically enter the DVD interface and read the disk information automatically when a disk is detected and then start to play normally.

Function details as below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Play/Pause Icon" /></td>
<td>Play/Pause</td>
<td>When playing, click it to pause. When pause, click it to continue playing.</td>
</tr>
<tr>
<td><img src="image2.png" alt="Next Track Icon" /></td>
<td>Next Track</td>
<td>Click to play the next track or next chapter.</td>
</tr>
<tr>
<td><img src="image3.png" alt="Last Track Icon" /></td>
<td>Last Track</td>
<td>Click to play the last track or next chapter.</td>
</tr>
<tr>
<td><img src="image4.png" alt="Fast Forward Icon" /></td>
<td>Fast Forward</td>
<td>Click to fast forward increasingly as by 2X, 4X, 8X, 20X. DVS: Click to fast forward increasingly as by 2X, 4X, 8X, 16X, 32X.</td>
</tr>
<tr>
<td><img src="image5.png" alt="Fast Backward Icon" /></td>
<td>Fast Backward</td>
<td>Click to fast forward increasingly as by 2X, 4X, 8X, 20X. DVS: Click to fast forward increasingly as by 2X, 4X, 8X, 16X, 32X.</td>
</tr>
<tr>
<td><img src="image6.png" alt="Extended Function Icon" /></td>
<td>Extended function</td>
<td>Used to eject the expansion function.</td>
</tr>
<tr>
<td><img src="image7.png" alt="Title Icon" /></td>
<td>Title</td>
<td>Click to show title (need disk support).</td>
</tr>
<tr>
<td><img src="image8.png" alt="Cycle Play Mode Icon" /></td>
<td>Cycle Play Mode</td>
<td>Click to set up playback mode. DVD: Chapter cycle / heading cycle / full catalog circulation / cycle cancellation; VCD: single cycle / all cycle / cycle cancellation.</td>
</tr>
<tr>
<td><img src="image9.png" alt="Random Play Mode Icon" /></td>
<td>Random Play Mode</td>
<td>Options for ON and OFF, ON, switch on the next song, random play.</td>
</tr>
<tr>
<td><img src="image10.png" alt="Channel Switch Icon" /></td>
<td>Channel Switch</td>
<td>Click to switch in different languages and audiotracks (need disk support).</td>
</tr>
<tr>
<td><img src="image11.png" alt="Subtitle Icon" /></td>
<td>Subtitle</td>
<td>Click to switch subtitle display (need disk support).</td>
</tr>
<tr>
<td><img src="image12.png" alt="EQ Setup Icon" /></td>
<td>EQ Setup</td>
<td>Click to enter into EQ setup interface.</td>
</tr>
<tr>
<td><img src="image13.png" alt="Main Interface Icon" /></td>
<td>Main Interface</td>
<td>Click to back to main interface.</td>
</tr>
<tr>
<td><img src="image14.png" alt="Back Icon" /></td>
<td>Back</td>
<td>Click to go back to the last interface.</td>
</tr>
</tbody>
</table>

2.6.3 CD Player

Insert a CD disc, the system will automatically enter the CD interface, when a disc is detected, it will automatically read the disk information and start normal play.

Function details as below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image15.png" alt="Play/Pause Icon" /></td>
<td>Play/Pause</td>
<td>Click to play or pause.</td>
</tr>
<tr>
<td><img src="image16.png" alt="Next Track Icon" /></td>
<td>Next Track</td>
<td>At one time to play the next song, press down roll list for tracks.</td>
</tr>
<tr>
<td><img src="image17.png" alt="Cycle Play Mode Icon" /></td>
<td>Cycle Play Mode</td>
<td>Click to set up playback mode.</td>
</tr>
<tr>
<td><img src="image18.png" alt="Random Play Mode Icon" /></td>
<td>Random Play Mode</td>
<td>Click to set the random playback mode.</td>
</tr>
<tr>
<td><img src="image19.png" alt="Last Track Icon" /></td>
<td>Last Track</td>
<td>Click to play the last track or next chapter.</td>
</tr>
<tr>
<td><img src="image20.png" alt="EQ Setup Icon" /></td>
<td>EQ Setup</td>
<td>Click to enter into EQ setup interface.</td>
</tr>
<tr>
<td><img src="image21.png" alt="Main Interface Icon" /></td>
<td>Main Menu</td>
<td>Click to go back to main menu.</td>
</tr>
<tr>
<td><img src="image22.png" alt="Back Icon" /></td>
<td>Back</td>
<td>Click to go back to the last interface.</td>
</tr>
</tbody>
</table>

2.6.4 iPod Play

Application> iPod

Click the iPod application icon to enter into the iPod play interface, just as shown below.
### 2.6.5 Audio Play

Audio player supports the following formats:
- mp3/aac/flac/wav/amr/m4a/ogg

**Application > Music**

Click music application icon to enter into the music player interface, as shown below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Play/Pause" /></td>
<td>Play/Pause</td>
<td>Click to play or pause.</td>
</tr>
<tr>
<td><img src="image" alt="Next Track" /></td>
<td>Next Track</td>
<td>Click to play the next track.</td>
</tr>
<tr>
<td><img src="image" alt="Last Track" /></td>
<td>Last Track</td>
<td>Click one time to replay the current track; Click twice to play the last track.</td>
</tr>
<tr>
<td><img src="image" alt="Fast Forward" /></td>
<td>Fast Forward</td>
<td>Press to fast forward.</td>
</tr>
<tr>
<td><img src="image" alt="Fast Rewind" /></td>
<td>Fast Rewind</td>
<td>Press to fast rewind.</td>
</tr>
<tr>
<td><img src="image" alt="Cycle Play Mode" /></td>
<td>Cycle Play Mode</td>
<td>Click to set up play modes: sequential play, single cycle, the whole catalog circulation.</td>
</tr>
<tr>
<td><img src="image" alt="Random play" /></td>
<td>Random play</td>
<td>Click to start random play mode or cancel random play.</td>
</tr>
<tr>
<td><img src="image" alt="Artists" /></td>
<td>Artist</td>
<td>Click to play the iPod's song in the form of an artist.</td>
</tr>
<tr>
<td><img src="image" alt="Albums" /></td>
<td>Album</td>
<td>Click to display the iPod's song in the form of an album.</td>
</tr>
<tr>
<td><img src="image" alt="Songs" /></td>
<td>Song</td>
<td>Click to display all the songs in the iPod.</td>
</tr>
<tr>
<td><img src="image" alt="Playlists" /></td>
<td>Play List</td>
<td>Click to display the listed songs in the iPod.</td>
</tr>
</tbody>
</table>

### 2.6.6 Video Playing

Supporting form of the video player: mp4/avi/wmv/3gp/flv/saf/mov/mkv/mpg

**Application > Video**

Press Video application icon to enter into video player interface, take a photo for example.

The detail of the button function of video playing interface:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Play/Pause" /></td>
<td>Play/Pause</td>
<td>Press Pause when play / Press Play when pause</td>
</tr>
<tr>
<td><img src="image" alt="Forwards Fast" /></td>
<td>Forwards Fast</td>
<td>Click to forwards fast</td>
</tr>
<tr>
<td><img src="image" alt="Backwards Fast" /></td>
<td>Backwards Fast</td>
<td>Click to backwards fast</td>
</tr>
</tbody>
</table>

### 2.6.7 Digital TV

**Application > Digital TV**

Click analog TV application icon into the digital TV interface

The details of digital TV function interface are as below.

**Note:**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Menu" /></td>
<td>Menu</td>
<td>Click to back into menu</td>
</tr>
<tr>
<td><img src="image" alt="Back" /></td>
<td>Back</td>
<td>Click to back into last content</td>
</tr>
<tr>
<td><img src="image" alt="EQ" /></td>
<td>EQ</td>
<td>Click to enter into EQ interface</td>
</tr>
</tbody>
</table>

For more details of description of the digital TV, please refer to the digital TV instruction.
2.6.8 Analog TV
Application > Analog TV
Click Analog TV Icon to enter into Analog TV playing interface, details as below.

2.7 AUX IN Function
To ensure after video source under the normal state when it works.
Application > AUX IN
Press screen to come out a hide menu, click to enter into EQ setting interface, it can adjust EQ effects, click to back into last content, click to back into system menu.

2.8 Rear View
Auto start reverse gear, such as with a mirror, the system switches to the rear-view mirror screen output automatically, audio output sound still; if not equipped with rear-view mirror, the system remains the same player.

3 Firmware Upgrading
3.1 preparing for upgrade
1. Firstly, format your SD card for what you use to firmware upgrade

3.2. Update MCU
3.2.1 copy "318a2e70-44bf-11e1-b1cf-000c29ba27c0" to the root directory of SD card and Inserted into the machine SD card slot.
3.2.2 Start to update MCU(Settings->General->MCU update), click OK

3.2.3 Wait for the upgrade is completed. The system will automatically restart after the upgrade is completed, please don't Ignition or shut down during the upgrade process.

3.3 Update system
3.3.1.copy "u-boot-skip.bin, ulimage, uramdisk.img, system. img" to the root directory of SD card, and Inserted into the machine SD card slot.
3.3.2. Shutdown
3.3.3. Press and hold any panel buttons , and boot, the system will enter the upgrade interface automatically.
3.3.4 The system will automatically restart after update. (The system will enter the touch screen calibration interface after the restart, please complete it.)
3.3.5. If one or more errors occur, please Ignore and repeat step 2 to step 4.

3.4. Update DVD
3.4.1 Burn "dvdrom.bin" to CD-ROM, and inserted into the machine dish mouth
3.4.2 Wait for the update is complete.
3.4.3 Eject the disc

<table>
<thead>
<tr>
<th>Icon</th>
<th>Button Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📡</td>
<td>Main Menu</td>
<td>Click to back into menu</td>
</tr>
<tr>
<td>📡</td>
<td>Auto search</td>
<td>Automatic search and save</td>
</tr>
<tr>
<td>←</td>
<td>Last channel</td>
<td>Switch to last channel</td>
</tr>
<tr>
<td>→</td>
<td>Next channel</td>
<td>Switch to last channel</td>
</tr>
<tr>
<td>⏯</td>
<td>Search previous channel</td>
<td>Click on the search on previous channels</td>
</tr>
<tr>
<td>⏯</td>
<td>Search on the next channels</td>
<td>Click on the search on the next channels</td>
</tr>
<tr>
<td>🗂</td>
<td>The list</td>
<td>Search list</td>
</tr>
<tr>
<td>=settings the topmost content</td>
<td>Back</td>
<td>Click to back into last content</td>
</tr>
</tbody>
</table>
4. Trouble handle
When your equipment met troubles, please check the problems as below.

<table>
<thead>
<tr>
<th>Item</th>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
</table>
| 1    | Unable connect to the network | ① See 3G Card is installed correctly  
② to make sure the correct and proper 3G terminal operator’s SIM card  
③ weather launched 3G card data  
④ Mobile data roaming setting is connected or not.  
⑤ APN weather selected  
⑥ Whether 3G card arrears |
| 2    | It can’t to save and mention "MCC" must 3 letter. | Check the 3G card install right or not. |
| 3    | Can’t install applications. | ①. Verify that the install application suffix is named "APK"  
②. Enter into Setting to select unknown sources |
| 4    | When the Bluetooth paired success, sometimes will be mentioned connect failed | ①. Some cellphones with Android system may occur this problem at the first connection. Please just find the paired device in matching list and then connect them once more.  
②. The unsuccessful connection is compatibility issues between cell phone and Bluetooth. If this occurs, please check the options in pair list of your cell phone. And you will find that the setting of Bluetooth Media and Mobile Media has been turned off. Turn on them and the connection will be successful. |
| 5    | How to install applications | First, please copy the application files with suffix ".APK" to your SD or U disk. And the following are installation methods:  
1. Click into the document management interface to find the SD card or U disk directory, and then select the ".APK" suffixed application file and click to install.  
2. Find the Setting interface—Applications—install application,  
3. select the ".APK" suffixed application file and click to install. |
| 6    | How to uninstall users APK application | Interface Setting—Applications—Uninstall Applications. To click the uninstallation APK Applications |
| 7    | Radio can’t research channels | to check the radio antenna whether connected and have signal before use it. |
| 8    | No voice | System is muted or not |

5. Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Media can’t be recognized from SD card</th>
<th>prohibit hot-swappable SD card</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>3G, WiFI can’t be recognized</td>
<td>prohibit hot-swappable 3G/WIFI</td>
</tr>
<tr>
<td>10</td>
<td>MUSIC, RADIO and third-party application mixes, can not turn off the MUSIC, RADIO</td>
<td>Long press panel Back to exit the system MUSIC RADIO mode, again into third-party applications can</td>
</tr>
</tbody>
</table>

5. Display screen part
- Screen dimension: 7" / 6.2"
- Screen type: TFT
- Response time: Response ~30ms, fall ~50ms
- Pixel: 384,000 Pixels
- Angular field: Top view ~65°, bottom view ~40°, Left view ~65°, Right view ~65°
- Ambient temperature:
  - Operating temperature: -20°C ~ 70°C
  - Storage temperature: -30°C ~ 80°C
- Operating humidity: 45% ~ 80%(Relative humidity)
- Storage humidity: 30% ~ 90%(Relative humidity)

5. Package Contents
- CarPC 1
- GPS antenna 1
- Remote control (optional) 1
- Metal fasteners and screws 1
- iPod and USB cable 1
- User manual 1
- WiFi dongle 1
- Power cable 1
- Magnetic Digital TV antenna (optional) 1
- User Manual 1

6. Operating voltage: DC 12V
- Operating voltage range: 10-16V
- Maximum operating current: 10A
- Installation size: 167x78x100mm
- Installation angle: The front and rear inclination is less than 30°

7. FM radio part
- Frequency range: 87.5~108MHz (Europe)  
87.5~107.9MHz (America)  
36 stations preset
- Sensitivity: (30dB) 128dB
- SNR: (50dB) 150dB
- Frequency response range: 30Hz~15KHz (±3dB)

8. AM radio part
- Frequency range: 522~1600KHz (Europe)  
530~1710KHz (America)  
18 stations preset
- Sensitivity (SN=20dB): 20dBuV
- Mirror-image suppression: 60dB
- Frequency response: 50Hz~2KHz (±3dB)

9. DVD/CD play part
- Compatible discs and format:  
- Audio SNR: 85dB
- Dynamic range: 95dB
- Frequency response: 50Hz~2KHz (±3dB)
- Digital audio sampling: 24bit
- Electronic shock protection (ESP):  
DVD: 2~3 seconds  
CD-DA: 10s  
MP3: 100s  
WMA: 200s
- Mechanical shock protection: 10~200Hz, X/Y/Z: 1.0G
- Power output: 4×45W, impedance 4 Ohm  
- SNR: 70dB