

- ◇ ALL IN ONE CAR DVD PLAYER
- ◇ WITH 6.5" TFT LCD TOUCH SCREEN

## CAR ENTERTAINMENT NAVIGATION SYSTEM

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### User Manual

Before operating the unit, read this manual thoroughly and retain it for future reference.

To avoid injury or accident, read the following precautions before installing and operating the unit.

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## Precautions

Thank you for purchasing this car multimedia entertainment.

Before operating the unit, read this manual thoroughly and keep it handy for future reference.

To avoid injury or accident, read the following precautions before installing and operating the unit.

### On Safety

Comply with your local traffic rules and regulations.

- 1) Do not install the unit in a spot exposed to direct sunlight or excessive heat or the possibility of water splashing.
- 2) Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal. If the liquid crystal fluid from LCD contacts your body or clothing, wash it off with soap immediately.
- 3) Do not wipe the panel with a stiff cloth or a cloth dampened by volatile solvents such as paint thinner and alcohol.
- 4) If the monitor touches an obstacle while it is being raised/lowered, the monitor will stop automatically. Should this occur, remove the obstacle first and then continue the operation.

5) If the unit does not seem to be working right, try pressing the reset button first. If that does not solve the problem, consult your supplier.

6) When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. Using a fuse with the wrong rating may cause your unit to malfunction.

7) Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.

8) When disposing of used units, please comply with governmental regulations or environment public institution's rules that apply in your country/area.

### Where to install

Before installing this unit, please check your local traffic rules and regulations.

Do not install this unit where:

- It will obstruct the driver's view.
- It will obstruct the operation of the airbag system.
- It will obstruct the operation of the vehicle, especially the steering wheel, shift lever, or brake pedal.

**On installation**

- 1 )Installing this unit requires technical expertise. This unit should be installed by a qualified technician or service personnel.
- 2 )If you try to install this unit by yourself, do it properly, referring to the installation and wiring diagrams in this operating manual. Improper installation may result in fire or electric shock.
- 3 )Before installation, be sure to turn the ignition switch to the OFF position or take the key out. Installing this unit with the ignition on may cause battery drain or a short circuit.
- 4 )Do not damage any pipes, tubes, the fuel tank or electric wiring when installing this unit. This can cause a fire. If you drill a hole in car panels, make sure that any hidden car parts will not be damaged.
- 5 )Do not use any nuts or bolts for safety devices such as steering linkage, fuel supply or braking systems. This can cause a fire or an accident.

**Moisture condensation**

If the ambient temperature of the unit changes rapidly, moisture condensation may occur inside the display window. Wait for a while, until the moisture condensation evaporates and unit returns to normal.

**About the liquid crystal display (LCD) panel**

Do not press on the LCD panel on the unit as doing so can distort the picture or cause a malfunction. The picture may become unclear, or the LCD panel may be damaged.

**Notes on cleaning**

- Clean the LCD panel with a slightly damp soft cloth.
- Do not use solvents such as benzene, thinner, commercially available cleaners or antistatic spray.

Do not use the unit in temperatures under 5°C or even 45°C.

If your car was parked in a cold or hot place, the picture may not be clear. The monitor is not damaged. The picture will become clear after the temperature in your car becomes normal.

Some stationary blue or red dots may appear on the monitor. These are called bright spots, and can happen with any LCD. The LCD panel is highly sophisticated, and more than 99.99% of the segments used in the panel are flawless. However, there is a possibility that less than 0.01% of the segments are defective and may not light up properly.

### How to use Touch Screen:

Touch Screen is solid and reliable, however, one should still keep the following in mind:

- 1、 Do not scrape the screen hard, slight touching is enough;
- 2、 Touch Screen is not water-proof. In extreme case, water will enter the circuit through panel;
- 3、 Touch Screen includes a glass component, do not knock or press it hard;
- 4、 Keep the screen from high temperature, dust and humidity.

Don't use alcohol to clean the screen.

### Use and care of the remote control

- (1)Point the remote control in the direction of the front panel to operate.
- (2)The remote control may not function properly in direct sunlight.
- (3)Do not store the remote control in high temperatures or direct sunlight.
- (4)Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerate pedal.

### How to use lithium battery

- 1 )Use only one CR2025 (3V) lithium battery.

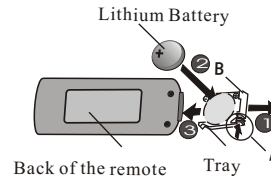
Remove the battery if the remote control is not used for a month or longer.

- 2 )Do not recharge, disassemble, heat or dispose of the battery in fire.
- 3 )Do not handle the battery with metallic tools.
- 4 )Do not store the battery with metallic tools.
- 5)In the event of battery leakage, wipe the remote control completely clean and install a new battery.
- 6)When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- 7)Keep the battery out of the reach of children, Should be swallowed, immediately consult a doctor.

### Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the plus (+) and minus (-) poles pointing in the proper direction.

When using for the first time, pull out the film protruding from the tray.



## Playable discs

DVD, Video CD and CD discs that display the logos shown below can be played back on this player.

DVD audio



DVD video



Video CD



CD



MP3



MP4



## DVD video disc region numbers

DVD video discs that have incompatible region numbers cannot be played on this player.

( This unit is for zero region.)

## DVD Player and care

Use only normal, round discs. If you insert irregular, non-round, sharp discs they may jam in the DVD player or not play properly.

Check all discs for cracks, scratches or warped discs before playing. Discs that have cracks, scratches or are warped may not play properly. Do not use such discs.

Avoid touching the recorded (non-printed side) surface when handling the disc.

Store discs in their cases when not in use.

Keep discs out of direct sunlight and do not expose the discs to high temperatures.

Do not attach labels, write on or apply chemicals to the surface of the discs.

To clean dirt from a disc, wipe the disc with a soft cloth outward from the center of the disc.

If the heater is used in cold weather, moisture may form on components inside the DVD player. Condensation may cause the DVD player to not operate properly. If you think that condensation is a problem turn off the DVD player for an hour or so to allow the DVD player to dry out and wipe any damp discs with a soft cloth to remove the moisture.

Road shocks may interrupt disc playback.



Right



Wrong

## DVD discs

With some DVD video discs, it may not be possible to use certain functions.

It may not be possible to play back some DVD video discs.

### DVD: Digital Versatile Disc

A type of disc which contains recording of audio/video packaged media with high video and audio quality, such as a movie, featuring large recording capacity and digital signal proceeding capability.

#### Top menu/menu(DVD)

Some DVD discs display more than one title in a screen. This screen is referred to as the title menu. The DVD menu is the item display (menu screen) for use in setting operations. The DVD menu can be recalled any time during playback to perform settings according to the current software, including the audio switching between Dolby digital and PCM, switching of language used in the subtitles and spoken voice.

While using DVD-R/DVD-RW discs, only video files can be played, normal computer files cannot be played.

When DVD-R/DVD-RW discs are used, playback is possible only for discs which has been recorded with the Video format (video mode). It is not possible to play back DVD-RW discs which have been recorded with the Video Recording format (VR mode).

It may not be possible to play back DVD-R/DVD-RW discs which have been recorded with the Video format (video mode), because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of this unit.

Playback of discs recorded on a personal computer may not be possible depending on the application settings and the environment. Please record with the correct format.

### CD-R/CD-RW discs

When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.

It may not be possible to play back CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc, on the lens of this unit.

Playback of discs recorded on a personal computer may not be possible depending on the application settings and the environment, Please record with the correct format. (For details, contact the manufacturer of the application.)

Playback of CD-R/CD-RW discs may become impossible in case of direct exposure to sunlight, high temperatures, or the storage conditions in the car.

Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this unit. (In the case of audio data (CD-DA)).

If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc. Read the precautions with CD-R/CD-RW discs before using them.

## MP3

MP3 is the abbreviation of MPEG audio layer3, which is the standard of audio compression technology.

MP3 files on CD-ROM, CD-R and CD-RW can be played in this machine.

Disks compatible with ISO9660 level 1 and 2, or with ROMEO and JOLIET system can also be played.

Recorded disks with multi sections can be played.

MP3 files are incompatible with the transporting of read-in data.

The max charwidth of the file name (including the extending name .mp3) is 32 (counting from the first char).

The max charwidth of the folder name is 32.

If the file is recorded through ROMEO and JOLIET system, only the former 32 char are displayed. While playing disks with MP3 and CD-DA, such as CD-EXTRA and MIXED-MODE CD, the system can only switch between MP3 and CD-DA.

The selected folder sequence of playing and other operations will be the sequence to write in the software. So the anticipated sequence of playing should not conflict with the actual playing sequence. However, there are indeed some software in which playing sequence is allowed to set.

The file is compatible with Id3 Label version 1.0 and 1.1, so as to display the music titles and authors. The enhancing function is valid only when playing MP3 in 32, 44.1 and 48 KHz. Sample frequencies 16, 22, 05, 24, 32, 44.1, 48 KHz can be played.

The tone of MP3 file can usually be bettered when the bit rate is increased. This machine can play recordings between 8KBPS and 320KBPS. But in order to enjoy good tone, we recommend disks over 128KBPS.

### **IMPORTANT:**

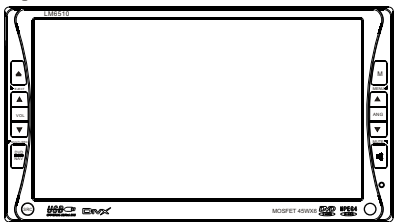
While naming an MP3 file, add relevant extending name .mp3.

This machine will play files with .mp3 as Mp3. Do not use this extending name on non-mp3 files so as to avoid noises and other problems.



## Key Functions


Touch panel



unit:

- 1、 DVD eject button

Press to eject a disc from the unit.

- 2、 Rotate for volume adjustment


Press in AUDIO for sound control.

- 3、 DVD/NAVI button

Press to select DVD or USE and press this button for a few seconds as the function of “NAVI” .







- 4、 SOURCE button


The system ON by selecting a source. Press to cycle through all of the available sources. Press the button for 2s to OFF the system.

- 5、 (main menu)

Press to control functions, press this button for 2s to select day or night.

ON NAVI:

- 1、 Control left or right;
- 2、 Control up or down;
- 3、 NAVI main menu;
- 4、 NAVI exit button;
- 5、 NAVI enter button;
- 6、 Press 2s to OFF the NAVI system;  
other buttons will return original function  
when navigation exited.

- 6、 Angle (+/-) button

press to change the LCD panel angle, can change menu initial value while establish the menu appearance.

- 7、 MUTE button

Press this button to select MUTE or NOT MUTE.

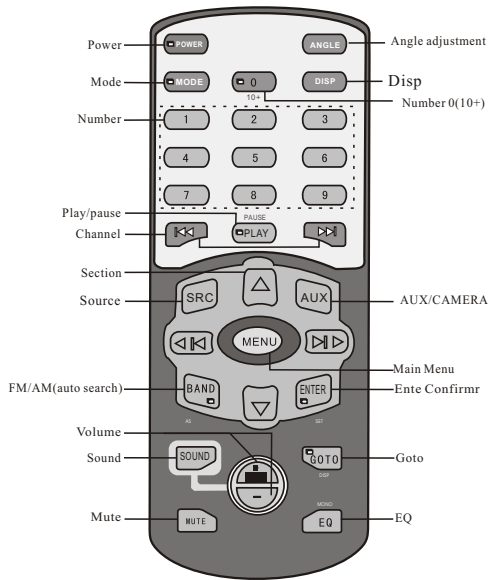
- 8、 RESET button

Press this button can return to the original setup.

- 9、 IRRX Window

Never cover this window, avoiding the malfunction of remote

## Remoter funtions



### 1、 POWER button

Press this to take back the LCD. When awaiting an opportunity ,press this button to flip out the LCD.

### 2、 Mode button

Press this button to select softness\bright\standard\custom, under DVD estate press this button for 2s to track cut over(R+R,L+L,STEREO).

### 3、 Number button

### 4、 Play /Pause button

After putting in the disc , press this button to start play, press twice to pause.

### 5、 Channel button

Under DVD estate press this button to change the songs. Under CDC estate press this button to change disc. Under TV or RADIO press the to change frequency. ▶▶▶

### 6、 Section button

Direction select button

### 7、 Source button

Press this button repeatedly to switch the function between DVD ,TUNER , TV , CDC, AUX and MP3.Within 2s , if without operation, then it will automatically go to the function which glitter on the screen .Press this button for 2seconds to off the item.

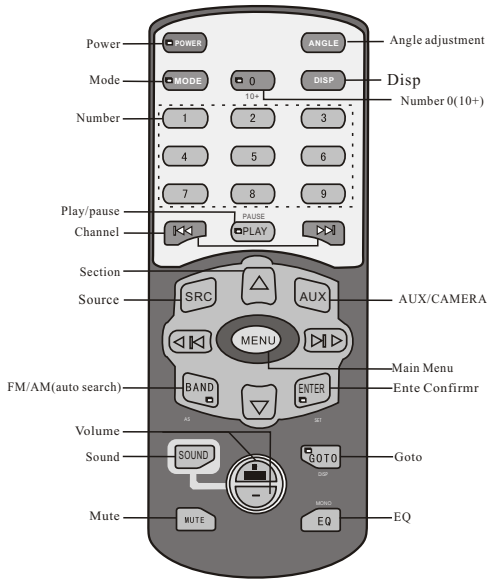
### 8、 BAND button

Press this button shortly to choose the frequency .Press it for few seconds to search FM automatically.

### 9、 “ + ” “ - ” Volume button

### 10、 Sound button

Touch this button to display the volume menu, you can select BASS, TREBLE, left or right balance.



### 11、 MUTE button

Press this to select MUTE or NOT MUTE

### 12、 ( - / + ) ANGLE button

Press this button to change the angle of the LCD panel.

### 13、 Disp button

### 14、 Number button “0”

Press this button for a few seconds as the function of “10+” .

### 15、 AUX button

Press this button repeatedly to switch the AUX and CAMERA.

### 16、 MENU button

### 17、 Confirm button

Under the DVD estate ,this button as the function of confirm.

Under the TV/RADIO estate, this button as the function of memory.

### 18、 GO button

Press this button, input number or joystick and press confirm key, the program will switched to relevant position.

### 19、 EQ frequency mode button

Press this button to select multi-equilibria mode:  
Standard\Jazz\Rock\Classical.

#### ON NAVI:

- |    |  |                                      |     |  |                           |
|----|--|--------------------------------------|-----|--|---------------------------|
| 1、 |  | Direction Button UP\Down\Left\Right; | 6、  |  | switch day/night button;  |
| 2、 |  | Confirmation Button                  | 7、  |  | Map Display Mode Button;  |
| 3、 |  | Exit submenu button                  | 8、  |  | Current Place Button;     |
| 4、 |  | Zoom Out\Zoom In button              | 9、  |  | Destination Button;       |
| 5、 |  | Navigation Sound Adjustment Button   | 10、 |  | Switch In\Out Navigation. |

## Basic Operation

**A** the panel operation    **B** the remote control operation

### POWER ON/OFF

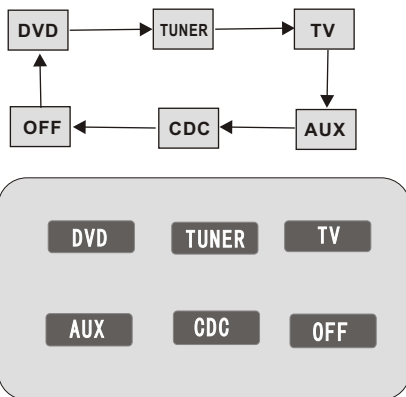


Press for one time to open the system,  
Press for 2s to close the system;  
Touch EXIT to close the system.

### Select Sources



Press repeatedly it will switch recycle the  
Signals show in the pictures.



### NOTE:

Please don't let the pictures immovable, otherwise there will be some shadow leave on the screen.

After the power electrifying, the pictures appears dark or dim, please wait for few minutes, it will go normally later.

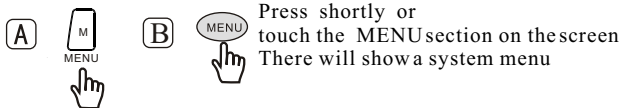
You can enjoy the perfect sound effect under the case of take back the LCD monitor or extend the LCD monitor, there is no need to power off the power.

NOTE: When the car is driving, there will be a warning.

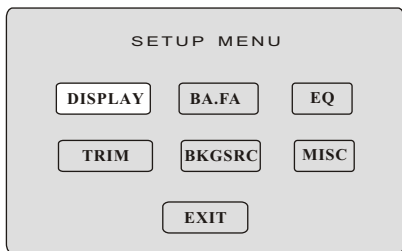
**PICTURE OFF FOR SAFETY**

**A** the panel operation    **B** the remote control operation

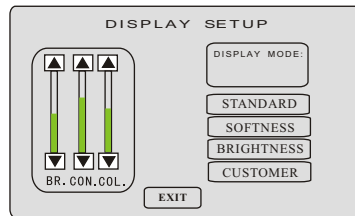
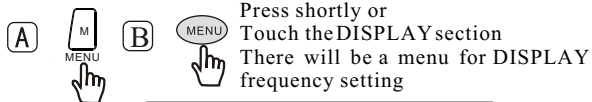
## MENU SETTING



The system menu include six page, each item of the menu can be touched and selected freely.

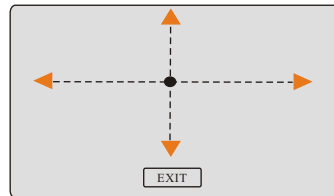
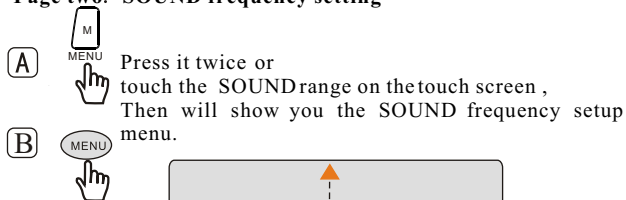


## Page one :DISPLAY frequency setting





The adjust range is from 0 to 31, it's depends on your habit to setup the data.

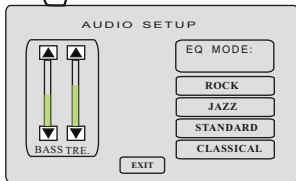
## Page two: SOUND frequency setting





It's depends on your habit to setup the data.

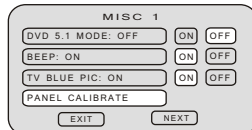
### Audio mode setup

**A**  **B**  Press the button for three times or touch the screen the EQ range .Then will appear the Audio mode setup menu.

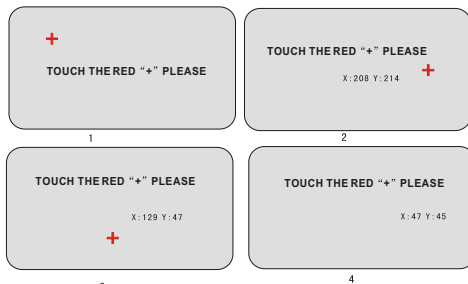


### SYSTEM mode setup



**A**  **B**  Press the button for six times or touch the screen the MISC range .Then will appear theSYSTEM mode setup menu.

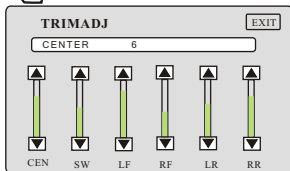


Note:The touch PANEL CALIBRATE function operation The touch" **PANEL CALIBRATE**", enter as follows diagram, grow to press red "+" mark Ambition, press to press to correct completion three times.





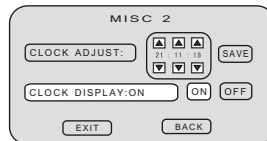
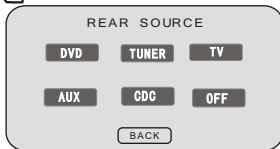
### Trimadj mode setup

**A**  **B**  Press the button for four times or touch the screen the TRIMADJ range .Then will appear theTRIMADJ mode setup menu.



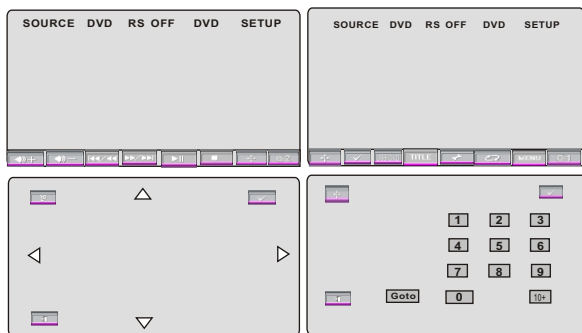
### Bkgsrcc mode setup

**A**  **B**  Press the button for five times or touch the screen the Bkgsrcc range .Then will appear theBKGSRC mode setup menu.



## DVD Playing

Touch the DISP range on the touchscreen, it display like following :



### 1、DVD Play and Pause

Press the button to play disc, press it again to pause playing.

Touch the button to pause play.

If you would like to go on playing the disc at the same point, press again.

### 2、DVD stop playing

Touch shortly, enter quasi-stop, at this time the disc is behind again enter disc, recover to play.

Touch to twice, enter stop, at this time the disc is behind again enter disc, afresh to play.

### 3、Forward and backward

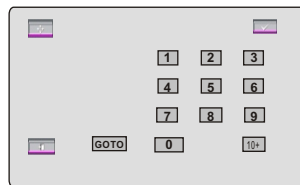
Under the estate of DVD playing, touch to perform the forward and backward song, press for 2s continues, the playing speed switch between  $\overset{2X}{\curvearrowright} \rightarrow \overset{4X}{\curvearrowright}$  and normal speed, press resume normal playing speed.

### 4、Song choose

Under the estate of DVD playing, press this button or touch to perform the forward and backward song.

### 5、Jump to turn to an appointed song

Touch the screen will show as follow:





Input the desire jumps to turn numerical key to press , the DVD turns to go in to correspond a song to continue to play. If input two numerals, touch GOTO, direct again two numerical keys 2, 8, again press behind turn go into 28 continue to play.

Press the GOTO button the screen will show as follow:

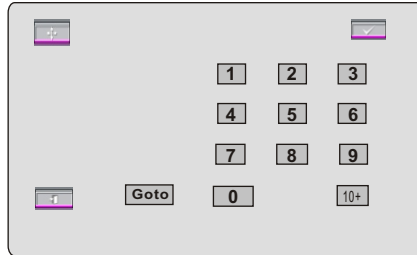
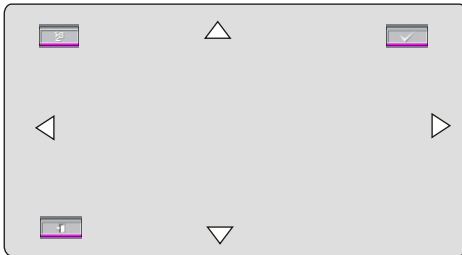


## 6、 DVD playing MENU

Touch MENU return to the DVD main menu, base playing list,  to select ,press  /  to confirm play .

(1) Touch  --  to enter DVD menu, then detailed operations can be seen.

(2) PBC: When PBC is on the status of “off” , the track can be selected from the figure buttons. When PBC is on the status of “on” , the figure buttons are null while the device is in progress. To return to the main menu, press “PBC” . To select the track, operate on the main menu directly. (VCD disc is effective)





## GOTO advanced operations

Menu	Functions	Optional ways
<b>Title</b>	To display present title number and the total amount. Any wanted title can be selected as you like.	The buttons of the left and right sides are for selection; the figure buttons are for entering; the buttons of ENT/OK are for confirmation.
<b>Chapter</b>	To display present chapter number and the total amount. Any wanted chapter can be selected as you like.	The buttons of the left and right sides are for selection; the figure buttons are for entering; the buttons of ENT/OK are for confirmation.
<b>Time display</b>	To select it, then the present title/chapter operating time or the time to be left can both be displayed. Or turn it off to ignore this selection.	The figure buttons are for entering; the buttons of ENT/OK are for confirmation.

# DVDSETUP



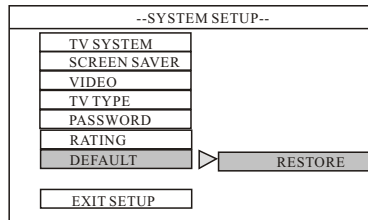
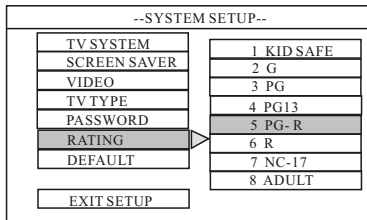
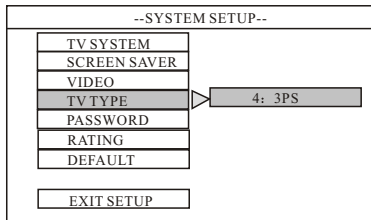
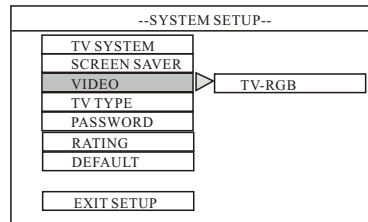
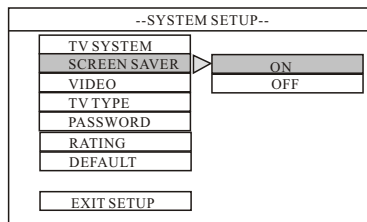
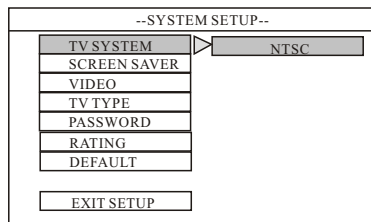
Press for 2s

Touch the DVD on the touch screen to

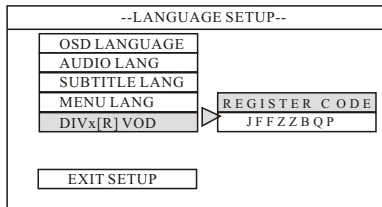
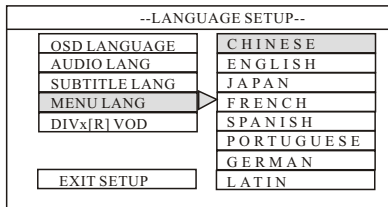
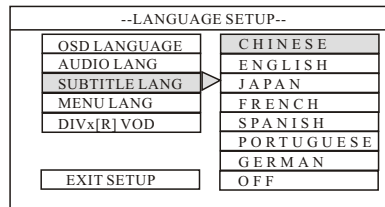
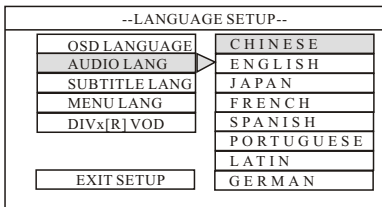
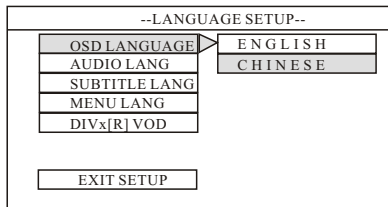
select the band for  → 

DVD OSD setup six different kinds: SYSTEM SETUP, LANGUAGE  
SETUP, AUDIO SETUP, VIDEO SETUP, SPEAKER SETUP, DIGITAL

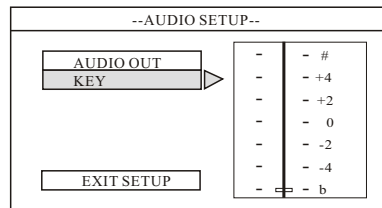
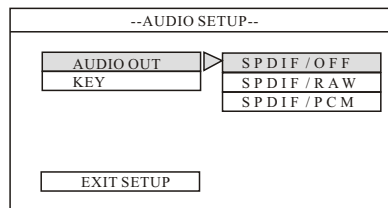
## SYSTEM SETUP



# LANGUAGE SETUP



# AUDIO SETUP



# VIDEO SETUP

--VIDEO SETUP--

BRIGHTNESS	▶	12
CONTRAST		10
HUE		8
SATURATION		6
SHARPNESS		4
		2
		0

EXIT SETUP

--VIDEO SETUP--

BRIGHTNESS	▶	12
CONTRAST		10
HUE		8
SATURATION		6
SHARPNESS		4
		2
		0

EXIT SETUP

--VIDEO SETUP--

BRIGHTNESS	▶	+6
CONTRAST		+4
HUE		+2
SATURATION		0
SHARPNESS		-2
		-4
		-6

EXIT SETUP

--VIDEO SETUP--

BRIGHTNESS	▶	12
BONTRAST		10
HUE		8
SATURATION		6
SHARPNESS		4
		2
		0

EXIT SETUP

--VIDEO SETUP--

BRIGHTNESS	▶	8
CONTRAST		6
HUE		4
SATURATION		2
SHARPNESS		0

EXIT SETUP

# SPEAKER SETUP

--SPEAKER SETUP--

DOWNMIX	▶	LT / RT
SUBWOOFER		S T E R E O
CENTER DELAY		V S S
REAR DELAY		O F F
FRONT		

EXIT

--SPEAKER SETUP--

DOWNMIX	▶	O F F
SUBWOOFER		O N
CENTER DELAY		
REAR DELAY		
FRONT		

EXIT

--SPEAKER SETUP--

DOWNMIX	▶	+
SUBWOOFER		4MS
CENTER DELAY		2MS
REAR DELAY		0MS
FRONT		

EXIT

# SPEAKER SETUP

--SPEAKER SETUP--

DOWNMIX
SUBWOOFER
CENTER DELAY
REAR DELAY
FRONT

12MS  
6MS  
0MS

EXIT

--SPEAKER SETUP--

DOWNMIX
SUBWOOFER
CENTER DELAY
REAR DELAY
FRONT

LARGE  
SMALL

EXIT

# DIGITAL SETUP

--DIGITAL SETUP--

OPMODE
DYNAMIC RANGE
DUAL MONO
PROLOGIC

LINE OUT  
RF REMOD

EXIT SETUP

--DIGITAL SETUP--

OPMODE
DYNAMIC RANGE
DUAL MONO
PROLOGIC

FULL  
6/8  
4/8  
2/8  
OFF

EXIT SETUP

--DIGITAL SETUP--

OPMODE
DYNAMIC RANGE
DUAL MONO
PROLOGIC

STEREO

EXIT SETUP

--DIGITAL SETUP--

OPMODE
DYNAMIC RANGE
DUAL MONO
PROLOGIC

MOVIE MODE  
MUSIC MODE  
OFF

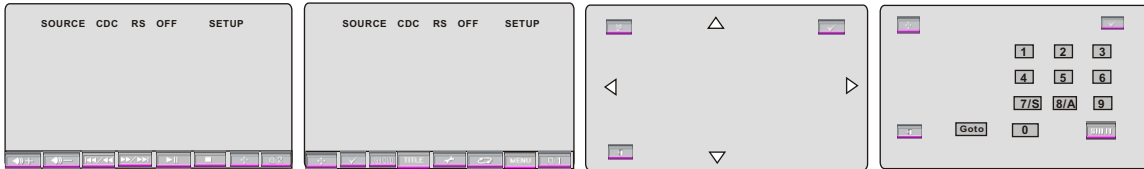
EXIT SETUP

CDC playing( compatible with Panasonic VCD changer)






Press it for two times or touch the SRC region to choose CDC playing.



When the disc is chosen, playing mode will be formed automatically. When the menu is displayed, press the touch region of DISP. Then you can see below:



#### 1、 manual changing disc

Press **A** , to play any disc as you want. Touch the   buttons on the screen (or press the figure buttons on the remote control), to choose the proper disc. If there is no related number, please choose the next one.

#### 2、 Forward and backward

Under the estate of CDC playing, press   for 2s continues ,the machine will carry out to enter quickly and back quickly, also correspond to hint an information to show, press to correspond a button again, stop enter quickly to back quickly.



#### 3、 move to changing disc

Touch the  button and touch the  into the picture 4,

#### 4、 automatical changing disc

After one disc is finished, the system will shift to the next automatically.

#### 5、 Voice mode select

Touch the  button and touch the  button to selecting voice mode.

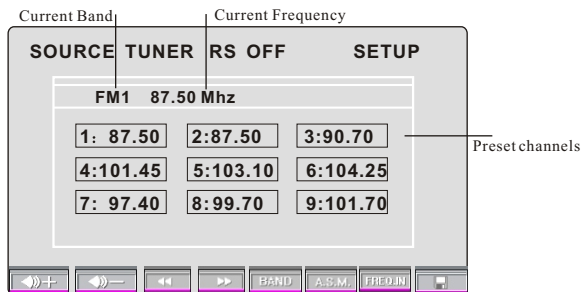
#### 6、 Sub\_title select

Touch the  button and touch the  to selecting sub\_title.

## RADIO



Touch SRC two times or  
Touch the TUNER on the touch  
screen to select the band for radio



### Brand Selecting

- 1、press **BAND** repeatedly to select the band
- 2、touch the current frequency area directly to change the frequency: screen waveband will show in turn :  
FM1—FM2—AM

transfer memory broadcasting station:

- 1、select by digital key in remote control
- 2、Touch the **FREQ/JN** saving broadcasting station by touching the screen directly

### Fine Frequency

- :
- 1、move the menu select key **←** **→** in remote control.
  - 2、touch the screen directly

### Advanced operation

#### 1、Manual research

Press menu control key **←** **→** for two seconds in the remote control( or touch the Semiautomatic search area in the screen), the machine will automatically search from current frequency until a TV channel is found and the actual frequency can be shown at present.

#### 2、Fully automatic search

Touch screen ASM area, the machine will begin searching for channels from the frequency of 98.50MHz until the memory unit is filled (eighteen channels)or the highest frequency of 101.70MHz is arrived.

#### 3、Manual storage

A、When the optimum frequency is finely tuned to, the displayed image will begin to flash,choose the storage location By **←** **→** , and use remote control **ENTER** to storage present frequency at the chosen channel.

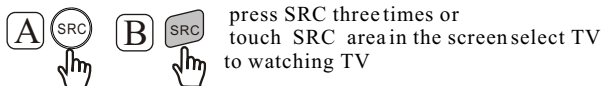
B、Touch current frequency directly,the current frequency will get glittering and become red color, choose the storage location by touching it and touch the current frequency, then the current frequency will stop glittering and memory.

C、Touch the **FREQ/JN** and choose the storage location by the current frequency will memory,then exit it.

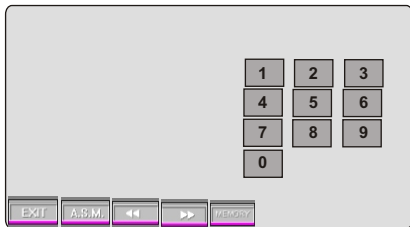
### Notices:

- 1、Auto seeking mode,press every button to stop seeking.
- 2、you can store to 27channel, FM andFM1can store 9 channels respectively.
- 3、Do not press another button or doing other operation when the manual saving showing item getting glittering.

## TV receiving



Press ADVANCE function touching area in the monitor, there will be showing following operation interface:



### 1、 Automatic research (TUNE)

Choose TUNE from touch screen, system will fine tuning from VLF-VHF-UHF channel, and memory all founded channel automatic, 100 channel can be memory, press any key or touch any available position in the touch screen can exit form researching.

#### Precautions:

- 1、 At most 100 channels can be stored in this machine.
- 2、 If the receiving effect is bad, check the connection of antenna.
- 3、 If the bad effect is caused by weak signal or high-speed driving, it does not mean something is wrong with this machine.

### 2、 Preset channels

Operate by remote control buttons in the host Or open the TV function menu in touch screen to touch CH+ or CH- to select last channel or next channel. When the channel number is the maximum one, the system will change to the minimum channel. Input numbers to select channel. If the first number is input and there is no further input for 2s, the system will seek channel corresponding to the first number.

### 3、 Fine tuning

Touch or Move the joystick towards left and right on the host or press menu select button on the remote commander to fine tune the current channel.

### 4、 Move saving

Touch or press the button, show “search under way .....” use the number on the touch hold (remote control the channel choice key) choose the position that needs to be save, press (or remote control ).

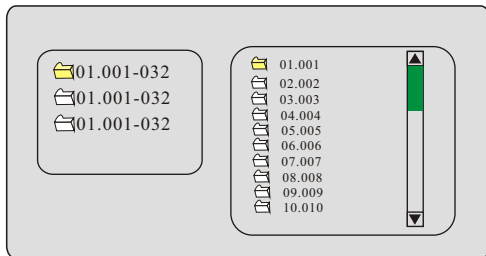
### 5、 Dub system

PAL system contain PAL (DK I BG) dub tone function, and for SECAM system is with SECAM DK BG dub tone functions, those dub tone function is unavailable when it is in NTSC system.

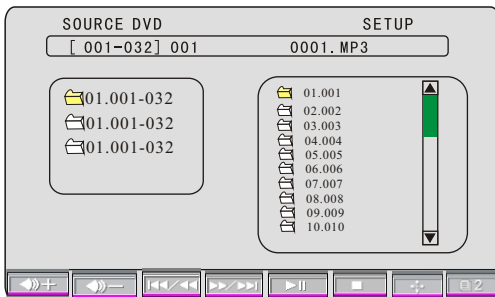







## MP3 playing

Play the mp3 in the appointed folder, insert the efficient mps disk into the loading slot directly, the screen display as following:



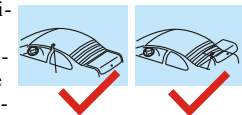
Touching screen, it display like following :



1. Touch the  button, use the direction button to move the finger to the appointed folder, then also use the direction button to select the file in the folder, touch OK to PLAY.
2. Touch  previous one and Next one. 
3. Touch  stop playing.
4. Touch  enter another functional interface such as DVD.

## GPS Navigated to need understand before use

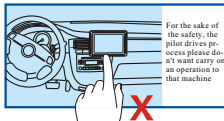
- ⚠ Please confirm to GPS link exactitude with the satellite antenna. While just switching on, the satellite antenna wanted to receive the satellite signal and renewed an internal information, as long as waited a short moment slightly and can immediately enter a normal work appearance.



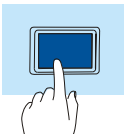
- ⚠ Please confirm the vehicle place position isn't the district that the influence signals, such as "the bridge descend", "tunnel in" and "high and big building neighborhood"...etc. Receive.



- ⚠ The pilot should complete the enactment toward that machine or be carried on an operation by the passenger in advance, the safe usage is the initial problem that guarantees pilot, passenger and the others Human body safety.

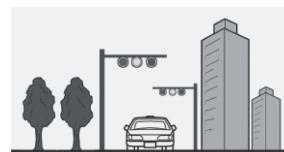


- ⚠ This product operation can pass a touch to hold expediently up touch the key or remote control to carry out, concrete operation the method is decide by the multi-media images and sounds host.



## 1 MAP

Because the city of the our country construction and the city country highway transportation development quick, the traffic control information and the transportation facilities of the city street change continuously. Our company will keep on renewal to navigate the electronics map, and release in time. Ask the renewal information that you keep in mind toward the understanding of the dealer or our company to navigate the electronics map. Because the traffic regulations variety or temporary road control, guide line of route may and the spot of the traffic control circumstance in conformity, please basis actual road condition, traffic control and traffic regulations driver. Also hope you can in time to our feedback related information, our company will revise the system information in time, letting us be able to serve large customer betterly.



## 2 Navigate

Because solid hour the situation on road sometimes appears or many or change littlely, program of navigate path to provide a pilot a reference only. Foreexample: The path that the region that the pilot is acquaint with chooses by oneself may be more more in keeping with than the path of the programming to drive a circumstance physically.



## 3 Temperature

The normal work environment temperature scope BE-10 °C s +55 °C s; Outrun scope, the machine can work normally. Under this kind of circumstance please wait for temperature recover to the normal work scope, the machine can immediately use normally.



#### 4 Vibration

This product avoided to flap a design exclusively, normal driver should will not be subjected to the influence that the vehicle vibrate. For normal work promised the product stabilizes over a long period of time, the top of the worse road conditions should avoid open or use as far as possible in the situation on road.



#### 5 Satellite signal receive

This model can keep signal of receive more than 8 satellites. Under general circumstance, the signal that need to receive to 3-4 satellites, "this model can compute an accurate position of vehicle place accurately. But sometimes because of the weather reason or receive the influence signal under the influence of the many-storied building of the city result.

#### 6 Error margin

In the satellite signal receive under normal circumstance, the satellite of the standard fixed position the system error margin is about 7 meters.

At the parallel road segment the north bound drive, even passing this product to rectify function automatically may also appear deviation. Drive the road possibility and map to get on the car a position incompleteness of marking physically at this time consistent, even may show at vehicle with drive close by equal road of road physically up.

The following environment will influence the satellite signal to receive normally, the creation error margin:



#### The sea quantity geography information



Sea quantity the geography information this machine navigate an ability with inspection arrive of the destination information quantity for the tallest index sign. This product ground thing information is abundant, can satisfy your daily usage completely.

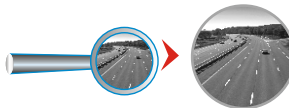
The information orders a classification-overlay various professions, cover government organ, the research hospital, the dining amusement, guest house hotel, the transportation service, travel beauty spot etc. many big types or medium type.

#### The road attribute of the integrity



The road attribute of the integrity-separate the column condition, transportation mark line, the street corner type and list to go, forbid to go to all roads etc., the traffic control information records completely.

#### The convenience browse



Support many classes to zoom quickly, the convenience browse.

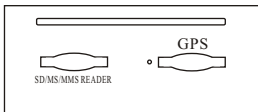
## Navigate operation

For making you is better navigate the operation result, ask a performance to operate as follows:

- 1、 First navigate card to take out:
- 2、 Again the host conjunction like navigate a box after, press to press NAVI to navigate a key, again hint touch “OK” key according to the screen or press press the remote control "ENTER" key.
- 3、 The touch "options" or pass the remote control direction key choice "options" to press "ENTER" key again.
- 3.1 Touch "screen adjust" or pass the remote control direction key choice "the screen adjust" key, the system enters a touch to hold to correct a constitution, the usage touch function or the remote control direction key choice and adjust menu to correspond part, make the appearance be placed in manifestation to hold of just central position, adjust a good impress again touch "OK" key or remote control "ENTER" the key withdraw the screen adjustment constitution.
- 3.2 The touch "touch hold to correct" or pass the remote control direction key choice "the touch hold to correct" key, the system enters a touch to hold to correct a constitution, growing to press touch to hold to apply red "+" marking, follow a touch red "+" go to "OK", touch to hold to correct completion, touch again "OK" key to withdraw touch to hold to correct a constitution.

### 4 Navigate a constitution

Insert GPS card, touch "navigate a constitution" or pass the remote control direction key choice "navigate a constitution", the system enters to navigate a constitution, customer can according to navigate the position that the software save to carry on search, find out you to want of navigate software, touch again "OK" or the remote control "ENTER" key.



### Attention:

"Start circulate to navigate software automatically" this function can according to the customer need oneself choice, the general system recognizes tacitly for "OK" .

If enter to navigate appear black hold phenomenon, please press the side of the GPS slot again to reset key afresh.

### 5 Start navigate

The touch "navigate" or passes to press to press the front-panel "NAVI" key, the system enters a start to navigate the work mode, entering to navigate appearance automatically.

#### A. Establish point of departure

The constitution method of the point of departure and the constitution method homology of the destination, just the interface has a little bit a dissimilarity up, under general circumstance as long as receive to the signal, will chase your vehicle to recognize tacitly for the point of departure the position of the place now, do not need to establish again point of departure.

#### B. Establish destination


The system provides three kinds of methods into the constitution destination interface totally:

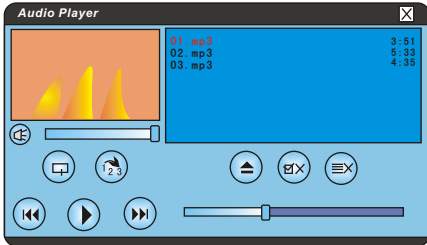
- 1\the system enters the interface of "the constitution destination" automatically after start;
- 2\click "menu" button in the interface;
- 3\from establish the interface that the route interface enters to establish destination.


#### C. Navigate

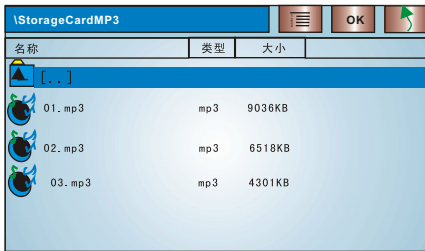
Suppose and can receive to the GPS signal at present, the touch "start navigate" button, system will according to recognize tacitly of the recommendation programming route carry on navigate, you as long as hint in the speech under control and then go easily.











# Music player operate

Touch  the screen runs as follow:



Touch  the document that opens music that you deposit clip, the screen run as follow:



- 1, touch  starts broadcast music that you choose, again shortpress a pause to broadcast;
- 2, touch  one song on the choice;
- 3, touch  choose a next song;
- 4, touch  the button broadcasts a current song circularly;
- 5, touch  the button broadcasts several songs that you choose circularly;
- 6, touch  the button deletes a current song;
- 7, touch  the button is pure to get empty all songs;
- 8, touch  the button is to confirm key;
- 9, touch  the button returns up one layer;
- 10, touch  the button chooses all songs, pressing OK again and then increase all songs to broadcast row form.

## Bluetooth Operation

This system provides a bluetooth to don't need to lift the communication function, if your cellular phone has bluetooth function, can and this system establishment to the conjunction for order, and can realization a telephone to stir number on the screen, connect to hear etc. function, the concrete operation is as follows:

Touch the holds upper right  button, touch again  button, manifestation, such as figure, operate interface such as picture 1:



### 1、Open bluetooth function:

Enter the inside of the constitution menu of the main course list, establish "AUTO ANSWER" function in order to "ON", "CONNECT" the function constitution is a "AUTO", "BLUETOOTH" function constitution for "ON". Invite bluetooth function of open your cellular phone in the meantime.



Picture 1

### 2、Pairing:


Touch the bluetooth diagram mark on the system main course list, enter the bluetooth mode interface, touch  button, touch again  button, the manifestation hold and then will appear "start pairing", such as picture 2, open a cellphone to search new equipments function in the meantime, being the system and cellular phone will hint the cellular phone "whether and that equipments conjunction" after making the signal contact, the cellular phone choice is to lose also into a password 1,2,3,4 confirm, after the system and cellular phone set up the chain success, the blue tooth diagram mark of the system screen will become green (such as picture 3), otherwise please heavy try, keep to the chain to connect success.



Picture 2







Picture 3

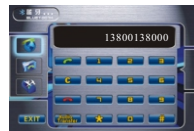
3、When the manifestation "form couples success" after, and succeed to build up the conjunction (the bluetooth diagram mark become green) touch , Show that is 4 interfaces such as picture, you can stir to beat or connect to hear a telephone through this machine easily at this time, and can appreciate the cellular phone music (demand cellular phone support the A2DP function), the A2DPs the green marking change into a white. (the concrete operation picture 4) note: A2DP is [Advance Audio Distribution Profile] Be also "blue tooth the high fidelity news deliver a pact", the A2DPs are bluetooth functions of a kind of, can let two devices that supports blue tooth sound effect to deliver, for example the cell phone and wireless double ears headphones, use a blue tooth conjunction each other, and own the result of music stereo.



Picture 4



### 4、Call phone:


Touch the  button enters to call phone, you can pass the numerical button stroke telephone NO. of the screen, can also pass a cellular phone to stir to take number directly, touch  the empress of the button, the system turns the speech of the cellular phone into a car to carry the loud-speaker system, you can pass the language voice that the trumpet in the automobile hears stir the number sound and the other party. Converse to complete, touch the  button or hang machine through a cellular phone directly then, converse process in, touch the  button can make the converse speech carry of the loud-speaker and cellular phone to carry on cut over in the car, promote your converse information safety. (picture 5)



Picture 5

## 5、 Received to hear telephone:

When the exterior has a telephone to beat in to come, the system will select to the bluetooth to don't need to lift the function interface automatically, and will originally mode broadcast the voice turn telephone bell ring, if connect to hear a constitution "ON" for the AUTO ANSWER, the system will connect to talk on the phone automatically, if connect to hear the constitution as auto should "OFF", touch interface  or  the button choice connects to hear or refuse.




In the phone connection process, touch  the button can make the converse speech carry of the loudspeaker and cellular phone to carry on select in the car, promise your converse information safety.

Telephone the number will show at the information frame in such as.(picture 6)



Picture 6

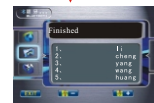
## 6、 Phonebook function (need a cellular phone support)

System inside provided a phonebook function, can the telephone in the cellular phonebook the information download to the search in the system an usage, also can cellular phone in of have dialed call, have received call and don't answer the phone record to download to provide a search and stir to beat an operation in the system. Can into a touch after entering a telephone originally    the button carries on turning over page to look into a telephone in front and back originally number.

(Note: the page is the most to show 5 telephones each time)



Picture 7



Picture 8

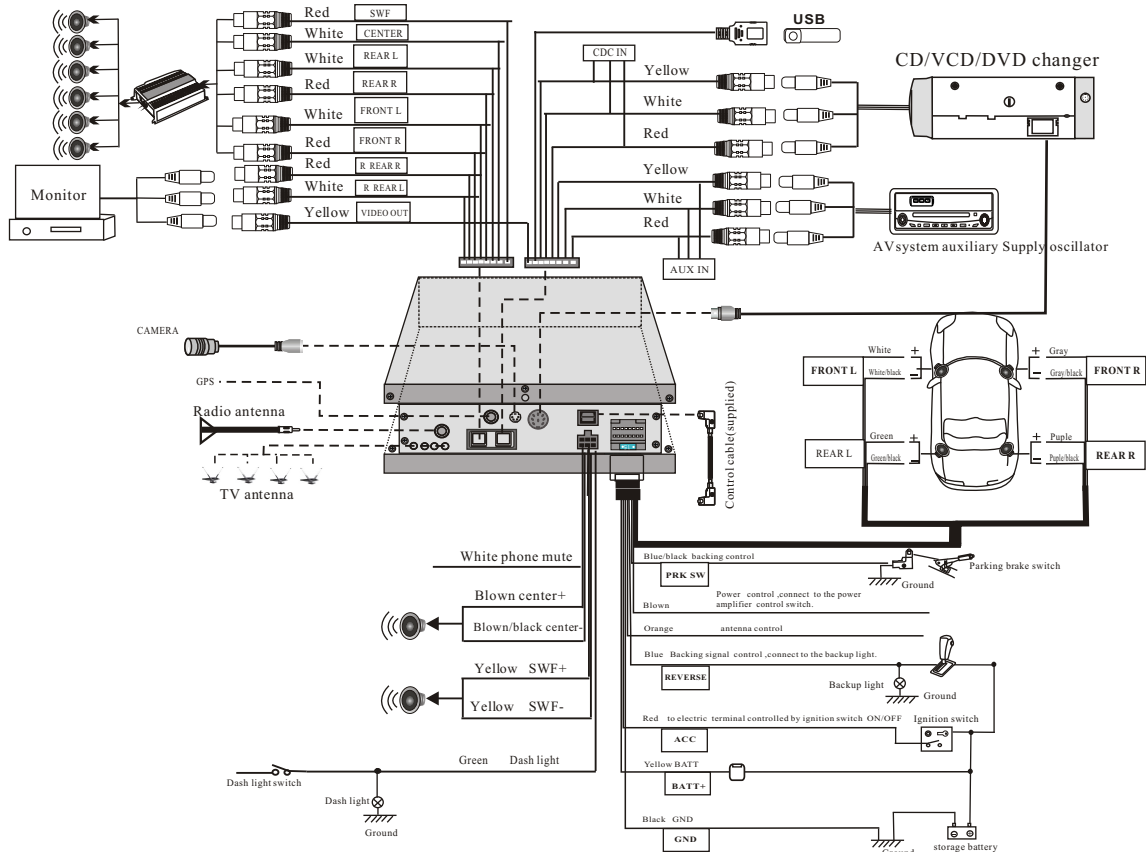
Note: When the conjunction ascends a blue tooth after, establish the A2DPs as auto, if When the A2DP signal correspond, the system transfers to the A2 DP automatically, if the A2DP the constitution is an OFF, the system will refuse to receive A2DPses automatically.

Note: because the originally bluetooth module hasn't yet installed Chinese word database, temporarily the record information that support English, understand please!!

Note: Because each brand cellular phone adoption of the blue tooth module dissimilarity and the difference of the software, at actual usage process in the middle some functions may have difference, even can't and permit, understand please!!

If meet the operation difficulty to please to wire the after-sales service center consultation.

# Connection





## Malfunction Eliminating

Problems	Possible reasons	Measures (advices)
The disk cannot be played	Bad turnoff, or the disk has been damaged.	Replace it with a better one
Display parent locking can't be played	Parent locking function is turned on	Close this function or degrade its level
Can not switch languages or captions	Current disk does not have multi-languages	Cannot switch languages
No caption	You can only switch between items displayed	Use disk menu to switch
	Current DVD disk does not have	Unable to display caption
No caption	You can only switch between items displayed	Use disk menu to switch
	Current DVD disk does not have	Unable to display caption
Does not play in the language and caption set in DVD SETUP MENU	Current disk does not have the language or caption set in DVD SETUP MENU	Unable to play this way
Unable to switch the view angle	Current disk does not have multi-angle scenes	Unable to switch between different angles because there is no such angles.
The pictures are extremely obscure, distorted and blurred	You try to switch between different angles, but there is no recorded multi-angle scenes.	Use switch when the disk has multi-angle scenes
	The disk has anti-copy information. (some disks have this function)	This machine is compatible with anti-copy system, but there may be some parallel lines or other things while playing, this does not mean a problem of this machine.

## Malfunction Eliminating

Problems	Possible reasons	Measures (advices)
Can't be switched on, unable to use the machine.	Incorrect connection of down-lead and linker.	Make sure all connections are correct
	Fuses melted	Find out the reason, and replace the fuse of the same specifications
	Noises or other factors make interior micro-process or unable to work well	Press RESET to restore the machine to its initial setup
Can't use remote controller. The machine refuses to work even the remote is correctly used.	Insufficient battery power. Some operations are prohibited in certain circumstances.	Insert new battery
		Enter correct circumstances
Cannot be played	Disks are dirty	Clean the disks
	Disks used not suitable to this machine	Check the disk types
	The Video system of the disk incompatible to the machine.	Change another disk which is compatible to your video system.
No sound	Incorrect linking of cables	Link the cables correctly.
The volume does not increase	The machine is in MUTE state, or slow-motion or playing frame by frame	In such kind of situations, no sound output.
Certain speaker cannot output sound	Incorrect setup of sound fields	Setup sound fields correctly
No pictures, or display PIC OFF	Hand-brake line not linked hand-brake not opened.	Link hand-brake line, and open it.
When the power switch is turned to ON or ACC, the motor sound.	The machine checking the disk	Normal function.

## Specifications

**Power source:** 13.8V DC(10.8-14.5V lowable)  
**Grounding system:** negative type  
**Unit:**  
**Max current consumption:** 15A  
**Dimensions(W\*H\*D):** 197\*177\*50mm  
**Weight:** 2.4kg

**Display**  
**Screen size:** 6.5inch  
**Aspect ratio:** 16:9  
**Effective display area:** 143\*79mm  
**Pixels:** 280,800(1,200\*234)  
**Type:** TFT active matrix  
**TV:** Compatible  
**Operating temperature range:** -20~+70°C  
**Storage temperature range:** -30~+80°C  
**Angle adjustment:** 0~105°

**Audio**  
**Maximum power output:** 45W\*6  
**Load impedance:** 4Ω (4-8Ω lowable)  
**Preout max output level /output impedance:** 2.0V/200Ω

**FM tuner**  
**Frequency range:** 87.0~108.0MHz  
**Usable sensitivity:** 10dB(S/N:30 dB)  
**AM tuner**  
**Frequency range:** 531~1602KHz(9KHz)  
**Usable sensitivity:** 30 dB(S/N: 20 dB)

**DVD player**  
**System:** DVD Audio, DVD Video, VCD, CD and MP3system  
**Usable discs:** DVD Audio, DVD Video, VCD, CD (stereo), digital 6ch  
**Number of channels:**  
**Disc changer(CDC/DVDC)**  
**CDC changer:** DP88,VCD10,VCH1000  
**DVD changer:** DVP-680 (6-disc DVD Changer,special connection)

## Case inventory

Sequence Number	Name	Quantity	Remark
1	Host	1	
2	Remote Control	1	Battery
3	Power Cable	1	
4	Host outer battle	1	One Set
5	Manual	1	

Specifications subject to change without notice.