

XTRONS®



Car Double Din DVD Navigation Entertainment System USER MANUAL

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

Before Using

Please read these instructions carefully before operating and keep them for future reference. It will show you the safety of operation and you will be able to fully utilize all features.

Main features:

1. High Definition TFT-LCD digital screen.
2. Built-in AM/FM receiver, with 30 preset stations, RDS available
3. Compatible with DVD/VCD /CD/MP3/WMA/MP4/JPG/E/AVI
4. With multi-language
5. Built-in GPS multimedia system
6. Built-in Bluetooth function, with touch input
7. GPS sound output mode can be defined.
8. With AV output, can be connected with amplifier and monitor
9. Aux-in function, can be connected with external AV output device
10. Supports USB/SD audio/video/picture display
11. Auto recognition of NTSC/PAL system
12. Hi-fi high power output
13. Real time display
14. Rearview camera input, automatically change to rearview when reversing (A camera is needed)
15. Built-in CMDB digital TV (optional)
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 are 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 machine damage.



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



Replace of 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 dis of 1.0/1.1/2.0/3.0 version		

Main Menu interface

When the unit is turned ON, press the top left HOME ICON button to navigate to Home Main Menu interface.

The system provides functions of NAVIGATION, DISK, RADIO, BLUETOOTH, TV, USB, VMCD, SETUP, SD CARD, iPod, BLUETOOTH MUSIC, DVR, 3G NETWORKS, AXU, GPS MONITOR and GAMES. Press the icons into the relevant function.

Press  to return to previous menu.



Main Menu interface



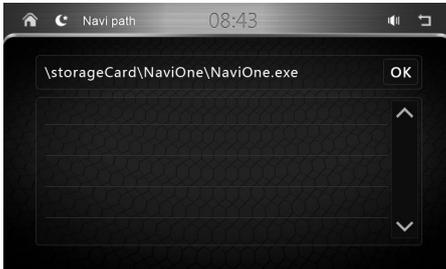
Navigation system

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 going out on the road. Please do not operate the system when driving because it may lead to a traffic accident 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.

Detailed instructions of GPS

Set navigation path. Click "SET UP" in the home page to enter into setting interface, then click "NAVI PATH" to set the Navigation path, shown as below:



After navigation path is set, return to the main interface, and click navigation icon, the system will then switch to navigation interface and start running the navigation software. Shown as below picture:



Radio interface

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



1. **BAND:** Press the BAND button to switch radio bands.
2. **SCAN:** Short press the SCAN button to scan the stations in presorted district. Long press the SCAN button to automatically search station and put the searched stations into the presorted district order according to signal strength.
3. **ST:** Single Track in FM band. Press the ST Button to switch between ST and MONO. The default setting is ST. AM band doesn't have this function.
4. **DX:** In FM band, press the DX button to switch between LOC and DX. The default setting is DX. AM band doesn't have this function.
5. **Keyboard:** Press the KEYBOARD button, will pop up a numeric keypad, and let you enter the signal frequency.
6. **EQ BUTTON:** When the unit is playing back from CD / DVD /MICRO SD or USB STICK, press the EQ BUTTON to choose between the different EQ playback styles: NORMAL/POP/ROCK/JAZZ/CLASSIC. Also allow you to adjust Treble, Mid and Bass.

TV function

The system has built-in TV function. It supports TV signal inputs of all colour and sound systems. Shown in the following picture:



Enter

Click TV icon in main interface then press MODE key in remote control to switch and enter TV mode. Press "Auto Search" button to start automatic search of TV channels. The channels that searched will be stored automatically.

Touch screen, the "Auto Search" button to start automatic search TV channels, the search range for the entire TV channel range, automatic memory search to TV channels to the serial number increments preset channel body in.

Exit

Select or automatically turn to other play mode.

Play USB

When the device is powered on, the system will automatically switch to USB/SD play mode after connecting a USB/SD. When USB/SD is connected to the device that is not under running state, it shall click "USB"/"SD" icon in main interface/press mode key in remote control to switch play source to USB/SD play mode after the device runs. Formats supported by USB/SD: MP3/WMA/MP4/JPEG/ BMP etc. Shown as below picture:



Play DVD

Attention: Please use standard and genuine discs and keep the discs clean. Proper use can assure normal service life of this product.

Insert the disc into disc inlet slightly, the disc will be pulled into the device and played automatically.

When there is a disc in the device, press MODE or press DVD icon in the main interface, it will turn to display disc menu. If the disc is stuck or cannot be pulled in, please long press

▲ Exit button until the DISK has 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

The system is built-in 3G network function. Click 3G in the main menu interface to enter into the 3G network mode, shown as below picture:



Click 3G DIALING icon to enter the dialing interface.



Bluetooth

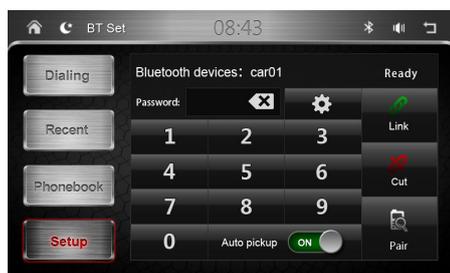
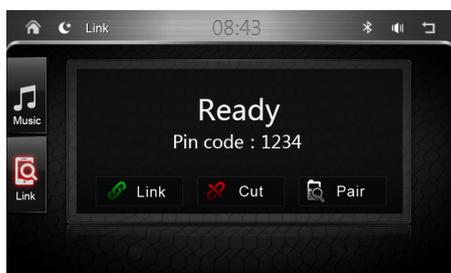
This device has Bluetooth and hands free function. If your mobile has Bluetooth function, it can set up point-to-point connection with this device. To make and receive calls as well as wirelessly play music.



Bluetooth operation

1. Pairing

Enter into Bluetooth interface and then press PAIR. Open the phone's Bluetooth settings, and search for new pairing. When your phone has found the Bluetooth, that is the name of native Bluetooth device, select this device and connect to it. Input a password (default password 0000), the phone will pair with the device automatically.



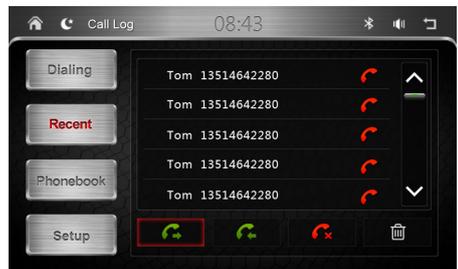
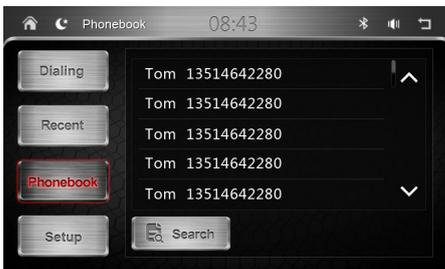
Bluetooth

2. Press **DIAL** to enter Bluetooth phone call interface, shown as below picture:



3. Make a call

Enter the phone number by the number key-press in Bluetooth interface. Click dialing key to make a call. Or select the phone number from missed calls, received calls, dialed calls list and then click dialing key to make a call.



Bluetooth

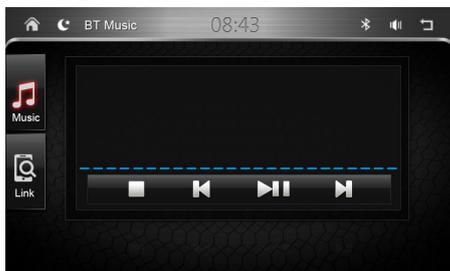
4. Answer a call

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, click dialing key to answer a call. Click hang up key to end the call. While calling, users can click hang up key to end the call.



5. Play phone's music

This function is only available when the system is connected with mobile phone. When the mobile is playing music, click the BT MUSIC icon in main menu interface, switch to music play interface, shown as below picture:



1.  ---Stop Play.
2.  ---Last Section / Item.
3.  ---Play / Pause.
4.  --- Next section / Item.

iPod interface

This system supports iPod audio and video playing. iPod is a large capacity media 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.

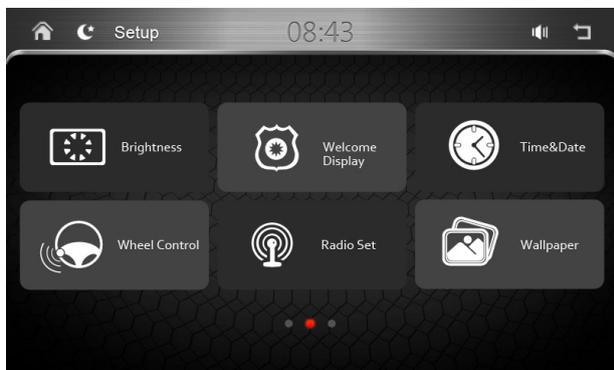


When the device is under running state, the system will automatically switch to iPod play mode after connecting to iPod. When iPod is connected to the device that is not under the running state, it shall click iPod icon in main interface to switch play source to iPod play.

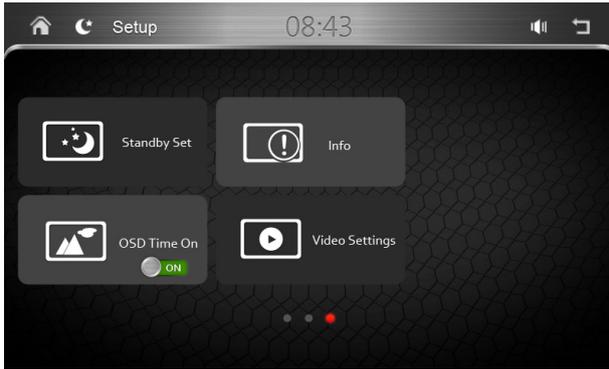
iPod operation can be done by touch screen and the steering wheel control. The detailed information such as the name of song, singer, playing state, will be showed on the screen.

Setting interface

Click SETUP in the home page to enter into setting interface, here including Navi setting, Timer setting, Sound setting, Light setting, Language setting, Option setting, Background setting, Steer wheel setting, Car logo setting, Standby setting, Radio setting, Sys info.

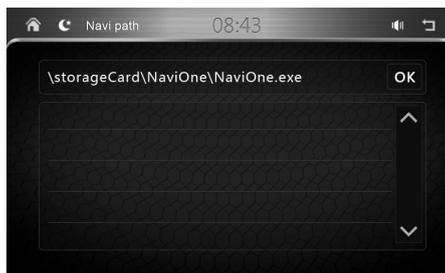


Setting interface



Navi set

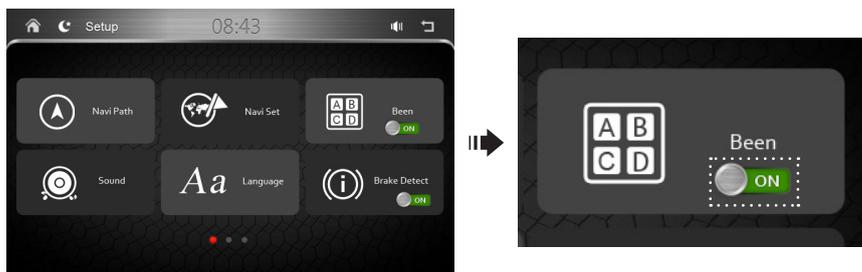
1. GPS navigation path setting. (Please read Page)



2. Click system setting, then click “ **OK** ” to enter into navigation routing menu to select correct routing, in order to run the map. Remarks: only when the correct navigation map routing is selected, can you run the GPS navigation function.

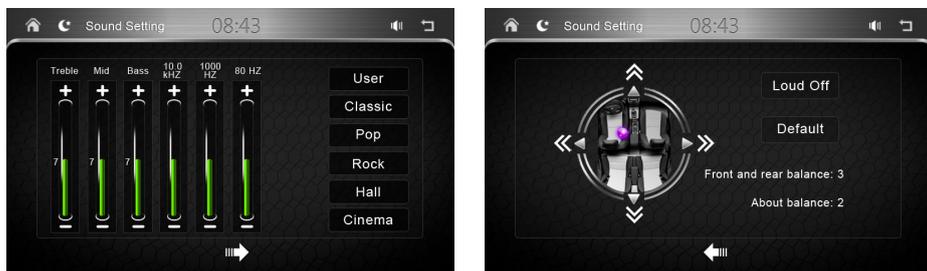
Beep setting

Turn the Beep ON/OFF switch to either ON or OFF



Sound setting

Here the user can adjust tweeter, woofer, front, rear, left, right channel, EQ setting (cinema, user, classic, popular, rock, etc.), and Loud on



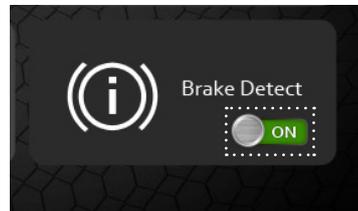
Language setting

Click to select the language. The system is built-in multi-languages: Chinese, English, Russian, Portuguese, French, Spanish, Arabia, Deutsch, Turkish, Japanese, Thai, and Indonesian



Brake Detect setting

Turn the Brake Detect ON/OFF switch to either ON or OFF



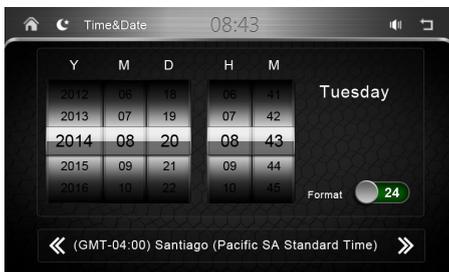
Brightness setting

To change the screen darker or brighter



Time setting

It includes time setting and date setting, the user can select either 12 hour or 24 hour system. Click it and input the digit, then click "OK".



Steering Wheel control setting

Learn the buttons between steering wheel and DVD unit one by one, then you can control DVD unit through steering wheel button.



Radio setting

The user can select the radio area: Europe, Russia, N.AMERICA, S.AMERICA, JAPAN



Wallpaper setting

The user can select the background images then click the OK.



Standby setting

The user can set off-screen time here; 3 minutes; 5 minutes; 10 minutes; standby so for now. It will be on all the time if setting is cancelled.



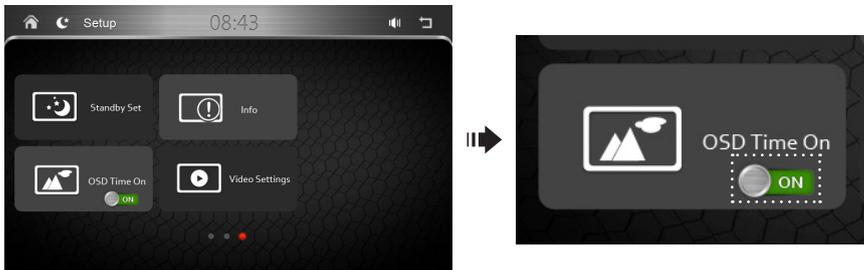
System info

Here the user can view the software specifications, adjust the touch panel, and reset to factory settings.



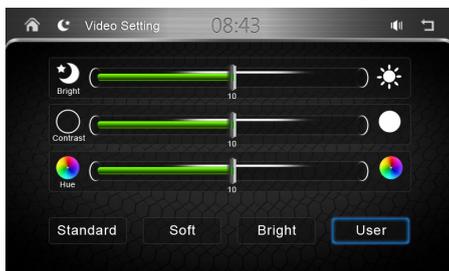
OSD Time ON

Turn the OSD Time ON/OFF switch to either ON or OFF



Video Settings

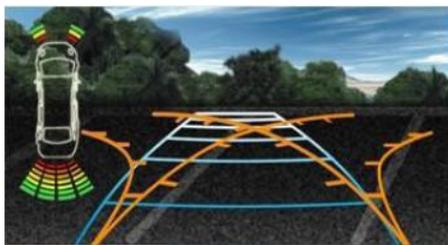
Here the user can set the favor Bright, Contrast, ue, and choose the Standard, Soft, Bright and User preset mode.



User friendly

Visual parking system

When backing-up the car, switch to the reverse gear, the car stereo will automatically switch to Reverse Camera mode; if a car camera already installed on the back, the screen will show the picture from the camera to help you reverse the car.



User friendly

Hand brake testing

Connect hand brake wire between DVD unit and car hand brake to activate parking testing function, then it will show video signal on the DVD 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.

Off-screen function

When driving at Night time, for safety purpose, short press TUNE or DISPLAY button to turn off the screen, while the DVD unit still keeps working and you can listen to the audio; press TUNE again or click the touch screen to turn on the screen again.

Please note: there are some models which have no TUNE button, the user can enter into backlight setting to adjust it.

Telephone mute

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

Remote control

Here the user can set the favor Bright, Contrast, ue, and choose the Standard, Soft, Bright and User preset mode.



Disc types	Disc types
	Power switch on/off key
EJECT	Key for ejecting/suctioning disc
SRC	Switch mode
OPEN	Key for opening and closing screen
ON/UP	Screen angle adjustment
	Under disc mode, select previous/next section; under radio mode, select previous/next saved radio station
VOL-/VOL+	Increase/decrease volume
MENU	Enter primary interface of the system
MUTE	Mute key
BAND	Select AM/FM bands, stop play under other modes
	Play/pause
ZOOM	Under DVD mode, key for image zoom
ROOT	Under DVD mode, key for entering primary menu of the disc
1.2.3.4.5.6.7.8.9.0	Numeric key
PBC	Under VCD mode, key for entering PBC menu
SETUP	Enter system setting menu
SEARCH	Search and play
AUDIO	Under other modes, key for switching audio sound tracks
ANGLE	Under DVD mode, key for switching audio sound tracks
REPEAT	Repeat key

Caution

1. Service life of the battery is about 6 months under normal conditions. If the remote control cannot be operated normally, battery shall be replaced in time.
2. If the remote control is out of service for a long time, the battery shall be taken out to prevent liquid leakage that can damage the remote controller.
3. Avoid dropping the remote control to prevent damage.
4. Do not dismantle and cushion the battery, or put battery into fire or place with other metal articles.
5. Place the battery of remote controller in a safe place to prevent the children from swallowing the battery. If the child swallows the battery by accident, please bring him/her to see the doctor immediately.

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 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
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 and then 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

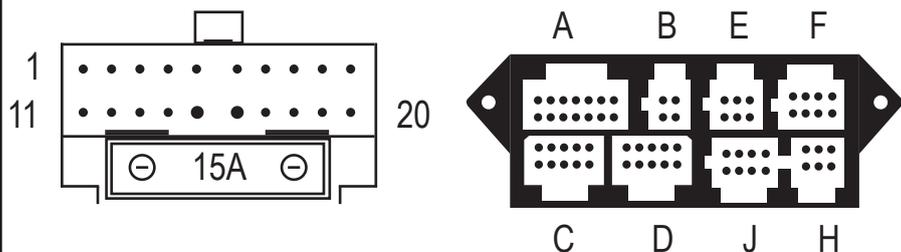
SNR: 60dB

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)

