

# User Manual

2DIN-AD27-001A

# Cautions

## Cautions :

1. Please operate the device in strict accordance with this operating manual. Any damages of the device due to improper operation will not be covered by the warranty
2. Do not operate the device while driving.
3. Do not use this device while at the gas station.
4. Stop using the device in case of thunderstorm.
5. Please turn off the device when vehicle engine shutdown to avoid consumption of the car battery.
6. Do not use the rear camera of the device as the only visual basis while backing your car:
  - 1) The product will not work when the battery is out of power.
  - 2) The performance of the optional rear camera of the device may be affected by weather and lighting condition. In the event of bad weather and poor lighting, its performance may be reduced, especially when using it during nights

## Cautions for touch screen:

1. The touch screen may be scratched easily, please don't use metal or other hard objects on it to avoid scratch or other permanent damage of the screen
2. Use soft cloth or other soft items to clean the screen. If you need to use the detergent, please don't choose those contain organic solvent in order to avoid damage of the film on the surface and influencing the display performance of the screen.
3. Any malfunctions of the touch screen due to scratches by hard objects will not be covered by the warranty.

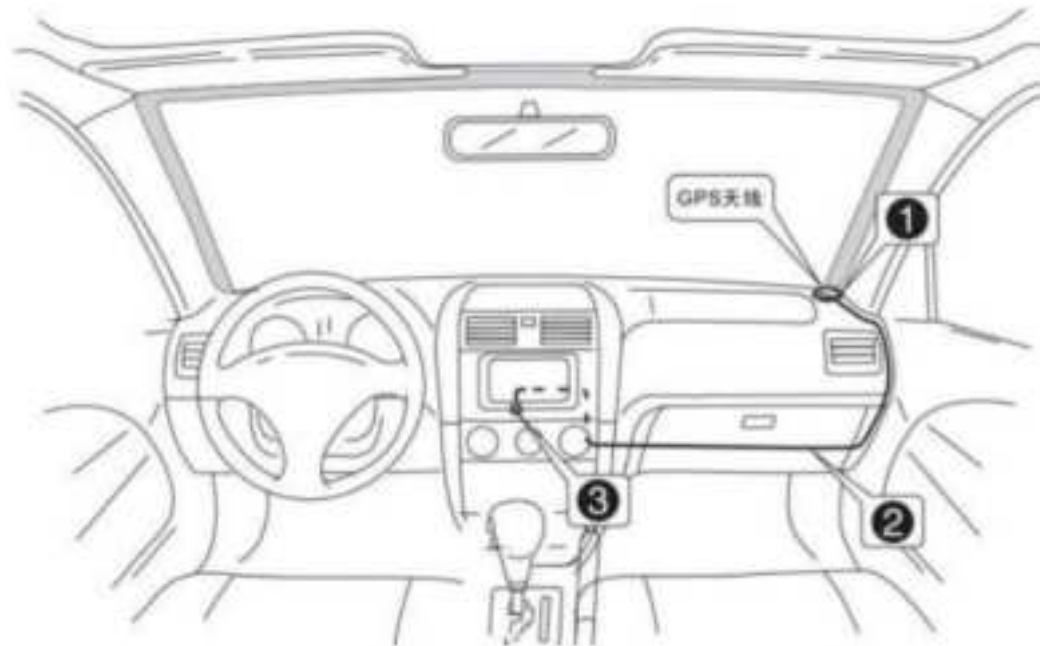
**Antenna installation:** Recommend to install the GPS antenna on the dashboard or rear shelf. The antenna should be installed on a level surface facing the sky to minimize blockage of radio waves. A vehicle fitted with tempered or tinted glass may weaken the reception signal from the GPS antenna.

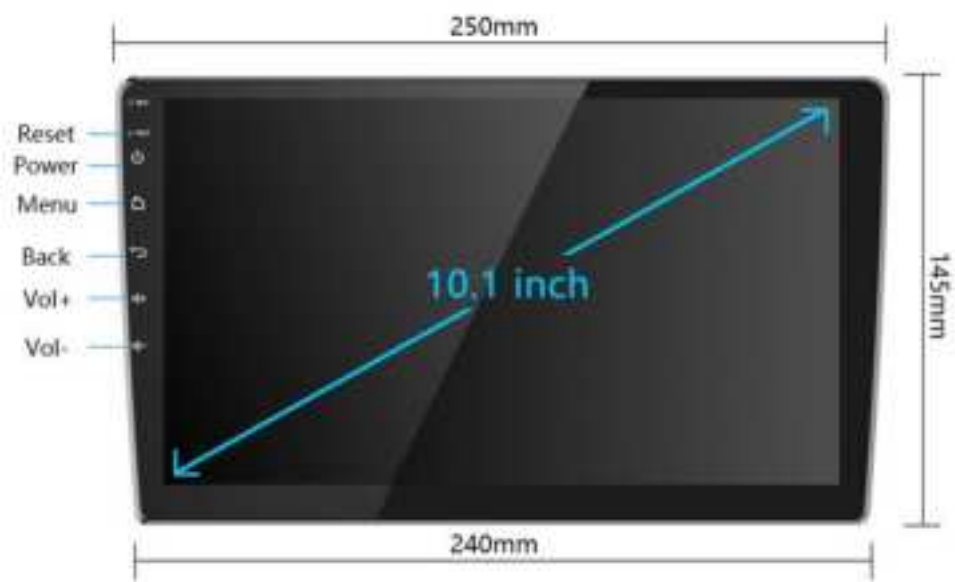
**GPS Installation Guide:** Before attaching the GPS antenna, please make sure to use the correct cleaner to clean the designated area. After cleaning, tear off the back of the tape and press to place the GPS antenna.

Remove the side cover, route the cable through the storage box until it reaches the machine control panel. The cable should be secured with a cable tie. Connect the GPS antenna plug to the machine.

## Notes:

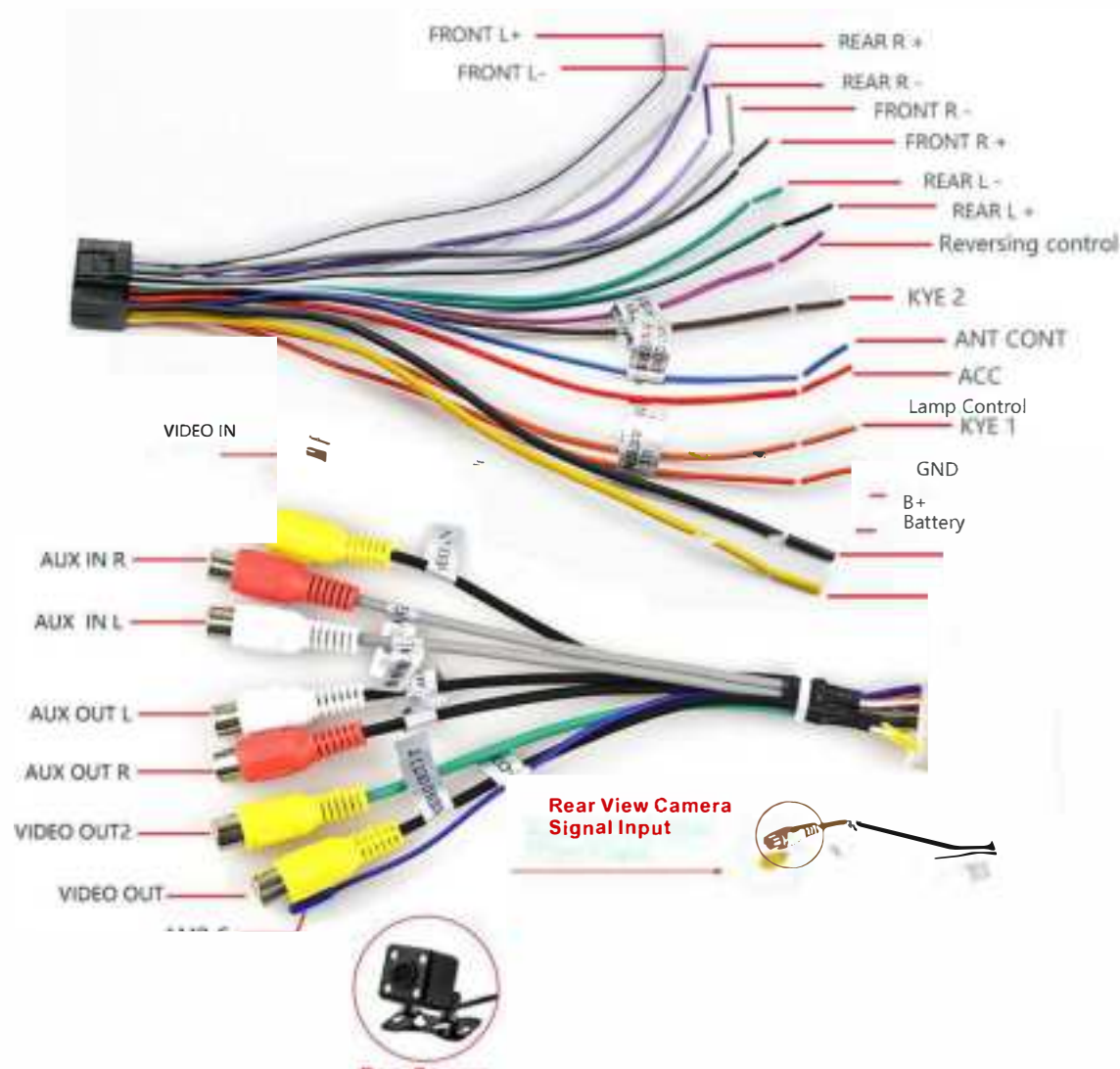
1. Please make sure the system is powered off when connecting to the GPS antenna.
2. Please do not shorten or lengthen the GPS cable. Changing the cable length may cause a short circuit or malfunction that may damage the product.
3. The antenna should be installed on a flat surface where radio waves will be blocked as little as possible, otherwise it will affect the navigation accuracy.
4. Please do not interfere with the GPS antenna with the steering wheel or gear lever, because it can be dangerous.





Do not interfere with this layer during installation





## Wiring and Installation:

1. "ACC": Connect the car ignition detection cable
2. "B +": Connect it to the positive terminal of the car battery.
3. "GND": Ground / Iron / Negative battery.
4. "KEY1 / KEY2": Only one of the cables is selected for wiring depending on the compatibility of the model and the steering wheel control system. If you use two steering wheel controllers, you need to connect 2 cables.
5. "BACK": Connects to the rear camera input port.
6. "Lamp Control": Connect it to the small lamp in the front of the car to turn on the button backlight.
7. "ANT CONT": Connect the car radio antenna (no antenna, no wiring).
8. Signal Input: Connect to the input port of the reversing camera.
9. "Audio / Video": Note: "AMP-CON" cable has no output voltage and must supply the amplifier or subwoofer via the car's ACC ignition cable.
10. **If can not turn on, please email us:**

**[Auto96martus@163.com](mailto:Auto96martus@163.com)**

## CAMERA WIRING:

1. RCA cable: yellow port. Insert into CAM-IN port (yellow) on the radio

2. Camera's power cable: red and black.

Red wire connect to the positive of reverse light, black wire to the negative of reverse light.

3. Trigger cable: cable named "reversing control" on the radio backside harness, according to the wiring diagram label on machine bottom. . --- Connect this cable to the positive of reverse light. When you pull the reverse gear, the device will show rear view image automatically.

**Note 1:** the short red cables beside the RCA port don't need to connect.

**Note 2:** For different radio and producing, wires color and function may be changed slightly. Please refer to the wiring diagram on the bottom of the radio as standard.

### 4. How to confirm if the camera is good?

After connected the camera power cables, For LED light camera, if LED lights up, camera is good. For IR light camera, cover the camera lens by your hand, if the IR light is up, camera is good.

5. There is a video shown how to connect camera in the page, you can watch it.

IF miss camera or accessory or broken, please message us.



## Features:

- 10 inch big screen, capacitive touch, 1080P HD display
- 2.5D arc edge anti-scratch tempered glass screen
- Efficient heat dissipation
- Android system
- GPS Navigation
- WIFI, Bluetooth 4.0, Dual USB
- FM Radio
- Loseless music
- IOS/Android Phone Mirror Link
- Support backup camera input
- Steering wheel control
- Support car logo change
- RCA ports: 1\*video-in, 2\*video-out,2\*aux-in, 2\*aux-out,1\*camera-in

## Specifications :

System: Android

Chipset: 8227L-DEMO

Screen size:10.1"

RAM + ROM: 1 + 16 GB

Screen resolution:1024\*600

Mirror link: Android/IOS

Radio chip: NXP6851

Power output:4\*45W

Work temperature:-40℃-80℃

Steering wheel control function:Support

Bluetooth version:4.0

Radio Band: FM

Video output:Support

Maps: Built-in offline maps

WIFI:Support

USB:Double USB interface

Car logo change:Support

Audio format:APE/FLAC/WAV/MP3/WMA etc

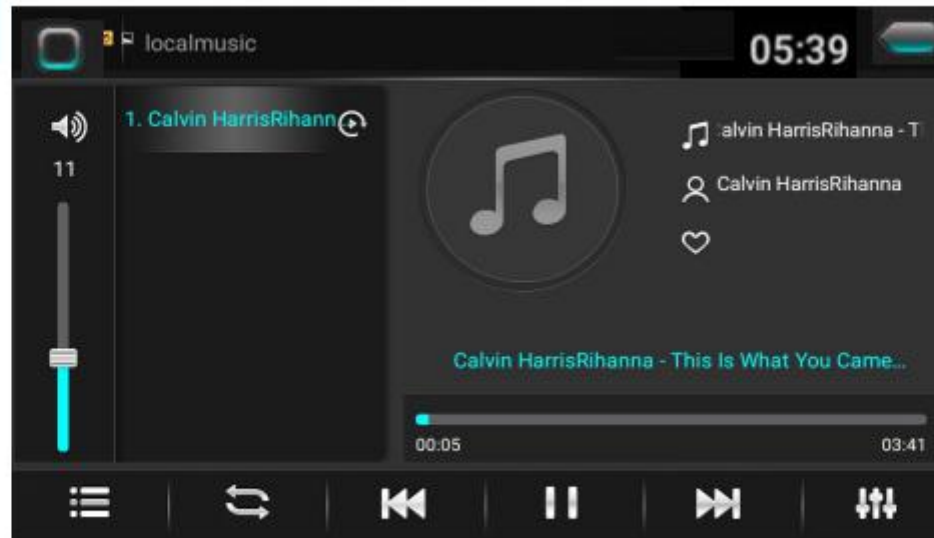
Video format:MKV/RMVB/AVI/MP4/MDV etc










Picture format:PNG/JPEG/JPG/GIF/WBMP/BNP etc

Factory setting keyword:8888



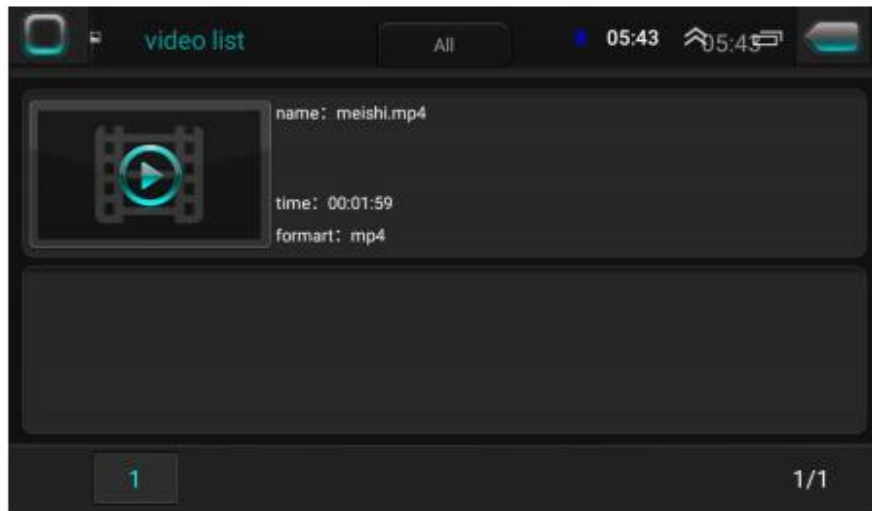
## 1. Music player



- Intelligent navigation
- Click on the "Intelligent Navigation" icon to enter the navigation state  
In the navigation state, only GPS navigation-related functions can be performed on the screen. If you need to do anything else, you need to exit the navigation first.
- Navigation music function  
In the network music / super CD/ local music / world broadcast / local radio / Bluetooth music state switch to GPS navigation, can normally enjoy the original state of music, when there is a navigation prompt, the system will automatically switch to navigation voice prompt state.
- Function operation
- This machine has the function of touching handwritten input destination query, please refer to the operation help of navigation interface for the operation of navigation function.
- Local music
- Click the "Local Music" icon to enter the local music playback interface (this machine must have a SD card or USB port and corresponding media files) Touch icon description
-  : On the music list, you can play songs that you like to choose from different styles
-  : Loop play mode switch
-   : previous / next   : Pause / play  : Sound effect setting  : Return to the previous menu
-  : Back to the main interface




## 2. Video player




➤ Click the "Video" icon to enter the video list interface (this machine must have a SD card or USB port and corresponding media files)



➤ Click on the video and enter the video play interface

➤ Touch icon description

➤  : Back to the main interface

➤  : Return to the previous menu

➤   : Pause / play   : Previous / next

➤  : Sound effect setting  : Video scale





### 3. Radio



- Local radio
- Click the "local radio" icon to enter the local radio interface
- Touch icon description

➤  : Back to the main interface       : Return to the previous menu

➤   : Up / down search station , any radio station be searched the searching will stop

➤   : To the left / to the right        : FM/AM switch, if it support AM, please follow the listing description.



## 4. Bluetooth



### ➤ Bluetooth

➤ Click on the "Bluetooth" icon to enter the Bluetooth interface

➤ Touch icon description

➤  : Bluetooth Settings    : Bluetooth connect    : Bluetooth Music    : Bluetooth call record

➤  : Bluetooth Phonebook    : Bluetooth dial keyboard





## 5. Bluetooth Music



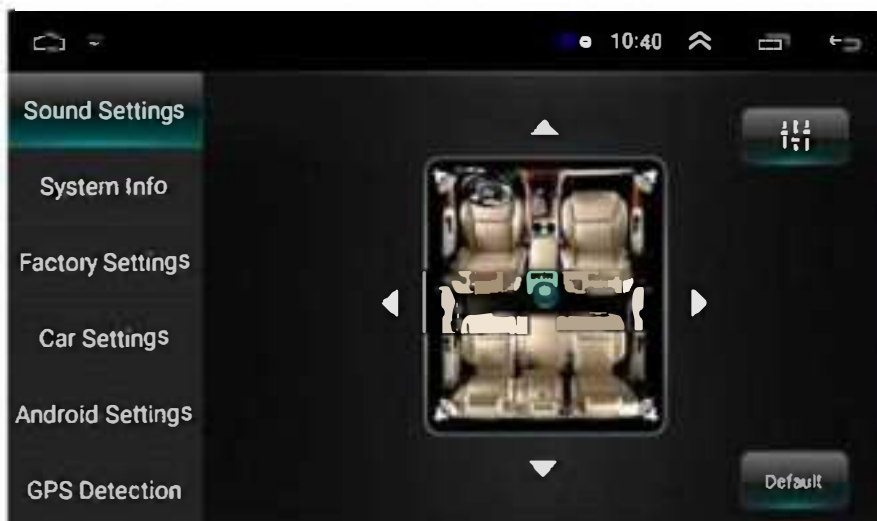
➤ Bluetooth Music

➤ Touch icon description

➤  : Previous song     : Next song     : Bluetooth Music play



## 6. Car audio settings



- Audio setting
- EQ setting.



: Adjust up and down



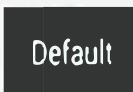
: Sound field setting



- : Drag to adjust the sound field, this radio does not support this function



- : EQ Settings



- : Default Settings



- : Up



: Down



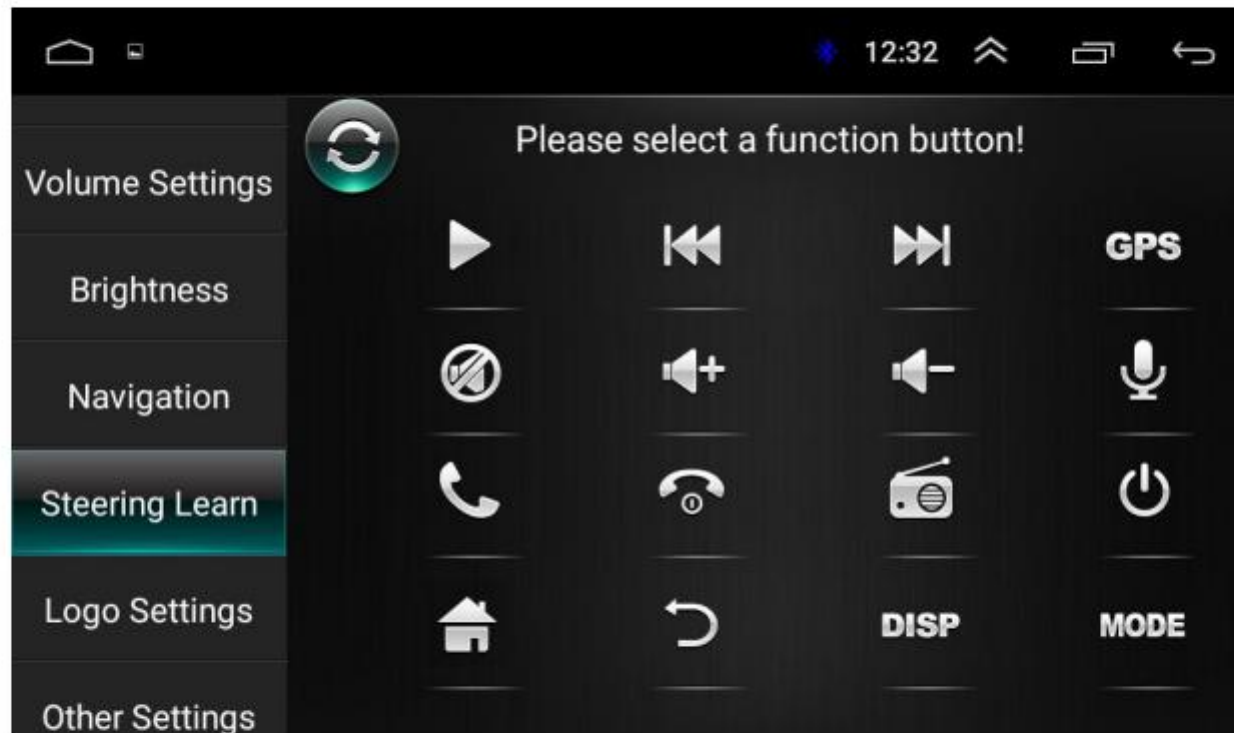
- : Left



: right



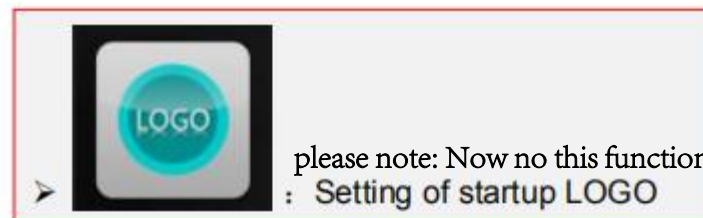
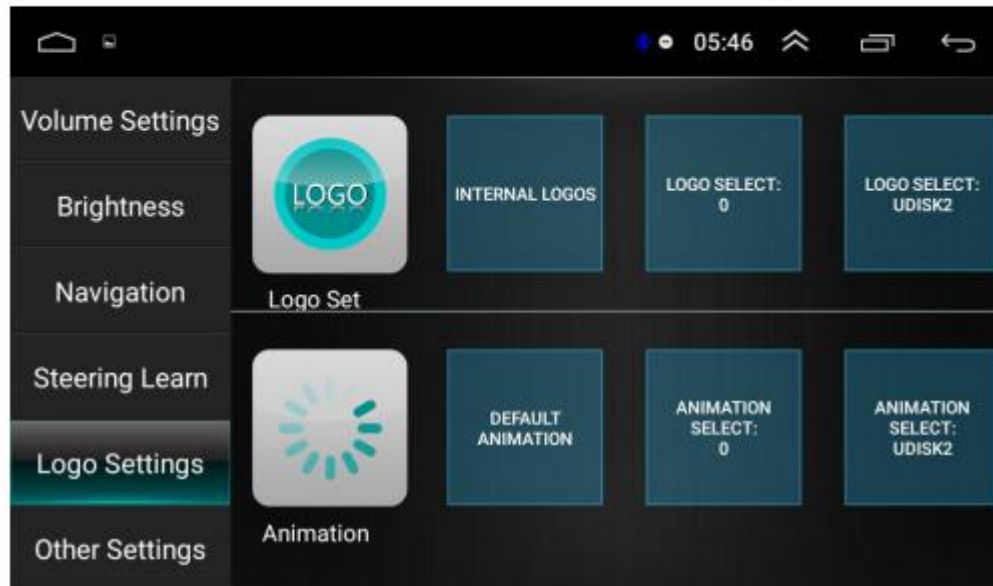
## 7. Steering wheel control studying



Please press and hold a button of the steering wheel button and click the corresponding icon

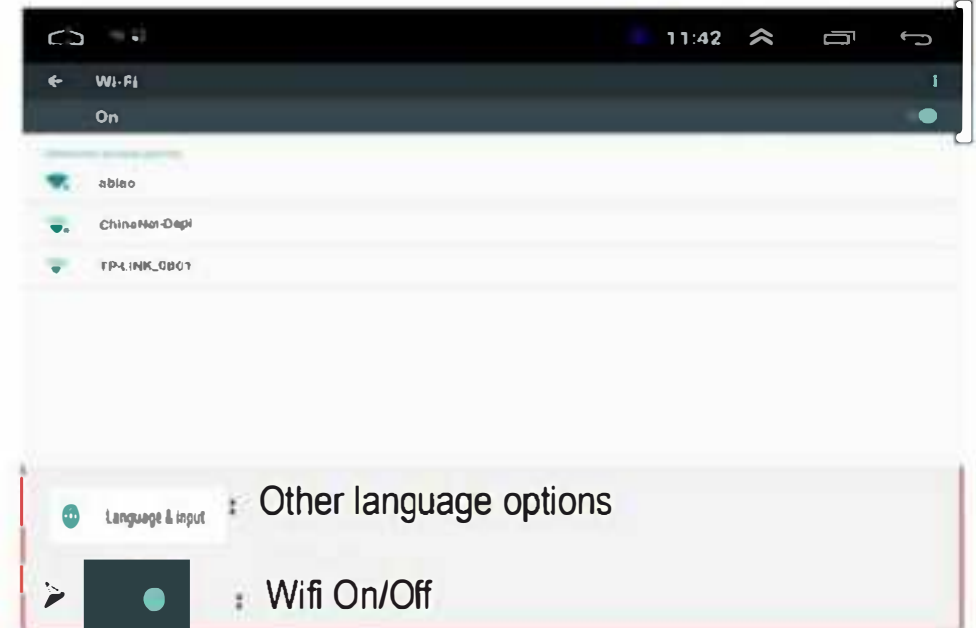
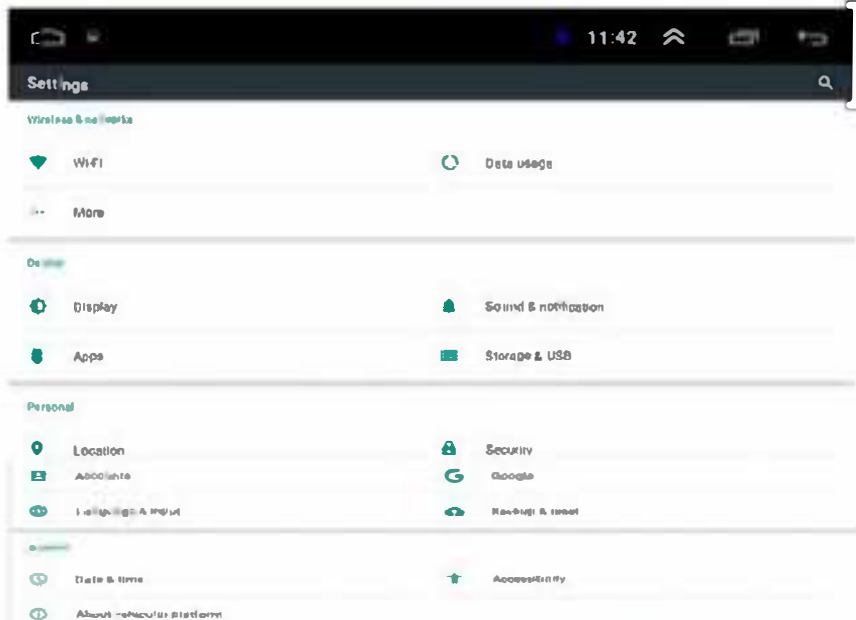


## 8. Logo settings and Sound settings






## 9. Android Settings



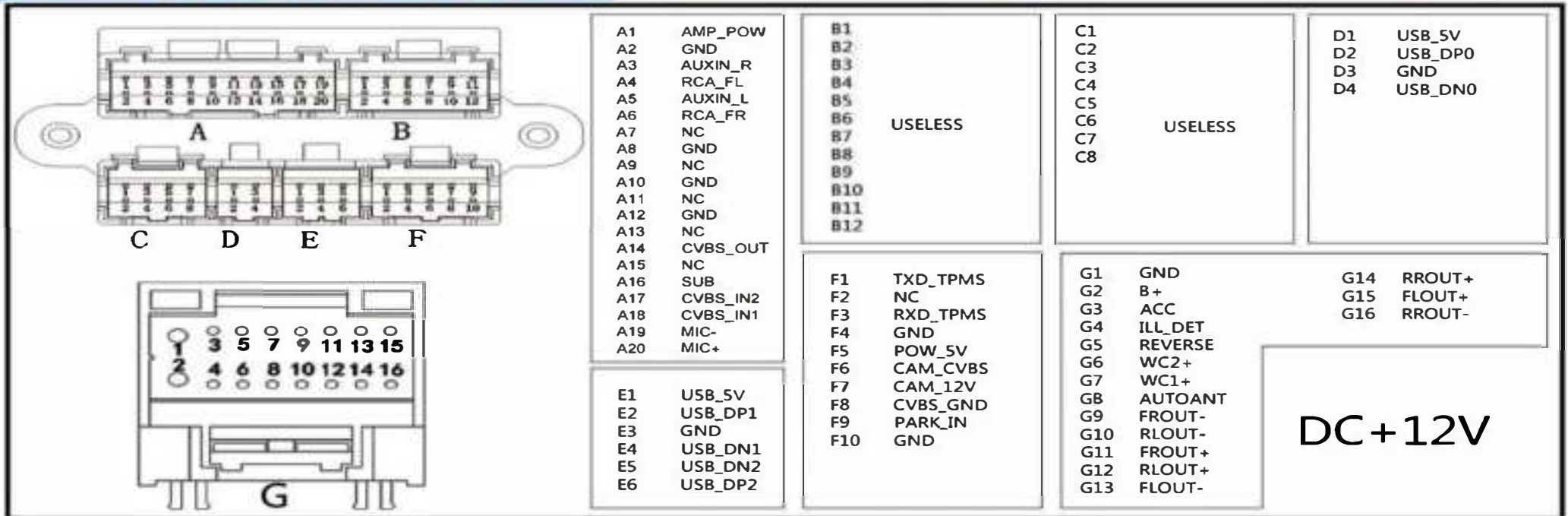
## 10. Split Screen Function



turn on APPS you want to split, click the the  , press one to the side, then it will show split screen.

# Wiring Diagram and Define

Caution: The B and C sockets are useless for user, please don't plug any cables into them.



## TROUBLE SHOOTING:

### 1. No power, cannot turn on

Please check the following points:

- (1) Please confirm the power source is DC 12V.
- (2) Please only use the power wires coming with the radio.
- (3) Check if you connect all power cables wiring:
- (4) red wire connect to ignition switch (ACC)
- (5) yellow wire connect to battery positive
- (6) black wire connect to battery negative
- (7) power port is tightly inserted
- (8) Check if the fuse is good. Replace with the proper value fuse if necessary.

**If all the above has no problem, please do a test as the following steps:**

- (1) disconnect all other wires of the radio
- (2) only connect the red wire and yellow wire directly to DC 12V battery positive, and the black cable to negative.
- (3) check if it has the same problem.

Thus, you can confirm it is the device matter or the car wire matter.

### 2. Turn on/off automatically

If you confirm all power connection and fuse is good and tight, you can do a test with the unit as the following steps:

- (1) remove the car radio from the car
- (2) find another DC12V battery, only connect the red wire and yellow wire directly to positive, and the black cable to negative.
- (3) check if it has the same problem

Thus, you can confirm it is the device matter or the car battery or wire matter.

### 3. No sound

- (1) Check and make sure the speaker wires are connected correctly as wiring diagram
- (2) Check if there is any contact between speaker, speaker wires and car's metal part
- (3) please make sure the speaker wires connected properly to your car audio, there are eight wires(gray white green purple) are speaker line, a group of colors corresponding to a pair of speaker lines (positive and negative);
- (4) Check if below APPs have sound (FM radio, Bluetooth music, Bluetooth call, GPS navigation), this is important.
- (5) **If FM radio works fine but the Bluetooth and video receive no audio. If your car has an amp, the direct wiring didn't work. You had to jump the blue/white harness wire to 12V ACC in order for it to work.**
- (6) Check if it occur in all audio playing modes.
- (7) Adjust volume according to the last result.
- (8) Confirm if this unit output watt can support your speakers.

### 3. Unit hang-up

- (1) **Click the RESET button on front panel to reset the unit to its default stage**
- (2) Disconnect the unit from power and restart

### 4. Only FM radio has sound, other modes has no sound

Please confirm you the subwoofer/amplifier power cable connection.

If there are three power cables, "+", "-" and "REM", wiring:

"+" - battery positive

"-" - battery negative

"REM" - car ignition switch

If there are two power cables, "+" and "-", wiring:

"+" - car ignition switch

"-" - battery negative

### 6. Blue Screen / White Screen / strips/spots on screen/button lights up but screen is black

Confirm if it is the screen flat cable connection is loose

You can screw off the unit's frame, and will see the screen flat cable inside. You re-plug it, and see if the problem still exist.

### 7. Buttons or touch screen no function

- (1) Five-finger correction screen

Press and hold the screen with five fingers at the same time, four dots will pop up, follow the prompts, click

- (2) Check the cable

The screen flickers, which may be caused by a loose cable. You can unplug the screen wire and plug it in again.

- (3) **if previous 2 ways can not improve the issue, please try to poke"RES" hole to reset.**

### 8. Poor radio signal Please

check these factors:

- (1) radio antenna connection
- (2) radio antenna mounting place (adjust to get better signal)
- (3) confirm if it is the car engine wave interference
- (4) avoid signal interference/blocking from other devices/signal transmitter

If possible, photos or video can help us to confirm the problem faster.