

CASKA

Auto Audio & Video Entertainment System



USER'S MANUAL

NO. A00



Please read this manual carefully before using this product and properly keep the manual for future use.

Safety Statement

- ★★★ Watching TV or other programs or performing relevant operations while driving is prohibited by law in some countries.
For your safety, please do not watch any programs and perform any relevant operations while driving!
- ★★★ As for car backing, this system works simply as an assistant tool. This company is not responsible for any potential car backing accidents.

Warning

- ★★★ While using the compact disc changer of this product, be sure to follow this Operation Guide on “Compact Disc Changer” , “Compact Disc Changer Mount” to control, adjust, and conduct performance control, for fear that improper use may damage the unit!
- ★★★ Non-professionals please do not dismantle this player or attempt to make any modifications. Since this player is a very complicated electronic and mechanical device, please do not dismantle it or modify any parts at will, so as to avoid damaging the player and causing irreversible loss.
- ★★★ This player contains precision electronic mechanism. Please do not apply external force on it when it is stretching out or drawing back, turning or halted, less the mechanism may be damaged.

Notice: Due to technical improvement, specification and design are subject to change without notice.

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1. Summary

Thank you for your purchase of this high quality electronic product series for car of this company. This product is a car audio/video entertainment system, a system featuring multiple functions, up-to-date GUI. It has been integrated with a DVD player, a radio, a GPS, Bluetooth communication, a TV (external) and an audio power amplifier. With professional on-board slot-in DVD loader, the system plays DVD/VCD/MP3/WMA/MPEG4/JPEG discs. By using high sensitivity FM/AM band digital tuner, you can keep track of world trends and financial information at anytime anywhere. A 16: 9, 7 inches super high definition TFT digital LCD display is used on this system. The brightness of the display can be changed automatically with ambient light, its position can be adjusted by turning it for not only wide angle view, but also offering a best visual status all the time as well; the system offers Back Car Radar, Rear View Camera, GPS, Compact Disk Changer, and AV auxiliary function port. Once you choose our accessories like Back Car Radar, Rear View Camera, GPS, and Compact Disc Changer, most of your function requirements will be satisfied. The structure size complies with ISO ONE DIN on mounting size.

All professional design of the sub-system is intelligent, human friendly, and GUI operated; the system provides OSD menu for display; the functional operations are implemented with panel functional keys and touch screen keys, and all functional operations are implemented with remote control, friendly human-unit interaction; it fully satisfies your aspiration for leisure and convenience; if you own a Bluetooth mobile phone, you needn't pick up your phone, because you can directly talk with the caller via the unit; its foreground and background functions suit the needs of people sitting in the rear row. To install and use the product properly, please read the Manual carefully.



Remark: the above symbol indicates that this product hasn't any harmful material or elements, it is environmental and recyclable, and shouldn't be littered at random.



- ① Manufactured under license from Dolby Laboratories;
- ② “Dolby” and the “double-d” symbol are trademarks of Dolby Laboratories.

2. Product Features

2.1 Product Specifications

System Parameters

Item	Specification
Working voltage	DC 11V~14V
Working current	MAX 15A
Working temperature	-20°C ~ 60 °C
Video system	PAL or NTSC automatically
Screen dimensions	154.08mm (H) × 87.05mm (V)
Internal dimensions	18.0(W) × 19.0(L) × 5 (H) cm
Weight	2.25Kg

Function Parameters

Radio Parameters	
Range of frequency	FM: 87.5MHz~108MHz; AM: 522KHz~1620KHz
Tuning Mode	Phase locked loop frequency synthesis tuning
Display mode	TFT panel display or OSD
Memory capacity	18 FM stations; 6 AM stations
Search mode	Automatic/manual
DVD Parameters	
Video output	1 ± 0.2Vp-p (75 Ω)
Disc format	Diameter 12cm
Disc compatible	DVD/VCD/CD/MP3/WMA/JPEG/MPGE4
Video system	PAL or NTSC (auto)
Amplifier Parameters	
Test voltage	13.8V
Max output power	4×45W
Speaker resistance	4 Ω (4—8 Ω could be accepted)
Separation	≥ 45dB
Frequency response	20Hz~ 20KHz(±3dB)
AV Parameters	
Video output	1Vp-p (±20%)
Video input	0.7Vp-p ~ 1.5Vp-p
Video system	NTSC (default) / PAL / SECAM/PAL-M
Disc changer Parameters(optional)	
Power voltage	DC 11~15V
CDC capacity	For 6-disc product (only for our company products)
Disc format	Diameter 12cm
Video system	PAL or NTSC

1. 2. 2 Product Functions

System function:	Built-in DVD, Radio, GPS, 4X45W Power Amplifier, with a Compact Disc Changer, Back Car Radar, rear view camera, AV input, TV and external output port of power amplifier audio.
DVD function:	Plays discs in DVD/VCD/CD/MP3/WMA/JPEG/MPEG4 formats.
TV function:	External TV box, multiple system, full band, electronic tuning, 40 channels is stored.
Radio function:	Digital tuning, 24 radios stations can be stored.
Display:	7 inches, 16: 9 TFT high definition digital liquid crystal display. It can adjustable screen angle.
Bluetooth handsfree:	It is convenient to operate this player.
USB interface:	It offers Bluetooth handsfree communication function. Supports version 1.1 U-Disc, having such functions as MP3, MP4, JPEG and WMA audio play and image browse.
Navigation function:	An intelligent system capable of intellectually optimizing the best driving route according to the user's destination and guiding the driver smoothly to the desired destination by vocal announcement and high-precision graphical display of both the road names of the whole route and phonic playing of traffic identification and signs.
Function of music concurrent with navigation:	You can enjoy music as usual when there is no navigation sound prompt so as to make your travel more comfortable and more joyful!
Navigation handle-writing function:	Provides navigation status and enables inputting by handwriting on the touch screen, so that operation is more convenient and faster.
Optional function:	The 6-disc DVD changer and TV box of our company are optional.
Car backing display:	It is connected to the rearview camera, so that you can view the car backing status when you are backing up your car.
Car backing radar:	For viewing car-backing status more directly when the distance detected by radar is display on the high definition LCD.
Display system:	Automatic PAL\NTSC\SECAM, featuring wide range of application and good compatibility.
Menu function:	All operations display OSD characters.
Remote control:	Full function IR remote control operation.
Automatic memory:	All adjusting parameters are automatically memorized, and can be automatically recovered.
Signal Selection:	AV input/output, providing convenience for external signal connection.
BBE sound-effect Processing:	Provides BBE sound effect processing function.
ROOM EQ processing:	Provides ROOM EQ sound effect processing function.

- Audio output port: Audio output interface having two audio channels; 4 sound channel and 5.1 sound channel, providing compatibility with external power amplification.
- Video mode: Four optional video modes: standard, bright, gentle, and user.
- Tone mode: Adjusts high, mediant, and low pitch mode.
- Black screen function: To prevent intensive light glaring and hindering of normal driving at night, a blue screen is specially set up for menu operation with black screen shown under other statuses.
- Dual zone function: Control dual zone play functions, to meeting different requirements.
- Sound field mode: Three optional sound field modes: rock-and-roll, classic, and popular.
- RDS Function: AF, TP, TA, PS, PTY, etc.

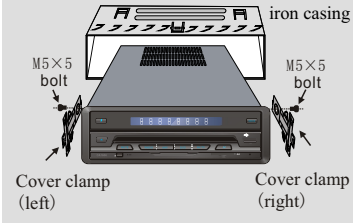
3、 System Installation

3.1 Installation Precaution

- ◆ This product is specially designed for vehicles using a 12V battery with common ground. For use on other vehicles, please connect it to a power supply adapter or consult the manufacturer.
- ◆ To avoid short-circuit, it is suggested that the negative pole of battery be disconnected before installation.
- ◆ Do not override the fuse to connect this product directly to the battery.
- ◆ Never connect the power wire of this product directly to power wire of other electrical appliance.
- ◆ Never plug in a part when the power is on.

3.2 Host Unit Installation

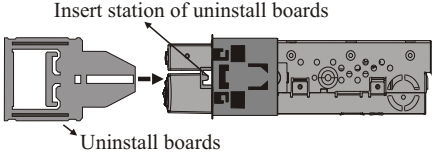
- ◆ Remove the slide lid of the original audio unit of the car, also clear audio unit installation slot;
- ◆ Take the iron casing and put it into the slot;
- ◆ Install the left and right cover clamp on both sides of the host;
- ◆ Connect the host unit as shown in the diagram. And put the connected host unit into the iron Casing. Do not block the fan outlet to ensure favorable ventilation.
- ◆ Stick the external trim of the original car onto the dashboard, and then stick the panel onto the external trim (as shown in the above diagram).



- ★ While dismantling the host, please first eject the store box, expose the corners A and B of the external trim, put up the two corners, so that the external trim at this position loose at first, and then put up all clamps one by one along the fringe of external trim, until the external trim detaches from the dashboard .
- ★ Then insert the left and right dismantling boards in between the cover clamps and the iron casing, as shown in the right diagram; when the board is inserted to the intended destination, hold the dismantling boards on both sides and pull it outward, the host will be pulled out. (As shown in the diagram below)

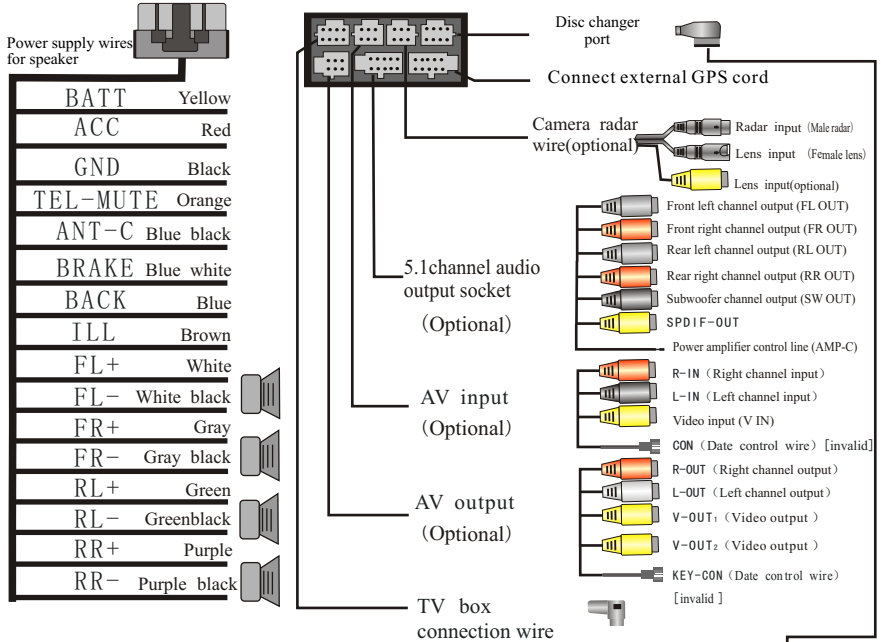
3.3 System Connection

- ◆ Disconnect the wire “+” pole of the storage battery;
- ◆ Connect to the host;
- ◆ Connect to TV and radio antenna;
- ◆ When there is any accessories , connect the corresponding wires of the accessories;
- ◆ Connect to the speaker/external amplifier. If it is equipped with Back Car Radar/Rear View Camera, please connect the car backing wire (BACK) to the car backing switch or car backing lamp circuit (12V is valid);
- ◆ Connect the socket of the power wire with the plugs of the original audio wire of the car one by one;
- ◆ Check if the wires are correctly connected, tidy all the wires and connect the storage battery “+” pole wire;



NOTE: This product is a very complicated system. Any breach of the rules during the operation may affect the normal use. Please switch to other step properly, and start it again ACC or operation reset button.

3. 4 System Connection Diagram



GPS external antenna port



Radio antenna port



4. Description of Button

4.1 Function of Buttons on the Panel



4.2 Brief Introduction of the Panel:

- | | | |
|-----------------------------|---|--------------------------------------|
| (1) DVD Play/Eject | (7) Repeat the track/AF switch when the screen is withdrawn, press it for a long time to select the previous track/channel. | (13) USB Port |
| (2) Mute | (8) (10) Move outward/inward the display screen. | (14) Power switch key |
| (3) Volume - | (9) Select GPS navigation/TA switch when the screen is withdrawn, press it for a short time to select the next track/channel. | (15) Video mode key |
| (4) Screen angle adjusting- | (11) Function Selection | (16) Small LCD display |
| (5) Volume + | (12) Reset hole | (17) Remote control receiving window |
| (6) Screen angle adjusting+ | | (18) MIC input jack |
| | | (19) SD card slot |

4. 3 Description of Dual Zone Remote Control Function:
































When operating the remote control and panel button, press some buttons for a long time to perform another function. It is normal that the host unit buzzes without performing any function.

4. 4 Description of Button

1. **⏻** Button: Press **⏻** button on the panel to turn on the unit or show or withdraw the display. press **⏻** button on the panel for 3s to stand by the unit. press **⏻** button on the remote control for a long time to stand by the unit.
2. **(O/C) ▲** Button: A. Press it to turns on and withdraws the display. B. At the DVD status, when press it for a long time to load or eject the disc.
3. **RADIO** Button: Select radio play function.
4. **DVD** Button: A. Select DVD play. B. DVD status, press the button to switch to play portable hard disc.
5. **CDC** Button: Select disc changer play function.

Description of Button ○.....

7.  Button: A. Press it for a short time to enter GPS navigation status;
 (on the remote control) B. In the GPS navigation status, press it for a short time to enter the main menu for navigation, press it for a long time to exit the GPS navigation status.
8.  Button: Select camera function
9.  Button: Select TV/AV play function.
10. **ENTER** Button: A. Status confirmation; B. Save station in TV status.
 C. In DVD\CDC status, press it for a long time to enter (exit) system menu setting;
11. **Direction** Button: Cursor movement, menu selection.
12.  Button: A. In the DVD and CDC status, press it for a short time to repeat the track.
 B. Press each step for a long time to turn on or turn off AF function.
13.  Button: Entry/Exit setup menu.
14.  Button: Choose video mode CUSTOM-SOFT-STAND-BRIGHT.
15.  Button: A. In the DVD and CDC status, pressing it for a short time starts Fast Forward.
 B. In the DVD status, pressing it for a long time will zoom in an image.
 C. In the GPS status, Pressing it for a short time will zoom in a map.
 D. In the radio, TV status, pressing it will manual-fine-tune to the high frequency end.
16.  Button: A. In the DVD and CDC status, pressing it for a short time starts Fast backward.
 B. In the DVD status, pressing it for a long time will zoom out an image.
 C. In the GPS status, Pressing it for a short will zoom out a map.
 D. In the radio, TV status, pressing it will manual-fine-tune to the low frequency end.
17.  Button: A. In the DVD and CDC status, select a track downwards.
 B. In the radio and TV status, downward select a station to play.
18.  Button: A. In the DVD and CDC status, select a track upwards.
 B. In the radio and TV status, upward select a station to play.
19.  Button: A. In the DVD and CDC status, Play/Pause a track.
 B. In the GPS status, select an input method.
20.  Button: A. In the DVD and CDC status, it terminates playing.
 B. Pressing a little longer each step will enable/disable TA function.
 C. In GPS status, return to the main menu function.
21.  Button: DVD status, Select Sound filed mode CLASSIC-POP-ROKE-DSP OFF.
22.  Button: Press it to increase, decrease volume.

23.  Button: A. In the DVD status, when playing a disc with root directory, return to the root directory menu.
 B. In the navigation status, it switches the current map and map interface.
24.  Button: A. When in radio, TV function is enabled, press it for a long time to search the station automatically.
 B. When in DVD status, press it to switch the caption.

25.  Button: A. When in radio mode, press it to select band.
B. When in DVD and CDC status, press it to switch language (channel).
C. In the DVD status, press it for a long time to switch the system (P/N/AUTO);
26.  Button: A. When inputting text in GPS status, delete the previous inputting text (only Pinyin input method is valid).
B. Press it for a long time to enter DVD and CDC status, and play information is displayed.
27.  Button: In CDC status, press it for a long time to select disc 1, press it for a short time to select track 1.
28.  Button: In CDC status, press it for a long time to select disc 2, press it for a short time to select track 2.
29.  Button: In CDC status, press it for a long time to select disc 3, press it for a short time to select track 3.
30.  Button: In CDC status, press it for a long time to select disc 4, press it for a short time to select track 4; In DVD status, press it for a long time to snatch a picture.
31.  Button: In CDC status, press it for a long time to select disc 5, press it for a short time to select track 5.
32.  Button: In CDC status, press it for a long time to select disc 6, press it for a short time to select track 6.
33.  Button: A. Press it in combination with other digital button to select 10 or more, stations or tracks. Likewise, select the corresponding stations and tracks, for instance, press 10+ twice and press digital button 8 to select track no. 28 or station to play.
B. In DVD status, press it for a longer time, you can enter the “time setting” function for DVD playing.
34.  Button: A. In CDC status, press it for a short time to select a track.
B. In DVD status, pressing it for a long time, it will become PBC switch (VCD2.0).
C. At the CDC step, press the “0” button for a long time to return to Disc Box Picture status.
37.  Button: Press it for a short time to fine-tune the screen angle up or down. Press it for a long time to persistently turn the screen down or up.
39.  Button: Turn on /off volume;
40. Panel **RPT** Button: A. In the status of screen in and DVD or CDC , press it for a long time to repeat a track; press it for a long time to select the previous track;
In radio or TV status, press it for a short time to select the previous station; press it for a long time to activate AF function;
B. In the status of screen out and DVD or CDC , press it for a short time to repeat a track.
41. Panel **NAV** Button: A. In the status of screen out , press it for a short time to Enter/Exit navigation music; press it for a long time to activate TA function.
B. In status of screen out and DVD, CDC, radio, TV screen in, press it for a short time to select next track or station.

Description of Button ○.....


- 42. Panel“SRC” Button : To switch among various status: “FM-TV-DVD-AV-CDC-CAM”;
- 43. Panel“^V” Button : Press it to move the display outward or inward horizontally;
- 44. Panel “▲” Button: A. In other status, press it to switch to DVD status;
B. DVD status, press it for a short time to enter or eject a disc,
press it for a short time to enter the USB playing mode;
- 45. Reset hole: In the host unit ACC open status, press the reset hole slightly, all settings for the host unit will restore to factory settings.

Press digit button on the remote control in TV or radio status to select the preset stations directly, while in DVD or CDC status, to select the tracks directly. In the radio status, press the button 1-6 for a longer time to save the current stations.


5. System Operation

5.1 Basic Operation



5.1.1 Turn on

Insert your car key to open ACC power. After 3s, the system automatically enters the startup status and the LCD screen restores to the function status of the last shutdown. At this time, press the remote control to perform the corresponding function operation. The relevant operation is displayed on the LCD screen; in the standby status, press the  button on the panel or on the remote control for a longer time to turn on the display.



5.1.2 Turn off

- ◆ Pressing the  button for 3S, the display screen withdraws into the compartment and the LCD screen displays clock. At this time, the system is in standby status, if the car key is pulled out, the power of the host unit will be turned off.
- ◆ In the startup status, if the car key is directly pulled out, the system will firstly withdraw the display screen, and then turn off the power for the host unit.



5.1.3 Adjust the Display Angle

Press the   button on the panel or remote control to adjust the display angle. Press them for a longer time to adjust display angle continuously.

5.1.4 Adjust the Display Position

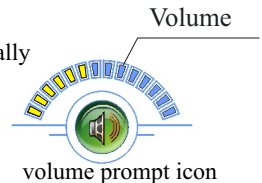
Press the   button on the panel to move the display horizontally outward/inward.

5.1.5 Adjust the Volume



Press the   button on the panel or remote control to adjust the system volume;

Open the touch menu. Touch the   to adjust the system volume.


NOTE: During the use process, each time when the volume up/down button is pressed, the volume will increase or decrease, after you have pressed it three times, the volume prompt icon will increase or decrease by one box.

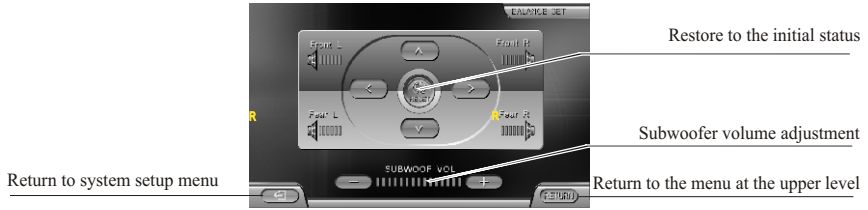


5.1.6 Switch Video Mode

Press the  button on the panel or  button on the remote control. Change the four video modes among SOFT, STAND, BRIGHT, and CUSTOM.

5.1.7 System Function Selection

Open the touch menu; touch  to enter the home page menu interface. Touch the button directly to select a corresponding system function playing, as shown in the diagram.



BALANCE

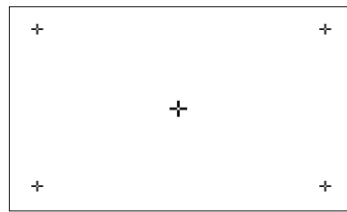
Parameters settings: Operate it directly or press the left and right direction buttons combine with enter button on the remote control to perform an operation.



HOUR SETUP



SYSTEM SETUP

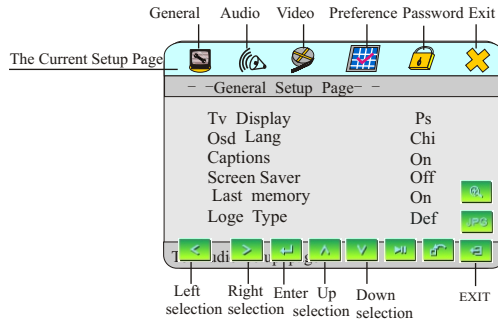


TOUCH ADJ

Note: When position of the touch character has errors, you can correct it by “Touch ADJ”. In the process of touch calibration, use a non-sharp object to align “+” center to calibrate, the center point of the cross is demanded to be accurate, medium in strength, otherwise it may affect the touch calibration accuracy.

5.3 DVD System Setup

in DVD status, enter the home page interface. Open the setting menu. Touch **DVD SET** or press the enter button on the remote control for a longer time or press the **↵** button under the “CTL” menu to enter the DVD setup interface (the general setup menu interface is shown in the following diagram).



◆ Operation on Menu Setup Page:

- Press left and right direction button on the remote control to select menu setup page. Then press Up/Down direction button to select the item on the menu setup page. Finally press enter button to conform your operation.
- Touch the **<** **>** cursor on the menu to select the menu setup page. Press the **▲** **▼** cursor again to select the specific item from the menu setup page, and then press the **↵** cursor to conform your operation.

◆ Exit the Setup Menu:

Press the enter button on the remote control or **↵** button under the “CTL” menu for a longer time to exit the menu setup page.

Note

- In the lower menu of the menu setup page, press the left direction button on the remote control or touch the **<** cursor to return to the menu at the upper level.
- The menu item in brown indicates it is selected.



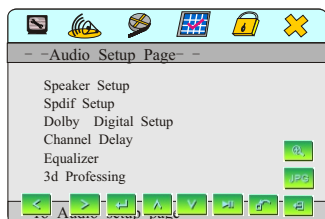
General Setup Page

Setup	Option	Description of Function
Tv Display	Normal/Ps	Images will be scanned and output in the format of “Panorama”
	Normal/LB	Images will be output in the format of “Message box”
	Wide	Images will be output in the format of “Wide screen (16:9)”
OSD Lang	English/chinese/French/ German/Italian/Spanish/ Portuguese/Dutch/Others	Select the DVD system interface language of the player. (needing the disc backing)

Setup	Option	Description of Function
Captions	ON	Select display or hidden the subtitle of the disc (needing the disc backing)
	OFF	
Screen Saver	ON	When the player is placed under the stop status or when picture is held still for 3-4 minutes, the screen saver picture will appear.
	OFF	
Last memory	ON	During DVD playing, reset the machine and switch to DVD status or switch to other status and switch to DVD status again, then the player resumes the last playing parameters, and playing sequentially.
	OFF	
Logo Type	Default	Display the default logo type
	Blue SCR	When it is set up to Blue SCR, the Logo type is the Blue SCR.
	Captured	The Logo type is the grabbing picture of the consumer.

Audio Setup Page

Speaker Setup Page



Audio Setup Page



Speaker Setup Page

Setup	Option	Description of Function
Downmix	LT/RT	Dolby stereo, distributing the sound from the middle and the surround channels to the left and right stereo.
	Stereo	When the playing disc is with 5. 1 channel audio signal, the audio output left and right channel signal
	V Surr	The left and right channels create surround sound effect.
	OFF	The audio output 5. 1 channel audio signal.
Speaker	Front speaker	"LRG" means all band speaker.
	Center speaker	"SML" means the medium and tweeter speaker.
	Rear speaker	The consumer may adjust depending on the practical speaker configuration.
	Subwoofer	
Test Tone	ON	When the test tone is turned on, the system will play a section of test audio in accordance with the sequence of the front left, center, front right, right surround and left surround sequence. If there is audio signal output, the connection of the player and 5. 1 channel power amplifier and setup is correction,
	OFF	
Dialog	00-20	Adjust the volume of the DVD disc dialogue .
Post DRC	ON	It is to set up the post DRC ratio of sound. It is suggested that the post DRC is set up to "Auto" mode.
	OFF	
	Auto	

Remark:

- The 5. 1 channel output can only be turned off when the "DOWNMIX mode" is set up to "STR".
- The dialogue volume can only be set up when the "DOWNMIX" is set up to "STR" or "LT/RT".
- It can only enter the "Test Tone" mode and carry out the setup for the center speaker and rear speaker when the display screen displays "No disc" and entering the system setting.

SPDIF Setup Page

Setup	Option	Description of Function
SPDIF	SPDIF ON	Meaning that the output signal is an analog signal.
	SPDIF / RAW	Meaning that the true form source code flow of the DVD disc is delivered directly through digital port. That entry is selected when the DVD SPDIF output is connected with that of the digital power amplifier.
	SPDIF / PCM	Meaning that the code flow of the disc had been decoded before it was encoded into the PCM digital signal output. That entry is selected when the DVD audio output analog signal is connected with 2-channel digital stereo
PCM channel	SPDIF L/ R	Meaning that the output signal is an analog signal.
	SPDIF L/R Surround	Meaning that the true form source code flow of the DVD disc is delivered directly through digital port. That entry is selected when the DVD SPDIF output is connected with that of the digital power amplifier.
	SPDIF center /subwoofer	Meaning that the code flow of the disc had been decoded before it was encoded into the PCM digital signal output. That entry is selected when the DVD audio output analog signal is connected with 5-channel digital stereo amplifier.
LPCM Output	48K	It is available to convert 96 K LPCM digital audio into 48K LPCM output when selecting LPCM as 48 K. (That entry is selected when your power amplifier does not support 96K LPCM decoding.) It is available to deliver the LPCM digital audio in true form output when selecting LPCM96 K.
	96K	

Remarks:

- ◆ The setup of PCM channel entry can only be carried out when "SPDIF output" is set to be "SPDIF/PCM" or "Other".
- ◆ If the sampling rate of LPCM of the disc is smaller than the sampling rate chosen, then the smaller output is delivered (if the disc is 48 K, but the consumer's selection is 96K, the actual output is 48 K)

Dolby Digital Setup

SET	Option	Description of function
Dual Mono	Stereo/L-Mono R-Mono/Mix-Mono	This entry is the selection of Dolby digital channel setup.
Dynamic	FULL-OFF	The greater the dynamic range compression rate, the less obvious of the dynamic range difference.

Channel Delay

Select the sound configuration through touch up/down cursor. Touch Left/right cursor to adjust the sound delay distance of the sound chosen. Press confirm cursor to confirm and exit.

The Sound Delay Distance: Select different sound transmission effect in different space, and the magnitude of space decides the magnitude of delay.



Equalizer Page

Setup	Option	Description of function
EQ Type	Done/Rock/Pop/Live/Dance/Techno/Classic Soft	This setup is to set up the player output audio, and it is available to imitate various effects of music style.
Bass Boost	ON	This setup is to set up whether or not enhancement of bass output.
	OFF	
Super Bass	ON	This setup is to set up whether or not enhancement of super output.
	OFF	
Treble Boost	ON	This setup is to set up whether or not enhancement of treble boost.
	OFF	

3D Processing Page

Setup	Option	Description of Function
PRO LOGIC II	ON	Dolby directional logic setup, the setup is only effectively when "DOWNMIX" setup in "Speaker setup" is setup to "OFF" .
	OFF	
	Auto	
Reverb Mode	Off/Concert / Living Room/Hall/bathroom/ Cave/Arena / Church	The setup is set up the reverb mode to obtain different reverberatory effects.

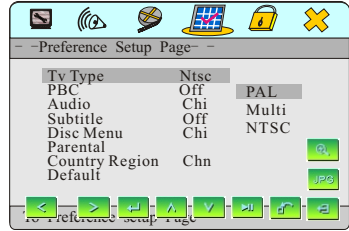
Video Setup Page

Quality Setup Page

Setup	Option	Description of Function
Sharpness	High	To observe a soft picture, choose generally "low", and if the picture is darker, you may select "High".
	Medium	
	Low	
Brightness	-20~20	Adjust the brightness of the picture
Contrast	-16~16	Adjust the contrast of the picture
Gamma	High	This setup is to adjust the DVD output's video signal to meet the TV GAMMA value, making the displayed and recorded images fitting more closely.
	Medium	
	Low	
	None	
Hue	-9~9	Adjust the hue of the picture
Saturation	-9~9	Adjust the saturation of the picture
Luma Delay	0T/1T	Set up the luma with delay or without delay of 1 clock cycle.

 **Preference Setup Page**

Preference Page can only be set up when the disc exiting from compartment and under no disc status.



Setup	Option	Description of Function
TV Type	PAL	Setup the type of the video system
	AUTO	
	NTSC	
PBC	ON	Set the ON/OFF of the PBC menu play control. If turn on the PBC play menu, when playing 2.0 version and above disc, entering the menu folder automatically when reading.
	OFF	
Audio	English/French/Spanish Chinese/Japanese/Korean Russian/Thai/Others	It select the language of the sound when disc is playing (needing disc backing).
Subtitle	English/French/Spanish Chinese/Japanese/Korean Russian/Thai/Others	It select the language of the subtitle on the disc (needing disc backing).
Disc Menu	English/French/Spanish Chinese/Japanese/Korean Russian/Thai/Others	It select the language of the disc menu (needing disc backing).
Parental	1 KID SAF/2 G/3 PG 4 PG 13/5 PGR/6 R 7 NC17/8 ADULT	It set the locking level of the disc menu.
Country Region	China/France/HongKong Japan/Taiwan/Gbr/Usa	It set the code of the region, where the country is located (Needing disc backing).
Default	Reset	Resumes the function setup column to the original status of player before delivery from the plant.

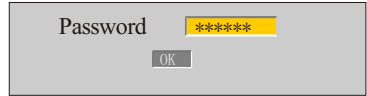
 **Password Setup Page**



Password Setup

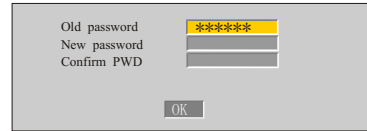
When it is setup to "ON", the password is valid, then if you want to play the disc with password lockup or to change the age class setup, the system requires to enter the password before going on further.

Enter the correct password with the remote control digital key and then press confirm (as shown in the right picture).




Changing Password:

Pick out the sub-entry "Change" and press the confirm button to enter the password changing page, as shown in the following picture. Enter the new and old passwords respectively and confirm the password, press the confirm button and completing the setup.



★ The original password of the system is "136900".

Exit from the Setup Menu

In DVD status, return to the main menu and open the setup menu, then you can touch  or press enter button on the remote for a longer time to exit.

6. Function Operation

6.1 RADIO Operation

- In other status, open the touch menu , touch **MAIN** to enter home page interface, and touch **RADIO** to enter radio status.
- Press the **SRC** button on the panel, and then select the RADIO function or press the **RADIO** button on the remote control to enter radio status.



Play a Selected Radio

Repeatedly touch **FM1** to select the desired band, touch one of the illustrated “Preset Radio Channel” stations among M1~M6, or press remote control digit button to select the desired station to play. The selected station will change its color from blue to yellow and is displayed at the illustrated “current band”.





◆ Automatic Search

Press the **SEEK** for 2s or SEEK button on the remote control to enter the auto search status of the corresponding band, the searched stations will be automatically saved in the corresponding station number, a FM band can save up to 18 stations (6 FM1s, FM2s, FM3s, respectively), a AM band can save up to 6 radios. Press the **SEEK** button again during the search to stop the search automatically.

◆ Manual Search

Press the **SEEK** or **SEEK** button on the screen for 2S or **SEEK** button on the remote control to enter semi-automatic search status; the system automatically searches radio to high frequency end/to low frequency end, when the system find a station, it will stop the search. If the searched station is no longer needed, press the **SEEK** button for a longer time to continue the search, until the desired station has been found. Press one of the channels among M1-M6 on the touch screen or the remote control digit button for a longer time to save the current tuned station; Press it again during the search to terminate the search.



◆ **Manual Fine-tuning**

Click the  or  button on the screen or press the   button on the remote control, the system will be fine-tuned at a frequency of 0.05MHz (FM)/9KHz (AM) to the high frequency end/low frequency end. When tuned to the best status, press the digit button on the remote control for a longer time to save the tuned current station.


★ When it is in fine-tuning and manual search, frequency scanning is in one direction; when scanned to the lowest end or the highest end, scanning will stop.

◆ **Play Preset Stations**


After selecting the radio band status, play the preset radio by following the following method:

- A. Press the digit buttons 1~6 on the remote control or touch the preset station M1~M6 on the screen to play the preset station represented by the station number.
- B. Press the   button on the remote control to move the selected preset station to play.

◆ **Band Selection**

Touch  button or press the BAND button on the remote control, the band will be changed among FM1, FM2, FM3, and AM.

◆ **RDS Function**

At the screen out status, press the RPT button on the panel or the remote control for a long time, or touch the  button on the screen directly to start or stop the RDS function.

In the PS, PTY status as shown in the column of right Diagram, PS (name of the station) and PTY (type of program) of station will be displayed. Touch the PS and PTY button of the display directly, PS, PTY and radio frequency are switched in a circle; if there is no station that sends RDS signal, AF will display that has no signal.



- B. If the current RDS station signal changes from strong to weak, the unit will automatically change to the other frequency point of the station.
- C. When RDS function is disabled, the signal behind the “AF” on the LCD screen will not be displayed. At this time no RDS signal is received.

◆ **TA Function**

A. When TP is enabled, TA function is enabled. When TA function is enabled, “TA” on the display becomes red. When TA information is available, if the volume is less than the value of TA or in silence status, the volume will be adjusted to the volume that the TA value represents, and TA information broadcast will stops, the volume will return to the original status.



B. In other status, the voice of the current status will close. In the case of TA information, when receiving TA information broadcast, if the volume is less than a TA value or in silence status, it

will automatically adjust to the volume represented by TA value, and “TRAFFIC” white characters will be displayed in the left under corner of the LCD screen.

C. When closing AF, TP function is invalid.

D. Having received TA signals, the panel keys and most touch screen keys are invalid.

➤ The unit has four bands: FM1, FM2, FM3, and AM. Each band stores programs for 6 stations, that is, there are 24 station programs altogether.




➤ Press the remote control or touch  or  to start manual search the low and high frequency ends, FM: 0.05MHz/time, AM: 9KHz/time.


➤ **Near/far Search Pattern**

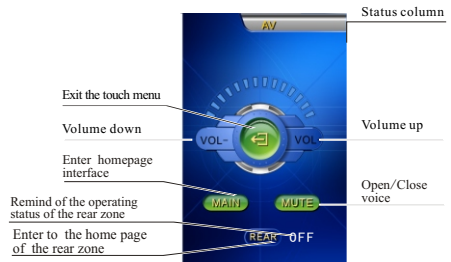
In the short distance search mode, the system locks up only those radio stations with strong enough signals and in good accepting state; the long distance search mode on the contrary.

6. 2 AV Function Operation

This function is available only when connected with outside audio and video inputting.



- ◆ After accessing the home page, touch  or press the  button on the panel or  button on the remote control to switch to the AV input mode. The external audio and video signal will be input to the unit, its touch menu, as show the right diagram.

- ◆ Touch  to exit the AV function operation and return the home page function menu.







6. 3 TV Function Operation (optional)

This function is valid only when the onboard TV antenna is connected.





After entering the home page, touch  or press the panel  button or TV button on the remote control to switch to the TV reception interface. The touch menu is shown on the right diagram. Operate as the graphic illustrates.

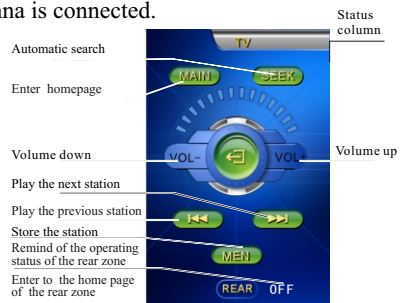
◆ **Automatic Search**

Touch  for 2s or press the  button on the

Remote control for a longer time, the system automatically search station and store it; during the automatic search, touch the  or press the  button again to stop the search process.

◆ **Radio Selection and Play**

Touch   or press the   button on the remote control to select upward or downward stored station to play;



◆ Manual Fine-tuning

Press button on the remote control, the system will be fine-tuned to the low frequency/High frequency band. When tuned to the optimum state, and then touch or press the enter button on the remote control to save the tuned radio stations.

Press the digit button on the remote control to select a station to play.

Press the button repeatedly; the system prompts charters like 1_, 2_ or 3_. At this time input a digit, one of the 0~39 TV channels is selected and played; 40 channels can be preset in this unit. When the selected digit exceeds 39, the system will ignore it.

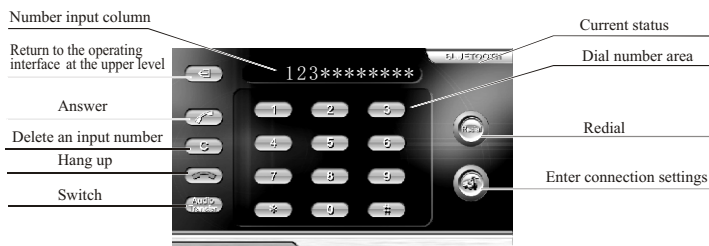
Touch to exit TV function operation. The system will return to the home page function menu.

Enter the TV status, click on the 1/3 of the upper part of touch screen, the above operation interface appears. Click on the left part of the touch screen in the middle and lower part, the radio station selection function is activated. Click on the medium and lower part of the touch screen to downward select a radio station.

6. 4 Bluetooth

The system provides bluetooth hands free communication function. If your mobile phone is bluetooth enabled, it can establish a point-to-point connection with the system, providing dial telephone number and answer telephone functions on the screen, the operation as the following:

Enter the home page interface. And touch to enter the bluetooth function operating



Paring

Touch to enter connection setup interface as shown in the following diagram. Touch to open the Pairing function. Also activate the Bluetooth function of your mobile phone.



While pairing with your mobile phone, the screen will prompt “Pairing...”. When the system detects the signal from the mobile phone, the phone will display “Allow to be connected to the device?”, answer “Yes” on the phone and input password “1234” to confirm. As soon as the connection is successful, the unit automatically displays the model of the paired mobile phone.

◆ In the interface, you can set Auto Answer to “On/Off”, and set “Auto/Manual” connection.

Making Calls

Touch to enter bluetooth main interface. Then input a telephone number by touching the digit buttons on the screen, or dialing the number on your mobile phone directly. After touching the , the system switches the voice of the mobile phone to the onboard speaker system. You can hear the dialing tone and the voice of the other side from the car speaker . When talking is over, touch the or mobile phone to hang up the mobile phone. During the call, touch to switch the voice between the car speaker and mobile phone.

Answering the Telephone

When the mobile telephone is ringing, the system will switch to the interface of buleetooth function automatically at any mode. And the playing sound of the original mode is converted to electric bell. If the call answering setting is “Automatic”, the system will automatically connect to the telephone; if the call answering setting is “manual”, press the or on the interface to select answer a call or refuse a call. The call number will display on the number column.



In the course of talking, touch the to switch the talking voice between the car speaker and mobile phone. This ensures your talking information for safety (press it for a longer time to talk by the mobile phone; press it for a short time to talk by the host unit).




Notice: Due to the differences in Bluetooth modules and software versions the different brands of mobile phones use, in the actual process, some functions may be different or even incompatible, and we beg your pardon!

- ◆ Because of the complicated host functions, some functions may be used simultaneously, the priority of functions is: Bluetooth - Back car -TA (Traffic broadcast).
- ◆ For the sake of your safety, please do not answer a call using Bluetooth function while backing a car!
- ◆ When accessing Bluetooth function in any step position, there is no current music play sound.

6.5 DVD Function Operation

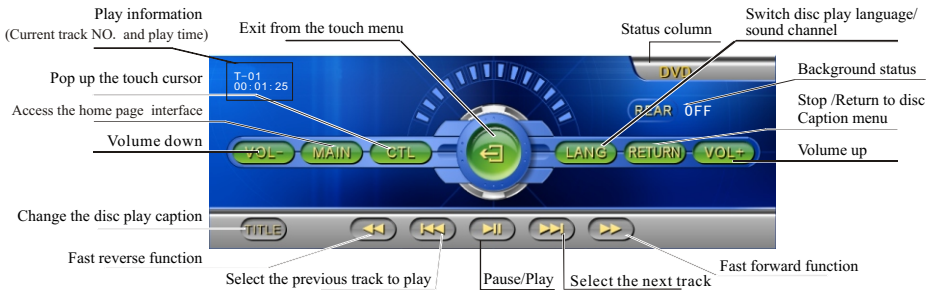
This unit plays discs in formats like DVD/VCD/CD/MP3/WMA/JPEG/MPEG4, etc. (Limited to diameter 12cm standard disc).

Entry/Exit DVD Function Operation

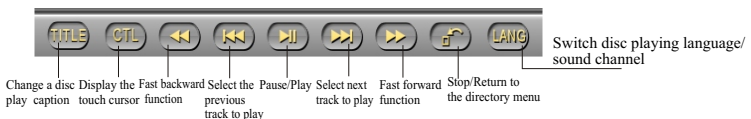
- ◆ Enter the home page. Touch  to enter the DVD function status;
- ◆ Press the  button on the panel or the  button remote control to enter DVD status play.
- ◆ Press other function button to exit DVD status.

Disc in/out (Eject)

- ◆ In the DVD status, when “Open” is displayed on the screen, with the printed face upward, insert the disc into the compartment. When the system detects the disc, the disc will be automatically in-taken, read and played.
- ◆ Press the panel “▲” button to eject the disc.












Button definition diagram of DVD touch menu (This picture (1) presents when clicking the upper part of the display)






Button definition Diagram of DVD touch menu (This picture (2) presents when clicking the upper part of the display)

Touch the character “CTL” to display the cursor, the definition of which is as follows:

- | | |
|--|---|
|  Return to the directory at the upper level |  Up selection |
|  Enter the next directory |  Down selection |
|  Zoom in /Zoom out the playing picture |  Confirm |
|  Return to the directory menu/Stop |  Exit touch cursor |
|  Pause/Play | |

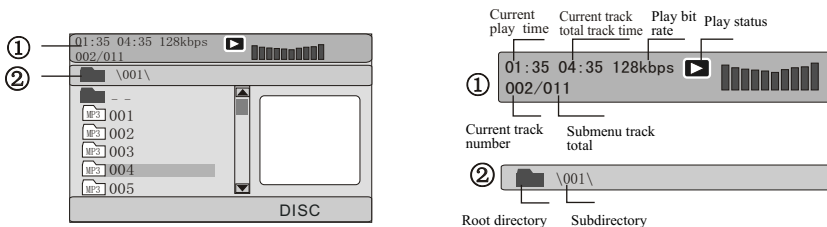
Play a DVD Disc

- ◆ If the disc has a directory menu, touch  to return to the disc directory menu; then touch  to display the touch cursor to operate the menu.
- ◆ While playing a disc with no directory menu, the system will play in sequence automatically.
- ◆ Press the “RPT” button on the remote controller to select sections, captions, and all to play in cycle.
- ◆ All operations, like select and play, X-times speed play, caption switch and switch the language to play, can be operated through the touch menu (See DVD touch menu for button definition diagram).
- ◆ Press the “BAND” button on the remote control for a longer time, to switch among P/N/AUTO.

Note: 1. To restore normal play when playing in X-time speed play, just touch  two times;
 2. The corresponding operation can be realized through remote control (See description of button).

Play Mp3 Disc





Put a MP3 disc into DVD player; after reading the disc , the player automatically enter the root directory menu of the folder.



Open the touch menu, and then touch the “CTL” button to display the touch cursor, then the directory menu can be operated (See the definition of cursor).

In the MP3 play status, use the touch menu to perform X-time speed play, the operation of playing a selected music is similar to DVD disc play operation.

Note : 1. While playing a MP3 file, touch the   cursor or press the left and right direction buttons on the remote control to do page down and page up browsing.

2.By touching cursor  , then selecting  - -, and then touching , you can also return to the menu at the upper level.

■ The timbre of a Mp3 file depends on the compressed / decompressed rates that the disc adopts.

■ While playing MP3, the play position cannot be memorized.

MPEG-4 Disc Play

◆ MPEG is the abbreviation of "Moving Pictures Experts Group", the Chinese denomination for "Dynamic image specialist group", and the MPEG4 is the fourth generation encoder standard for video audio as released by the specialist's group.

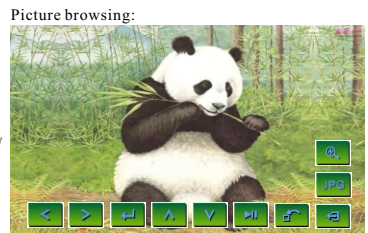
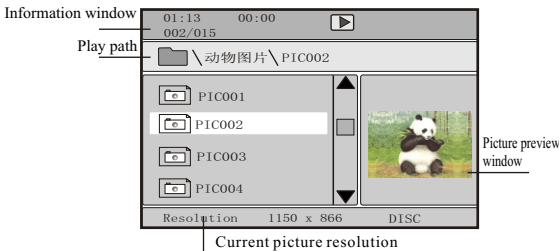
◆ The play operation of MPEG4 disc is basically same as the DVD disc, no longer rewording here.

◆ The MPEG4 disc available on the market adopts different kinds of engraving format, such as: XVID, the AVI DIVX, RM, etc. And it is a normal phenomena if part of discs not available to be played at the player because of the format reason.








◆ MPEG files are displayed on the player in the form of folder/file. Move the cursor to the small icon at the front through the direction button and press the play button for play. The detailed operation refer to the “MP3 disc playing”.

JPEG File Play


DVD status, put a JPEG disc into the player. After reading, the following main menu interface displays.




Open the touch menu, and then touch the “CTL” button to display the touch cursor, then the directory menu can be operated (See the definition of cursor).

- Note:** 1. In the menu status, touch the   cursor or press left and right direction buttons of the remote control to select a file by page up and page down.
2. While viewing a picture, touch the  cursor to return to the main menu status.
3. In the menu status, touch the   cursor to select  - - . Then touch  or return to the menu at the upper level.

Browse a Picture

After selecting a picture file, touch the  cursor to enter the picture-browsing interface.





Snatch a Picture

In the picture play status, select the touch menu; and select your favorite picture, then touch the characters  ; the picture is snatched and saved as the start-up picture for the DVD status.

Note:

- ◆ In the process of snatching a picture, no functions can be operated.
- ◆ Only by setting “Startup Picture” on the “Universal Setup Page” as the “Customer image” in the DVD setting menu can the snatched picture be used as the startup picture display.

Rotate a Picture

While browsing a picture, touch the cursor  or press the left direction button on the remote control, the current picture will rotate 90 degrees counter clockwise and the picture sequence maintain the same sequence; when touching the cursor  or press the right direction button on the remote control, the current picture will rotate 90 degrees clockwise and the pictures sequence maintain the same positions. Touch the  cursor or press the direction buttons on the remote control, the current picture will flip vertically, touch the  cursor or press remote direction buttons on the remote control, the current picture will flip horizontally, (this function is valid only when the current pictures play normally, and becomes invalid when the new picture is played).




Note: In the USB status, the way to browse, snatch and rotate a JPEG picture in the portable hard disc is the same as above.

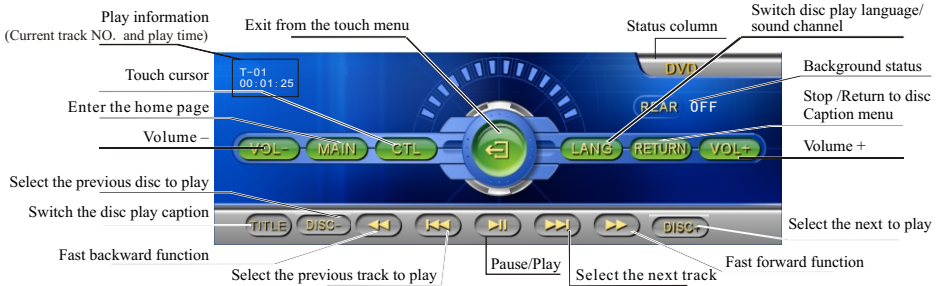
6. 6 CDC Function Operation (optional)

Description of this function item is valid when a 6-dsic DVD compact disc changer is connected.

Before use, notice that: when you intend to start the Bluetooth to answer calls, it would be a good idea to switch the host from CDC to other function status.

Entry/Exit CDC Function Operation

Enter the home page interface and touch the  to enter the CDC function status. Press the  button on the panel repeatedly or press the  button on the remote control, the system can enter CDC status to play. To exit CDC status, just press other function buttons.



Button definition Diagram of CDC touch menu (This picture (1) presents when clicking the upper part of the display)



Button definition Diagram of DVD touch menu (This picture (2) presents when clicking the upper part of the display)

Select a Disc to Play

The compact disc changer possesses automatic disc detection function. When detecting a disc, besides touching character to select a disc to play, you can also use digit buttons on the remote control to select the disc you want to play.


◆ Press the digit buttons 1~6 on the remote control to direct select the disc in the corresponding compartment to play.

Note: When there is no disc corresponding to the selected disc number or the disc in the disc compartment cannot play, the system will automatically skip to the next disc.

Play a Disc

◆ When the disc has a playing menu, return to the directory menu to select a track to perform the operation;

◆ When a disc has not any playing menu, the system will automatically play the tracks in sequence;

◆ While playing a MP3 disc, it is needed to touch  twice to return to the disc directory menu.

SMART NAVI		
ROOT	>	0
001	MP3 001	1
002	MP3 002	2
003	MP3 003	3
004	MP3 004	4
005	MP3 005	5
006	MP3 006	6

◆ For disc play operation, reference to “DVD function operation”^{**} While playing MP3 disc, the play position cannot be memorized.

Play Information

D-01	Current disc compartment number	T-01	Current track number	0:01:25	Play time
-------------	---------------------------------	-------------	----------------------	----------------	-----------

System Settings for the Compact Disc Changer

◆ Enter the system setup interface, touch **CD/DVD SET** to enter the DVD compact disc changer system setup menu.

Only in the compact disc changer disc loader eject status, can the “Preset” item selection be valid. The unit's compact disc changer “password” setting function is valid.

Replace the Disc of the Compact Disc Changer

1. Open the slide gate of the compact disc changer, press down the disc box eject button **▲**, the disc loader will automatically eject.
2. Fetch the disc box (if the disc box cannot be fetched, please consult a professionals).
3. Fetch the disc from the tray of the disc box.
4. Carefully hold the disc box, pay attention to the direction of the disc box, if the outlet of the Disc box is downwards, the disc may possibly fall down.
5. Pull out the disc tray from the disc changer, and place the side with marks of the disc upside into the tray.
6. Place the discs into the trays in sequence.
7. Open the disc door fully. Check the direction of the disc core and upside of machine, then carefully push the disc box till it generates “click” sound.
8. Then completely shut the disc door till hearing the “click” sound.

Note:

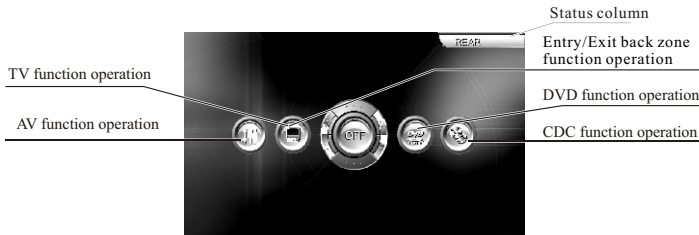
Make sure the disc door of the changer is tightly closed to prevent impurities and dirt from getting inside to cause malfunction.

Never place more than one disc into a tray, otherwise the machine may break down!

6.7 Back Zone Function

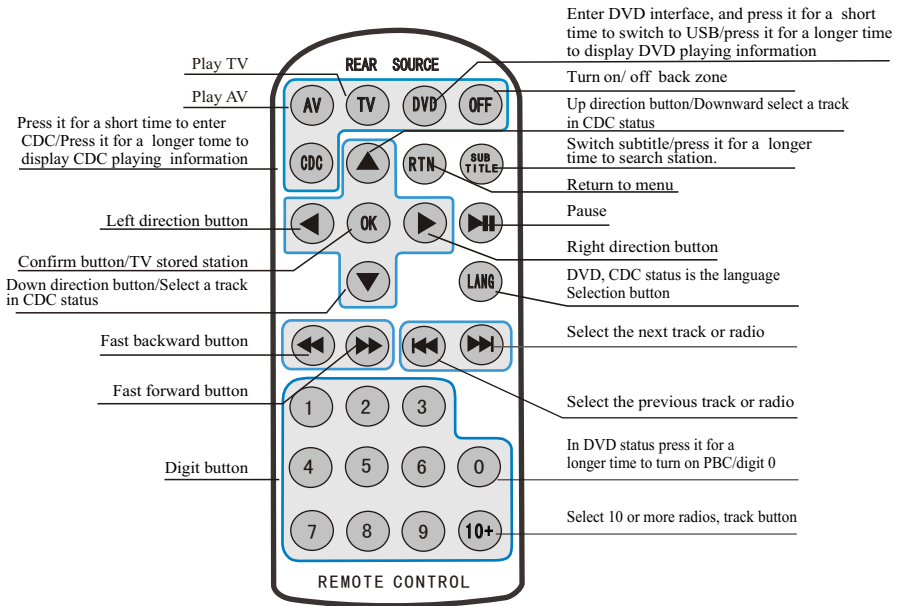
This system provides back zone function, i.e. the driver can appreciate music and listen to the radio in the front while the passengers watch DVD or TV through the screen installed in the rear row; they do not interfere with each other.

Open the touch menu in any play status, touch the **REAR** to access the background interface,



Detect Dual Zone Function

Back Zone Remote Control



Part of Function Buttons is as Follows:




- DVD**
 1. In other status, press it to switch to DVD status.
 2. In the DVD status, press it for a short time to switch to USB status, press it for a longer time to display playing information.
- ◀ ▶**
 1. Left, right direction buttons. Press these buttons to select left and right an item.
 2. In the CDC status, when playing a disc, press it to perform fast backward or fast forward function.
- ▲ ▼**
 1. Up, Down direction buttons, press it to select upward and downward.
 2. in the CDC status, when playing a disc. press it to select a track upward or downward.
- OK**
 1. Confirm button.
 2. DVD/CDC status, press it for a longer time to open the system setup menu.
- ★ Clicking on the “REAR” on the interface in the different status of the front zone will enter the above operation interface;

- ★ After opening the back zone function, you can operate the back zone through the back zone remote control.
- ★ The audio and video signal of back zone output from AV output wire , when turn off the back zone function, the signal which output from the AV output wire is fore zone audio and video signals.

6. 8 GPS Navigation Function Operation (Optional)

- ★ The description of function becomes valid when GPS navigation module is installed.

Enter/Exit Navigation System

- ◆ Enter the home page interface, touch  to enter GPS navigation function status;
- ◆ Press the “NAV” button on the panel or the  button on the remote control. The system enters GPS navigation status to play.
- ◆ Press  button or “NAV” button to exist from the navigation status and switch to other function status.
- ◆ After selecting the GPS navigation function, it will display GPS navigation information.
- ◆ In the navigation status, only the GPS navigation module related function operations could be performed on the display; when other function operations are needed, the system must exits the navigation status.

Function of Music Concurrent with Navigation

When switching from the music playing status to GPS navigation, in the case of no navigation voice prompt, it is possible to listen to the music in previous status before navigation, which will make your journey more easy and happy.

Navigation Volume Adjustment

In the navigation status when music output is available, the volume is adjusted to system volume; in the case of navigation voice prompt, the adjustment volume is changed to navigation volume (as shown in the right diagram).



Note : GPS can only be used as the fore zone music for navigation; it cannot be used for back zone AV output;
In GPS status, it cannot perform the bluetooth operation ; otherwise it may affect the operation of navigation function.

Navigation Function Operation

For detailed operation refer to the relevant navigation instructions.

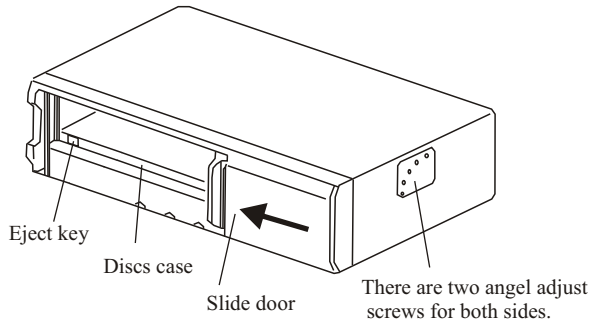
7. Accessories (optional)

Our products are in series, there will be slightly differences in functions and accessories according to the specific specifications, for example, GPS and backing camera. So for your own interests, please check all the accessories and packing list.

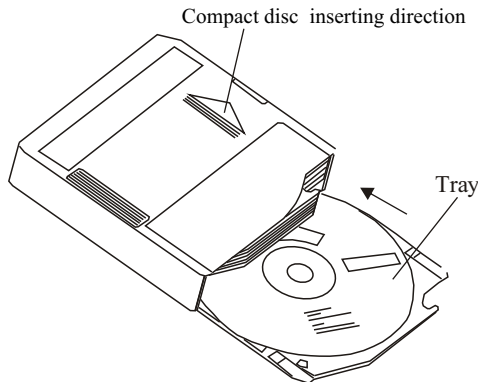
7. 1 DVD Changer Installation

7. 1. 1 Appearance

◇ DVD Changer



◇ Compact Disc and Tray



⚠ Note

1. Do not use a disc with 8 cm diameter. Tray should be placed in the right position before inserting compact disc.
2. Don't draw out the tray from the compact disc emphatically to avoid damaging it.

7. 1. 2 Installation Precaution

- ◆ Please use dedicated fittings and appointed accessories to install the machine safely. If other accessories are used, the machine may be damaged or can not be installed and fixed safely, and will cause accessories loosening and falling or make the machine failing to operate.
- ◆ Not put the machine to direct sunshine or place it near the heat producing appliances or other places with high temperature. Not install the machine on back undercarriage if temperature inside the car is too high.
- ◆ Not put the machine to direct sunshine or place it near the heat producing appliances or other places with high temperature. Not install the machine on back undercarriage if temperature inside the car is too high.
- ◆ Selecting wires and installing the machine need professional technology and experience.
- ◆ For safety, please let professional personnel to install it.
- ◆ To avoid cutting the connection wires by sharp metal edges, cables and wires must be kept away from movable parts (such as sliding track of the seat) and sharp metal edges.
- ◆ Before connection wire, please disassemble negative(－) wire of the battery, or it will case fire or get an electric shock.
- ◆ When connecting the electric system, pay attention to the factory component(ep. Car computer).
- ◆ Never touch lead of components when connecting the machine power.
- ◆ Check the ampere value of the fuse when connecting to the fuse box. Replacing fuse must also use fuse with appointed ampere value.
- ◆ Please keep the machine and wires away the car wire bunch more than 10cm, and keep wires of the accumulator away from other wires as far as possible to avoid the interference of external noise.
- ◆ Eliminate all paint, dust and lubricating grease before connecting the ground lead to the bare metal point in the undercarriage to make sure good contact surface.

Warning

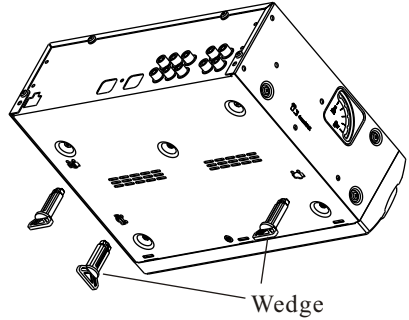
For avoiding dangers such as electric shock and fire :

- ◆ Please remove wires connected with the accumulator positive terminal before wiring.
- ◆ Never twist cables, peel cables or use cables with broken insulation layer.
- ◆ Never make the cable twisting with other objects. Please select and install wires and cables according to requirements of the manual to avoid disturbing driving.
- ◆ Pay attention to not damage the fuel line, fuel tank or electric wire when drilling.
- ◆ Do not use bolts or nuts in the brake or steering system to connect ground wire or install the machine, or else it may produce difficulty in controlling the car or cause fire.
- ◆ Never jam the vent or radiator board and make heat accumulates inside.
- ◆ Please pay attention to the load capacity when providing power to other facilities to avoid fire or electric shock caused by overstepping the permitted load of wires.

7. 1. 3 Installation Operation

(1) Take off the Wedge

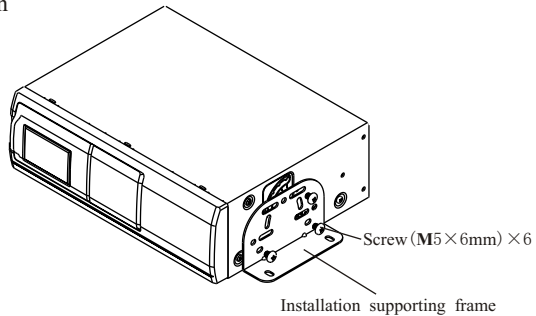
- There are three wedges on the button of the instrument to protect damage during transporting. Before install, please take off the wedges, please keep these wedges store and cover the holes of the wedges with dustproof paper.
- If the wedges have not been taken off, the DVD changer can not be pulled out.



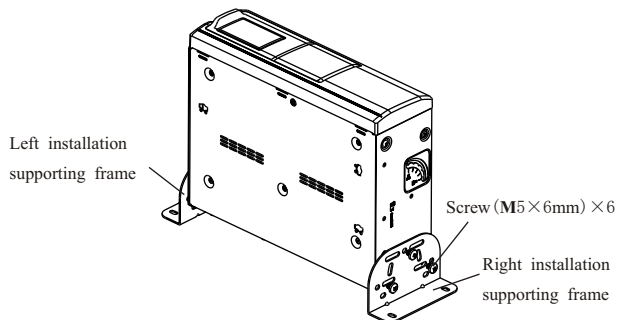
(2) Install L-form Supporting Frame

- Adjust the installation position and angle.
- Refer to 3 to change the spring position according to the installation angle.
- After installing L-form supporting frame, fix it by screw(M5×6).

Typical horizontal installation

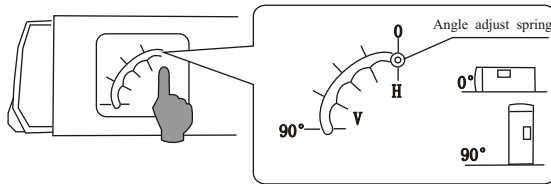


Typical vertical installation



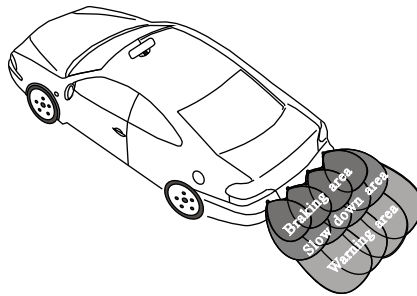
(3) Change the Spring Position

- ◆ The spring position must be changed according to the installation angle. If the shockproof spring is not in the right position or not in the same position, it will cause shockproof not to work.
- ◆ Put the shockproof spring vertically or horizontally.
- ◆ Factory setting position of spring is horizontal, change the angle according to the following operation.
 - Change the spring position by finger.
 - Label the position, please label after setting the spring position to avoid dust.



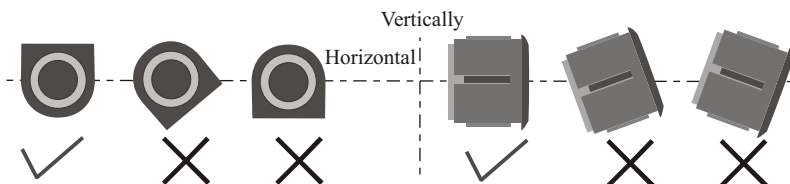
7.2 Car Backing Sensor Installation

7.2.1 Sensor's Effective Scope Diagram



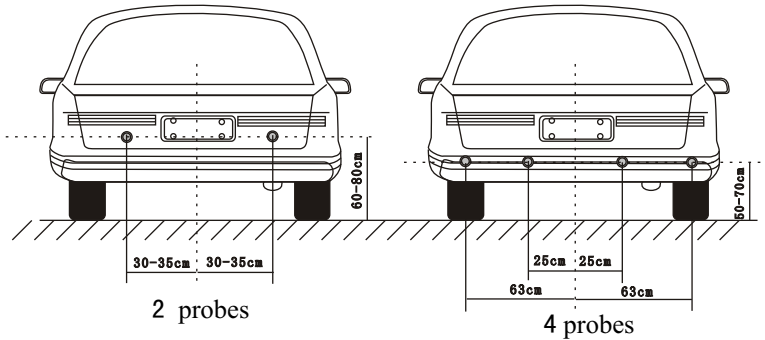
7.2.2 The Requirements and Method of Installation

Sensors should be inserted vertically into rear bumper as the arrow's direction. Any direction's inclination will affect the usage.



7.2.3 Sensor's Installation Position

According to the quantity installed, the positions can be as follows:



Note

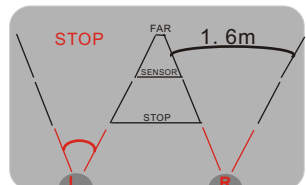
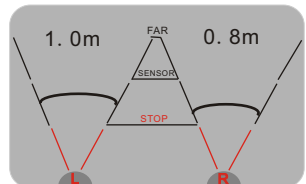
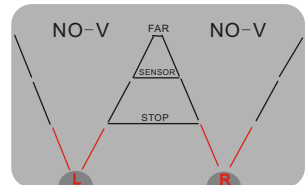
The final installation position can be adjusted slightly according to your car dimensions.

7.2.4 Backing Radar Usage

When backing car signal cable is connected properly, radar function will be started automatically when you backing your car.

7.2.5 Signpost Display

- ◆ When radar is not connected, monitor can only display yellow signpost and NO-V, Which as shown in right picture.
- ◆ When radar backing car module is connected left and right sensor and the distance between radar sensor and barrier is less than 1.2 but more than 0.3, monitor will display left and right radar signpost, and actual measure distance, which as shown in right picture.
- ◆ When radar and all sensors have been connected and the distance between radar sensor and barrier is less than 0.3 monitor will display red signpost and STOP.



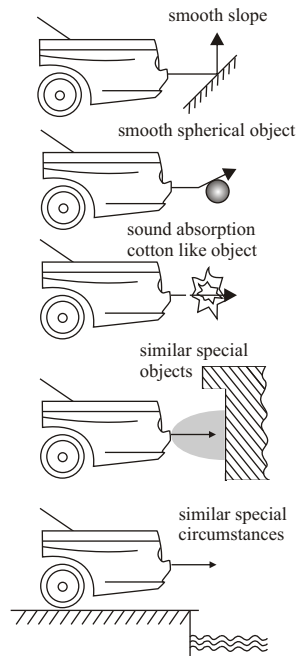
7. 2. 6 Display of Radar Detection

- ◆ When the distance between radar sensor and barrier is more than 2. 0m, there will be a "FAR" on screen bottom.
- ◆ When the distance is less than 2. 0m but more than 1.2m, the distance will be displayed on screen bottom and buzzer does not work. sensor is now working in warning area.
- ◆ When the distance is less than 1.2m but more than 0.3m, the distance is displayed on the screen bottom and buzzer beeps, the more closer, the more frequent buzzer beeps. Sensor is now working in slow down area.
- ◆ When the distance is less than 0.3m, it will display "STOP!" on screen bottom, buzzer gives out continuous sound, sensor is now working in stop area.

7. 2. 7 Precautions for Using Radar

Detection can be affected by:

- ◆ When in a smooth slope, signal can be reflected out.
- ◆ When in the near of a smooth spherical object, signal can be reflected out.
- ◆ When in the near of a sound absorption cotton like object, signal can be absorbed greatly.
- ◆ If meeting similar special objects, reflection of the detecting wave will be blocked.
- ◆ If meeting similar special circumstances, the detecting wave can not be detected.
- ◆ After installation, please first Confirm the function, then use.
- ◆ When there is a rainstorm, or the inductor is polluted or is damaged, the detecting results will be affected.

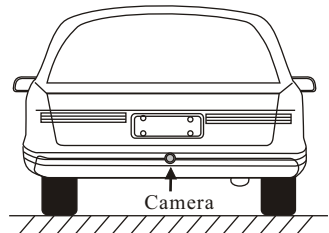


Note

The system is only designed to help you back your car, our company will not take any responsibilities for any accident. So, please pay attention in driving.

7. 3 Car Backing Camera Installation

- ◆ The standard installation position of the water-proof concave camera is as shown in right figure.
- ◆ The ordinary camera can be installed in any water-proof position needed.



8. Precautions

8.1 Precaution When Using the Product

- ◆ Please don't insert the coins or some metal things.
- ◆ Please don't try to repair. This product is composed of lots of precise electronic components.
- ◆ They will be broken or cracked if disassembled or refitted. If the failure happens, please turn off the power supply immediately and notify distributor.
- ◆ Please don't let the display screen incur the pollution like dampness, dust, steam, lampblack, etc.
- ◆ Please don't use thinner or other chemical to wipe the surface of the display screen. The dirt should be wiped off by soft cloth.
- ◆ Please don't let the display screen be disposed in insolation.
- ◆ If water or other substances enters into the product, please turn off the power supply immediately and contact the distributor.
- ◆ Please turn off the power supply first when you plan to clean the machine.

8.2 Precaution for Discs

- ◆ Discs which was dirt,dust,scratches and bending on surface will cause malfunction.
- ◆ Do not place a disc on sharp object, or the disc may be scratched.
- ◆ When not used, a disc should be taken out.
- ◆ The following places are not suitable to place a disc.
 - 1.Under direct sunshine.
 - 2.Dirty,dusty and damp places.
 - 3.Near auto heater.
 - 4.Seats or dashboard of a car.
- ◆ Do not use discs with a diameter less than 12cm (not including 12cm)or discs with irregular shapes such as heart or octangular shape,etc.
- ◆ Disc cleaning: Rub the disc surface by soft damp cloth; If the disc is quite dirty, use soft damp cloth with alcohol to rub gently. Please don't use dissolvent such as gasoline, dilution or common disc cleanser, since they may damage discs.

8.3 Precautions for Installation of AMP

- ◆ Check if the resistance of the speaker matcher with that of the AMP.
- ◆ Please use high-quality speaker wires, and the length of the wire must be exact.
- ◆ Connect jack must be inserted correspondingly.
- ◆ To reduce the static noise, adjust the volume to the 2/3 of the max volume, and adjust the volume of the AMP to the distortion when with AMP.
- ◆ While installing, the input and output wire must be away from the power wires and the wires of the car computer, or it will cause noise.

9. Trouble Shooting

Before sending this player for service as required, please carry out inspection or small adjustment according to possible causes of occurred problems stated on the list below. It is possible that problems will be solved and this player will go back to normal operation. If you have any doubt about the problems on the list or the problem can't be solved effectively by following the remedy as instructed, please contact with our company or professional service center.

Problem	Possible Cause	Remedy
LCD screen no any display	The power and ignition switch are not switched on	Set the switches to ON
	Connection wire is loose	Reconnecting
	Fuse is burnt out	Replace with new fuse
No sound	The system is in MUTE mode	Cancel the MUTE mode
	Connection wire of the speaker is loose	Reconnecting
	Speaker is damaged	Replace new speaker
Can not play pictures	The disc is not correctly placed	Place the disc on tray with the side with label facing up ward
	The disc is dirty or damaged	Try other discs
Sound skipping once in a while	The disc is dirty or damaged	Try other discs
The music is skipping when the car is shaking	The main unit is not correctly installed	Make sure the main unit is fixed solidly
	Installation screw of disc changer are tightened in wrong direction	Place angle adjusting screw with V or H marking in correct installation direction
Bluetooth handfree function is disabled	Not match the main unit correctly	Match again
Bluetooth handfree matching ineffectual or unsuccessful	There are compatible problem between the unit host and the Bluetooth module of the several type cell-phone with some brand	Please insert the key of car again to turn on power and match again

⚠ Note

This player is a very complicated mechanism. Do not dismantle it and try to fix it by yourself, lest the mechanism may be damaged!

10、 Packing List

Sequence Number	Name	Quantity	Note
1	host unit	1 set	
2	Remote control	2 piece	
3	power cord	2 piece	
4	Host iron card casing (includ bolt)	1 copy	
5	Host iron casing	1 merely	
6	Decorative casing of host	1 merely	
7	SD card	1 set	Optional
8	Handing write pen	1 branch	Optional
9	Manual	1 share	
10	Split board	2 entries	
11	GPS external antenna	1 piece	Optional
12	AV input wire	1 piece	
13	AV output wire	1 piece	
14	5.1AV output wire	1 piece	
15	CDC changer connecting wires	1 piece	Optional
16	TV box connecting wires	1 piece	Optional
17	Sensor/camera transferred wires	1 piece	Optional
18	USB transferred wires	1 piece	

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.