

W series

W1.7 User Manual

Car Radio Head Unit

Reminder: Before using this device, please read the manual safety and law information

Foreword

Thanks you for purchasing our W series products. Please read the user manual carefully before use and keep it will for feature reference.

The use of certain features of these devices depends on your network service provider's network settings and performance. In addition, due to the different network service providers, some certain functions of this device may not be able to apply or restrict to apply. And please contact your network service provider for consulting the network functions and availability of this device.

If any parameters change when Products continue to update and upgrade their functions, will be added to make without notice. Any problem please check the details with the agent, thank you for your support and cooperation!

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Safety Notice

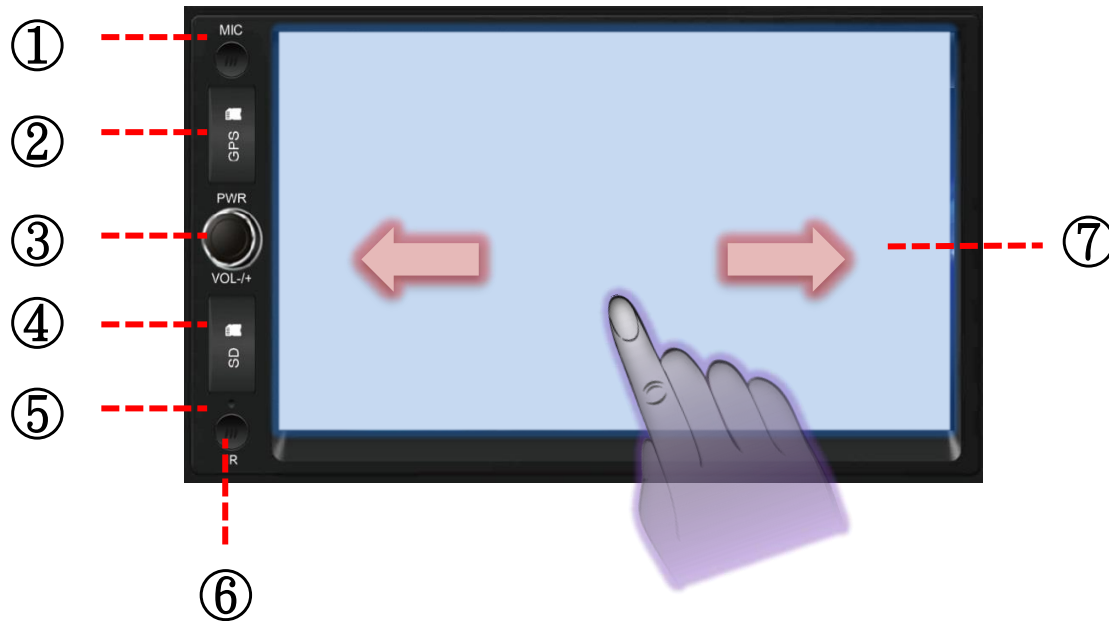
- For your safety, do not watch and operate the devices when driving. When you are driving, please turn down the volume to extent that you can clearly hear the sound outside the car.
- Please be careful of the traffic safety while you are using GPS and observe traffic regulations.
- If there is difficulty in operating this system, please park your car in a safe place for operation.
- Install the Apps only on vehicles with a DC + 12 V battery. If your vehicle (e.g.: truck) has a 24V battery, the use of a step-down converter is essential.
- Do not use it in places where electronic equipment of fire is forbidden, like gas station, winery, and electromagnetic interference, or it might cause danger.
- Do not maintain or repair this device by untrained or authorized engineer.
- Do not let children operate this devices.
- Avoid keeping the devices under direct sunlight, and do not place it in harmful environment.
- It is forbidden to scrap LCD with sharp object. Do not press LCD hard with hard object or it might cause to LCD or touch screen.
- To ensure the normal operation of the devices, avoid fire or electric shock. Do not expose it in damp air, and spill quid on it.

Reminder:

As this manual is intended for common use and may not cover each feature of every device, the actual product shall prevail.

Before the Operation

Front View



1) Microphone

Bluetooth hands free MIC.

2) GPS Micro SD Card Slot

For navigation map data

3) Power Key

- Long press into power standby
 - Turning knob to adjust volume
 - Click to switch mode between function & navigation.
- (If navigation not open) turn the navigation on

4) Micro SD Slot

For media files such as video/audio/apps

5) Reset Key

Reset to factory default

6) Microphone

Enhance Bluetooth hands free MIC.

7) Touch Panel

Touch an icon to get to the corresponding function.

Main Menu Interface



1) Analog Clock
Current time (Auto-sync by GPS)

2) Home Button
Return to the main menu

3) Setting Button
Enter into the setting interface

4) Mute / Back Light Button

- Click to mute the volume
- Long press to turn the screen off

5) Volume Button
Pop-up dialog allows you to adjust the volume

6) Time
Current time

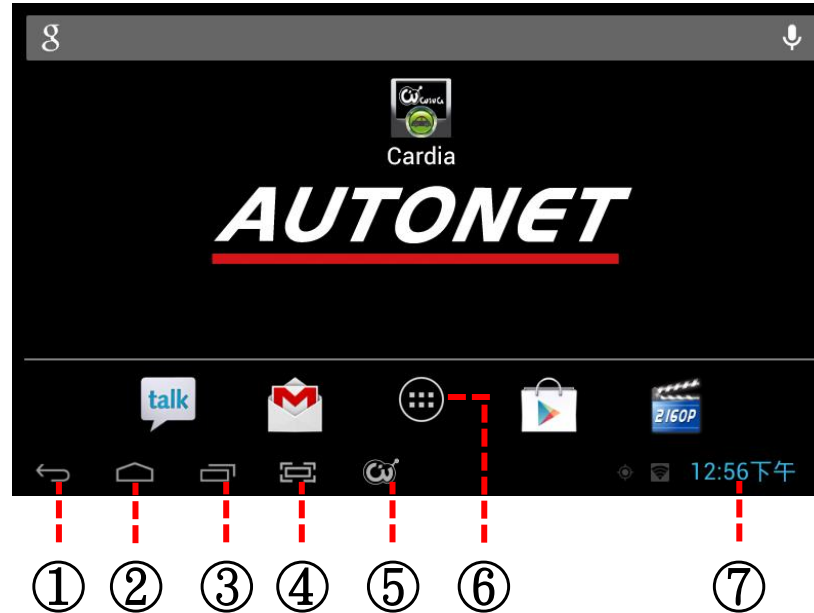
7) Close Button
Close cardia app, then return to Android home page

8) Hide Button
Hide the function menu

9) Date
Current date (Auto-sync by GPS)

Android Operating System

After you close Cardia app. You still 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.



1) Return button

In any interface, press **【RETURN】** to back to previous interface.

2) Home button

In any interface press **【HOME】** to return to the main screen. And display the application icon in the main screen.

Android Operating System

- 3) **Fast-Manu button**
Open the list of recently used programs.
- 4) **Screen Shot button**
To take screenshots of W7 screen
- 5) **Wiva Home button**
Switch function between Cardia APP and Android OS
- 6) **Function button**
Display the application icon in the main screen interface, click any application icon to open the program.
- 7) **Indicators**
Icons on the left down of the screen are notifications for messages and events.
If it 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.

Reminder:

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.

Special Instructions

1. In reversing state, Please don't operate W series products.
2. Air Media and A-Mirror is applied by the Wi-Fi to deliver data streaming. The application condition is depended on smartphone processor and Wi-Fi signal condition.
3. Power Back up condition and SD/ USB media last memory condition.

Mode	Requirement After ACC-Off	W7 system condition.
Standby Mode 1	within 6minutes	W7 is under standby pause mode.
Standby Mode 2	over 6 minutes Less 5 days	Large capacity hard disk uninterrupted playing multimedia content. SD card up to 64G/ USB 16G (depends on USB flash brand) W7 support last memory playback
Shut Down Mode	over 5 days	W7 go under deep sleep mode. Restart Acc-On, W7 will be re-initial

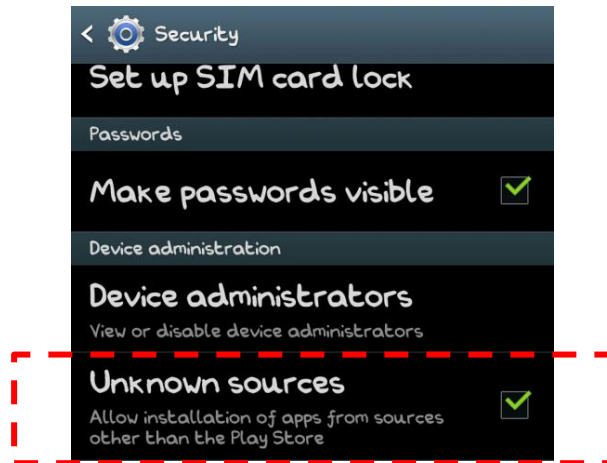
4. **Media playback compatible:**
Audio support format: MP3/WMA
Video support format: AVI/VOB/WMV/RMVB/MP4/FLV/MPG/MKV/MOV/3GP
5. **Using Air Media to play multimedia files, when left the playing interface then it could stop to play.**

Special Instructions

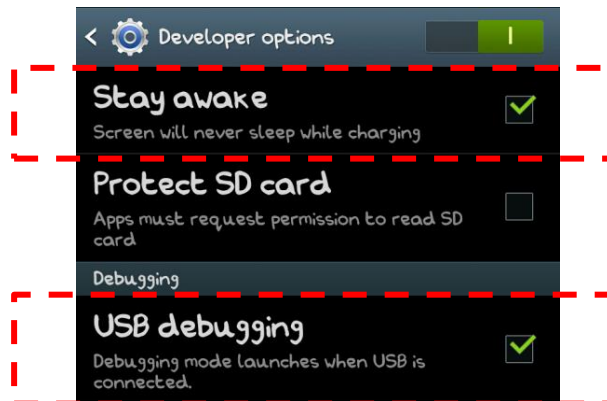
6. Air Media and A-Mirror Link Smart Phone Requirement.

Smart Phone: USB setup condition Notice

- Supports smart phones with Android 2.3 ~ 4.2 OS
- W7 should activate smart phone's Personal/Security/devices administration / then checked Unknown sources allow the other app to install.

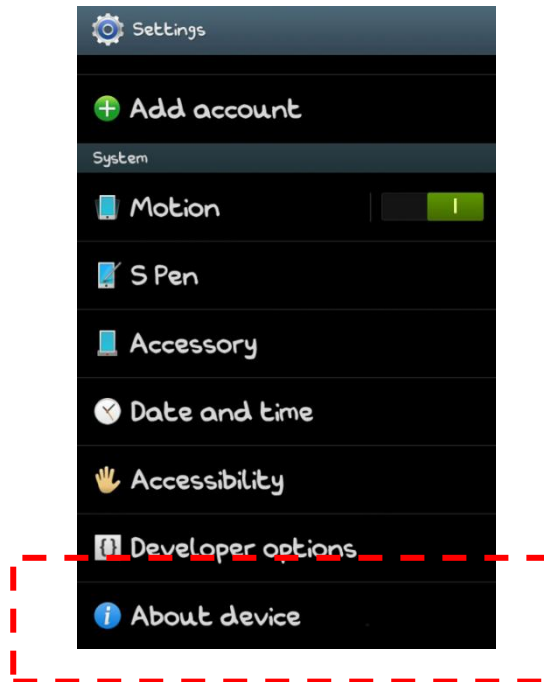


- Go to smart phone's Settings/Developer options/ to agree the terms of USB debugging and Stay awake



Special Instructions

- If the Smart phone does not show USB debugging. Please go into Settings/About devices, and then press **7 times** for Build Number. Then USB debugging will appear in Settings/Developer options.



Function Operations

Setting



- 1) **Setting:** Enter into Setting menu interface
- 2) **Sound:** Enter into Sound setting interface
- 3) **Wallpaper:** Enter into Wallpaper setting interface

4) **Video Warming:**

-  Ban watching videos while driving.
-  Allow watching videos while driving.

5) **Touch Sound:**

-  Turn on key tones
-  Turn off key tones

6) **Wi-Fi/Hotspot**

-  Turn on wireless network
-  Turn on Wi-Fi hotspot

7) **BackCar Vol.**

To Adjust speaker volume while parking

8) **Parking Assist**

-  Show parking assist grid lines on screen
-  Close parking assist grid lines

Setting



9) Brightness

 According current time to auto adjust the screen brightness

 When turn on headlamp, auto adjust the screen brightness

10) Luminance: To adjust the luminance

 Default Luminance

 Low Luminance

 Mid Luminance

 High Luminance

11) Contrast:

To adjust the contrast on the screen

12) Saturation:

To adjust the saturation on the screen

13) User DeF. Vol.

Set the default volume when open the car's ACC power.

 Open User Def. Vol.

 Keep volume value output before shut down car's ACC power

Setting



14) Steering Control: Enter into Steering Control interface

15) Factory Setting: Enter into Factory Setting interface(not available for user)

16) GPS Monitoring: Enter into GPS Monitoring interface

17) Wiva Software License Agreement: Enter into license agreement interface

18) Information: Enter into about W7 information interface

Steering Control



A steering control interface can be used to connect your vehicle's steering wheel controls to your W7.

- 1) Click the button as you want then it will flashing .
- 2) Click the corresponding on the wheel, there will be changed to yellow color on the corresponding button at the screen.
- 3) Repeat step 1 and 2 till you complete all the buttons' setting on the steering wheel.
- 4) Click **【SAVE】** to ensure that the steering wheel setting is completed.

Reminder: If you want the steering wheel button to re-learn, press the **【RESET】** Repeat 1, 2, 3, three steps

GPS Monitoring

1) GPS Reset: Refresh GPS signal



This function can monitor the state of GPS, show the longitude and latitude of GPS, the speed, the movement of distance, the time of determine and the direction of needle, can be used for car against theft/determine system/determine and track system. (Should be connect with GPS signal first).

Information



In Information interface, you can check the product system model, Android version, firmware version, BT serial number, Wi-Fi AP NAME/PWD, version number, etc.

Sound

Setup operation in all audio or video playing interface. Sound settings interface is divided into two functions: namely, EQ and Sound field settings function.

1. EQ



The equalizer allows you to adjust low, medium and high frequencies to your preferences. There are 6 default presets to adjust frequencies, you can also adjust the frequencies manually. And Loudness can be compensate for frequencies lost at low-to-medium listening levels.

2. Sound Field



In a sound 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.

Press  and dragging it to any where you want.

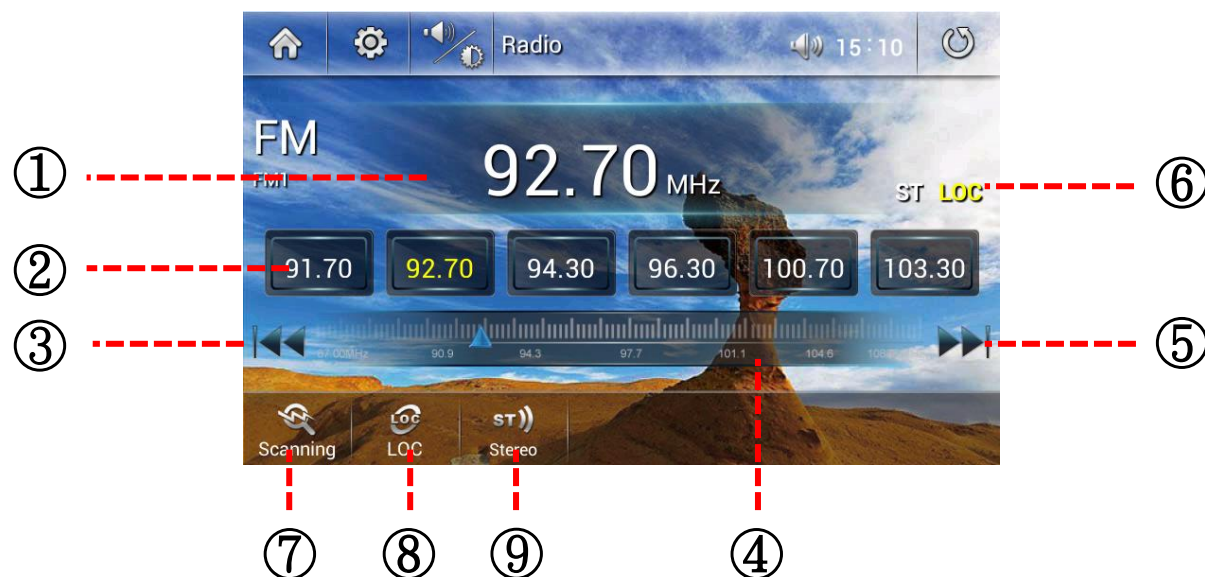
Wallpaper

On the interface, press pictures as you like then the picture become the wallpaper on the any interface of background.



FM Radio

To slide your finger horizontally to the left then you will discover more radio stations. The total stations of the radio have FM1-FM5. (total: 30 channels)



1) **Station Frequency:** Indicate current station.

2) **List of radio stations:**



- Click icon to play the radio stations.
- Press icon one second to memorize your favorite radio stations.

Tuning stations:

- 3)  • Click icon into lower frequency fine tune search.
• Press icon to search lower frequency then stop when find strong and clear stations.
- 4)  Press and dragging icon into semi-automatic search status.
- 5)  • Click icon into higher frequency fine tune search.
• Press icon to search higher frequency then stop when find strong and clear stations.

FM Radio

- 6) **Radio State:** Indicate current Radio's LOC/ST state.
- 7) **Scan:** Scanning and stored automatically into the list of radio stations.
- 8) **LOC:** Setting for radio location sensitivity.
- 9) **ST:** To turn the stereo on/off

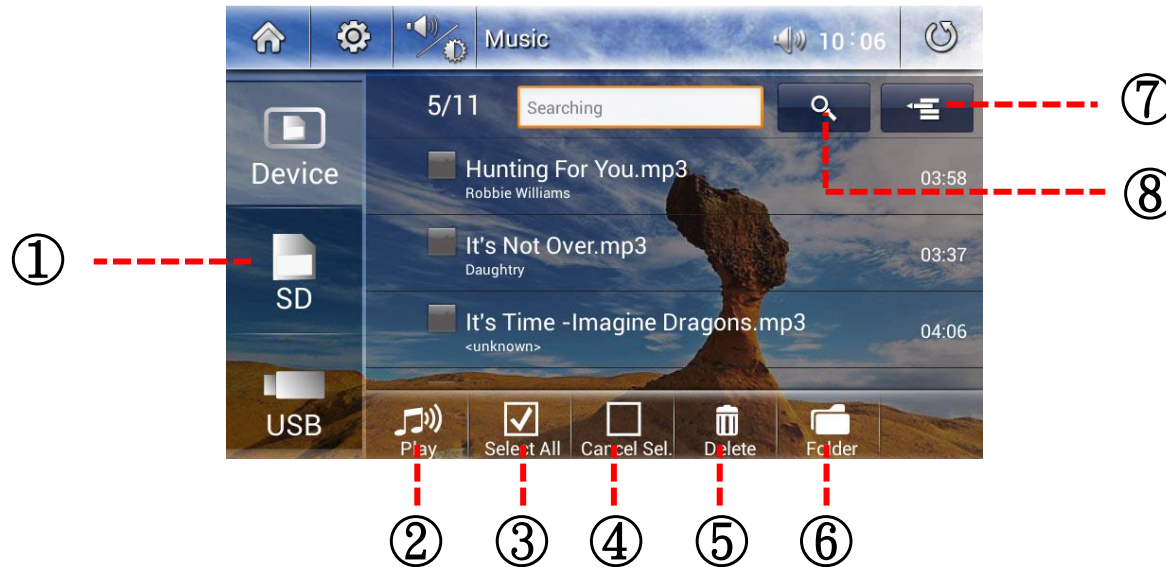


To get the list of all available stations and memorize stations . At this interface you can also press **【PLAY】** to turning a station.

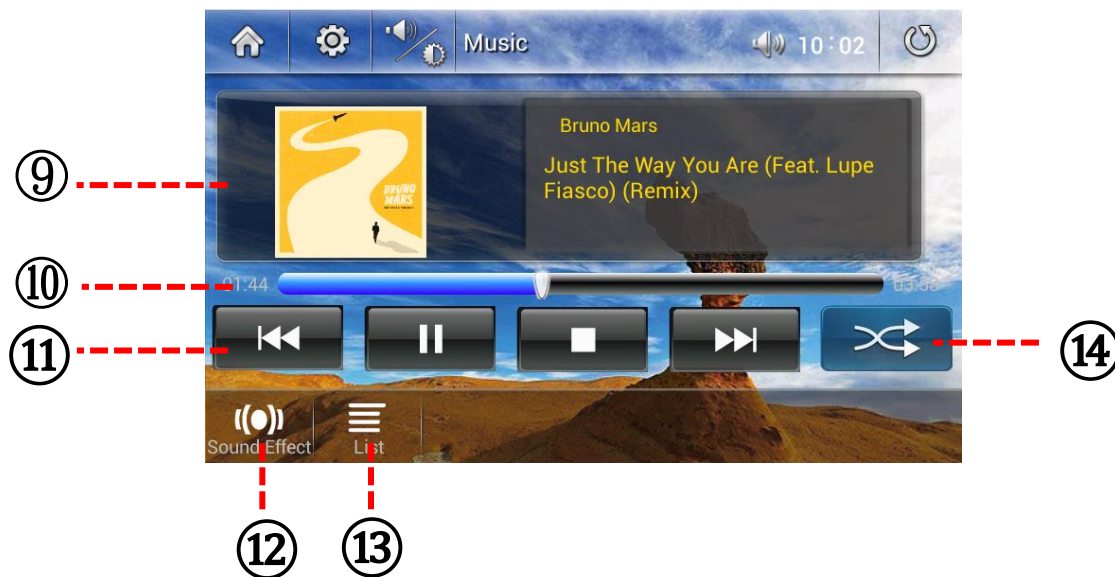
Multimedia Player

1. Music play

There are 4 selections inside the music feature, Device / SD / USB / Wireless (linked air media). And supports the following formats: mp3/wma



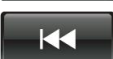
- 1) **Music File List:** Click to display the file.
- 2) **Play:** Click check box to chose your preference then press **【Play】** to play music, also you can click the song which in the list.
- 3) **Select All:** To select all of the music.
- 4) **Cancel Sel.:**To cancel which you have been selected.
- 5) **Delete:** To delete the which you have been selected. (only in Device list)
- 6) **Folder:** To display the folder of music.
- 7) **Index:** Click to go to play music of list interface
- 8) **Search:** Enter the keyword in then click icon directly, to search which contain the artist / album that you selected will appear.



9) **Music ID3:** To display the music's id3.

10) **Progress Bar:** Drag  icon and you can select your prefer part to play.

11) **Function operation:**

-  Click to switch between play and pause music
-  Click to stop music
-  Click to turn to the next music
-  Click to turn back to the previous music

12) **Sound Effect:** Enter into sound effect setting interface.

13) **List:** Back to music list.

14) **Play Mode:**

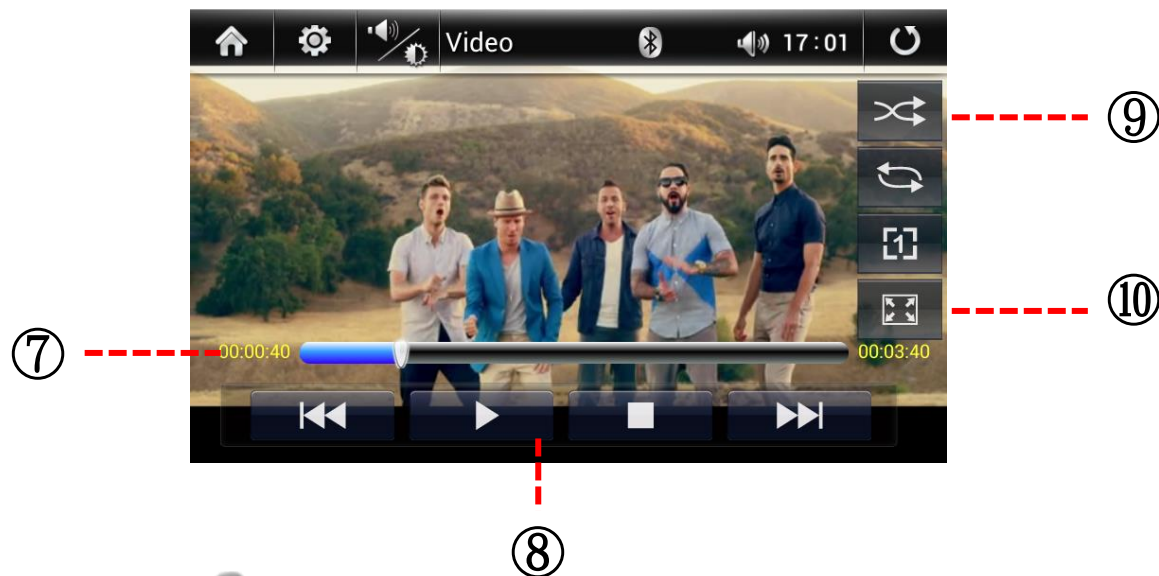
-  Repeat mode
-  Cycle play all mode
-  Cycle play once mode
-  Random play mode

2. Video play

There are 4 selections inside the video feature, Device / SD / USB / Wireless (linked air media).
And supports the following formats: avi/vob/wmv/rmvb/mpeg/mkv/mov/mp4/3gp



- 1) **Video File List:** Click to display the file.
- 2) **Play:** Click check box to chose your preference then press **【Play】** to play video, also you can click the video which in the list.
- 3) **Select All:** To select all of the music.
- 4) **Cancel Sel.:**To cancel which you have been selected.
- 5) **Delete:** To delete the which you have been selected. (only in Device list)
- 6) **Search:** Enter the keyword in then click icon directly, to search which contain the artist / album that you selected will appear.



7) **Progress Bar:** Drag  icon and you can select your prefer part to play.

8) **Function Operation:**



Click to switch between play and pause video.



Click to stop video



Click to turn to the next video



Click to turn back to the previous video

9) **Play Mode:**



Random play mode



Cycle play all mode



Repeat mode

10) **Display Mode:**



Click to adjust aspect ratio (Full/4:3/16:9)

Navigation

1. Entry and Exit

- You can click **【PWR】** and **【NAVI】**  to enter into navigation feature then it will start and auto search your location now.
- To click  and  back to Cardia. At the moment, navigation continues and won't stop until you close it.

2. Other function within Navigation

If you shift from the Radio / Multimedia Player/ DVB-T / Bluetooth music / AUX interface to navigation feature, the sound can be listened at the background.

3. Phone Call

A User friendly feature when got phone call while driving. Phone call information will display on screen.



Navigation view



Navigation menu

Reminder:

Operation Navigation feature, please refer to the NAVI KING User Guide.

Navigation

4. Notice

- Make sure the GPS Antenna is connected. First time use Navigation mode, W7 may need few minutes to receive the satellite signal and update current position. If the current position is in the tunnel, or under the bridge, or near the high building, etc. The GPS signal might be too weak to update the current position.
- For your safety, Please set up your destination before driving. Do not operate the navigation during driving.
- It may be happened some error between satellite positioning and real condition. W7 System should correct the error automatically, but error might remain. At this moment, Please drive under the real condition.
- Due to the city construction and fast development of traffic development, navigation map should keep on updating on time. During driving, if you found the navigation guidelines is different from the read condition, please following the real condition.

Bluetooth

The system features with Bluetooth hands-free communication function, You could create a wireless connection between a smart phone and W7 for data exchange.

1. Setting

- 1) **Bluetooth Indicators:** Indicate Bluetooth connection status.
- 2) **Connect Button:** To switch Bluetooth connect or disconnect.
- 3) **Bluetooth SN:** The Bluetooth series number provide searching for smart phone.
- 4) **Auto Answer:** To allow auto-answer when the phone call.



- Before using the BT hands-free communication function, please pair and link it with your smart phone first. Under the default status, the Bluetooth would be turned on when the power is connected press smart phone in Bluetooth pairing interface, it will get into the status of the Bluetooth

Bluetooth

- search mode and this machine is searching for Bluetooth devices around, press again will automatically terminate the search state.
- The whole information of the Bluetooth interface, the smart search auto-complete matching (the default passkey:0000 、 1234)

Reminder:

- Since there are various brands of smart phone, their BT module is different from each other. So when it comes to the practical use, some of the functions might be different, even some of them might not compatible with our unit, please forgive for this.
- There may be prohibition or restriction for Bluetooth devices, please abide by local laws.
- In order to ensure Bluetooth security by the greatest degree, you should in safe and non-public place when connecting a Bluetooth device.

Bluetooth

2. Dial Out

5) Indicators:

To display the Bluetooth communication status and phone number

⑦ 6) Dialing Operation:



Click to dial after entering phone number



Click to delete, If the input is wrong



Click to end up the call

7) Numeric Keyboard:

Input number through this keyboard



3. Contact List

8) Dialing Operation:



To download all the phone book information to the head unit

9) Contact list:

To display your phone book



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

Bluetooth

4. History

10) Call Record List:

To display the call record

11) Call Record Operation:

-  Click to display received calls
-  Click to display Miss calls
-  Click to display Dialed calls

12) Dial Switch:

To switch the sound between car's speaker and smart phone.

5. Bluetooth Music

13) Bluetooth Music Operation:

-  Click to switch between play and pause music
-  Click to stop music
-  Click to move up music
-  Click to move down music



⑩

⑫



⑬

AUX

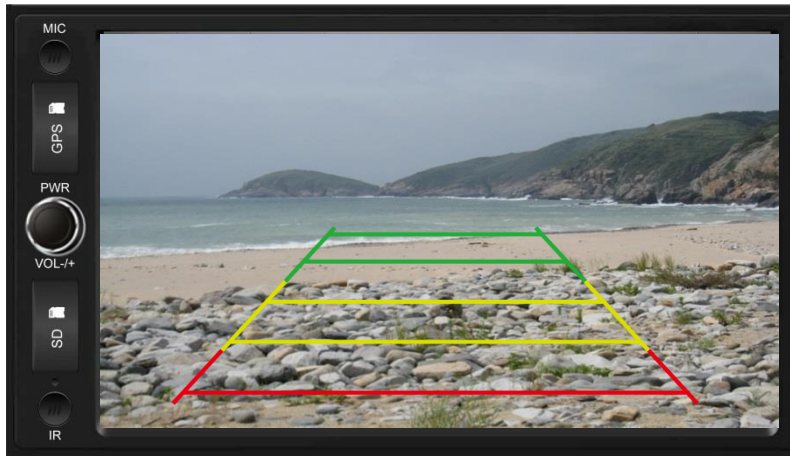
When You can click **【AUX】** icon to enter AUX feature then it will start playing video if has signal input, if not No Signal will display on the screen.



CCD

If your vehicle is equipped with a rear view camera, you can use W7 display to view the video stream of this camera in order to ease your reverse parking.

The video stream of the rear view camera appears automatically while reversing or press **【CCD】**  and the image from the rear view camera may appear.



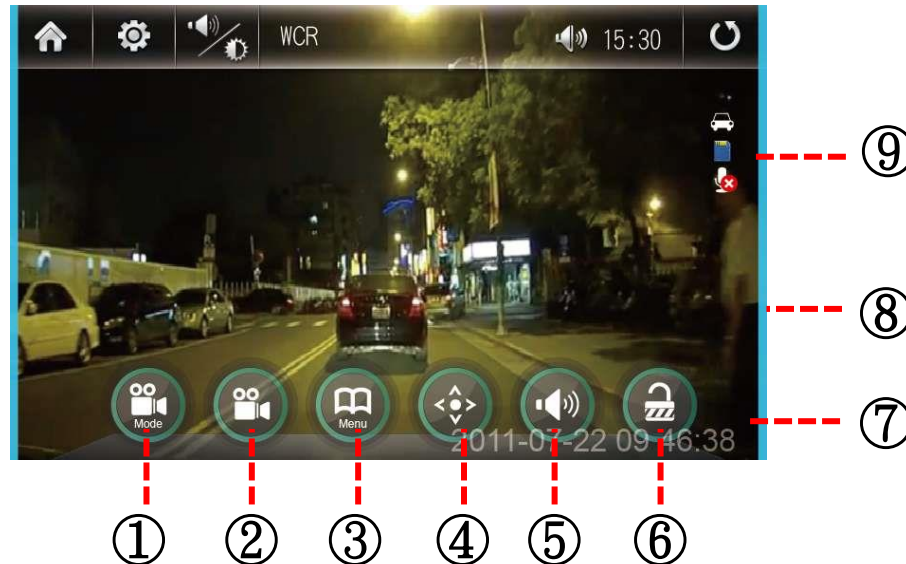
CCD(rearview)



Backview

WCR

Wiva Camera Recorder utilizing USB to connect with head units, comply with European Union regulations for no built-in batteries. WCRs integrate functions for driving recordation, which allow users to utilize the head unit screen to operate, take pictures, and browse files.



1) **Mode Button:** Click to switch the working mode.

2) **Feature Button:**



Record Button: To record driving video or not.



Play Back Button: Listing of all the informations / events / pictures



Screen Shot Button: To take screenshots of the recorder view

3) **Menu:** To check WCR settings

4) **Direction Keyboard:** To pop-up a keyboard and allow you check/operate on the screen.

- 5) **Volume Setup:** To record driving audio or not.
- 6) **Lock:** Lock screen.
- 7) **Time:** WCR current time
- 8) **LDWS:** The system will auto position and warn the driver if the vehicle is leaving its lane.
- 9) **Indicators:** Icons on the left of the screen are notifications for messages and events.



Reminder:

Operation Navigation feature, please refer to the WCR User Guide.

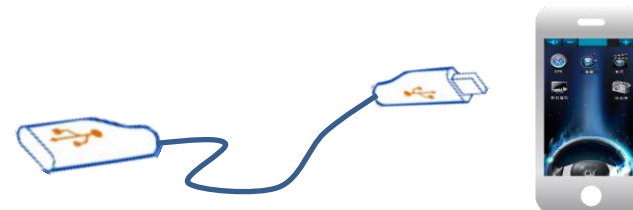


Air Media

Autonet's self-designed and -developed application "Personal Remote Control" supports smart phones with Android 2.3-4.2 OS and allows free operation of the five main functions of the telematics head unit.

1. Startup Air Media Feature

- Before you using Air Media, make sure the smart phone (Settings/Developer options) has agree the terms of USB debugging and Stay awake.(Page. 10)
- First time link the smart phone to W7, please connect the USB/smart phone extension lead to the USB cable port. W7 will install Air Media APP to the smart phone automatically. Or the smart phone could be downloaded Air Media APP from Google Play. (Please search: Airmedia or Autonet)
- W7 head unit Wi-Fi system could be setup 2 kind of mode **【Wi-Fi】** and **【Hotspot】** (Page. 12)



2. Air Media operation

- Smart phone



- Head unit



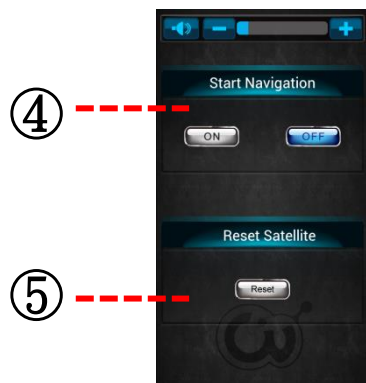
- 1) **Mute Button:** Click to mute the volume.
- 2) **Feature Button:** Click to control the five features in head unit.
- 3) **Setup Button:** To setup the wireless Wiva AP and password.
- 4) **Volume Button:** To synchronous adjust the volume.
- 5) **Connection Button :** To indicate wireless has connected or not and also can click to get controller.
- 6) **Close Button :** To close Air Media APP.
- 7) **Air Media Indicate:** Display how many smartphones has linked and which one is the controller.

● Air Media in Radio function



- 1) Indicate current station
- 2) Press to search then stop when find strong and clear stations
- 3) To play the memory stations

● Air Media in navigation function



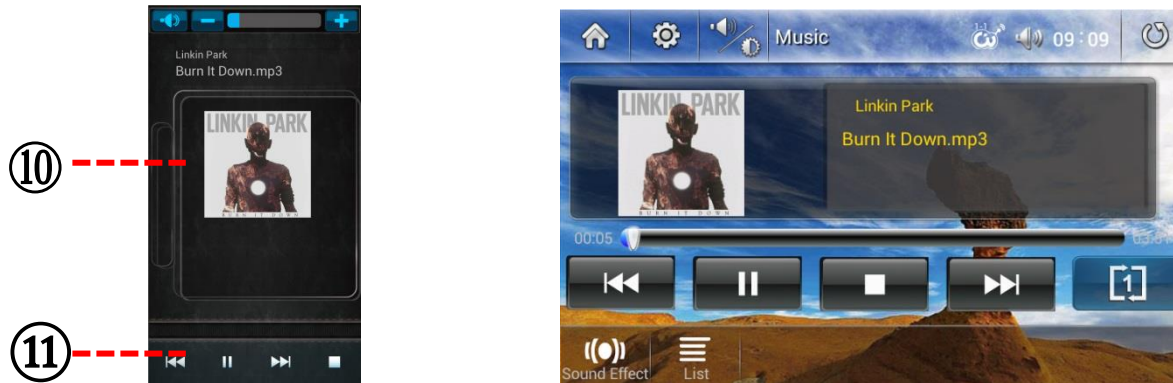
- 4) To switch Navigation On/Off
- 5) Reset GPS

● Air Media in video function



- 6) Keyword search
- 7) Display smart phone video file

● Air Media in music function



- 8) Current music ID3.
- 9) Function operation (Page. 22)

Reminder:

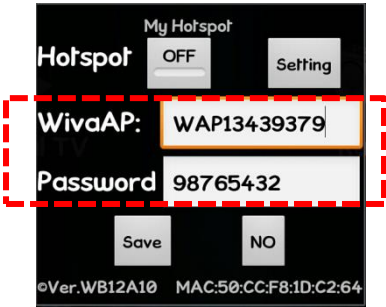
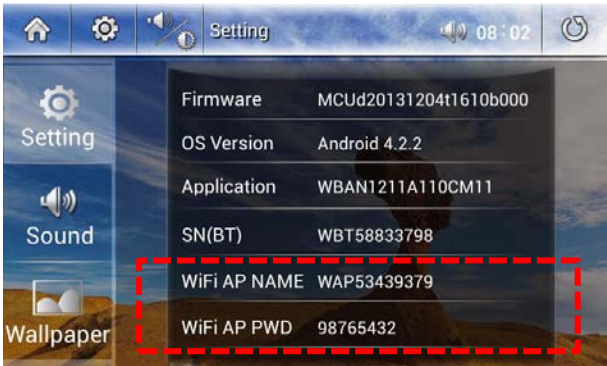
- Click  on the smartphone which can gain control on your devices.
- Head unit could link 3 smartphones at a same time, and show a numbers on the top right of screen like 2-1
 - The “2” indicate there are 2 smartphones linked W7 at the same time.
 - The “1” indicate which one smartphone is the controller of W7.

• **MODE 1 (Hotspot)**

Step 1: Chose W7 as mobile hotspot.



Step 2: W7 link to the smartphone at first time, it would be auto-input Autonet AP and password to the smartphone, and check Wiva AP and Password then please press “Save”.



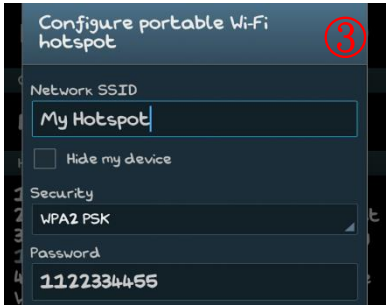
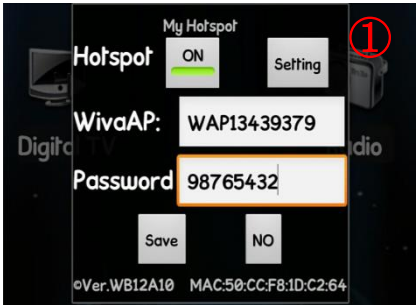
Step 3: Please wait 10~15 seconds. The system wills connection automatically. Following picture shows, make sure the smartphone has linked W1/W7's AP.



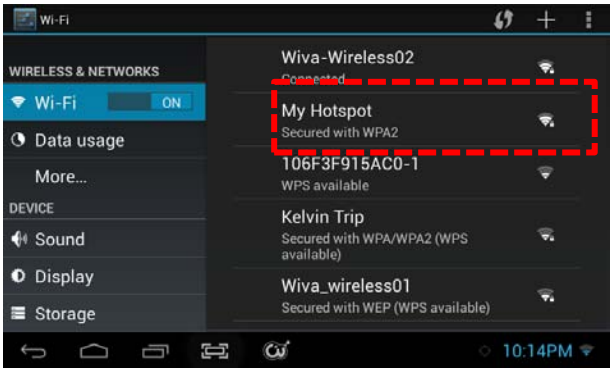
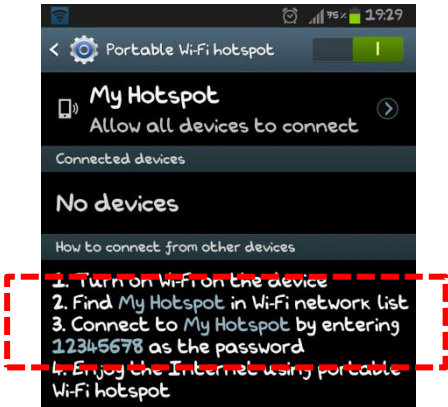
Step 4: After linked successful then it can be disconnected the USB cable.

• **MODE 2 (Wi-Fi)**

Step 1: Chose Smart phone as mobile hotspot, you should turn on smart phone's hotspot first. In Air Media, press Setting automatically enter into Android/Setting/Tethering and Portable hotspot interface, in this interface you can change Network SSID and Password



Step 2: W7 will automatically enter into Android/Setting and searching smart phone Wi-Fi hotspot and then link it.



Step 3: Following picture shows, make sure the smart phone has linked W7 AP.



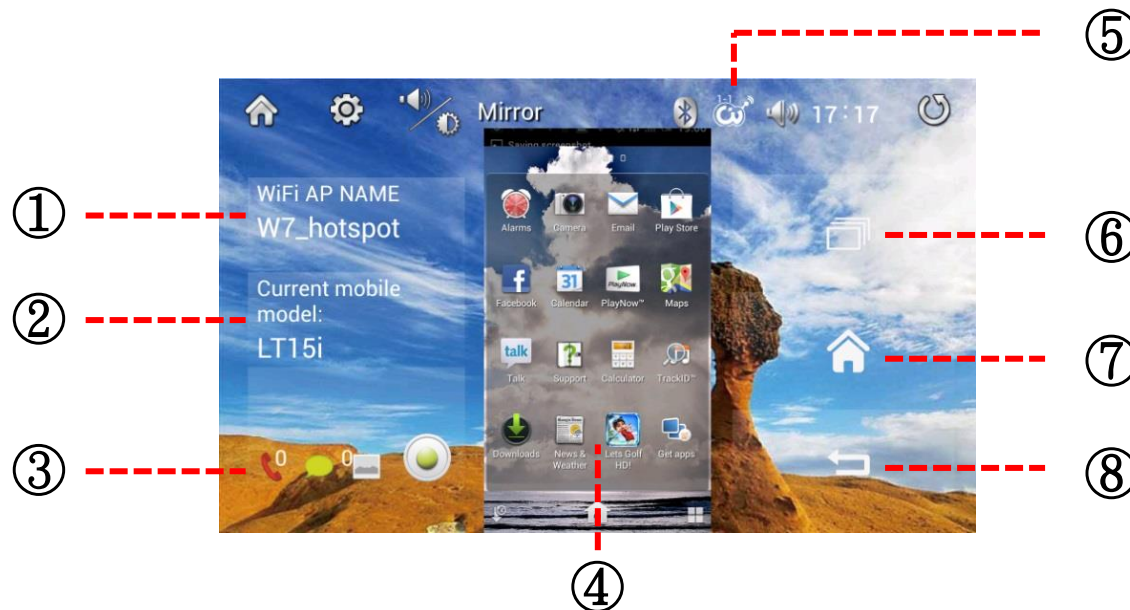
A-Mirror

Autonet's patented wireless transmission technology, W7 settled Wi-Fi by hot spot. The smart phone display could be displayed on W7 simultaneously and allowed dual-way operation.

1. Startup A-Mirror Feature

- First using A-Mirror, the smartphone should pair to head unit and the head unit will auto switch to be as a hotspot mode.
- The smartphone have to connect the USB/smart phone extension lead to the USB cable port. W7 will install Air media APP to the smart phone and initialization it automatically.
- If the A-mirror can't install automatically, please to re-connect W7 with the smartphone that the system re-initializes.

2. A-Mirror Operation



- 1) **WiFi AP NAME:** Display the wireless access point.
- 2) **Current Mobile model:** Display which smart phone are mirroring.
- 3) **Function Operation:**
 -  Click to display missed calls of smart phone.
 -  Click to display unread message of smart phone.
 -  Click to display gallery of smart phone.
 -  Click to interrupt mirror feature.
- 4) **Mirror Screen:** Synchronize display/operation between smartphone and head unit.
- 5) **Mirror Indicate:** Indicate now in mirroring mode and display how many smart phone are linking.
- 6) **Menu Button:** Menu hotkey of smart phone .
- 7) **Home Button:** Home hotkey of smart phone.
- 8) **Return Button:** Return hotkey of smart phone.

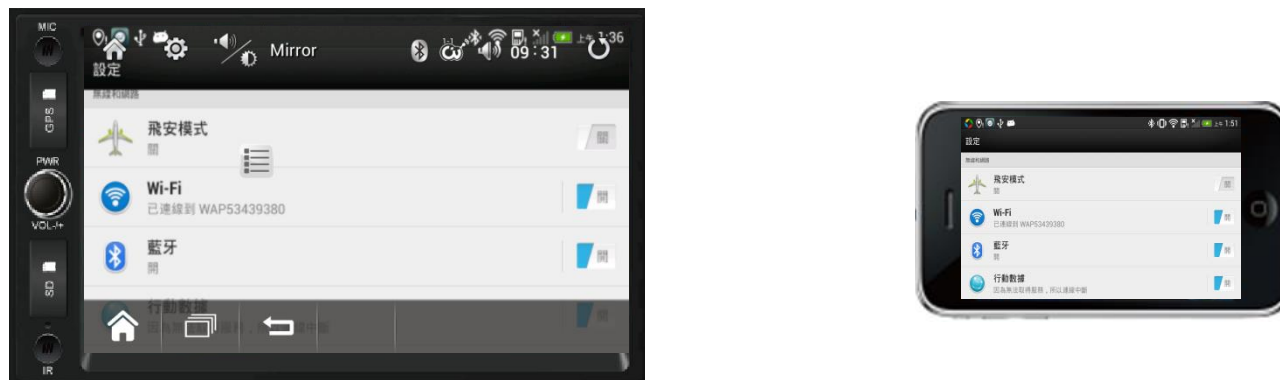
Reminder:

- **It's only can display static screen in A-Mirror (e.g., Gallery, Contacts, Brower, etc.)**
- **Every smart phone has own display resolution so not all smart phone can mirror success.**
- **A-Mirror also support horizontal screen if smart phone has turn on its screen rotation.**

- **Air Media linked 3 smart phone at a same time**



- **A-Mirror in horizontal screen**



Trouble Shooting

Q: Can't not entry navigation interface.

A: Make sure the Navi King navigation's map data has correct.

Q: Smart phone can't install Air Media automatically through USB cable.

A1: Use original factory equipped USB cable.

A2: Make sure USB debugging is open if not, please go to Google Play Store searching "Airmedia" or "Autonet"

Q: When the Bluetooth paired success, sometimes will be mentioned connect failed

A1: 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.

A2: 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 smart Media has been turned off. Turn on them and the connection will be successful.

Q: Radio can't research channels

A: to check the radio antenna whether connected and have signal before use it.

Q: Play music/video or Navigation no voice

A: System is mutes or not, then check the default volume.

FCC Statement

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.

CAUTION:

To assure continued FCC compliance:

1. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
2. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.