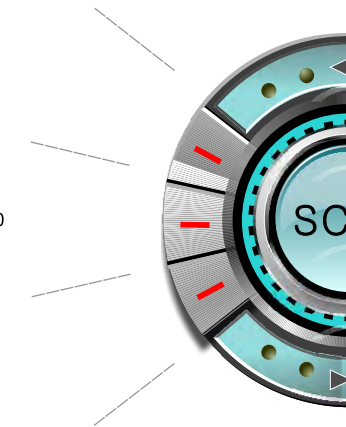# USER'S MANUAL

Car Audio & Video Entertainment System
Intelligent Series

No. C00

SC

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

Contents

> **Note**
> For use the product safely and correctly, please read this manual carefully.
> Because of technology improvement, the specifications is subject to change
> without further notice!

1、Basic Operation

1.1 Turn on/off the Host Unit

◆ Turn on

If you pull out the car key to turn off the host unit last time, insert the key again, and the host unit will be turn on automatically.
If you press the power button on the panel to turn off the host unit last time, press the power button slightly again to turn on the host unit .

◆ Turn off

Pull out the car key, and the system will recognize the information to turn off the host unit.
Press and hold the power button for more than 2s, and the system will turn off automatically（Subject to the actual model）.

1. 2 Enter to Home Page Menu

During start-up state, touch the screen slightly, and "Home page" icon will be displayed on the upper left corner of the screen. Press the "Home page" icon slightly again to enter the main page menu.

Touch the icon of each function to enter the corresponding function operation.

Note   If touch the above-mentioned icon slight, and "Device not connected" will be indicated, which represents no connection between the device and the host unit at present.
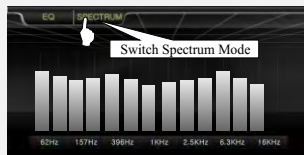
1. 3   Spectrum Display

While the spectrum display is enabled, screen will automatically switch to spectrum mode if there is no operation within 10 seconds when playing in radio, DVD or disc changer status, or disc without video.

At video playing status, open the home page, the screen will switch to spectrum mode after 10s.

Touch "Spectrum mode" slightly to switch among different spectrum display modes (as figure shows).

Column Spectrum

Switch Spectrum Mode

Panel Board Spectrum

Switch Sound Field Mode

Rectangle Spectrum

DVD T 1 00:12

Play Information

1. 4   Sound Field Mode

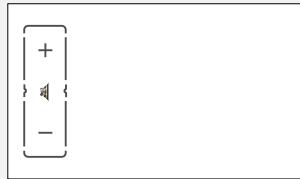During spectrum mode interface, touch [EQ] to switch among different sound field modes.

- CUSTOM
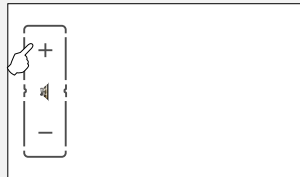- POP
- ROCK
- CLASSIC
- JAZZ
- FLAT

1. 5   Volume Adjustment

Press the volume adjustment button on the panel to adjust the volume.

Touch the left edge of the screen slight, and " ◄⦙ ▮ ▬▬▬▬▬ 04 " icon will pop up.
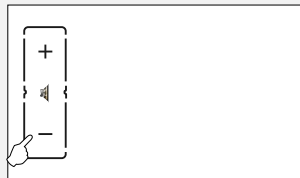
Click the left part of the screen,
and the image as figure shows will
appear.

Click "+" icon to increase the volume.

Click "−" icon to decrease the volume.

Press the Mute button on the panel to execute mute function, and " 🔇 " icon will
indicate the mute state.

2、 Function Operation

2. 1 RADIO Function Operation

2. 11   Enter/Exit

Touch the screen slightly to open the touch menu.

Touch the " Home page " icon slightly to enter home page interface, and touch   slightly to enter radio interface.

Touch the MAIN icon slightly to enter home page interface and then touch other function icon to exit from radio.

2. 12   Automatic Search

Touch "SCAN" icon for more than 2S to enter automatic search status, and save the station automatically during automatic search.
Touch the "SCAN" icon again to stop automatic search.

FM: 87.50MHz˜108.00MHz
AM: 522KHz˜1620KHz

18 radio stations can be stored for FM (6 stations for each of FM1, FM2 and FM3), 12 stations can be stored for AM1 and AM2.

The station will be store which signal is the best.Then weak will be store.

2. 13 SCAN/SEEK

Touch "SCAN" icon to enable/disable scan function.

Touch [◄◄] / [►►] icon to seek previous or next available stations.

To program the station, press & hold preset station button.

2. 14 Band Selection

Touch "Band" icon slightly to switch among FM1, FM2, FM3 AM1, and AM2.

2. 15 Play a Selected Radio

Select the band fitst,and then press and hold one of the preset bars to set the station.

selected station will be highlighted.

For example: The figure on the right represents FM1, M6 station, and frequency of 108.00MHz.

2. 2 DVD Function Operation

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

2. 21   Enter╱Exit

Touch the screen slightly to open the touch menu.

Touch the MAIN icon slightly to enter home page interface, and touch DVD slightly to enter DVD interface.

Touch "Home page" icon slightly to enter home page, and then touch other function to exit from DVD function.

If a portable hard disc or multi-media SD card is connected, touch the "DVD" icon slightly again to enter USB/SD card playing status.

2. 22   Disc in/out

- In the DVD status, when "Open the compartment" 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.

- If there is a disc in the DVD ROM, press "Eject" button on the panel to eject the disc.

- If the disc isn't removed within 15s, the system will take in the disc again and play.

2. 23　Digit Keyboard

Touch the icon slightly(as the figure on the right shows ）on the screen to pop out the digit eyboard. Click the digit button on the digit key board to select track directly, and then press to confirm the playing, or wait for a little time unit the song is playedautomatically. Click to hide digit keyboard.
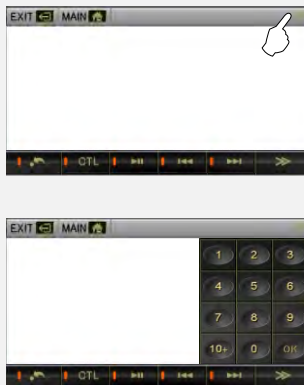
2. 24　Description of Touch the Menu Function

	Menu column of the previous page		Menu column of the next page		Previous track
	Next track		× FR		× FF
	Pop up cursor		Play/pause		Repeat
	Background		Zoom in/out		
	Stop/Back to title menu/PBC switch (disc support is required)				

※ When fast forward play disc, press the fast backward button to switch to playing normally. On the contrary, when fast backward play disc, press the fast forward button to switch to playing normally.

LANG   Switch DVD language (disc support is required); switch VCD sound.

CAP   Switch DVD caption (disc support is required)

DVD SET   Turn on/off DVD setting menu

JPEG   Image can be captured when playing JPEG disc

Select leftwards/return to
upper menu

Select rightwards/enter
lower menu

Select upwards

Select downwards

Confirm

Switch the display position
of the cursor

Touch   to enter lower menu

Touch EXIT icon slight to exit from touch menu.

Touch MAIN icon slight to enter home page menu.

DVD Disc Playing

If a DVD inside the host unit, and the disc doesn't have a play menu, the system will automatically read the disc and play directly; if the disc has a play menu,touch the screen slightly to enter the touch menu, and then touch ▮ CTL▪ to pop up the cursor.

● Normal

Select song
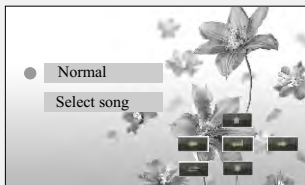
Click the direction cursor 　　　　　　　　　to select a menu item, and then click 　　 to confirm the play.

※ 　　　Switch the display position of the cursor

During playing a disc, click the upper right part of the screen to display the play information.(as right picture show)

DVD T-01 02:16 play

● My HEART WILL GO ON

Near, far, wherever you are, I believe that the heart does go on.
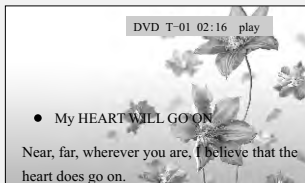
DVD	T-01	02:16	play
	Current track number	Play time	Play status

Click to return to main menu of the disc. (Disc support is required)

Note   During playing, operate the touch menu to perform various play
controls. For function definitions of touch menu, please refer to
the 4th item of DVD function operation " Functions of Touch Menu ".

VCD Disc Playing

Put a VCD into the DVD player, and the disc will be read and automatically played in normal order.
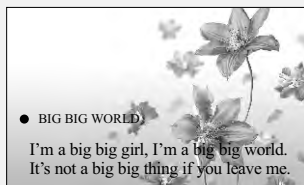
During play a disc, click [icon] to return to disk PBC menu contents. (Disc support be required)

Click the direction cursor [icons] to select a menu item, and then click [icon] to confirm the play.(Disc support is required)

If the disc supports function which you can select digit directly to play selected song, open the digit keyboard to select song to play directly.

📖 Note   During playing, operate the touch menu to perform various play controls. For function definitions of touch menu, please refer to the 4th item of DVD function operation " Functions of Touch Menu ".

CD Disc Playing

Put a CD into the DVD player, and the disc will be read and automatically played in normal order.
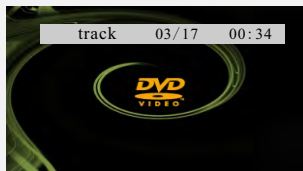
track	03 / 17	00 : 34
	Current track / Track total	Play time
	number	

During playing a disc, the system will automatically switch to spectrum status if there is no operation within 10s.

Note   During playing, operate the touch menu to perform various play controls. For function definitions of touch menu, please refer to the 4th item of DVD function operation " Functions of Touch Menu ".

Mp3 Disc Playing

Put MP3 disc into the DVD player, and the disc will read, and the system will play the first file automatically.

①
```
00:15  03:42      128kbps  ▶
001/018
```
```
MP3 001
MP3 002
MP3 003
MP3 004
MP3 005
MP3 006
```
DISC
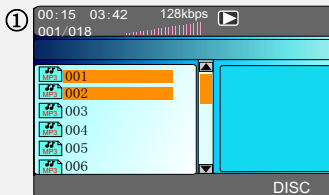
Disc play information state name

Current play time Current track total track time Play bit rate Play status

①
```
01:35  04:35  128kbps  ▶
002/018
```
Current track number Track total
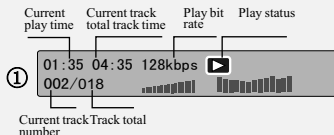
During playing mode , click
at the first time ,it can back to file menu.
(Disc support be required)

```
00:15  03:42      128kbps  ▶
001/018
📁  \001\
📁  . .
📁  001
📁  002
📁  003
📁  004
📁  005
```
DISC
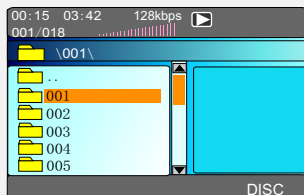
Touch   cursor to select track. and then click
to confirm the play.(Disc support be required)

Click   again ,come back to play the first track in the first file.

Note   During playing, operate the touch menu to perform various play controls. For function definitions of touch menu, please refer to the 4th item of DVD function operation " Functions of Touch Menu ".

MPEG4 Disc Playing

- 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".

Contents interface:
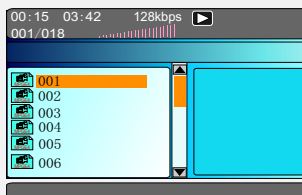
The other play interface is the same as the one of DVD play.

JPEG Disc Playing

Play Status：

- Put JPGE disc into the DVD player, and the disc will read, and the system will play the first file automatically.
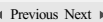
Browse interface：

- During playing，click ![icon] at once to return to image browse interface.

◄ Previous Next ►
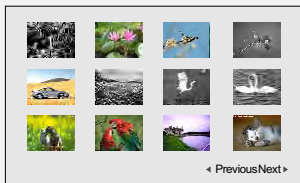
- Click ![icons] cursor to select a image and click ![icon] cursor to play.

  Click ◄ Previous Next ► to page up/down to browse images.

- Click ![icon] one more time , it can return to the catalogue menu interface.

Contents menu interface：

00：15　03：42　　Kbps
001/018　..................
DSCN0001
DSCN0002
DSCN0003
DSCN0004
DSCN0005
Image preview window
Resolution　1150X866　　　　DISC
Current image resolution
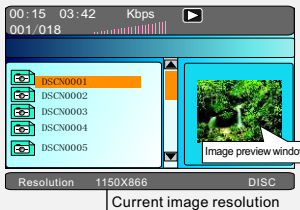
- While in subdirectory menu status, touch ▲ ◄ ► ► cursor to select the played content, and touch ► cursor to enter play interface.

- While in browse interface, click direction button can rotate the picture.

- Press ◄ to rotate picture by 90°anticlockwise;

- Press ► to rotate picture by 90°clockwise

- For rotating and turning over an image, the image playing order doesn't change, and this function is disabled as you play another image.

- While in browse interface, click ▶ JPEG to obtain current image and use it as the start-up image for DVD state custom mode.

Note
- 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.
- When you capture an image again, the previously captured image will be replaced automatically.

SD Card Playing

If the player is equipped with a multi-media SD card port, this operation is available.

❶ Insert /Take out SD Card

Open the monitor and insert the SD card, with media information into the SD card slot directly until the card is locked.

For taking out the SD card, exit from SD card playing status first, and then press the SD card slightly to cancel the locking status of the SD card and eject the card automatically.

❷ Enter to SD Card Playing Mode

While in DVD function status, touch the "Home page" icon to enter home page menu, and then touch ▦ to enter SD card playing mode.

```
00:15  03:42    128kbps  ▣
001/018    ...........||||||||
        001
        002
        003
        004
        005
        006
                        USB
```
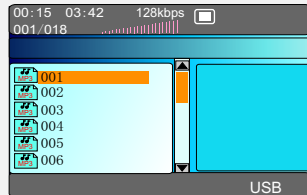
After the SD card is read, the operation is the same as the one for playing MP3 disc. For detailed information, please refer to "play Mp3 disc".

Play Portable Hard Disc

If the player is equipped with a USB port, this operation is available.

❶ **Insert / Take out Portable Hard Disc**

If the player is equipped with a USB port, portable hard disc can be connected through USB wire or directly inserting into the USB port.

For taking out portable hard disc, please exit from portable hard disc play image first and then taking out the disc.

❷ **Enter Portable Hard Disc Playing Mode**

While in DVD function status touch the "Home page" icon to enter home page menu, and then touch [DVD] to enter portable hard disc playing mode.
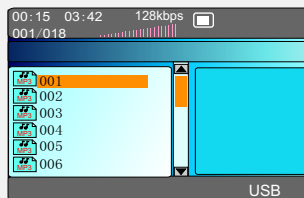
After the portable hard disc is read, the operation is the same as the one for playing MP3 disc. For detailed information, please refer to "MP3 disc play".

※ As standards of manufacturers which produce portable hard disc with MP3 player are different, it may cause that some portable hard disccan not be played.
The USB connecting wire is better to be the shortest when used to connect, or else it ay cause abnormal operation of the portable hard disc.

Note   If the main machine is connected to both multi-media SD card and USB flash disk simultaneously while in DVD function state, touch "DVD" once to access SD card play, touch it twice to access USB flash disk play, and touch it three times to access disk play.

DVD System Setup

❶ Turn on/off

Enter to DVD state, open the touch menu.
Gently touch "DVD to set" .

🔲	General Setup Page	💿	Video Setup Page
🎧	Audio Setup Page	🎬	Preference Setup Page
🔒	Password Setup Page	✖	Exit from the Setup Menu

Click **DVD SET** again to exit from the setting menu.

❷ Operation

Touch the CTL button to pop up the screen touch cursor. Operate the setting menu by the direction cursor.
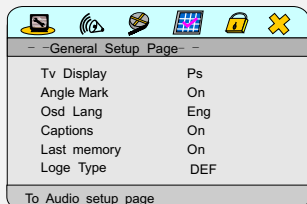
(General setup page interface)

Functions of Cursor

⬅	Select leftwards/return to upper menu	➡	Select rightwards/enter lower menu
⬆	Select upwards	⬇	Select downwards
↵	Confirm	⇄	Switch the display position of the cursor

Touch ↵ ➡ to enter lower menu

Click [icon] [icon] to move the yellow cursor to select the setting page.

General Setup Page

Tv Display	Ps
Angle Mark	On
Osd Lang	Eng
Captions	On
Last memory	On
Loge Type	DEF

To General setup page

Audio Setup Page

Speaker Setup
Spdif Setup
Dolby Digital Setup
Channel Delay
Equalizer
3d Processing
Hdcd

To Audio setup page
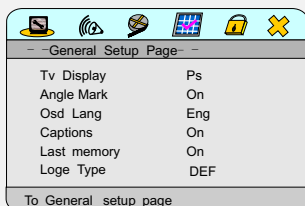
After selecting the setting page, click [icon] to enter setting page, and the cursor will be at the first item.

General Setup Page

Tv Display	Ps	Normal/Ps
Angle Mark	On	Normal/LB
Osd Lang	Eng	Wide
Captions	On	
Last memory	On	
Loge Type	DEF	

To General setup page

Click [icon] [icon] to move the cursor to select a menu item.

General Setup Page

Tv Display
Angle Mark
Osd Lang
Captions
Last memory
Loge Type

To General setup page

General Setup Page

Tv Display
Angle Mark
Osd Lang
Captions
Last memory
Loge Type

To General setup page
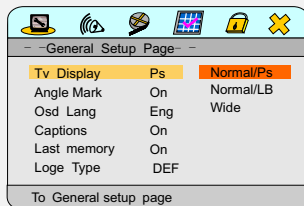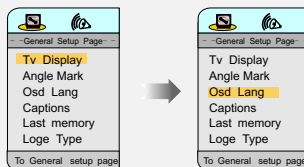
Click ▢ ▢ to move the cursor to select a menu item and then click ▢ to confirm (brown cursor represents the item is selected).

Click ▢ to return to the upper directory .

```
┌─────────────────────────────────────┐
│  ⬛  (⬡  ⬤        ▦   🔒  ✖        │
│  ─ ─General  Setup  Page─ ─          │
│  Tv  Display      Ps      Normal/Ps  │
│  Angle Mark       On      Normal/LB  │
│  Osd  Lang        Eng     Wide       │
│  Captions         On                 │
│  Last  memory     On                 │
│  Loge  Type       DEF                │
│  To  General   setup  page           │
└─────────────────────────────────────┘
```
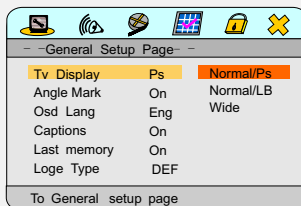
Move the yellow cursor to ✖ and then click ▢ to exit.

⬛ General Setup Page

● TV Display

  Normal/Ps Images will be scanned and output in the format of "Panorama"

  Wide Images will be output in the format of "Wide screen (16:9)"

  Normal/LB Images will be output in the format of "Message box"

● Angle Mark

  On/Off It display the angle mark

● Osd Lang

  English/Chinese/French/Swedish/Italian/Russian Select the DVD system interface language of the player

● Captions

  On/Off Select display or hidden the subtitle of the disc (needing the disc backing)

● Last Memory

  On/Off During DVD playing, reset the player 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 user's can turn on or turn off this function by on or off button.

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- Loge Type

  Default   Display the default logo type

  Captured   The Logo type is the grabbing picture of the consumer.

Audio Setup Page

◆ Speaker Setup Page

- DOWNMIX

  LT/RT   Dolby stereo, distributing the sound from the middle and the surround channels
             to the left and right stereo.

  Stereo   During disc is playing, the audio output left and right channel signal.

  V Surr   The left and right channels create surround sound effect

  5. 1ch   The audio output 5.1 channel audio signal
             (only support 5.1ch DVD disc)

- Speaker

      Front speaker   Center speaker   Rear speaker   Subwoofer

  "LRG" means all band speaker   "SML" means the medium and tweeter speaker

  The consumer may adjust depending on the practical speaker configuration.

- Test Tone

  On/Off   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, otherwise, the connection and setup is wrong.

- Dialog

  00-20   Adjust the volume of the DVD disc dialogue . (It is unavailable
             to this model).

- Post DRC

  On/Off/Auto   It is to set up the post DRC ratio of sound. It is suggested that the post DRC is set up to "Auto" mode.

  📖 Note   Open 5.1-channel output, enter "Test tone" mode which shall be executed in "No disc" status, and then set "DOWNMIX mode" as "5.1ch".

◆ SPDIF Setup Page

- SPDIF Setup

  Output/Off   Meaning that the output signal is an analog signal

  SPIDF/RAW   Meaning that the ture form source code flow of the DVD disc is delivered directly through digital port

  SPIDF/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 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.)

  96K   It is available to deliver the LPCM digital audio in true form output when selecting LPCM96 K.

  📖 Note   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

● 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 up/ down cursor. Touch Left/right cursor to
adjust the sound delay distance of the sound chosen.

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

◆ Equalizer Page

● 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/Off   This setup is to set up whether or not enhancement of bass output

● Super Bass

On/Off   This setup is to set up whether or not enhancement of super output

● Treble Boost

On/Off   This setup is to set up whether or not enhancement of treble boost

◆   3D Processing Page

● PRO LOGIC II

On/Off/Auto   Dolby directional logic setup, the setup is only effectively when "DOWNMIX" setup in "Speaker setup" is setup to "OFF" .

● Reverb Mode

Off/Concert / Living/Room/Hall/bathroom/ Cave/Arena / Church

The setup is set up the reverb mode to obtain different reverberatory effects.

◆   Hdcd Setup Page

● Digital Filter

Off/1X/2X   Digital wave filter: This option is used to select the sampling frequency for the digital wave filter. The more the sampling frequency is, the clearer and more perfect the tone quality is. The set-up at delivery from the factory is 1X. Under such set-up, the reading of hdcd displays cd. To play hdcd, please set it to the default value or 2X.

Video Setup Page

● Quality

Harpness/Brightness/Contrast/Gamma/ Hue/Saturation/Luma Delay

● Logo

During VCD or DVD disc is playing, select it and confirm can grab the current image and set it to logo type.
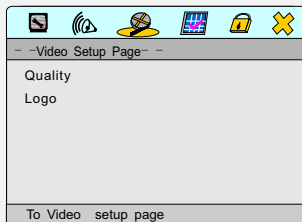
◆   Quality Setup Page

● Sharpness

— —Video Setup Page— —					
Quality					
Logo					
To Video setup page					

High/Medium/Low   To observe a soft picture, choose generally "low", and if the picture is darker, you may select "High"

- Brightness

  –20~20   Adjust the brightness of the picture

- Contrast

  –16~16   Adjust the contrast of the picture

- GAMMA

  High/Medium Low/None   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.

- Hue   - Saturation

  –9~9   Adjust the hue of the picture   –9~9   Adjust the saturation of the picture

- Luma Delay

  0T/1T   Set up the lume 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.

– –Preference Setup Page– –		
Tv Type	Ntsc	
PBC	Off	PAL
Audio	Chi	Multi
Subtitle	Chi	NTSC
Disc Menu	Chi	
Parental		
Country Region	Chn	
Default		
To Preference setup Page		

- TV Type

  PAL/AUTO/NTSC   Setup the type of the video system （This system is recommended to set up NTSC mode）.

- PBC

  On/Off   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.

- Audio   English/Chinese/French/Swedish/Italian/Russian/German/Spaish/Portuguese/Others
  It select the language of the sound when disc is playing(needing disc backing)
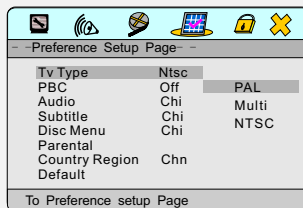
- Subtitle   English/Chinese/French/Swedish/Italian/Russian/German/Spaish/Portuguese/Others
  It select the language of the subtitle on the disc(needing disc backing)

- Disc Menu

  English/Chinese/French/Swedish/Italian/Russian/German/Spaish/Portuguese/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

  On/Off

  When the setting is enabled, the password setting is enabled. For watching the disk with password lock or changing the age class setting, the system requires you to enter password first.

▨	⒧	✇	▦	🔓	✖

– –Password Setup Page– –

Password Setup	On	On
Password	Off	

To Password Setup Page
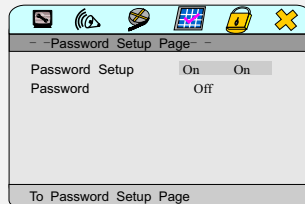
When the setting is disabled, the password setting is disabled. If the password has been set, enter the original password to cancel the original password first to cancel the password setting.

As the figure shows, use remote number key or touch the number pad of the touch screen to enter correct password and confirm.

Password   ****
        OK

- Password

    Select sub-item "Change" in password options and press OK to access password change page. As the figure below shows, enter the n e w a n d o l d p a s s w o r d s respectively, and press OK key to end.

Old Password   ****
New Password
Confirm PWD
        OK

- The original password of the system is "1389"

Exit from the Setup Menu

Press [   ] to confirm and exit from the setting menu.

2. 3 Bluetooth Handfree

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 telephone dial up and call answering Phonebook, bluetooth music play functions.

※ Note: As the bluetooth modules and software of cell-phones with different brands are different, some functions may be different or even not compatible with other systems in actual use. Please forgive us for this.

2. 31 Enter/Exit

Touch the screen slightly to open the touch menu.

Touch the " Home page " icon slightly to access home page interface, and touch slightly to enter bluetooth main interface.

Touch "Exit" icon slightly to exit from bluetooth interface.
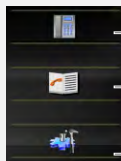
Enter to bluetooth main interface

Open phonebook function

Enter to bluetooth setting interface/Bluetooth music play interface

2. 32 Match/Connect

For using the Bluetooth handsfree function, establish the connection first. Match the main machine with the Bluetooth cell phone and touch icon：

Bluetooth main interface
(as figure shows).

- Click [PAIRING] ,open the bluetooth function of your cell phone and enable the bluetooth device searching function, and "Matching" will be displayed on the screen. After the connection succeeded, the cell phones will display the device name (Ample 1). While connecting, the cell phone indicates the input device connection password (1234). After matching, "Connected" will be displayed on the screen, the matched cell phone model will be displayed on the screen automatically, and [Bluetooth icon] icon will be displayed on the upper right part of the screen.
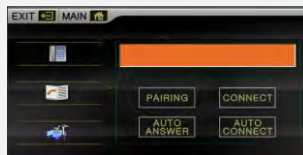
- [CONNECT]   For manual connection, if matching succeeds, click this button to reestablish the connection after the main machine or the connection is off.

- [AUTO CONNECT]   For automatic connection, if matching succeeds, the connection can be reestablished automatically after the main machine is off; and the connection can be reestablished automatically after several seconds if the connection is off.

- [AUTO ANSWER]   Automatically answer means at connection mode , after hints of incoming call ring three times ,it can automatically answer the phone.

2. 33   Dial Number

After match successfully

You can dial number through mobile phone or enter telephone number on the number button from screen.

Number
dial number
Eliminate
Hand up
Switch between amplifier and mobile phone when answer the phone.

123********

Press number button to enter number,
Number line show input number，if
input wrong number，you can click
to delete one by one.
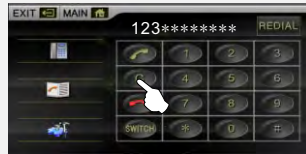
After enter telephone number, click
to dial number.

Touch to hand up

During communication, Click
can switch communicatio between
car amplifier and mobile phone.
(For the first time to switch voice,
press the switch button twice to
realize; for the second time, press
the switch button once).
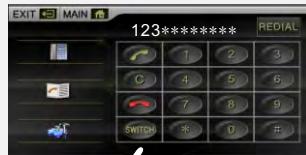
Click ![REDIAL] will show incoming number last time, click ![phone icon] can dial the number you have answered last time.

2. 34 Answer the Phone

When there is outside calling, In any mode, the system will automatically switch Bluetooth hand-free interface, and playing music for original mode will turn to incoming ring.

Press interface ![phone icon] or ![phone icon] to choose answer or refuse. If "answer " is set up for : "automatically answer"，fter ring for three times，it will automatically connect telephone，incoming number will be displayed in the number line.

During communication, Click ![SWITCH] can switch communication between car amplifier and mobile phone.

2. 35 Phonebook

Click ![phonebook icon] character

Phonebook image appears. The phonebook can used to record incoming numbers, received numbers, and missed numbers.

（It will show 5 telephone number for each style）

2. 36　Bluetooth Music Play

Match and establish the connection

If the cell phone has Bluetooth music playing function, the audio of the cell phone can be transferred to the vehicle speaker system to playing the music stored in the cell phone.
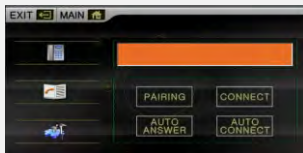
Access to Bluetooth music play interface

After matching succeeds, open the stereo connection on the cell phone and open the cell phone music playing function, and the cell phone's audio will be transferred to the vehicle speaker system.

Play/pause   Stop

Play next track   Play previous track

Click the setting icon to exit or close the cell phone music playing function to exit from bluetooth music play.

- Only support bluetooth mobile phone has "stereo player" or "telecontrol" function , which can operate music playing interface.

- Music of the cell phone can be played only while in the bluetooth music play interface.

- If the connection is not established, the previous music state will be kept before bluetooth music play interface.

- While in music playing state, the screen will automatically switch to spectrum interface if there is no touch operation within several seconds.

- While in bluetooth connection state, click icon on the upper right corner in non-Bluetooth interface to access to bluetooth interface directly.

2. 4 TV Function Operation

If the main machine has a built-in TV module or an external TV tuner module, this operation is available (Note: actual product may vary).

2. 41 Enter/Exit

Touch the screen slightly to open the touch menu.

Touch the "Home page" slightly icon to enter home page interface, and touch [ ] slightly to enter simulated TV function playing state:

Simulated TV touch menu
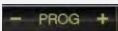
If head unit connect TV model as well as has digital TV function ,touch "main " to enter into main interface , click [ ] again ,it will enter into digital TV playing mode.

Digital TV touch menu

After touching the "Home page" icon to enter home page interface, touch other function icon to exit from TV function.

2. 42 Touch Menu

Definitions of simulated TV touch menu

[– PROG +] Click [–] / [+] to select the previous/next channel.

[SEEK] Automatic channel search and automatic memory

[MEM] Fine tune a channel to its best state and click to store the channel.

Click ☐ ☐ to fine tune a channel.

Enter to background operation state

Definitions of Digital TV Touch Menu

Click ☐ / ☐ to select the previous/next channel

Automatic channel search and automatic memory

Open the TV main menu

Return to upper menu

Touch it to pops up the cursor, and operate the digital TV menu by cursor.

Enter to background operation state

Click ☐ to open the digit keyboard, click digit button to select a channel directly and click ☐ to confirm the play.

Click ☐ to hide the digit keyboard.

Click "10+" on the digit keyboard, and click the corresponding digit buttons to select a channel of which channel number is more than 10.

Note   For detailed TV function information, please refer to the operating instructions of the TV module.

2. 5 iPod Function Operation

When the host unit is connected with an external iPod player, the audio and video files stored in iPod player can be played by the host unit.

2. 51 Enter/Exit

Touch the screen slightly to open the touch menu.

Touch the " Home page "icon slightly to enter home page interface,
and touch [iPod] slightly to enter ipod main interface.

NOW PLAY 002/017
******
****
02:17
PLAY

Touch the " Home page " icon to enter to the home page interface，and touch other function icon to exit.

Note   If the iPod player is connected when the host unit is on, the iPod player can be detected after restarting the host unit.

2. 52 Description of Touch Button

NUMERIC KEYPAD   Pop up/hide the number pad

REPEAT   Repeat the current played song

SCAN   Scan and play songs in the current folder. The next song will be played after the current song has been finished for 10 seconds.

RANDOM   Play songs in the current folder at random.

return to upper menu   Up page

Previous track   Next track

Play/pause   Down page

Display playing information

2. 53　Digit Keyboard

Enter the song number by the digit keyboard to play the song.

Click the digit button to select, and then click OK to confirm, and the selected song will be played.

Press 10+ will invalid , if you choose track above 10 ,you can press two digits directly to play.

MAIN

1	2	3	010. ****
4	5	6	011. one I love
7	8	9	012. ***
10+	0	OK	013. baby
			014. ******

2. 54　Main Menu

Click MENU to return to the upper menu, and enter to iPod main menu finally:

MAIN

0. NO iPod
1. Playlists
2. Artists
3. Albums
4. Genres
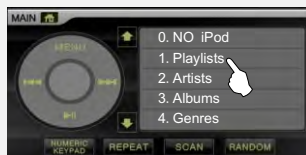
The system classifies files according to the above-mentioned 6 types and stores files in the corresponding folders. Click to open a folder and play the first file.

Directory name

0. NO iPod
1. Playlists · · · · · · · · · · Playlists
2. Artists · · · · · · · · · · · Artists
3. Albums · · · · · · · · · · Albums
4. Genres · · · · · · · · · · Genres
5. All Music · · · · · · · · · All Music
6. Video · · · · · · · · · · · Video

2.55 Audio File playing

Touch the song to directly play the song.

Click [◄◄ ◄ ►► ►►] to select and play the previous/next song.

Open the digit keyboard and enter the song No. to play.

2.56 Playing Information

Click the center of the control plate, and the play information will be displayed on the box on the right:

Play information name

NOW PLAY 002/017
Current play track number/total number

Baby · · · · · · · · · · opern

M. N · · · · · · · · · · Special

02:17 · · · · · · · · · · Play time

PLAY（PAUSE）· · · · · Play/pause

Click at second time to come back EQ mode , meanwhile ,it will show current setup EQ mode)

Play information

Ipod	001	374	01:40
	Current play track number	Total number	Current play time

Click MENU to return to the play contents menu.

iPod player display image:

iPod

BMW

Enable disconnecting
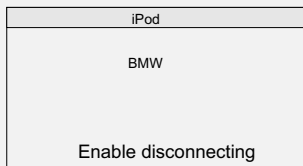
At this mode the iPod player can not be operate

2. 57   Video File Playing

Click MENU to return to iPod main menu, and then click 6 video item to select video play and switch to iPod operation state. While operating iPod, select execution of the video file play, and the iPod video file image can be transferred to the host unit to play.

5. All Music
6. Video

Enter video play interface:

Video image

While in video playing state, touch the screen slightly to open the touch menu. Touch the "Home page" icon, and click to enter iPod operation interface, click to return to iPod main menu, and then click 1.Playlists item to exit from video play and returnto audio play.

Touch the "Home page" icon to enter to the home page interface, and touch other function icon to exit.

※ Because of ipod go on updating all the time , some old ipod because of software discrepancy, when in actual operation , it maybe can not be compatible with our product.

Note When selecting the video play，you should switch to iPod operation state, and execute through iPod player operation; otherwise, sound with no image may occurs during playing.
For iPod operation, please refer to the iPod player manual.

2. 6 AV Function Operation

At the back end of host unit ,there is muti-functional compound connection A or D ,both of connection should connect audio and video input port ,this function will valid.

Touch the screen slightly to open the touch menu.

Touch the " Home page " icon sightly to enter home page interface, and touch [AV icon] slightly to enter AV main interface.
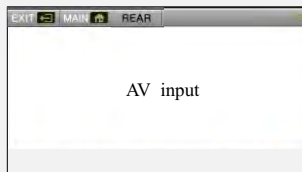
EXIT   MAIN   REAR

AV input

Touch the "Home page" icon to enter home page interface, and touch other function icon to exit from the AV function status.

A   B   C   D

E   F   G
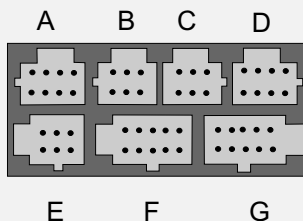
Note   Both the A and D interfaces of multi-function interfaces on the rear of the host unit can be used as AV input interface,But it can not make two AV input port at the same time, only one of them can be used.

When both the A and D interfaces are not connected to other device, please select A interface prior to B when selecting AV input; otherwise, AV input will be disabled.

2.7 NAV Function Operation

This function is available only when connected with GPS module.

2.71 Enter/Exit

Touch the screen slightly to open the touch menu. Touch the " Home page "icon slightly to enter home page interface, and touch [NAV icon] slightly to enter navigation main interface.

While in navigation status, press GPS button on the panel to exit from navigation status and return to other playing state.

※ At navigation mode, only the corresponding touch operation functions about GPS will be available. If other functions needed, it must exit the navigation mode.

2.72 Navigation Audio and Video Function

When switching to GPS navigation from AV/DVD/disc changer/TV/Video playing status, you can enjoy music or video in the former status in case of no navigation voice indication; and the system will automatically switch to navigation map interface in case of navigation indication. (For details, please refer to "System settings" in "Settings").

2.73 Music Function During Navigation

When switching to GPS navigation from radio/AV/DVD/disk changer/TV/Video playing state, you can enjoy music or video in the former state in case of no navigation voice indication; and the system will automatically switch to navigation map interface in case of navigation voice indication.

2.74 Volume Adjustment

Under GPS navigation status and when there is music output, it is to adjust the system volume at this time.
Under the voice navigation status, it is only used for GPS navigation volume adjustment.

2.75 Function Operation

This product also allows touch and write for destination search all operation functions of GPS please refer to manual of GPS navigation module.

2. 8   6-disc DVD Changer Installation

This function is available only when connected with Disc Changer .

2. 81   Enter/Exit

Touch the screen slightly to open the touch menu.

Touch the " Home page "icon slightly to enter home page interface, and touch slightly to enter disc changer function playing status:

Touch the " Home page " icon to enter to the home page interface，and touch other function icon to exit.

2. 82   Play

After enter to disc changer function, the disc changer detects the DVD ROM information first.

Detection state：

DISC KINDS PAGE	
TRAY 1	NO DISC
TRAY 2	CHECKING
TRAY 3	CD DISC
TRAY 4	NO DISC
TRAY 5	DVD DISC
TRAY 6	WAITING

THE DISC IN TRAY 4 IS NO DISC

Disk box information name

TRAY 1	NO DISC
disc compartment number	No disc mode
CHECKING	WAITING
Checking disc	Wait for detecting

After the detection of DVD ROM information, the disc changer will automatically load the disc and play: (if the disc hasn't been replaced by pulling out the DVD ROM, the previous playing status will be returned)

CD、MP3 disc Play menu：

00:01:19	TRACK:01	TOTAL:18
Play time	Current track number	track total

2. 83   Function of Touch Menu

	The previous status column		The next status column		Previous track
	Next track		Pop up cursor		Play/pause
	× FF		× FR		Repeat
	Enter rear zone		Turn on/off CDC setting menu		

Switch DVD language (disk support required)   Switch VCD sound

Switch DVD caption

Return to root menu of disc (disc support is required)

Exit the touch menu   Enter main menu

Play the previous disc   Play the next disc

2. 84   Playing Status, Cursor Define :

× FR

× FF

Next chapter

Previous chapter

Confirm/play

Switch the display position of the cursor

2. 85   Digit Keyboard

While in disc playing status, click digit buttons on the digit keyboard to select directly or select by chapter. (disc support is required)

While in disc detection status, click digit buttons on the digit keyboard to select and play directly.

Click   to hide the digit keyboard.

System Settings of Disc Changer

Touch the screen slightly to open the touch menu, touch CDCSET to open CDC setting menu, and then click again to exit:

Setup Menu–Main Page
General Setup
Speaker Setup
Audio Setup
Preference Setup
Exit Setup

General Setup
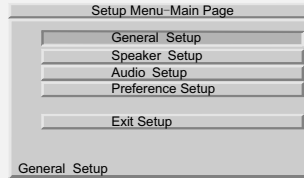
Operate the setting menu by the screen touch cursor .

Select upwards

Select downwards

Confirm

Switch the display position of the cursor

Select leftwards/return to upper menu

Select rightwards/enter lower menu

Operate the cursor to return to setting menu-home page, select "Exit from setting menu", and click   to exit the setting menu.

Click   to select a menu item, Click   to enter sub-menu,and click   to return to the upper menu.

Choose sub-menu at the button of main menu ,click   to return to "Setting menu-home page".
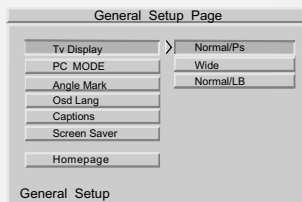
❶ General Setup Page

General Setup Page

Tv Display	>	Normal/Ps
PC MODE		Wide
Angle Mark		Normal/LB
Osd Lang		
Captions		
Screen Saver		
Homepage		

General Setup

● TV Display

Normal/Ps   Images will be scanned and output in the format of "Panorama"

Wide   Images will be output in the format of "Wide screen (16:9)"

Normal/LB   Images will be output in the format of "Message box"

● Set Image Mode

For setting image mode, auto mode is suggested.

● Angle Mark

On/Off   It display the angle mark

● Osd Lang

English   Select the DVD system interface language of the player
Chinese

● Captions

On/Off   Select display or hidden the subtitle of the disc (needing the disc backing)

● Screen Saver

On/Off   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

❷ Speaker Setup Page

—Speaker Setup Page—

DOWNMIX ❯ LT/RT
Stereo

Homepage

Loup Speaker Setup

● 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

❸ Audio Setup Page

--Audio Setup Page--

Audio Output ❯ ANALOG
OP MODE   SPDIF/RAW
Dual Mono   SPDIF/P CM
DYNAMIC
Audio Setup
LPCM Output

Homepage

Audio Setup

● Audio Output

Analog   Analog is default setting. The audio output is analog format, and there is no SPDIF output.

SPIDF/RAW   Select SPDIF/Source Code item if digital sound output and the power amplifier is provided with Dolby decoding function is needed.

SPDIF/PCM   Select SPDIF/PCM Code, if digital sound output and the power amplifier is provided with Dolby Decoding function is needed.

● OP MODE Output

Line Output   It is recommended to set to Line output mode at OP MODE output
Rf Remod   mode.

- Dual Mono

  Stereo/L-Mono
  R-Mono/Mix-Mono   This entry is the selection of Dolby digital channel setup

- DYNAMIC

  FULL-OFF   The same as DYNAMIC in the DVD setup, the FULL is default, you
                can adjust it. FULL is suggested.

- Audio setup   When the disc contains AC-3 ▣DOLBY DIGITAL or Dolby beamed logic ▣DOLBY SURROUND PRO·LOGIC
                 indicator, set this item to turn on Dolby beamed logic coder for a vivid
                 surrounding effect.

  Off/on   Turn off/on the Dolby surrounding.
  Auto   Auto output Dolby surrounding.

- 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
  96K   amplifier does not support 96K LPCM decoding.) It is available to deliver
                 the LPCM digital audio in true form output when selecting LPCM96 K

❹   Preference Setup Page

- -Preference Setup Page -	
TV Type	AUTO
Audio	NTSC
Subtitle	PAL
Disc Menu	
Region	
Parental	
Password	
Default	
∨	

- TV Type

  PAL/AUTO/NTSC

  Setup the type of the video system（Our product recommends setting up NTSC mode）.

- Audio   English/French/Spaish/Chinese/Japanese

            It select the language of the sound when disc is playing(needing disc backing)

- Subtitle English/French/Spaish/Chinese/Japanese/Off

  It select the language of the subtitle on the disc(needing disc backing)

- Language Disc Menu

  English/French/Spaish/Chinese/Japanese

  It select the language of the disc menu(needing disc backing)

- Region

  China/France/HongKong/Japan/Taiwan/Gbr/Usa

  It set the code of the region, where the country is located(Needing disc backing).

- Parental

  1 KID SAF/2 G/3 PG／4 PG 13/5 PGR/6 R／7 NC17/8 ADULT／NONE

  It set the locking level of the disc menu.

- Password

  Change   Change the password（Original password is 3308）

- Default

  Reset   Resumes the function setup column to the original status of player
  before delivery from the factory.

Replace the Disc

- Open the sliding door of the disc changer, press the ▲ button and the disc core will be ejected out.
- Then take out the disc core (if you cannot take the disc core out under special circumstances, please contact professionals).
- Pull out the tray from disc core and take out the disc.
- Carefully hold the disc core, pay attention to the direction of the disc core, if the outlet of the disc core is downwards, the disc may possibly fall down!
- Pull out the disc tray from the disc changer, and place the side with marks of the disc upside into the tray.
- Place the compatible discs to tray in turn.
- Open the disc door fully, and check the direction of the disc core and upside of machine, then carefully push the disc core till it generates "click" sound.
- Then completely shut the disc door till hearing the "click" sound.

Note

"Initial setting" item is available only when the disc changer ejects the disc.
Ensure closing the sliding door of the disc changer securely to avoid dirt or dust from access to the DVD ROM!
Do not place more than one disc on one disc tray to avoid failure to the machine!

2. 9 Rear Zone Function Operation

The system offers rear zone operation playing function, namely the driver can enjoy music or radio while the passage can watch DVD, TV or AV disc changer program through the dedicated headset screen on the back row without interference.

2. 91 Enter/Exit

Open the touch menu and touch REAR to enter to rear zone interface while in any playing status.

Touch "exit" icon to exit.

2. 92 Operation

User can click the touch icon to select the rear zone media playing source.

Note   For detailed operation of headset screen rear zone playing, please refer to headset screen manual.

2．10 Button Background Adjustment

● According to the different model

Enter "System setting" menu, and touch BACKGROUND COLOR character to change the background color of the panel buttons.

Numerical value of red，green，blue can be adjusted to change LED color of the panel ,Click ― + icon to adjust.
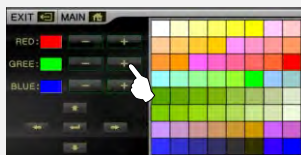
Operate the direction cursor to move the light ring to select the background color.

Touch directly to select background color, and click ― to store the selected background color.

2. 11 TPMS

- According to the different model

If the host unit has a tyre pressure detection module, tyre pressure detection is available. Set the corresponding upper and lower pressure limit as well as the temperature range, and alarm will be given out, (It is available when alarm tone setting is on.) in case the set range is exceeded.

While in setting menu, click
TYRE PRESSURE TEST to enter tyre pressure detection interface.

Touch "exit" icon to exit.

Buttons Function

SET PRESSURE   Set the upper and lower pressure limit.

PRESSURE UNIT   Set the unit of pressure (Psl, Bar, or Kgf/cm).

SET TEMPERATURE   Set the upper and lower temperature limit.

TEMPERATURE UNIT   Set the unit of temperature (℃ or ℉).

PAIR ID CODE   Proceed to ID code matching (password:)

ALARM   Turn on/off alarm tone

Click [buttons] to adjust the numerical value, and click [button] to save settings.

2.12 Steering Wheel Calibration

Function implemented qualification：

1、Steering wheel learning function is the same with the original steering wheel which not bus-mastering.

2、Key-press of original steering wheel must adopt the control way of voltage inputting. (when you operate each Key-press, enter each voltage into original sounder port)

3、When installation, find the three sorts of wires of original car steering wheel keys, one is its ground wire, one is its keys controlling wire(2 strips for some cars) and the last is its battary wire(+5V or +10V),then connect them to corresponding steering wheel wires of our host.

(When pull out the connector of audio host of original car, and original car steering wheel keys still power on, there is no need to connect extra battery; otherwise, you need to connect them to the output(+5V or +10V) of our host steering wires. Use the "Key control wire 1"first when connecting the keys controlling wire, if normal control, please choose the "Key control wire 2" and relearn for use.)

While in setting menu, click "Control calibration" icon and click [STEERING ADJUST] to enter steering wheel calibration.
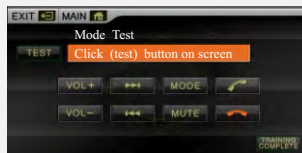
Steering wheel mode test

Press any key of the steering wheel to confirm the steering wheel state.
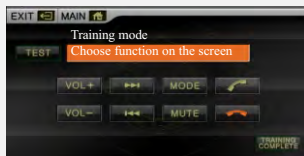
Click the desired function key on the screen first.
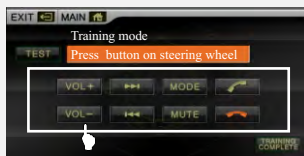
Press the corresponding button on the steering wheel.
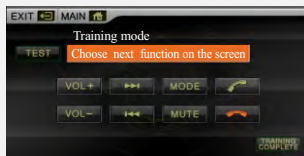
After training, the system will indicate the training of the next function key. Repeat these procedures until trainings of all control keys of the steering wheel are finished. Click TRAINING COMPLETE to end and exit, and the main machine can be controlled by using the steering wheel of the car.

Note   In fact, user can set steering wheel button function as needed. For example, click ▶▶ on the screen, and press the "Vol. +" key on the steering wheel to set the key as "Song +" function.

Touch "exit" icon to exit.

3、 System Setup

3.1 Basic Operation of Setup Menu

3.11 Enter/Exit
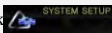
Touch the screen slightly to open the touch menu.

Touch the " Home page " icon slightly to enter home page interface, and touch [Setup] slightly to enter system setting main interface.

Touch "exit" icon to exit the current menu.

3.12 System Setup

Click [SYSTEM SETUP] to enter system settings.

Touch "exit" icon to exit.

◆ Time Setup

Click [CLOCK DISPLAY] character to start time display function, and the time will displayed on the lower right corner of the screen.

Click to select and set the hour or minute (when the selected item flashes, the adjustment is enabled).

Touch ▬ + character to adjust hour/minute, and touch SETUP character to save the adjusted time.

Touch 12 H character ,click 12 hours mode to display "PM" character.
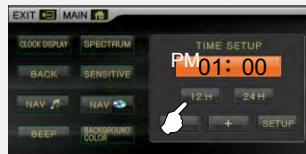
Touch 24 H character to select 24-hour system.
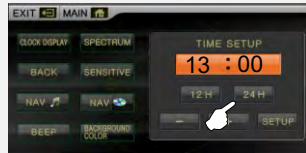
◆ Spectrum Display

Click SPECTRUM character to start spectrum display. Spectrum display mode will be automatically switched to if there is no operation for several seconds while in radio, bluetooth music, DVD, disc changer, MP3, and CD mode or playing disc without video format.

◆ Backing a Car Function

Click BACK character to start reverse function. If radar and camera are connected, the screen will display the reverse state information when proceeding to reverse gear.

When shutting down the panel, pull out/insert the car key again, and the screen will be on automatically to display the backing a car image. After backing a car, the screen will be off automatically to enter standby state.

Displays when backing car radar and camera are connected.
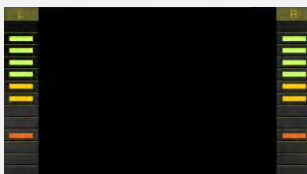
Displays when backing a car radar is connected.

◆ Sensitization Function：
（According to the different model）

Click SENSITIVE character to start sensitization function, and the screen will automatically adjust the screen brightness according to the external light.

◆ Music During Navigation：

Click NAV character to start music navigation function. While in navigation, the system will automatically play and switch to audio of the function state before navigation if there is no operation and navigation voice output for several seconds.

◆ Navigation AV：

Click NAV character to start navigation AV function. While in navigation state, the system will automatically play and switch to AV of the function state before navigation if there is no operation and navigation voice output for several seconds.

◆ Button Tone：

Click ▮BEEP▮ character to start button tone function, which allows corresponding button tone when you click a screen icon and press a button.

◆ Background Color：

Allows adjusting the background color of the panel buttons. (For details, please refer to "10. button background adjustment")

3. 13　Video Setup

Click "Video settings" icon to enter audio settings.

Touch ▮−▮ ▮+▮ to adjust the brightness, chroma and contrast of the image.

Background image
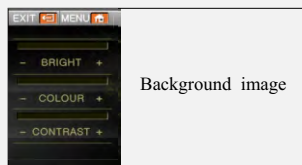
3. 14　Audio Setup

Click "Audio settings" icon to enter audio settings.
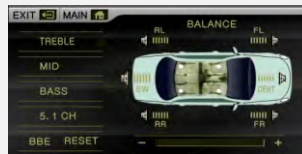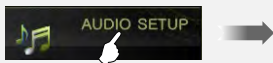
Touch the treble, alto and bass icons and touch — + to adjust the treble, alto and bass tone settings. Touch the rear left, front left, rear right, front right, bass, center icons, and touch — + to set the speaker volume balance adjustment.

Click BBE icon and click — + to adjust music effect of BBE state. If BBE is adjusted to the min. value, BBE function is off.

Click RESET icon to reset the audio setting parameters to the default status.

Touch "exit" icon to exit .

Note   "Center volume" adjustment is available only when 5.1-channel is on.
Only play 5.1ch disc , you can set up 5.1ch on turn on mode.
When play VCD ,CD ,MP3 disc ,please do turn off 5.1ch.

3. 15   Rearview Camera

When a rearview camera is connected, the camera image can be observed while in this status.

Click "Rearview camera" icon to enter rearview camera.

退出 🔙 主页 🏠 后台   镜头输入

the camera image
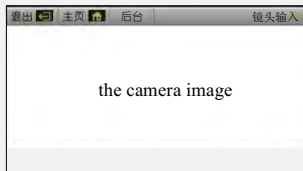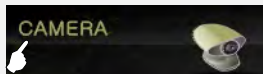
Touch "exit" icon to exit .

3.16 Tyre Pressure Detection

If the host unit has a tyre pressure detection module, tyre pressure detection is available. Set the corresponding upper and lower pressure limit as well as the temperature range, and alarm will be given out (It is available when alarm tone setting is on.) , in case the set range is exceeded.

(For details, please refer to "11. Tyre pressure detection")

3.17 Control Calibration

Click "Control calibration" icon to enter control calibration.
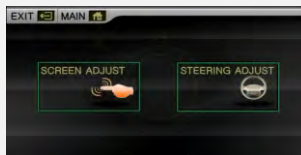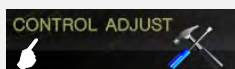
Touch "exit" icon to exit .

◆ Touch Screen Calibration

If deviation occurs to touch screen, you can correct the touch coordinates through "Touch calibration".

Click "Touch calibration"icon to enter touch calibration .
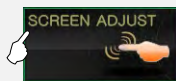
Click left－down corner

Use the neb to click the central point of＋icon to enter the next adjustment picture.

Click right–down corner

Click right–up corner

Click left–up corner

Click center

Over!

Note   If error occurs to touch position, you can correct the touch coordinates through "Touch calibration".

When doing touch correction, the center point of the cross must be accurate, or else the precision of touch correction will be affected.

◆   Steering Wheel Calibration

(For details, please refer to "12. Steering wheel calibration")

3. 2 Factory Mode Settings

During factory mode, radio antenna power switch, handbrake control, small lamp control, headset number, system reset, etc. can be set.

Click ![AV] to enter AV mode, click ![<<] to open the digit keyboard, and input password "7253" as the right figure shows:

AV INPU
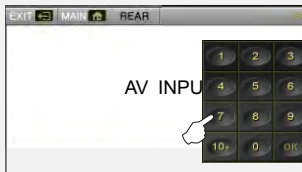
Enter to factory mode interface.

Radio ANT_P — On
Brake — Off
Lamp — Off
H_ num — 1
Reset

MST716:A2 07/25 STR731:A1 2007/07/25

System software version No.

Click ![EXIT] to exit from factory mode interface.

◆ Radio ANT_P

On   Off

When the radio antenna wire as antenna amplifier power wire, the setting shall be on, whereas the setting shall be off.

◆ Brake

Off   Level   Pulse

When there is no handbrake control, the setting is off.

When the handbrake control power supply uses DC power, the setting is level.

When the handbrake control power uses pulse voltage, the setting is pulse width.

◆ Lamp

Off   Level   Pulse

When small lamp switch control is not necessary for button background, the setting is off. When the small lamp control power uses DC power, the setting is level. When the small lamp control power uses pulse voltage, the setting is pulse width.

◆ H_Num

1   2

The headrest number shall be set according to the actual number, (this product supports up to 2 headsets).

◆ Reset

Click system settings to reset to the factory state. （Under factory mode，each setup is compelling setup，it can not be restored.

4、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.

4. 1 DVD Changer Installation

◆ Appearance

DVD Changer

Eject key

Discs case

Slide door

There are two angel adjust screws for both sides.

Compact disc inserting direction
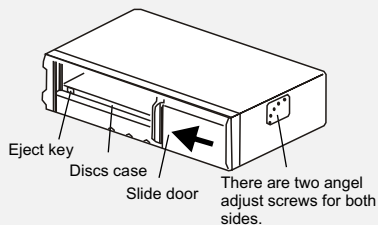
Compact Disc and Tray
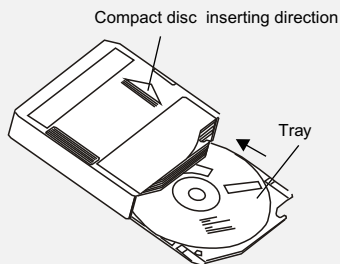
Tray

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.

◆ Installation Precaution

1、 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.

2、 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.

3、 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.

4、 Selecting wires and installing the machine need professional technology and experience. For safety, please let professional personnel to install it.

5、 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.

6、 Before connection wire, please disassemble negative(－) wire of the battery, or it will case fire or get an electric shock.

7、 When connecting the electric system, pay attention to the factory component（ep. Car computer）.

9、 Never touch lead of components when connecting the machine power.

10、 Check the ampere value of the fuse when connecting to the fuse box. Replacing fuse must also use fuse with appointed ampere value.

11、 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.

◆ **Warning**

For avoiding dangers such as electric shock and fire：

1、 Please remove wires connected with the accumulator positive terminal before wiring.
2、 Never twist cables, peel cables or use cables with broken insulation layer.
3、 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.
4、 Pay attention to not damage the fuel line, fuel tank or electric wire when drilling.
5、 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.
6、 Never jam the vent or radiator board and make heat accumulates inside.
7、 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.

◆ **Installation Operation**

Take off the Wedge

There are three wedges on the button of the instrument to pretect 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.

Wedge
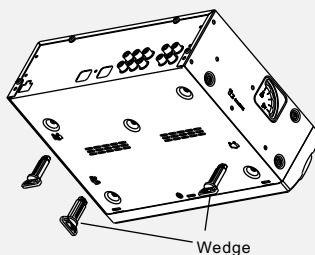
◆ **Install L-form Supporting Frame**

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

Screw（**M**5×6mm）×6

Installation supporting frame
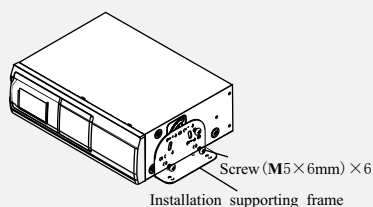
Typical vertical installation

Left installation
supporting frame

Screw（M5×6mm）×6

Right installation
supporting frame
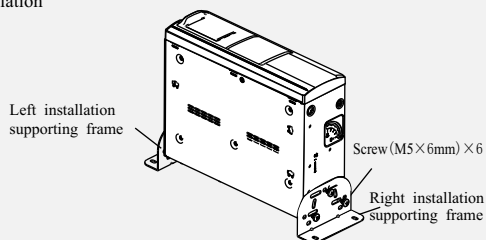
◆ **Change the Spring Position**

he 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.
(as figure shows).

Angle adjust spring

0

H

V

90°

0°

90°
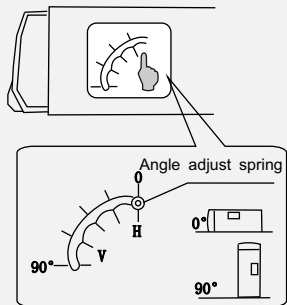
Lable the position, please label after setting the spring position to avoid dust.

4.2　Car Backing Sensor Installation

- 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.

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

  2 probes
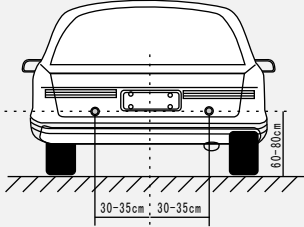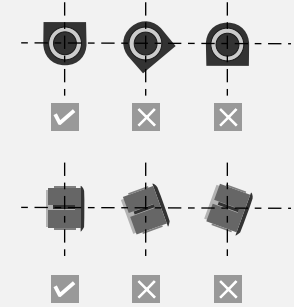
  4 probes
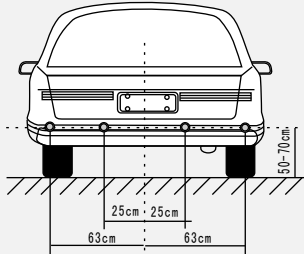
※ The final installation position can be adjusted slightly according to your car dimensions.

60~80cm.

30~35cm 30~35cm

50~70cm.

25cm 25cm

63cm 63cm

● **Backing Radar Usage**

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

Sensor's Effective Scope Diagram
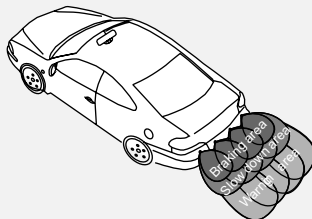
● **Reverse Display**

If the radar is connected but the reverse camera is not connected, screen display while reversing:

As figure shows, emerald represents forewarning area, yellow represents amble area, and red represents stop area.

Left — Sensor1
Sensor2

Right — Sensor3
Sensor4
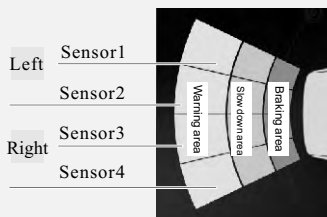
If both the car backing camera and radar are connected, screen display while backing a car.

Car Backing Camera display

Left   Right

● Display Form

There is only camera picture if just connect the backing camera but not backing sensor when backing the car.

When head unit connect radar car backing model , without connect camera , it only show analog car photo as well As radar detecting distance on the screen .

camera display

connect camera

0. 8M

without connect camera

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

camera display
0. 8M

connect camera

0. 8M

without connect camera

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. Picture.

Display signpost (yellow)   Display signpost (red)

camera display
Please Stop

connect camera

Please Stop
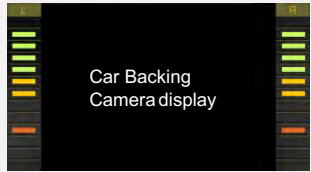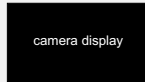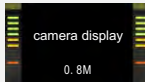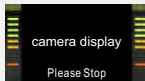
without connect camera

- Display of Radar Detection

  1. When the distance between radar sensor and barrier is more than 2. 0m, there will be a "FAR" on screen bottom.

  2. 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.

  3. 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.

  4. 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.

- Precautions for Using Radar

  Detection can be affected by:

  When in a smooth slope, signal

  smooth slope
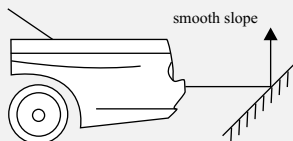
  When in the near of a smooth spherical object, signal can be reflected out.

  smooth spherical object
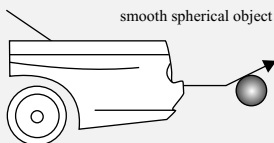
When in the near of a sound absorption cotton like object, signal can be absorbed greatly.

sound absorption cotton like object
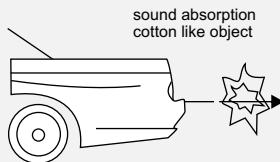
If meeting similar special objects, reflection of the detecting wave will be blocked.

similar special objects
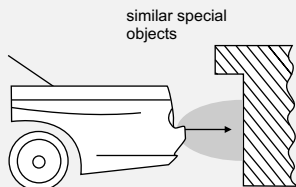
If meeting similar special circumstances, the detecting wave can not be detected.

similar special circumstances
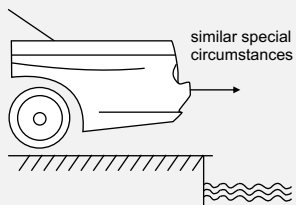
After installation, please first Confirm the function, then use.
When there is a rainstorm, or the inductor is polluted or is damaged, the detecting results will be affected.

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.

4. 3   Car Backing Camera Installation

he 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.

Camera
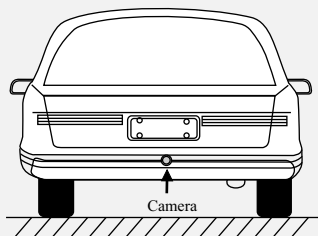
4．4　Description of the Buttons on Remote Control
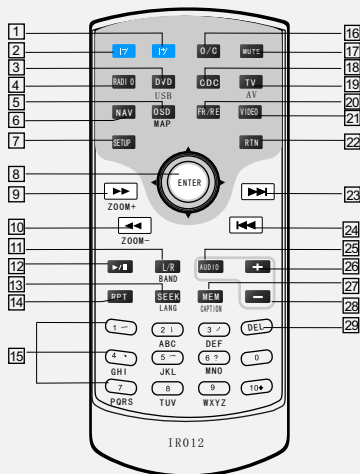
NO.	Button	Description of Button Function
1		Slide up (unavailable for fixed monitor)
2		Slide down (unavailable for fixed monitor)
3	DVD/USB	1.Switch to DVD status in any status. 2.In DVD status, press it repeatedly to switch the mode among USB/SD/DVD mode in turn.
4	RADIO	Switch to RADIO status.
5	OSD/MAP	1.In DVD or CDC status, turn on playing information display; 2.In navigation status, switch menu between the map and current place.
6	NAV	1. Select navigation status; 2.Press this button in navigation status can enter navigation main menu.
7	SETUP	Turn on/off the setup menu.

NO.	Button	Description of Button Function
8	◀ ▶	1. In RADIO status, seek previous/next station for play; 2. Fast forward /backward in CDC status; 3. Maunal fine tuning in TV status; 4. In menu setup status,adjust parameters. 5. In DVD status, no function for playing;
	▲ ▼	1.Adjust previous/next station step by step in RADIO status; 2. In TV status, select previous/next stationfor play; 3.In CDC status, select next/previous track or chapter; 4. In menu setting status, select setting menu item. 5. In DVD status, no function for playing;
	ENTER	1.Press it vertically as function confirm button; 2.In the fast forward/backward multiplication speed play status, press it vertically can return to normal status.
9	▶▶	1.In RADIO status, search high frequency station semi-automatically; 2. Fast forward in CDC, DVD status; 3.In navigation status, press it to magnify map function.
10	◀◀	1.In RADIO status, search low frequency station semi-automatically; 2. Fast backward in CDC, DVD status; 3.In navigation status, press it to minify the map.
11	Sound/ BAND	1. In RADIO status, switch band among FM1,FM2 and AM in turn; 2.Switch sound channels during VCD playing. 3. Switch the language of the disc during DVD playing.(needing disc backing)
12	▶/‖ Input	1. At DVD or CDC mode, switch status between play and pause; 2. Select different input methods in navigation status.
13	SEEK/LANG	1. In TV and RADIO status, search station automatically; 2. Switch language of the disc in CDC, DVD status(needing disc backing).
14	RPT	In CDC, DVD status, repeat single track or all the tracks in the disc.
15	Number button	1. During DVD playing, select track directly; 2. When inputting characters in navigation status, you can use input method to do it. 3. In CDC playing status, press 1~6 buttons to select discs directly, press 7 to open DVD setup menu and press 8 or 9 button to select disc up/down. 4. In navigation status, when you want input the words, press the button directly to input the words.(navigation system is required.)
16	O/C	Open/close monitor. (Unavailable for fixed monitor)
17	MUTE	Turn on/off volume. (Unavailable for fixed monitor)
18	CDC	Select CDC function when connect with DVD changer.
19	TV/AV	Select TV/AV function(It is valid when connect with external TV box or AV signal).

NO.	Button	Description of Button Function
20	**FR/RE**	Switches between dual zone.
21	**VIDEO**	It is unavailable for this player.
22	**RTN**	1.During disc playing, return to main menu; 2. Return to map display menu as the main menu of navigation is turn on.
23	▶▶	1.Select the next station in RADIO/TV status； 2. In CDC, DVD status, select next track/chapter.
24	◀◀	1.Select the previous station in RADIO/TV status； 2. In CDC, DVD status, select previous track/chapter.
25	**AUDIO**	Select EQ among FLAT, CUSTOM, POP, ROCK, CLASSIC and JAZZ.
26	**+**	Increase volume.
27	**−**	Reduce volume.
28	**MEM/CAPTION**	1.Store the station in the RADIO or Tvstatus; 2.Switch subtitle in DVD, CDC status(needing disc backing).
29	**DEL**	Delete the words in the navigation status.

5、Precautions

❶ Precaution When Using the Product

Please don't insert the coins or some metal things.

Please don't try to repair. This produc t is composed of lots of precise electonic commponents.

They will be broken or cracked if disassembled or reritted. if the failure happens, please turn off the power supply immediately and notefy distributor.

Please don't let the display screen incur the pollution like dampness, dust, stream, 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.

If water or other substance enters into the product，please turn off the power supply immediately and contact the distributor．

Please don't let the display screen be disposed in insolation.

Please turn off the power supply first when you plan to clean the machine.

Do NOT plugging and unplugging the map card and connect a wire or accessory during start-up to avoid damage to the main machine or accessory while plugging and unplugging.

If the drive mechanism is blocked, do NOT handle it by force. Please call a dedicated maintenance personnel to repair.

❷ 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.

❸ 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.

6、 **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
No display of LCD	Fuse blowing	Replace with a new fuse
	Loose wire	Reconnect properly.
	Communication between main machine and vehicle control system failed	Press Reset key of the main machine and reconnect
	Main machine control system communication failed	Press Reset key of the main machine and restart
	Too low storage battery voltage. System's automatic protection activated	Charge the storage battery to 12V
	Mis-set as blank state	Touch the screen to restore the display
No sound played	System in mute state	Press Mute key exit from mute state
	Loose sound cabinet wire	Reconnect properly.
	Damaged sound cabinet	Replace with a new sound cabinet
No image played	Wrong disk position	Surface with label upwards on the tray
	Dirty or damaged disk	Try another disk
	Loose/bad wire connection	Reconnect properly.
	Wrong use of AV input port	Please refer to AV function operation for selecting ports
	Wrong iPod play video file setting	Please refer to descriptions of iPod function operation
Occasional sound skipping	Dirty or damaged disk	Try another disk
Sound skipping during vibration	Wrong installation of the main machine	Ensure fixing the main machine securely
	Wrong twisting direction of the disk changer installation screws	Place angle adjusting screws marked with V or H to the correction installation directions.
Disabled Bluetooth handsfree function	Wrong matching with the main machine	Rematch

Bluetooth matching failed or unable to match	Compatible problem exists between some models of cell phone Bluetooth and the product.	Replug the car key to start up and match
Touch failed/too slow action	Touch coordinate offset	Recalibrate the touch coordinate
	Main machine control system communication error	Press the Reset key to restart or restart the machine
Car reversing failed	Wrong or bad reversing wire connection	Reconnect
	Wrong or bad camera and radar connection	Reconnect
	Reversing setting isn't set as "On"	Access system settings, and set the reversing as "On".
No key tone	The "Key tone" is set as "On"	Access system settings, and set "Key tone" as "On"
There is music but no accompanying sound during DVD playing	Wrong language setting	Reset the language key
	Set the speaker as 5.1CH state and vehicle sound cabinet as 2CH/4CH. The setting doesn't match the device.	Set the speaker as stereo, and set the audio setting "5.1" as "Off".
Key backlight can't be lit or	The "Small lamp control" setting in factory mode is not corresponding the small lamp control wire connection state or small lamp power supply.	Reset the small lamp control form
Disabled handbrake	Wrong or bad handbrake connection	Reconnect
	Under factory mode , grip brake control is set up to turn off mode .	Renew set up grip brake control to turn on mode.
Disabled steering wheel control	Wrong connection between steering wheel wire and steering wheel control wire of the main machine	Reconnect
	Failed connection between steering wheel and main machine	Redo steering wheel training
	The way of steering wheel control can not campatible with our host.	please contact with our company after professional service for technical sustain.
Disabled tire pressure detection Not accurate	Tire pressure detection setting error	Reset
	Insufficient or no tire pressure detection probe battery	Replace the battery

7、**RDS Function Operation**（**optional**）

❶   PTY Operation

Press the "PTY" icon on the screen, this will enable or disable the PTY feature.when PTY is enable it will appear red in color.Meanwhile the certain "PTY" will be showed on the displayed in the "PTY"   fields.When certain PTY is selected it will seek within this corresponding PTY.

When the PTY is disable, it will show the current "PTY" after 5s.

❷   AF Operation

Press the "AF" icon on the screen, this will enable or disable the AF feature of RDS. When AF is enabled seeking will search for RDS signals automatically.

If an RDS signal is received, the RDS icon" 🔆 " will be displayed on screen in the top right corner.

MAIN 🏠
FM1   108. 00MHz
PS： GAVKNRDS   PTY： INFO
90. 60MHz M3   M4 100. 60MHz
87. 50MHz M2   M5 100. 90MHz
80. 60MHz M1   M6 108. 00MHz
BAND   REAR
TA   —   PTY   +   AF

After a short time, the channel name and style will be displayed in the "PS" and "PTY" fields.

If there is no PTY signal, PTY will display NONE.

MAIN 🏠
FM1   108. 00MHz
PS：   PTY： NONE
90. 60MHz M3   M4 100. 60MHz
87. 50MHz M2   M5 100. 90MHz
80. 60MHz M1   M6 108. 00MHz
BAND   REAR
TA   —   PTY   +   AF

If the RDS signal becomes weaker, it will switch to another frequency broadcasting the same station automatically. When RDS is disabled, the " 🔆 " icon will disappear.

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❸ TA Operation

Press the "TA" icon on the screen, this will enable or disable the TA feature.when TA is enable it will appear red in color.Then local traffic information will be received,during broadcast a " 🖼 " icon will be displayed on screen in the top left corner.

When TA is enabled,the system will automatically switch back to receive and traffic broadcast information.

Responsibility-free statement

The Users Manual is used as a guide for the users to operate our company's products. When doing the edit, We try our best to keep all the contents including words, pictures and ico consistent. But we can't guarantee the veracityand integrality.

The backing rearview function of this products is to work as assistant while backing.

Then tyre pressure tasting system of this product can inspect the pressure and temperature of the tyre, so the users can observe the condition of the tyre's pressure and temperature with the help of this system.

The above two functions are only work as assistant and convenience to the users' operation. When using this product, the users need to do periodic maintenance to the car.