

Performance index

FM receiving Parts

Frequency range----- 87.5~108.0MHz(50KHz/Step)
87.5~107.9 MHz(200KHz/Step)
Signal to noise ratio ----- 60 dB (Decibel)
Stereo crosstalk ----- 35 dB (Decibel)

AM receiving Parts

Frequency range----- 522~1620 KHZ(9KHz/Step)
530~1710 KHZ(10KHz/Step)
Noise reduction sensitivity ----- 33 dB (Decibel)

USB SD Playback Parts

Signal to noise ratio----- 70 dB (Decibel)
Separating degree ----- 65 dB (Decibel)

Overall

Powersupply-----12V DC (Direct Current)
Output Power ----- 4 CH*50W
Loudspeaker impedance ----- 4~8(Ohm)

CAR MULTIMEDIA SYSTEM User Manual



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.

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

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.

Basic functions summary

This product, for which adopt HD digital touch screen with bright and fine image, combined with high-quality audio processing chip, has reached perfect audio-visual effect with impressive sound and color, high-efficiency operating platform of multi-media system, Bluetooth phone, Bluetooth music as well as plug-in USB/ SD player, and Meanwhile, intelligent control function of steering wheel makes perfect combination of product and original car, and one-step operation. It will be your ideal choice.

Notices before operation

In order to avoid accident, please read the following notices carefully before installation and operation of this machine.

1. Safety

- (1) Please observe the local traffic rules and regulations
- (2) Please do not watch and operate this machine in driving, which may cause distraction.
- (3) Please pull the car over at safe place if necessary to watch or operate the machine.

2. Installation

- (1) Qualified technician or maintenance personnel is recommended for installation of this machine.
- (2) Please refer to installation and connection guide in operating instruction for attempt of installation of this machine.

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3. In case that the car is parked in direct sunlight, then this machine shall fully cool down before operation. Please confirm that temperature in the car is within the range of (+60'C)-(-20C) before opening machine.
 4. Avoid using this machine in strong magnetic environment (Bluetooth will be affected).
 5. Moisture condensation will produce within this machine in rainy day or humid area. If that happens, this machine will be incapable of normal running. Remove the moisture or wait for moisture evaporation before use.
 6. In order to keep high-quality audio-visual effect, please do not splash fruit juice or other liquid down on this machine.
 7. Power switch of this machine should be turned off before closing ignition switch; otherwise. the machine will cause car battery consumption.
 8. Please do not transform the machine privately or it may result in accidents.

PRECAUTIONS

Precautions & Warnings

- To reduce the risk of fire, electric shock, and interference. do not attempt to repair this unit yourself. Refer all service to a qualified technician.
- Some MP3/WMA files may not be playable.
- Keep the volume at a reasonable level to avoid distracted driving. High volume levels may make it difficult to concentrate on traffic and road conditions while driving .

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- If the car has been in direct sunlight for an extended period, you may need to reduce the temperature inside the car before turning on and using the unit.
 - If the battery is disconnected, discharged, or changed, the preset memory of the unit. will be lost and require reprogramming.
 - The unit is designed to be installed in a level, horizontal position . For optimal performance, avoid installing the unit at an angle.
 - Never use excessive force when removing or attaching the faceplate. Do not tightly grip the display and buttons to avoid damage.

Drives and connections

Never place any foreign objects into the openings of the car radio (USB jack, card slot, AUX IN connection) Otherwise you might damage the slots and connections .

Others Warnings

Do not switch on the car radio for long periods of time when the motor is switched off, This could cause the car battery to discharge and the vehicle can no longer be started

INSTALLATION

Installation Procedures

First complete the electrical connections and then check for correctness.

To Install the Car Radio

Be sure you test all connections first, and then follow these steps to install this unit.

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Use a metal strap to secure the rear part of the chassis using the hardware indicated.
4. Make wiring connections, as illustrated in the Wiring Diagram."

Connection guide, schematic diagram of machine connection

- (1)The machine's pressure is 12v DC. With secondary pole earthing system. please make sure that your car belongs to this system before installation.
- (2)The machine's subwoofer and automatic antenna are powered respectively.
- (3)Connect wires according to wire colors provided in wire connecting figure. Once connect the wrong wires would result in machine fault or damaging the car electrical system.
- (4)The loudspeaker (1) should be connected to the terminal of the loudspeaker () rather than connected to the car or with loudspeakers interconnected.
- (5)Don't block off the vent or heat sink to prevent machine damaging from overheating. Lneang in the inner of machine.

Note: Screws of left and right stents should not exceed 8MM, or the inner parts in the machine would be damaged.

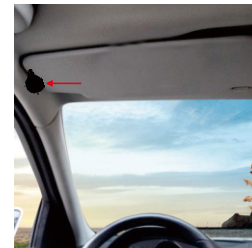
External microphone installation



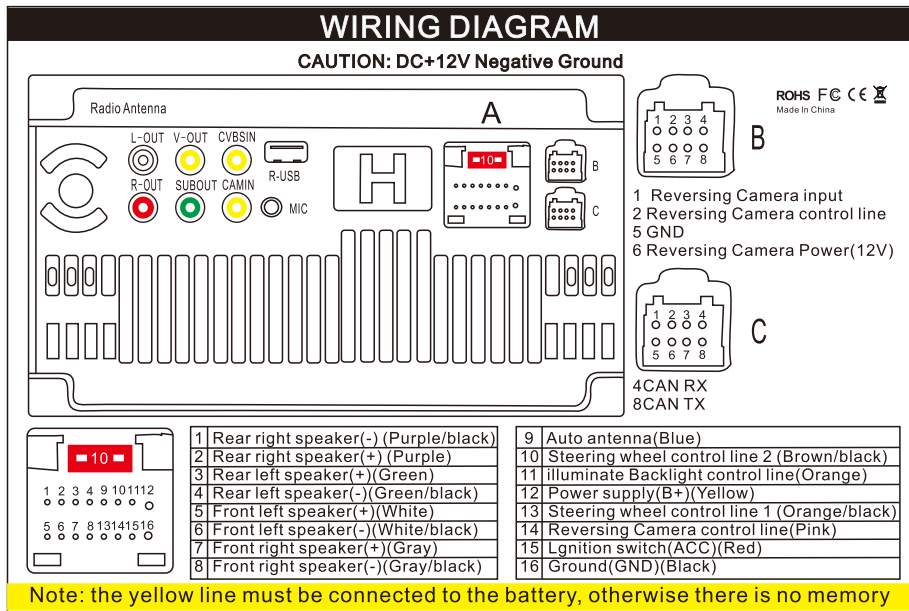
External microphone



Connect the radio

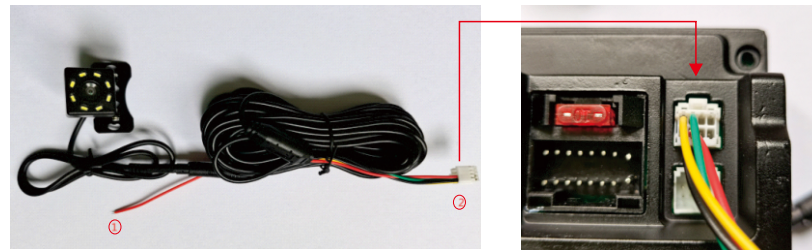



Microphone mounting position



Installation of reversing camera

There is a camera dedicated to the radio in the accessories, which is free of wiring and plug-in, as shown in Figure



Manually switch reversing: click  on the main interface to display reversing video , press any key to exit.(Reverse detection line 1.Do not connect the reversing lamp)

Automatic switching reversing: The reversing detection line 1 is connected to the power supply of the vehicle reversing lamp, and will automatically switch to the reversing video when engaging reverse gear (Professional engineers are recommended for installation)

Note: some models with CAN BUS can automatically switch the reversing video without connecting the reversing detection line

Introduction to basic function of panel

1. **SRC/PWR -- Power on and off button**

- (1) In power off state, press **SRC/PWR** button on the panel to switch power on, while in power on state, press and hold this button to switch power off.
- (2) Press **SRC/PWR** button in any mode and return to main menu.

2. **VOLSEL--Selection button of volume/audio**

- (1) In normal state, turn up by clockwise rotation of vol button, while turn down by anticlockwise rotation.
- (2) In power on state, press SEL button and enter the sound setting interface. Click corresponding function button, then it can be regulated to the best state required. In case that there is no any operation within 5 seconds, the system will automatically return to previous operating mode.

3. **M-E--Switch button of functional mode**

In normal state, press MODE button and switch to navigation system, radio, AUX input, Phonerlink , BT music, and setting functions.

4. **MUTE- -Mute/Night Mode Button**

Press MUTE button and turn off the trumpet sound; press this button once again, the sound will be retrieved.

5. **AMS--Browse/ Automatic Storage Button**

Press AMS button to browse radio stations (7 seconds for each) of that band which have

been remembered. Press AMS button again when come the suitable radio station, then it will play the radio station selected. Press and hold AMS button for 3 seconds to activate automatic memory function, the radio will start to search from current frequency and automatically save radio station of strong signal first, then the weak signal.

6. **DBAS/LOUD--Loudness Button**

7. **SEEK-Radio station selection/Song selection knob**

In reception of radio state: Rotate this knob right to automatically search high frequency radio station; while rotate it left to automatically search low frequency radio station.

In play state: Rotate this knob right to jump to next song, while rotate it left to jump to last song.

8. **BAND- Wave band/ (P/N) Standard button**

1 In non-reception of radio state, press BAND button and switch to reception of radio state, and then press this button again to switch between different bands.

FM1-FM2-FM3-AM1-AM2

9. **MENU-Menu Button**

Press MENU button to enter main menu mode.

10. **NAVI- Phone link**

Main menu



- ① Turn off the display
- ② Reversing camera
- ③ Radio
- ④ Front USB (support phone link)
- ⑤ SD (support TF card)
- ⑥ BT mode
- ⑦ Phonelink


- ⑧ AUX IN
- ⑨ Wallpaper Setting
- ⑩ Clock Setting
- ⑪ Rear USB
- ⑫ EQ Setting
- ⑬ System Setting

Radio

Screen of operation interface of radio as below:



1. Band selection

Press  button to switch to reception of radio mode, then press 1 button to select programs of different frequency bands(FM1/FM2/FM3/AM1/AM2)

2. Browse radio station

Press 2 button to browse radio station(5 seconds for each)of that band which have been remembered Press 2 button again to play the radio station selected

3. Automatic search and memory radio station/Save current frequency radio station

(1)Press 3 button to search from current frequency and automatically save radio station of strong signalfirst, then the weak signal

(2)Press and hold 4 to save current frequency 5 to the position which is chosen

4. Manual/Automatic search radio station

(1) Manual search: Press and hold ⑥ or ⑦ to manually search different station frequencies up or down

(2) Automatic search: Press ⑥ or ⑦ to automatically search different frequencies up or down



5. Other functions

(1) Press ⑧ to close and exit

(2) Press ⑨ to return to home

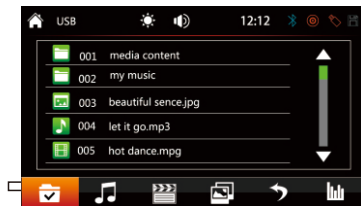
(3) Press ⑩ to enter the station frequency

USB/SD Player (USB or TF card must be plugged in)

Click  or  to enter USB/SD mode


1. When Mp3 and Mp4 format music are in the USB or SD card at the same, click Mp3 or Mp4 to select the corresponding video file to play.

Press 




 Return to Home

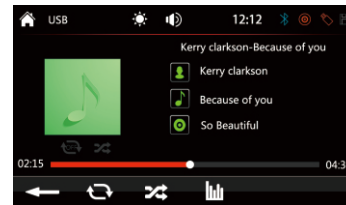
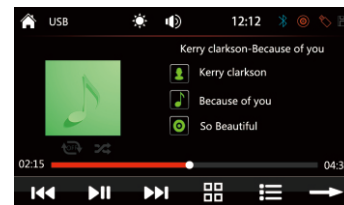
 Return to Previous

 Music Player

 Video Player

 Photo Player

Music Player



 Return to Home

 Play / Pause

 EQ Setting

 Random Play / All Circle Play

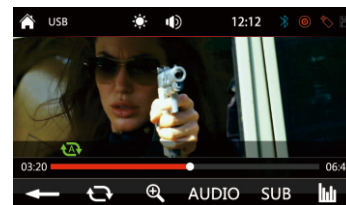
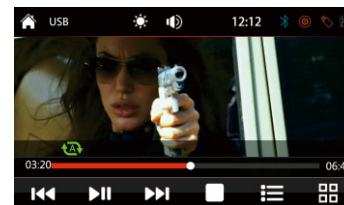
 Last Tracks

 Next Tracks

 File Lists

 Repeat Play Mode

Video Player



 Return to Home

 Last Tracks

 EQ Setting

 Repeat Play Mode


 Next Tracks

 Play / Pause


 File Lists

 Enlarge/Narrow

BT Mode

Click  to enter BT mode

- (1) Click BT function on main menu to enter it, then open the Bluetooth in phone(the phone shall be with Bluetooth function) to search audio accessories, Name the device as Car BT
- (2) Carry out matching, password "000"(password can be set by yourself). When there is incoming call after completion of correct matching, phone will automatically switch to Bluetooth hands free interface.

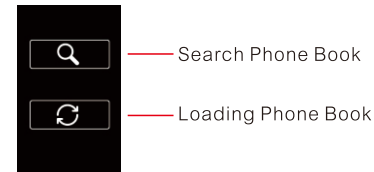
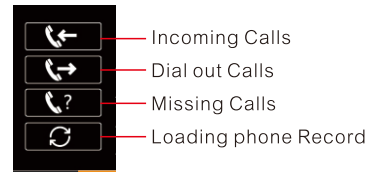
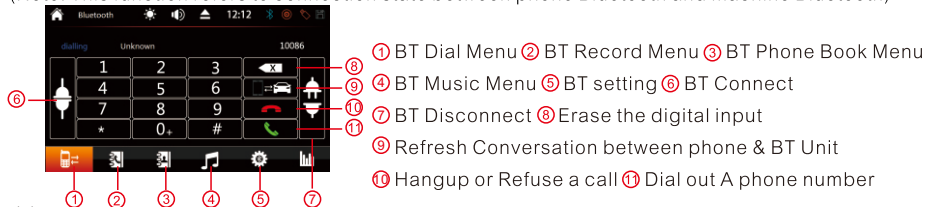
Click  to start voice call

- (Note: When turn off previous Bluetooth matching, it needs 30 seconds after activation of Bluetooth for host machine to match with other phone for it is searching previous phone matched within that 30seconds after turning off phone Bluetooth)

- (3) Click BT function on menu ,after entering phone number(directly touch the number button),




Click  and make call

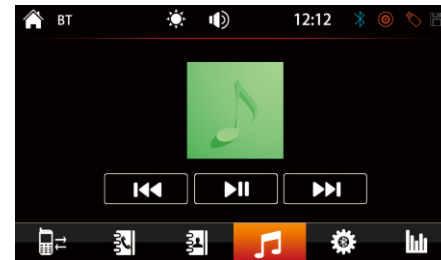
- (Note: This function refers to connection state between phone Bluetooth and machine Bluetooth)



BT music

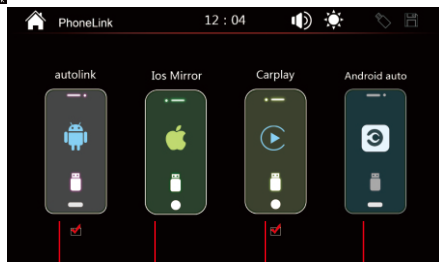
Click 

When the phone and the device are matched through Bluetooth and the phone is set as Bluetooth stereo output, click  and  play the previous track,  Pause, and play the next track.
(Note: some phone do not support Bluetooth music output)



Phone Link

Click 



① ② ③ ④

- ① Android Mirror Link
- ② IOS Mirror Link
- ③ Apple Carplay
- ④ Android Auto

Note:  First option

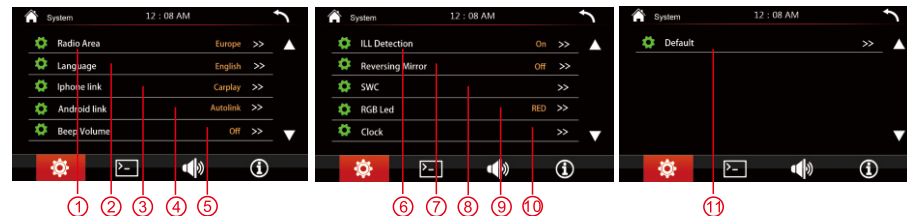
Click 



① Volume+/- ② Turn off the display ③ EQ setting ④ Return

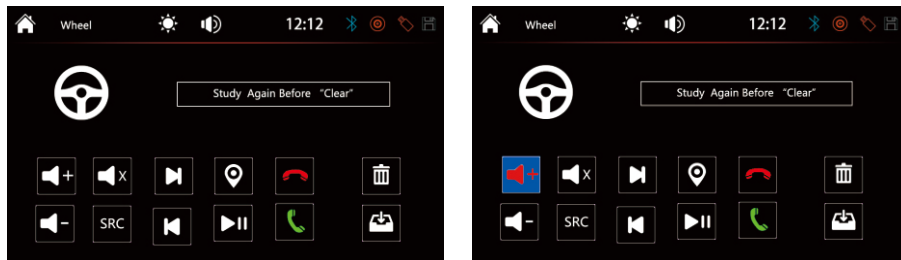
System Settings







Click 





- 1 Radio Area Setting Europe/USA1/USA2
- 2 System Language Setting
- 3. Iphone Link default settings Carplay/Mirror
- 4 Android Link default settings Android Auto/Autolink
- 5 Beep Volume Setting
- 6. ILL Detection (The display brightness is dimmed)
- 7. Reversing Mirror Setting
- 8. Steering Wheel Control Setting
- 9. Key light Setting red/blue/purple/green/yellow/cyan/white/auto
- 10. Date&Time Setting
- 11. Restore default

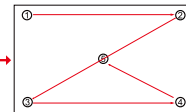
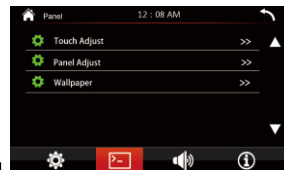
Steering Wheel Control Setting





- 1 Make sure connect the Steering Wheel Control line of the power cable to the Steering wheel correctly
2. Click  find the options "SWC" and enter , it as illustrated ①
3. Click  to Restore default. click any white function keys like this  this keys will binking between white and red. then press the steering wheel button which is volume+ ,the function keys  will turn red  it as illustrated ② that means setting successful.
4. Setting the others function keys follow the step (③) to operate
5. After setting all the keys, click 

Touch Screen Calibration Setting

Click  and  find the options "Touch Adjust" and enter Press and hold the center of the mark "+" to wait until the next mark "+" appears, loosen the current mark "+" and click the next mark "+" to continue. The system will prompt OK ,and press it to complete the setting



Equalizer(EQ)&Speaker balance Setting

Click  and  find the options "EQ" and enter Sound Equalizer mode selection: pop/classic/rock/jazz In user mode, hold & slide ① up and down to adjust the sound effect Press ② to adjust front, rear, left, right loudspeaker press ③ to turn subwoofer on or off Press ④ to Restore default

