

XTRONS®



Car Android DVD Entertainment System

USER MANUAL

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Thank you for using XTRONS products! We hope this user manual will help you to understand how to operate this product. XTRONS has the rights to the make final description of this Operating Instructions.

Before Using

Please read through these instructions carefully before operating and keep this document in a safe place for future reference. There is important information you must understand before using this product.

Main features

1. Android operating system platform.
2. 1024 * 768 HD digital screen
3. USB interface, Audio / Video player
4. Multi-language
5. Built-in 4 x 50W amplifier
6. Ultra-low standby power consume, does not affect the car battery life
7. Reversing automatic display function (optional)
8. AV output, can be connected with amplifier and monitor
9. Aux-in function, can be connected with external AV output device
10. Supporting USB / SD audio / video / picture display
11. Auto recognition of NTSC / PAL system
12. Capacitive touch screen control
13. Real time display
14. Rearview camera input, automatically change into rearview mode when reversing (XTRONS reverse camera is needed)
15. Bluetooth speaker phone
16. Full function remote control
17. Easy for installation

Notice of use



Attention: Before installation, please carefully read all the instructions. Car audio professional vendors' guidance is recommended for the installation.



This model fits automobile 12V power supply system (ground wire should be connected). Please do not install it directly in truck or bus with 24V power supply, otherwise will cause hardware damage.



Original and genuine discs are required. Please do not use non-standard or inferior discs, otherwise may cause machine malfunction or serious impact on its service life.



Replacing the power fuse without professional instruction is prohibited. The improper use of fuse will cause machine damage or a fire.



Do not place the unit in moist and humid conditions to avoid electric shock, damage and fire caused by short circuit.



Do not touch the screen with hard objects to avoid touch screen damage.




Attention: To avoid short circuit, please stall the car and disconnect ACC and the connection with B+.

Audio and Video knowledge

Disc types	Content	Disc size
DVD	Sound & Picture	12cm
VCD	Sound & Picture	12cm
CD	Sound	12cm
MP3	Sound	12cm
MPEG-4	Sound & Picture	12cm
USB	Sound & Picture	12cm

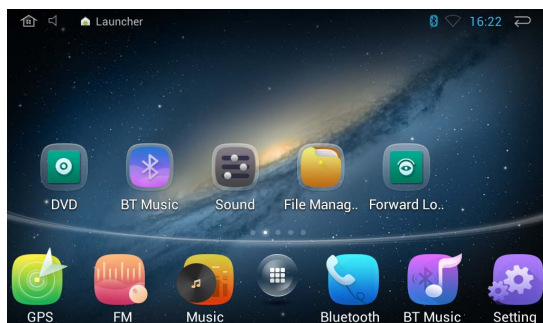
Notice: This product supports VCD discs of 1.0 / 1.1 / 2.0 / 3.0 versions

Home screen

When the unit is turned on, tap the top left HOME icon  or press the HOME button to go to the Home screen.

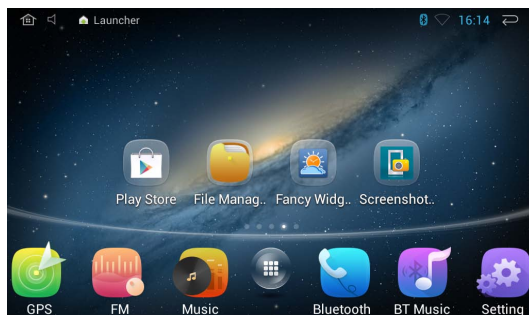
The system provides functions of NAVIGATION, DISK, RADIO, BLUETOOTH, USB, SETUP, SD CARD, iPod, BLUETOOTH MUSIC, DVR, 3G NETWORKS (optional),Wi-Fi built-in, AUX.

Tap the icon  or press the BACK button to return to previous menu.



Home screen

Touch and hold an icon on the Home screen, then drag the icon around. Drag an icon to the edge of the screen to move it to a different Home screen. Swipe left or right to see other screens.



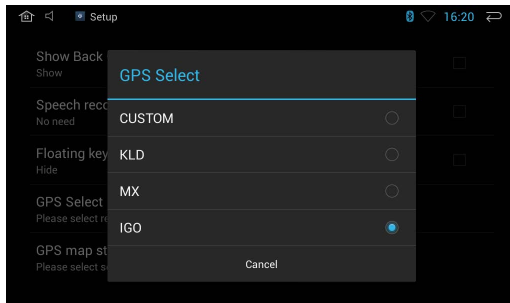
GPS navigation system

Cautions:

1. Be careful to use the GPS system. The functions of this system is for navigation reference only, so please do use it for accurate measurement of the position, distance, location, terrain etc.
2. During the first GPS satellite tuning / positioning; please stay in the same location, where it should be an open area and without any shelter above your vehicle. It may need more than two minutes to finish the positioning, depending on the environment and satellite signal strength.
3. For your driving safety, please finish the navigation setup before driving on the road. Please do not operate the system whilst driving because it may lead to accidents if the area ahead is neglected.
4. When passing through the tunnel, or the car is located in the building, the underpass, climatic factors, or the surrounding tall obstacles, or nearby mobile phone base stations, satellite signal reception quality will be affected, then the system will be temporarily unable to provide you with positioning and navigation. While leaving the sources of influence, you can quickly restore the positioning and navigation.
5. Please note that any wireless telecommunication products (such as mobile phones or speed alarms), are likely to interfere with satellite reception, resulting in signal reception instability.
6. Path planning is for reference only. The road conditions may be adjusted according to the local traffic situation, or because of some factors such as road construction, government and commercial activities. Please be sure to follow the current road situation and other traffic rules. If the road situation is different from display, please judge which way to take.

GPS navigation instruction

Please insert GPS card into the slot. Go to Setting > System settings > Feature set, then tap GPS Select and you will find GPS options. You can now choose your custom map or download your preferred map to navigate it.





After navigation map is set, return to the Home screen, and tap GPS. The system will then switch to navigation interface and start running the navigation software.

Radio

Radio menu, this product is built-in high quality AM / FM / RDS radio receiver, which supports AM / FM auto search function, frequency display, etc.



Switch on/off the radio.

1. Tap  to change the frequency of corresponding wave band.
2. Tap  to find radio frequency range.
3. For all wave band (FM1 / FM2 / FM3 / AM1 / AM2), the system can store 18 stations in FM channel and 12 stations in AM channel. Hold down to store the station and press to switch to the station.
4. Tap RDS for
 - TA: (Traffic Announcement allows you to receive a traffic news bulletins),
 - AF: (Alternative Frequencies allows you to re-tune to different frequency when the signal becomes too weak),
 - REG, (Regional tracking mode allows to track the same programs broadcasting in all areas covered by the network.
 - PTY: (Program Type allows you to find similar programming by genre).
5. The searching mode includes AUTO and MANUAL.
 - AUTO: Tap once and then automatically search channel.
 - MANUAL: Tap and hold 2 seconds to search stations forward.
6. Short press and then it automatically browses every station in the list. It has 5 second as interval so you can pick your preferred channel.
7. Long or short range remote Switching: When it is switched to long range mode and having strong signal, LOC would appear.

Wi-Fi (Built-in)

To connect to Wi-Fi, go to Setting > Wi-Fi, then tap to turn Wi-Fi on.

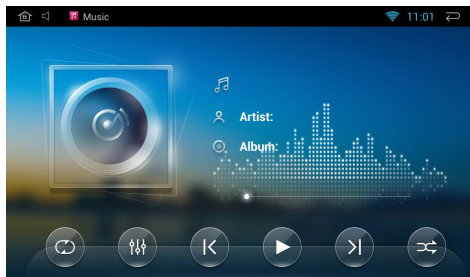
Choose a network: Tap one of the listed networks and enter the password, if asked.

Play USB / SD

When USB / SD is connected, tap Music or Gallery on the Home screen to play music or view pictures stored on an USB device or a SD card.

Formats supported by USB / SD:

MP3 / WMA / MP4 / JPEG / BMP / AVI / PNG / VOB etc.



Play DVD

Attention: Please use standard and genuine discs and keep the discs clean. Correct use can assure normal service life of this product. Slightly insert the disc into disc inlet, the disc will be pulled into the device and played automatically.

When there is a disc in the device, press the DVD button or tap DVD on the Home screen, it will turn to display disc menu. If the disc is stuck or cannot be pulled in, please long press ▲ Exit button until the disc has been ejected.

Detailed operation

When playing disc, if no operation within a certain time, both upper and lower menu will disappear and it will be full screen display. Touch the screen, the menu will appear again.

3G network

Tap 3G on the Home screen to enter into the 3G network mode.

Please plug XTRONS Dongle in and enter the dialing interface. You can then input details as shown below:

3G Connect 11:12

please plug dongle in and connect.

Unknown Device.

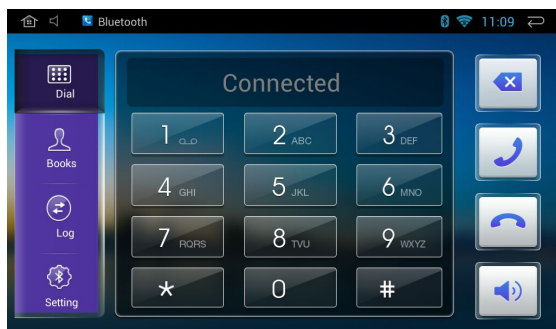
APN User Name

Dial Number Password

Connect Disconnect Close

Bluetooth

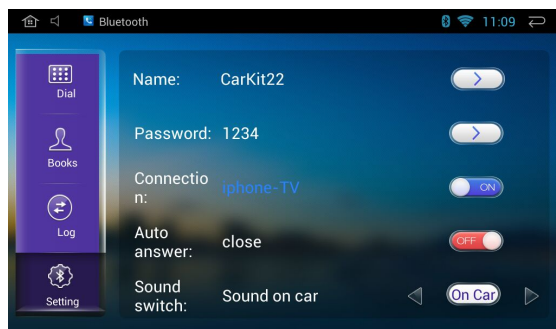
This stereo has Bluetooth and hands free function. If your mobile has Bluetooth function, it can be set up point-to-point connection with this stereo. It enables you to make and receive calls as well as wirelessly play music.



Bluetooth operation

1. Pairing

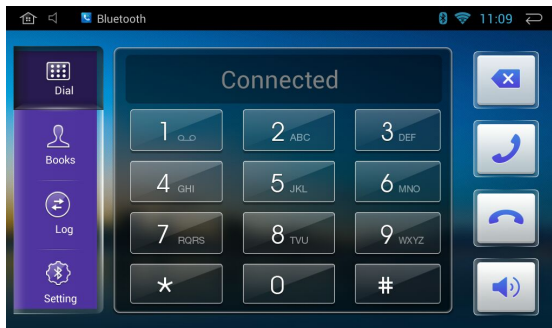
Tap Bluetooth on the Home screen or press the BT button, turn on the phone's Bluetooth settings, and search for new pairing device. When your phone has found the Bluetooth (the name of native Bluetooth device), select this device and connect to it. Input the password (default password 0000), the phone will pair with the device automatically.






Bluetooth

2. Connection




Please connect the Bluetooth to activate Dial, Books, Log and Setting.
DIAL to enter Bluetooth phone call interface, shown as below picture:



3. Make or Cancel a call





Enter the phone number by the number key-press in Bluetooth interface. Tap  to make a call or  to cancel a call. Tap  to cancel the number and make adjustment.

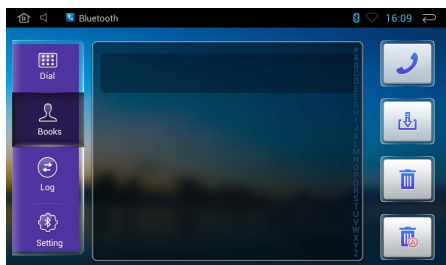
4. Answer a call

When the unit is on and you receive a call, the system will automatically switch to Bluetooth and hands free mode interface. If Bluetooth setting of system menu is Auto Answer Mode, the system will answer a call automatically. If setting is Manual Answer Mode, tap  to answer a call and tap  to end the call. While calling, users can tap  to end the call.

Bluetooth

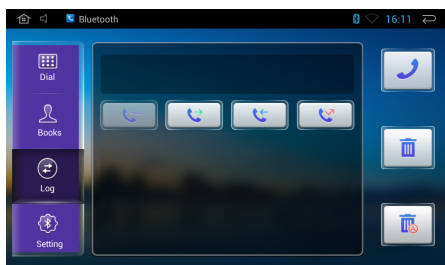
5. Books

Tap  to answer or make a call. Tap  to download the phone books. Please be patient as it takes a while to download. Tap  to delete selected phone number and tap  to delete all phone books.



6. Log Books

This function is available when the system is connected with mobile phone. It saves all the phone numbers of calling in, calling out and missed call.

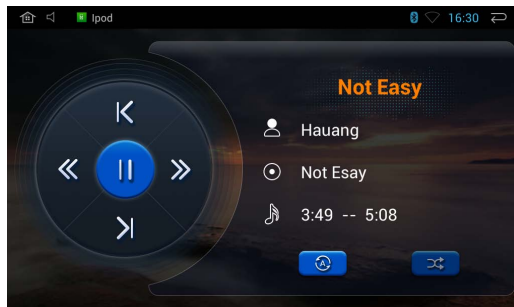


7. Setting

It is available to change the Bluetooth name, password or to pick auto answer whether onto mobile phone or to sound on car.

iPod

This system supports iPod audio and video playing. iPod is a large capacity media player developed by APPLE CORPORATION. It takes 1.8-inch hard disk produced by Toshiba as storage media and has a storage capacity of 2~80G. It can store more than 10000 MP3 music / video files with CD quality, has perfect management program, innovative operation manner and unique appearance. It is one of few APPLE products that can cross PC and MAC platforms. Besides playing MP3 and compressed audio / video files, iPod also can be used as High-speed mobile hard disc.

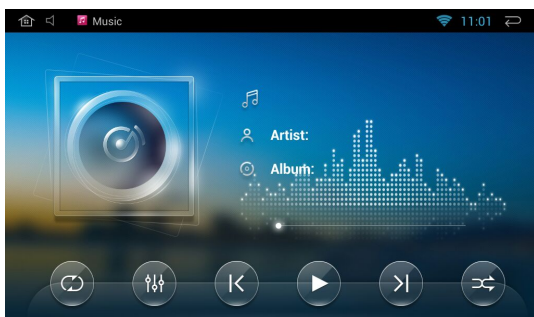


When the device is under running state, the system will automatically switch to iPod play mode after connecting an iPod. When iPod is connected to the stereo which is powered off, you should tap iPod on the Home screen to switch play source to iPod play.

iPod operation can be done by touch screen and the steering wheel control. The detailed information such as the name of song, singer, playing state, will be shown on the screen.

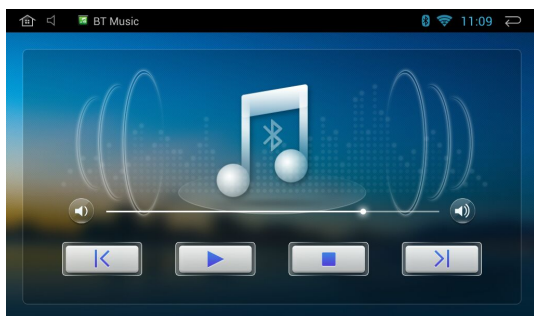
Music

Play music and other audio content stored in the stereo. Expand your media choices by plugging an USB device or a SD card into this stereo.







BT Music

BT Music enables you to enjoy wireless music playback from your Bluetooth device.



DVR

Caution: Please note that the DVR function can only record videos but not sound via USB.

Please simply plug in your Camera into USB cable. Then tap DVR on the Home screen to enter into DVR mode. The videos will be shown on the screen. Tap  to record Videos. Tap  to capture pictures. Tap  to show your videos or photos in the file. Tap  to set Storage location, Video duration, Clear by time, Clear by space, Boot start.

AUX

When switched to Aux mode and plugged in with an appropriate auxiliary cable, it allows you to connect entertainment sources such as CD player, MP3, iPods, Cassette etc.

Gallery

Gallery allows to view the images and photos. Tap to see full screen.

View pictures by Albums / Locations / Times / People / Tags.

Spread or pinch a picture to zoom in or out. When you zoom in, you can drag to see other parts of the picture.

File manager

Manage the files stored in the stereo and stored onto SD card or an USB device. You can add to Favorites / Copy / Copy file path / Move / Send / Rename / Delete a file.

Settings

Wi-Fi

Turn Wi-Fi on or off. See the listed available networks and connect to Wi-Fi.

Portable Wi-Fi hotspot

Turn portable Wi-Fi hotspot on or off. Set up Wi-Fi hotspot.

Sound

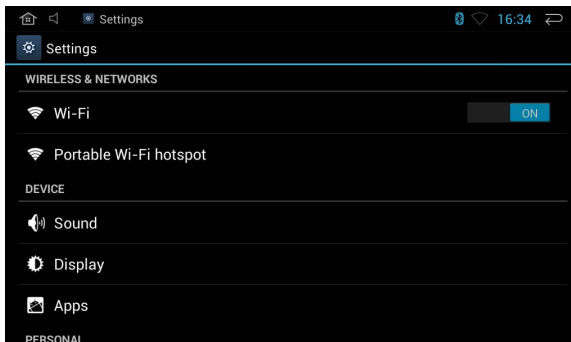
System volume setting.

Display

CVBS output setting and brightness setting.

Apps

It shows downloaded, running and all apps. At the bottom of the screen, you can view available RAM and internal storage.



Settings

Location access

Turn Access to my location on or off.

System settings

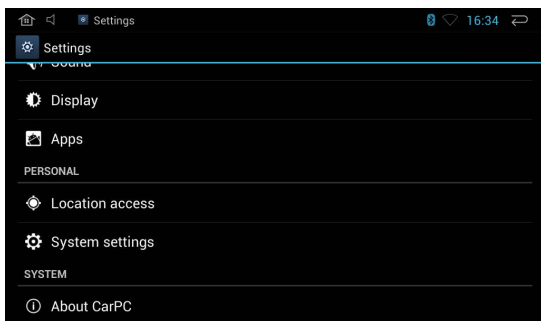
Date & time

Language & input

Feature set

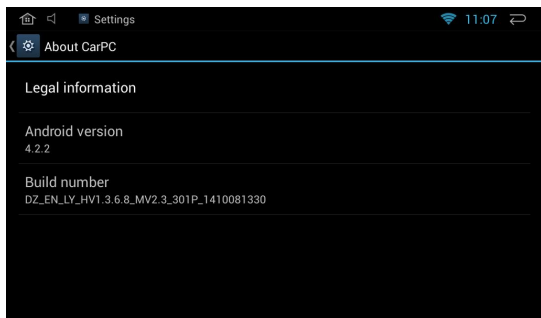
Project setting

Backup & rest



About CarPC

It shows Legal information, Android version, Baseband version and Build number of the stereo.



Feature set

GPS Listen

Media volume will be used when GPS listen is on.

Keypad tone

buzzer tone will be on when user touch the keypad.

Electronic Dog

Tap to turn on or off Electronic Broadcast.

Show Back Car Line

Tap to show or not show back car line.

Speech recognition

Tap to turn this on or off.

Floating keys

Tap to show or hide floating keys.

GPS Select

Select required for navigation.

GPS map store location selector

Select some place to store GPS map.

Buzzer settings

Go to Setting > System settings > Feature set > Keypad tone, then tap to tick and buzzer will play when touching the screen.

Sound settings

Tap "Sound" in the Home screen to go to sound setting.


Effect

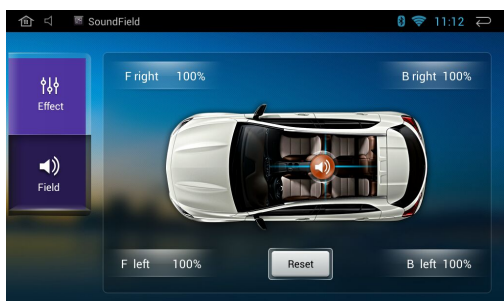
Tap to turn bass & loudness on or off.

7 kinds of EQ adjustments:

Standard / Custom / Hall / Prevalent / Classical / Acid rock / Film

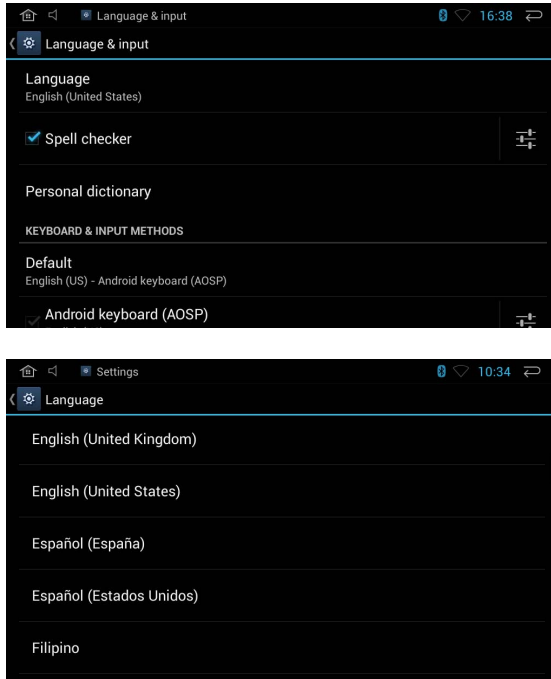
Field

Drag  around to set the sound field.



Language settings

Go to Setting > System settings > Language & input, then tap Language to set the language for the stereo. Multiple languages are built-in.

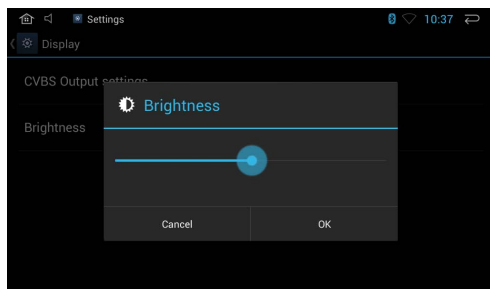


Keyboard settings

Go to Setting > System settings > Language & input > Default > Set up input methods, then tap the icon on the right side of the screen to enter into Android keyboard settings.

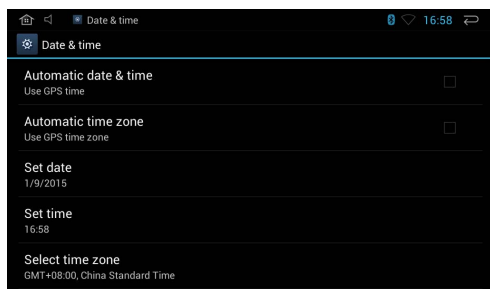
Brightness settings

To adjust the screen brightness. Go to Setting > Display > Brightness, then drag the slider.



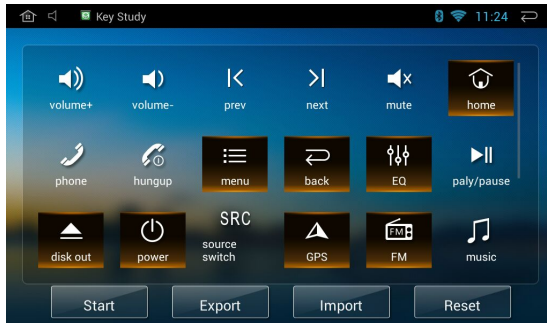
Date & time settings

The date and time are usually set for you based on your location. Go to Setting > System settings > Date & time to set the date and time.



Steering wheel control settings

Go to Setting > System settings > Feature set, then tap Steering wheel keys. Match the buttons between steering wheel control and the stereo one by one, then you can control the stereo through steering wheel button.



Radio settings

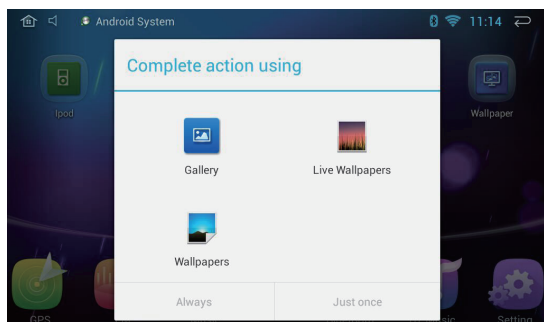
To set the Radio frequency range, go to Setting > System settings > Project setting, enter the password 66668888, then tap Radio set frequency range.

Options include:

Europe, South America, North America, Japan and Russia.

Wallpaper settings

Tap Wallpaper on the Home screen to set an image or photo as wallpaper. You can choose from dynamic or normal picture as wallpaper.



Logo settings

Go to Setting > System settings > Project setting, enter the password 66668888, then tap Logo settings. Tap a logo to set up the boot logo.

Device info

Go to Setting > System settings > Project setting, then enter the password 66668888 to go to factory settings. Device info includes Display Size Select, Touch Screen, Machine Key Type Select, CAN type, and Models to choose.

LCD Configurations

Go to Setting > System settings > Project setting, then enter the password 66668888 to go factory settings. Tap LCD Configurations to select LCD configure type.

User friendly

Visual parking system

When reversing the car, once switch to the reverse gear, the car stereo will automatically switch to Reverse Camera mode. If a car reversing camera is installed, the rear-view image will be automatically displayed as soon as the car is put into reverse.

Hand brake testing

Connect hand brake wire between the car stereo and car hand brake to activate parking testing function, then it will show video signal on the screen only when the car is parked. If the passenger wants to watch DVD during driving, you can turn off this hand brake testing function, however it is not suggested to do so.

Car headlight testing

Connect lamp wire to car headlight wire, when turning on car headlight, the screen brightness will be automatically reduced.

Telephone mute

Connect telephone mute wire to car telephone signal wire, the car stereo will be mute when the call comes in.

Troubleshooting

Phenomenon	Reasons	Solutions
Not operating	Fuse of machine power supply and auto vehicle battery is burnt; Voltage of power supply is overloaded; Automatic protection system avoids fault due to illegal operation	Change for fuse of the correct types; Adjust voltage; Reset the system by pressing the Reset key
No or low sound	Disconnection; Volume setting is low volume; Loudspeaker fault; Big deviation of volume balance setting; Earthling in loudspeaker connection	Check the connection; Increase volume; Check the Loudspeaker; Adjust the volume balance setting to middle place; Keep insulation of loudspeaker connection
Remote control doesn't work	Battery is out of power; Battery is not placed correctly	Change new battery; Reinstall battery;
Inferior quality of sound; Distortion of sound	Inferior disc is prohibited; Loudspeaker does not match; Impedance of the machine Speaker fault	Use genuine discs; Change a matched loudspeaker; Check the connection of loudspeaker
Machine reset by itself when it is shut down	Connection of ACC and B+ is not correct	Check and reconnect ACC and B+
No image	Connection of brake wire is not correct; Not braking state	Check brake wire and connect them correctly; Keep braking state after the car is placed safely
Unstable output of image	DVD does not correspond with the present system video setting; Video signal line is not connected correctly	Adjust system video setting; Check and replace video signal line
Image stretching or	Incorrect ratio settings of icons	Use correct ratio settings of icons
Weak signal	Auto antenna does not reach out completely LOC function is under working state; Adverse antenna grounding; Antenna is broken	Connect auto antenna line correctly; Close LCC function; Replace an antenna
Break-down during playing	Disc is stained or scratched; Documents or records are damaged	Clean or replace the disc; Replace the disc or choose stored file
Not into the disc	The disc is available in the machine	Eject the disc and put into a new one
Disc does not play	Disc is scratched; Disc is put in the opposite side; Laser head is stained	Change a good disc; Put the disc up into the laser ; Wash the disc and laser
No repeat and search function when VCD is working	PBC function is under working state	Close PBC function

System parameter

Common:

Rated voltage: DC12V (DC9.0 V~DC 16V allowed) Grounding system:

Negative polarity

Maximum current: 10A

Audio:

Maximum output power: 50W*4 Load impedance: 4Ω

Bass: ±7dB (100Hz) Treble: ±7dB (10 kHz)

DVD Player:

ESP: DVD---4seconds, VCD---10seconds SNR: 85dB (A)

Frequency characteristic: 20~20,000Hz

RCA Audio output: 1.8V max (adjustable) RCA Video output: 1V p-p

Electric antenna control: 12V (500mA)

FM:

Frequency range: 87.5~108MHz Effective sensitivity: 10dB

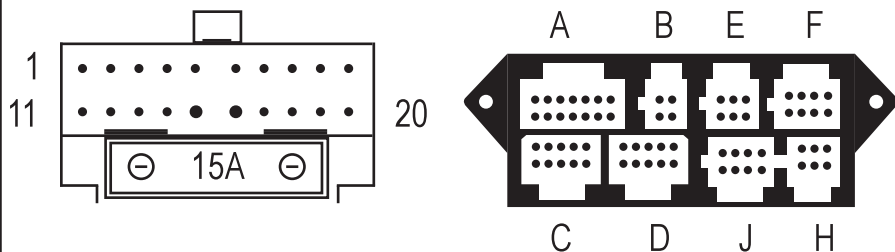
SNR: 60dB

THD: <1 % (1 KHz)

Frequency response: 30-15, 000Hz Stereo crosstalk: 35dB (1 KHz)

AM:

Frequency range: 522-1620MHz Effective sensitivity: 30dB



1	GND (BLACK) SW KEY GND (BLACK)	A	VIDEO OUT 1 (YELLOW) VIDEO OUT 2 (YELLOW)
2	AMPLIFIER (BLUE/WHITE)		LEFT AUDIO OUTPUT (WHITE)
3	CANBUS RXD (GREEN)		RIGHT AUDIO OUTPUT (RED)
4	SW KEY 1 (GREEN/WHITE)		SUBWOOFER OUTPUT (BLACK)
5	BRAKE (PINK)		CAMERA SIGNAL INPUT (GREEN)
6	ACC (RED)		AUX VIDEO INPUT (YELLOW)
7	SPEAKER FRONT RIGHT ⊖		DVR POWER AND VIDEO INPUT
8	SPEAKER FRONT RIGHT ⊕		
9	SPEAKER FRONT LEFT ⊖	B	AUX LEFT AUDIO INPUT(WHITE)
10	SPEAKER FRONT LEFT ⊕		AUX RIGHT AUDIO INPUT(RED)
11	POWER B - (YELLOW)		
12	ANT POWER (BLUE)	E/F/J/H	THESE SOCKETS ARE USED IN
13	CANBUS TXD (GREEN/WHITE)		FISSION MACHINE WHEN THE
14	SW KEY 2 (GRAY/WHITE)		CONNECTING LINE
15	ILLUMI (ORANGE)		
16	BACK (BROWN)	C	iPOD
17	SPEAKER REAR RIGHT ⊖		
18	SPEAKER REAR RIGHT ⊕	D	DVD 6D USB (BLUE)
19	SPEAKER REAR LEFT ⊖		DVD USB (GRAY)
20	SPEAKER REAR LEFT ⊕		HD USB WIFI 3G (YELLOW)

