DOUBLE DIN CAR DVD SYSTEM

INSTRUCTION MANUAL

RAM Platform V1.0

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INSTRUCTIONS

WELCOME

Thanks for using our digital car AV product series

To properly use this product, please read this manual carefully, and keep it for future reference

WARNING

1. Please keep the disc slot clean, wipe it off when there is some dirty. Please wipe off the dirty on the disc before slot into the unit. If the dirty goes into the unit with disc, it will lead the unit to slow slot or can not read disc. In fact, that is not quality problem. Please get professional staff to clean it.

2. Long time working at high volume will influence the life of the unit. To protect it, please turn down the volume when long time use

3. This unit is assembled by precise parts, Please do not try to open it or change any parts inside the unit.

4. Please do not touch LCD display by hard object to protect it from scratch.

5. To avoid any accident, driver should not watch the display when driving, If needed, please park the car before operation

6. This unit is designed for 12V negative grounding system, please do not connect it directly to 24V or higher power sources.

7. If any malfunctions which you can not find a solution, please refer to the chapter of "TROUBLE SHOOTING" or press "RESET"button to resume to initial settings

Note: We are keeping improving this product, if any improvement, please forgive us not to notice in advance.

Precaution before installation

1. Professional staff is required to install this unit.

2. If you try to install it by yourself, please follow the installation instruction and wiring diagram. Improper installation may burn the unit.

3. Before installation, please switch off the engine and take the key out. Otherwise, it may cause the battery leakage or short circuit

4. Be sure not to damage the wires or electrical parts inside the car when installation, otherwise, it may cause fires.

5. Please bind up the joint of wires well to avoid short circuit or burning the unit.

MENU ILLUSTRATION

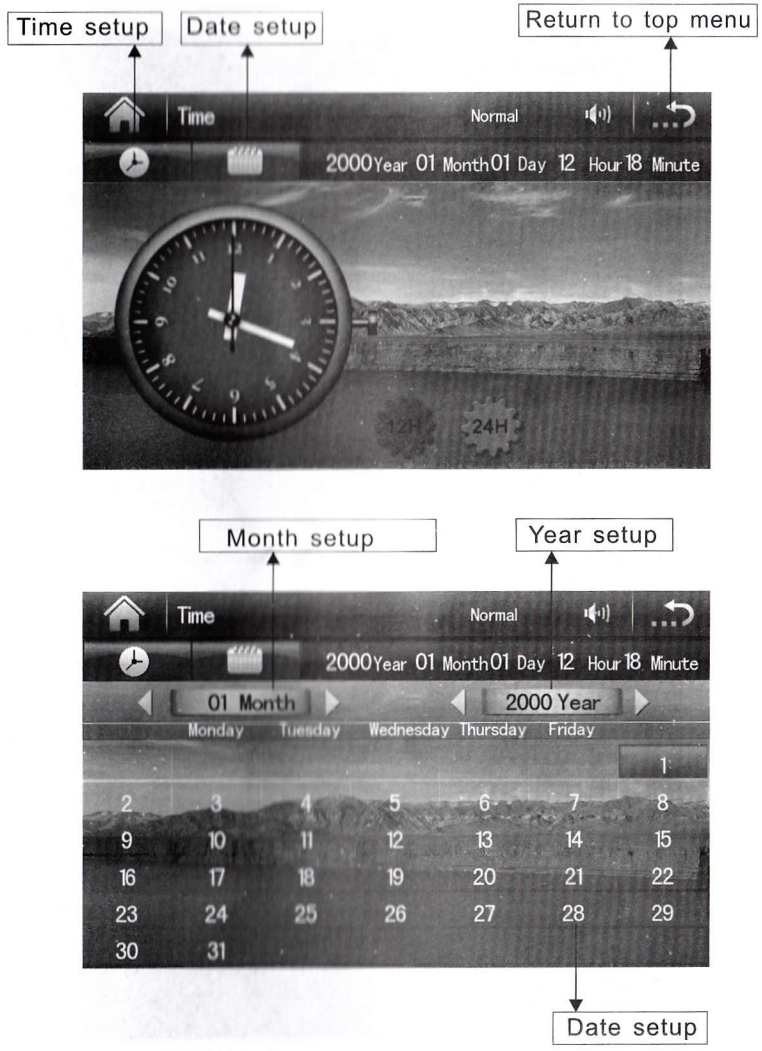
1. Top Menu

The operation system allows users to change desired background, and drag icons for personalized operation.

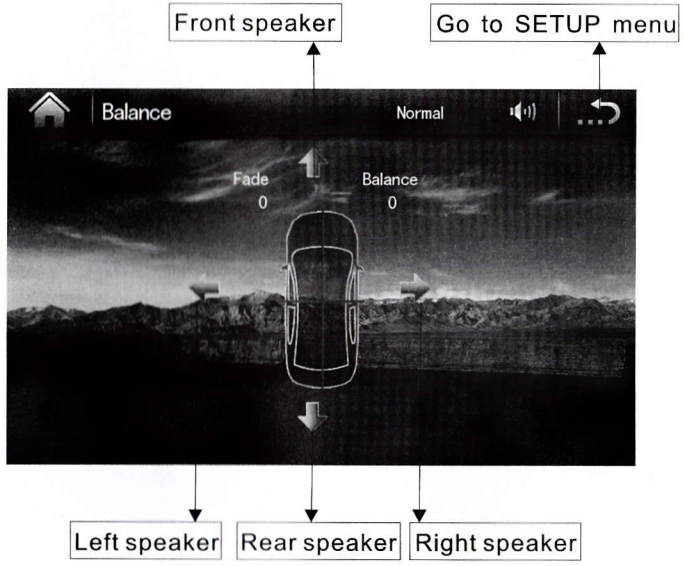
MENU ILLUSTRATION

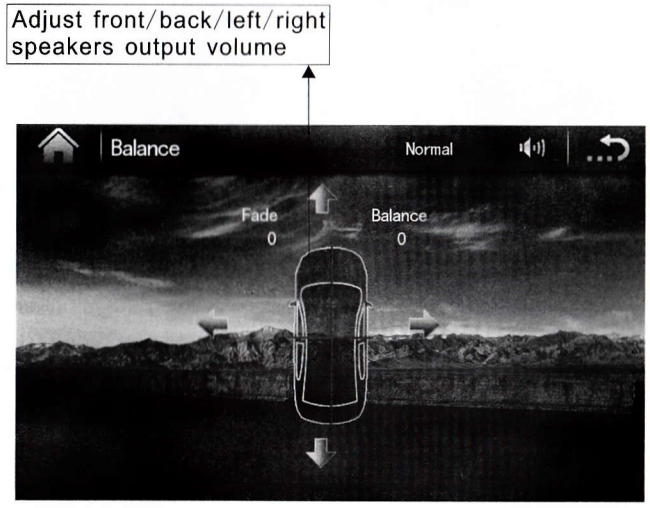
Time Setup Menu

Time setting: Take out the watch springs and drag the clock hands to the correct time. Users can select 12 or 24 hour time system.

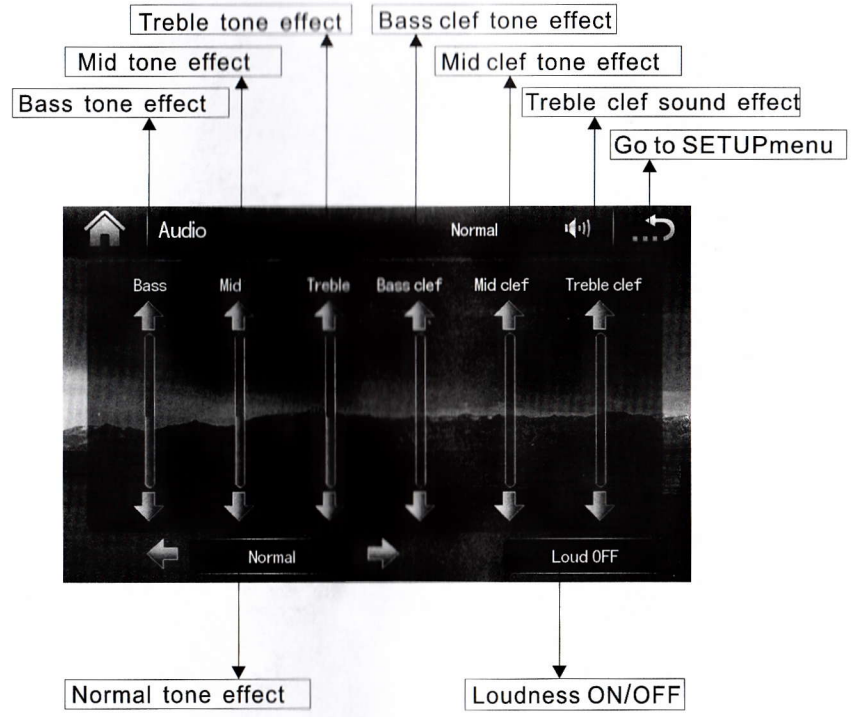


AUDIO Setup Menu

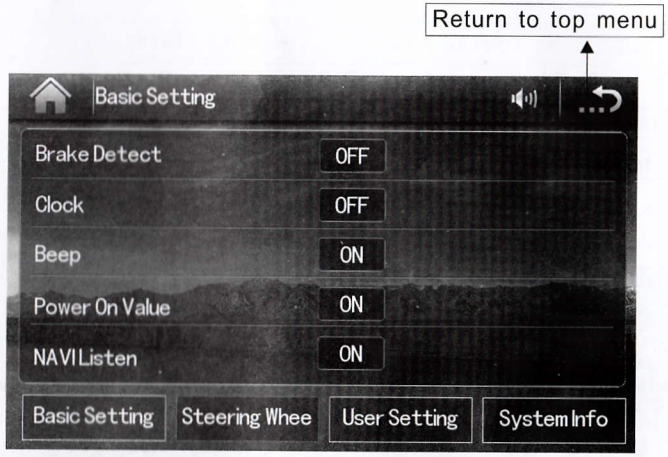


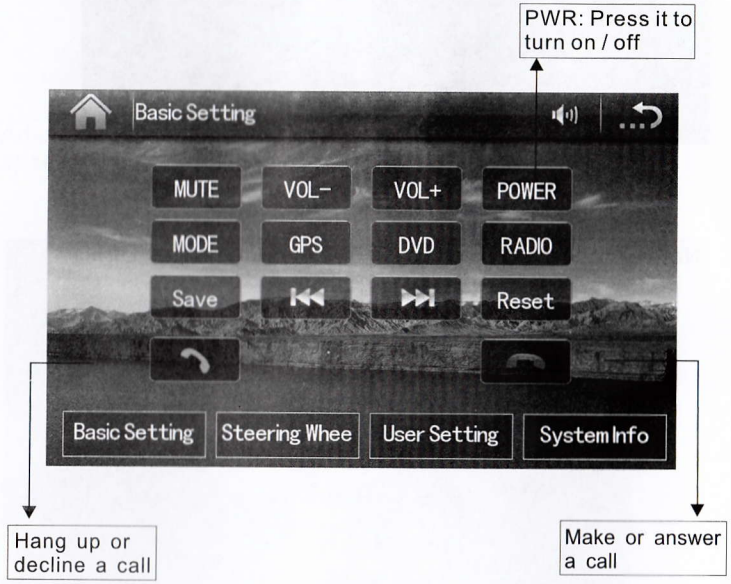


AUDIO Setup Menu

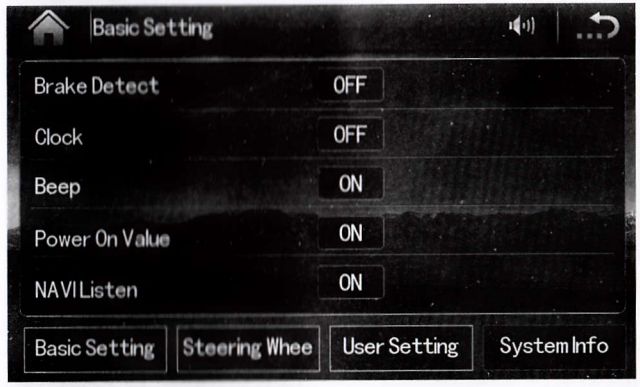


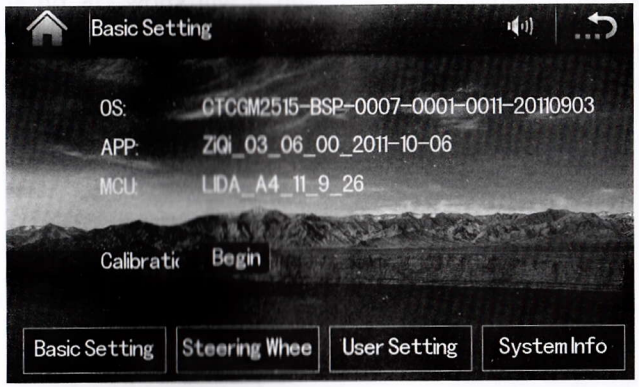
System basic setup



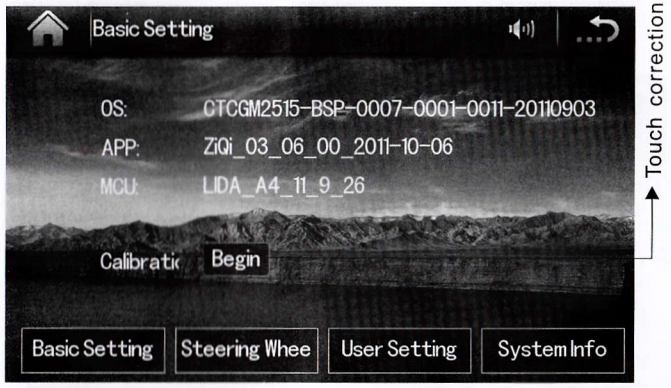


System basic setup





System basic setup



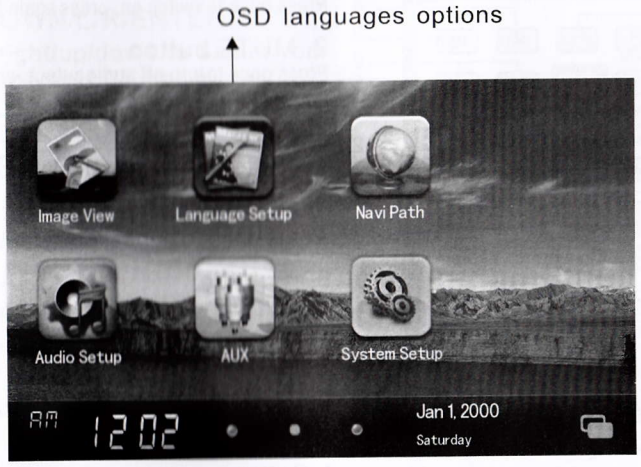
Click " + " key to enter screen calibration setup menu

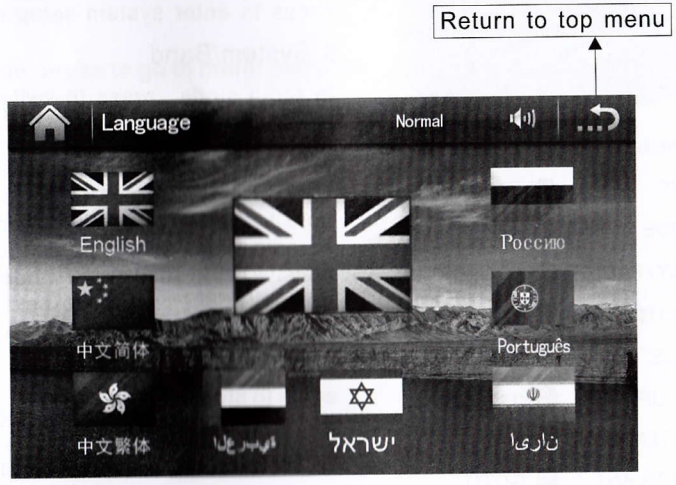
Refer to indication of following pictures. Hold the icon in center, till it moves to left-top corner. Then hold it and move to left-bottom, right bottom, right-top corner in sequence. If calibration is not succeeded, it will start from beginning. If succeed, it will show OK on screen, press OK to store the calibration and exit. If a new calibration is finished successfully, it will be memorized by the system and will not lose even power cutting down. The unit is already calibrated before ex-factory.

(a) (b) (c)

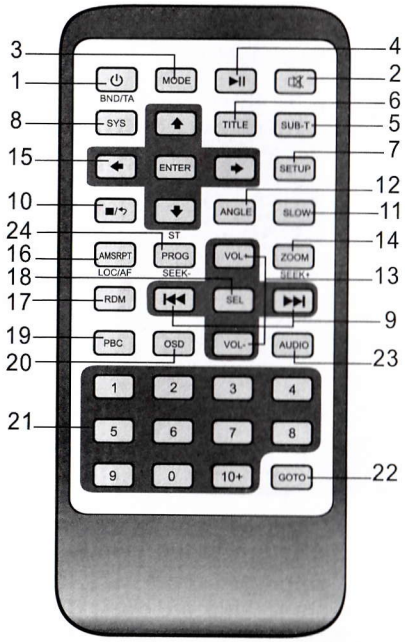
(d) (e) (f)

System language setup





Remote Control Illustration



1. POWER ON/OFF
2. MUTE
3. MODE
4. PLAY/PAUSE
5. SUBTITLE
6. TITLE
7. SETUP
8. SYSTEM/BAND
9. NEXT/LAST
10. STOP
11. SLOW PLAY
12. ANGLE
13. VOL+/VOL-
14. ZOOM
15. UP/DOWN/L/R/ENTER
16. REPEAT PLAY
17. LOC/AF
18. SEL
19. PBC
20. OSD
21. 0-10+
22. GOTO
23. AUDIO
24. PROG

1. POWER
Press once to switch on, press again to switch off.

2. MUTE button
Press once to turn off audio output, press again to resume volume level.

3. Mode button
Press to switch playback sources

4. Play/Pause
Press once to pause, press again to resume

5. Subtitle
In DVD mode, press this button to switch the subtitle language.

6. Title
Press to show all titles included in current disc

7. Setup
Press to enter system setup menu

8. System/Band
In radio mode, press to switch the bands. In DVD mode, press to switch the color system

9. Next/Last buttons
In DVD mode, press to go to last/next track, hold it to fast playback backward/forward.
In radio mode, shortly press to scan manually, hold it to auto scan. In TV mode, hold to scan manually, press it to go next/last channel.

10. Stop
In DVD mode, press once to prestop, press again to stop playback

11. Slow
In DVD mode, press to slow playback

12. Angle
In DVD mode, press to change angle.

13. Vol+/Vol-
Increase/reduce the volume

14. Zoom
Zoom in/out images

15. UP/DOWN/L/R/ENTER
Press left/right/up/down to select your desired item, press Enter to confirm

16. AMS/Repeat
In DVD mode, press to repeat playback.
In radio mode, press to browse the preset stations, hold it to auto scan. In TV mode, press to auto scan.

17. LOC/AF button
In radio mode, press to open or shut "Local" function. In DVD mode, press to play randomly.

18. SEL
Press to change value of VOL, BAS, TRE, BAL, FAD,

19. PBC
In DVD mode, press to go to menu playback.

20. OSD
In DVD mode, press to show the information of current disc

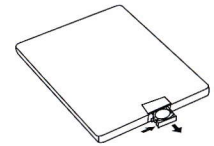
21. 0-10+
In TV and radio mode, press to select corresponding channel. In DVD mode, working with "Enter" button to select your desired track

22. Goto
In DVD mode, working with number buttons and 'Enter" button to play your desired chapter

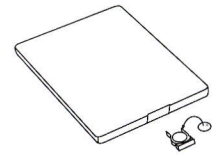
23. Audio
In TV mode, press to switch audio system. In DVD mode, press to switch audio outputs

24. PROG
In radio mode, press to open or shut "Stereo" output. In TV mode, press to switch audio system. In DVD mode, press to program playback.

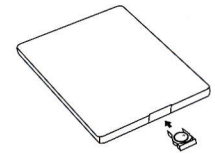
Pull out the battery holder, and take out the old battery



Load new battery into the holder



Put battery holder into the control

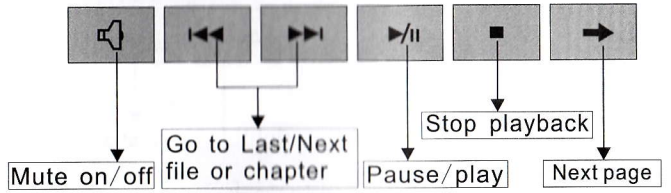


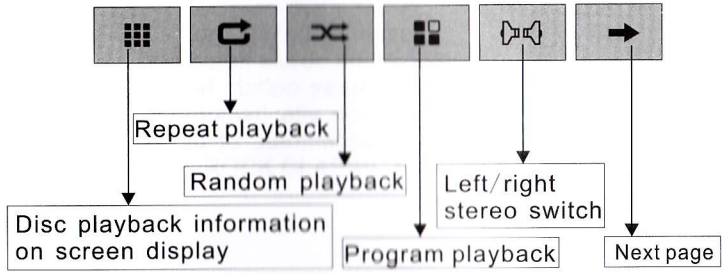
LOADING

LOADING

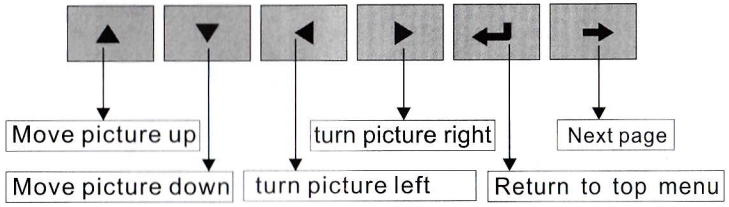
Note: When reading a disc, the touch screen operation will not work.

Disc Playback Operation On Touch Screen

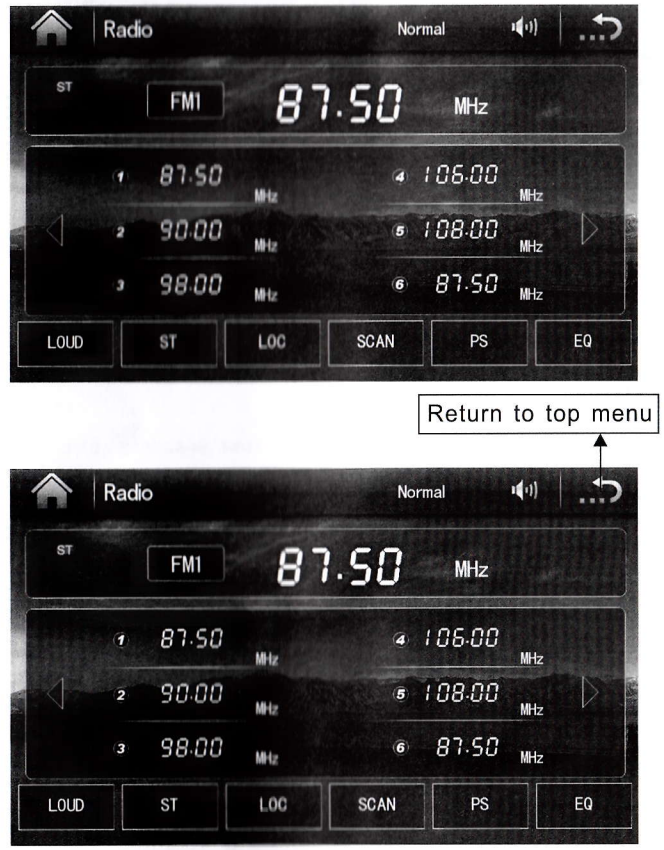




Disc Playback Operation On Touch Screen



Radio Operation On Display

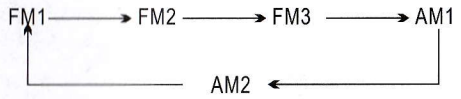


LOUD : Turn on/off loudness
ST : Turn on/off stereo audio output
LOC : Local station search ON/OFF
SCAN : Automatically scan stations
APS: Hold to automatically search stations and store in the unit.
EQ : POP; ROCK CLASSIC tone effect selection

Radio Operation

1. Band Selection

In radio mode, press BND button on remote control or touch "Band" on the screen to switch the band, the sequence is as follows:



2. Frequency Adjustment

Press ▶▶| on remote control or on display, frequency will increase by step till you get your desired station.

Press |◀◀ on remote control or on display, frequency will decrease by step till you get your desired station

Auto Search Stations

Hold▶▶|/ |◀◀ key on remote control or on display, it will automatically search stations, once a station is searched, the unit will stop to play it.

3. Browse /Auto search and store station

1) In radio mode, press APS button on remote control or touch panel to browse preset stations in P1-P6.

2) In radio mode, hold APS button on remote control or touch panel to auto search within the whole band, and store the searched stations in P1-P6.

3) There are five bands for this unit(FM1, FM2, FM3, AM1, AM2), each band can store 6 stations, totally 30 stations can be preset.

Note: After presetting stations, it will cover the stations stored before.

4. Mono/Stereo Selection

In radio mode, press ST on remote control or ⓞ on touch panel to turn on/off Stereo.

Note: ST function is only for FM bands, when you select ST, it will display ST on the screen.

5. Manual preset and store stations

In radio mode, hold 1-6 button on remote control, or 1-6 grid on the touch panel to store current station to corresponding channel. For example, if the current frequence is 89.8 MHz, hold number 2 to store it into the channel 2.

DVD BASIC OPERATIONS (Please refer to Pic 10 Pic 11)

When loading a disc into the unit, it will read the disc automatically. If there is a disc inside, press ⏻ button to switch to DVD mode.

1. PAUSE

When playing a disc, press▶II key on remote control or touch panel to pause, press again to cancel

2. Stop

When playing a disc, press■ key on remote control or touch panel to stop playback. Press▶II key to play from beginning.

3. Fast forward/backward playback

When playing a disc, hold ▶▶|/|◀◀ key to fast forward/rewind playback in ration of 2, 4, 8,20 times of normal speed.

4. Next/Last

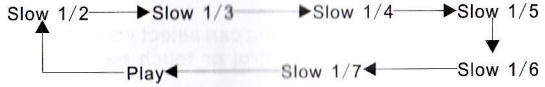
When playing disc, press▶▶|/ |◀◀ key on remote control or touch panel to go to next or last track.

5. Color System

When playing a disc, press the BND/TA button on the remote control to switch the color system between NTSC, PAL and AUTO.

6. Slow playback

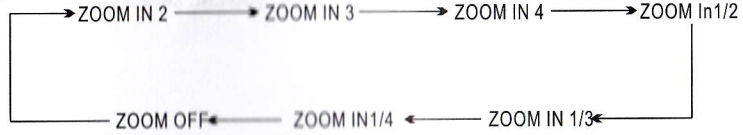
Press SLOW button on remote control to slow playback, the ration sequence is as follow:



Note: This function can be only worked by remote control

7. Zoom in/Zoom out

Press ZOOM button on remote control to zoom in/out the image, the ration sequence is as follow:



Note:

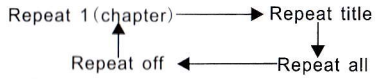
1. Zoomed-in images can be moved left/right/up/down
2. Zoomed-out images can not be moved

8. OSD

Press OSD button on the remote control when reading a disc, it will display information of current disc.

9. Repeat

When playing a disc, press AMS/RPT button on the remote control to start repeat playback function. The sequence is as follows



10. Angle switch

If the DVD is burnt with multi angles, you can select playback angle by ANGLE button The sequence is as follow:

ANGLE1 ⟶ ANGLE2 ⟶ ANGLE3

Note:

1. It is only for discs burnt with multi angles
2. there is a mark on the cover of multi angle discs, the number on the mark means how many angles available for the disc.
3. You can not switch angles when slow playback.

11. Multi-audio Languages

If the DVD disc is burnt with multi-audio languages, you can select your desired audio languages by pressing AUDIO button on remote control or touch panel

Note:

1. It is only for disc burnt by multi-audio languages.
2. If there is a ② mark on the cover of disc, it means there are 2 audio languages for the disc.

12. Multi-subtitle Languages

If the DVD disc is burnt with multi-subtitle languages, you can select your desired languages when playing by pressing SUBTITLE button.

Note:

1. It can be only worked by remote control.
2. It is only for disc burnt with multi-subtitle languages.
3. If there is a 2 sign on the cover of the disc, it means there are 2 subtitle languages for your selection

13. Title

When reading a disc, press TITLE button on the remote control or touch panel to enter the disc title, it will show all titles included in the disc, you can touch your desired title to play it.

14. Setup

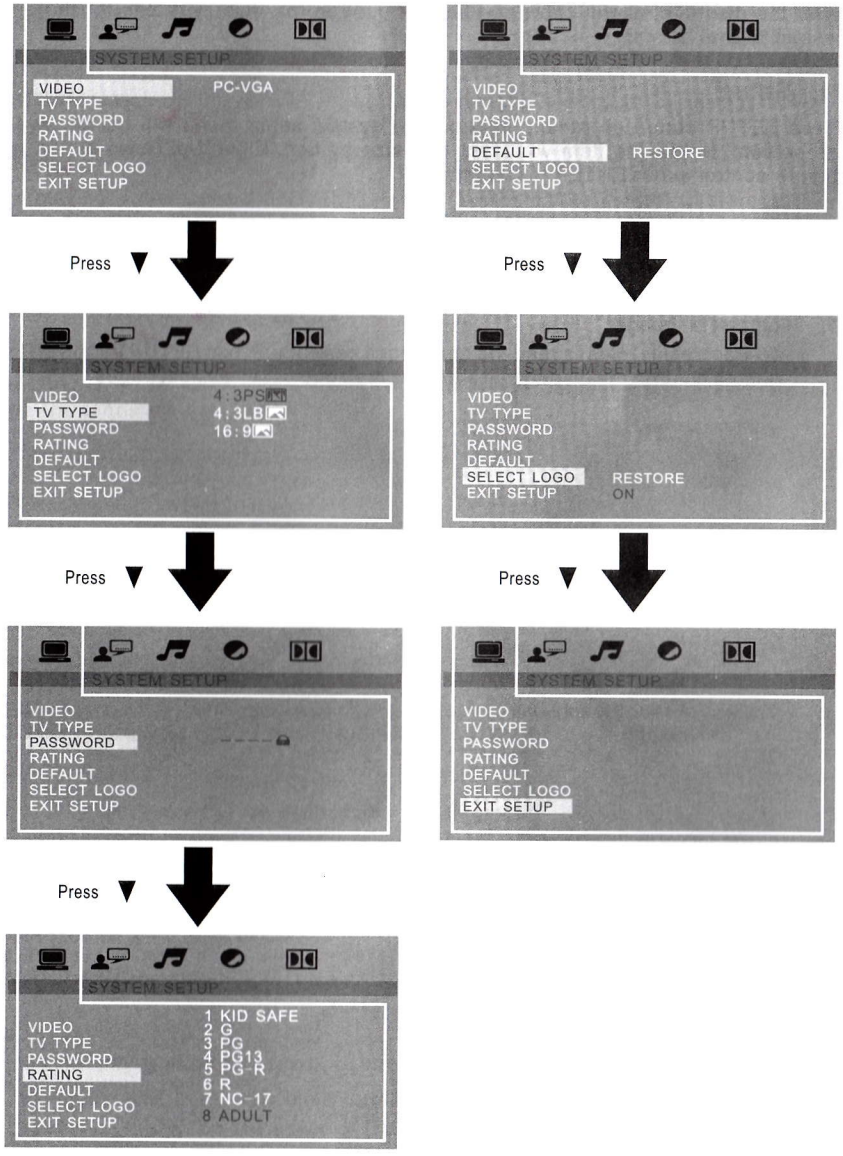
Press SETUP button on remote control, the system setup menu will be displayed on the screen. Select the item you want to revise by Left/Right/Up/Down button on remote control, press ENTER to confirm.

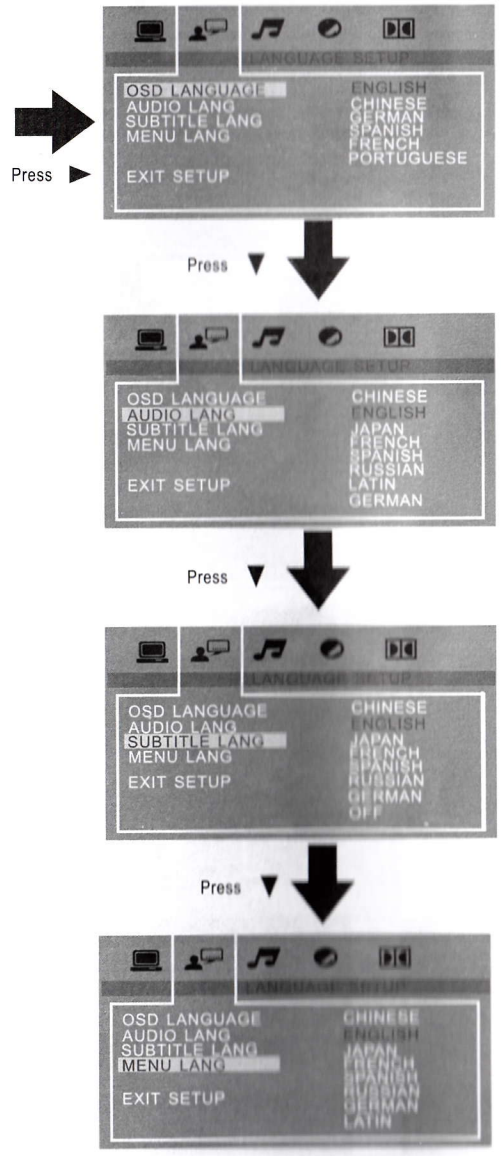
Note: 1) It can only be worked by remote control

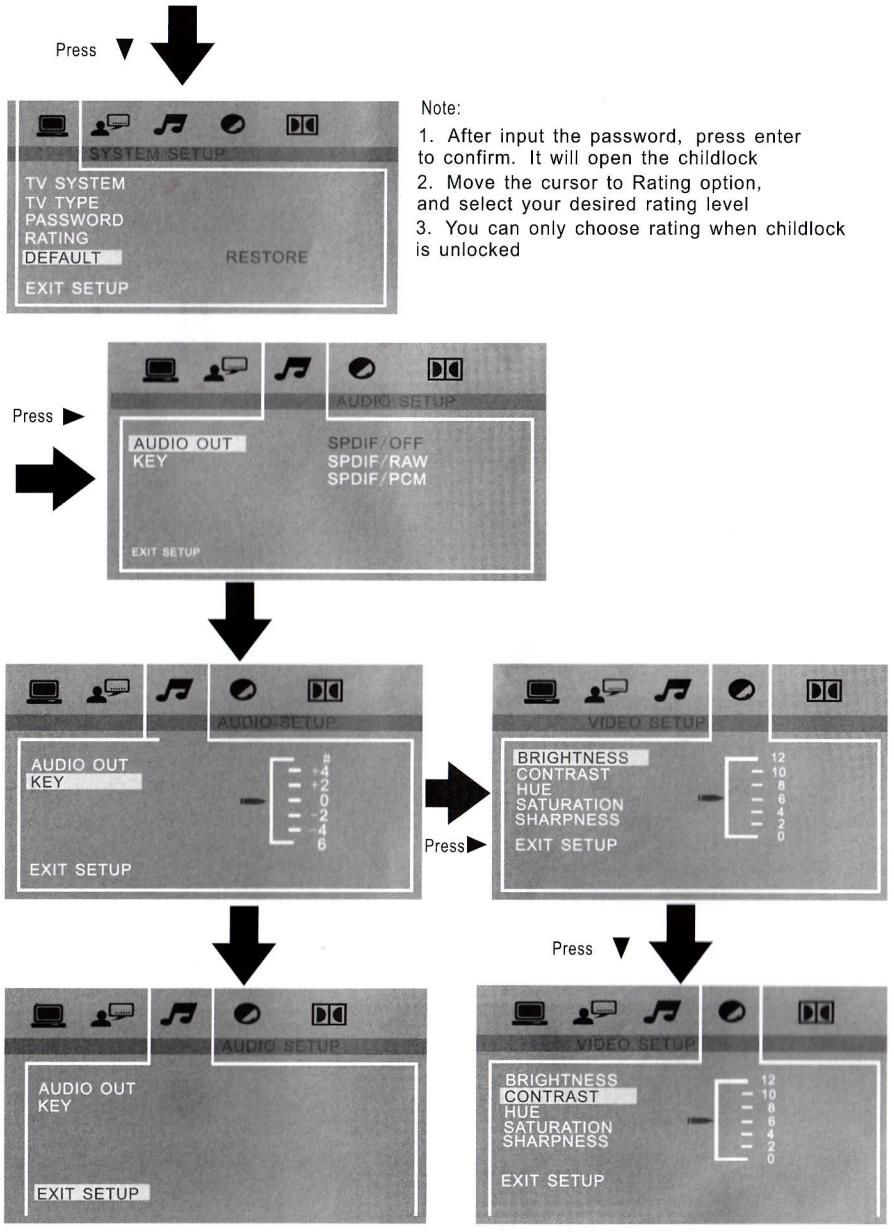
2) For different discs, the setting options may be different.

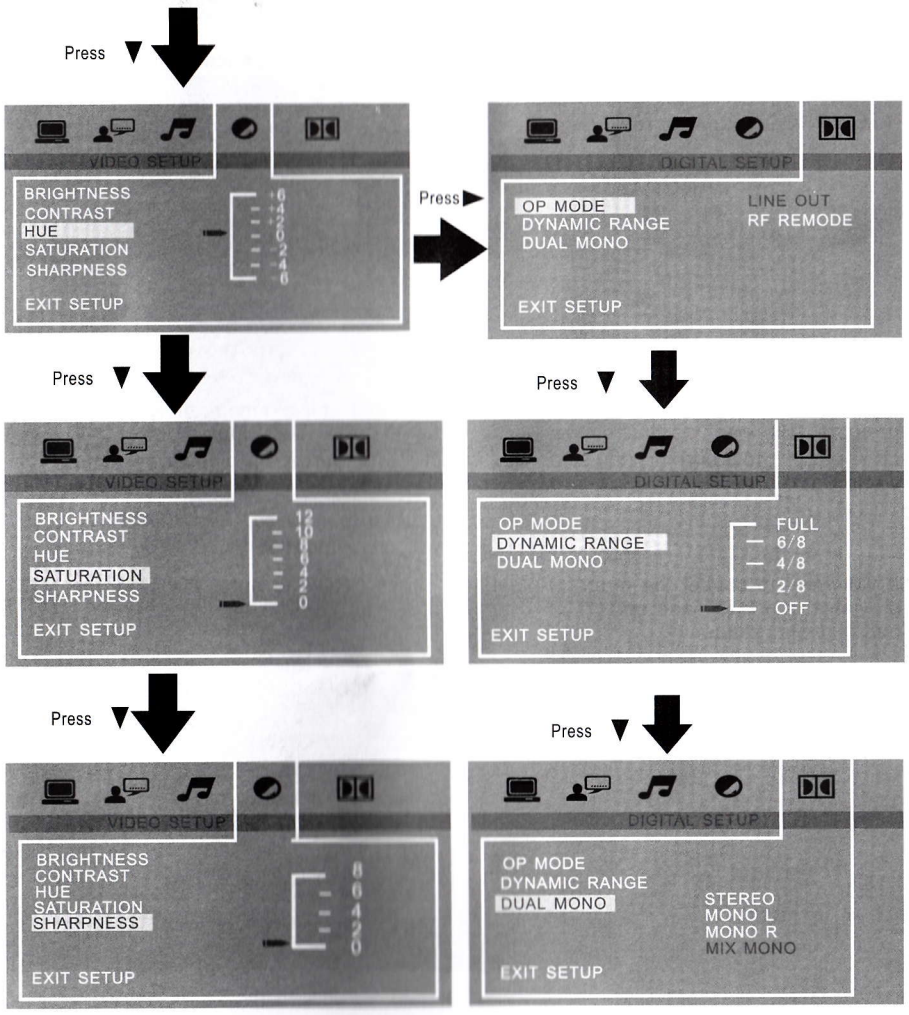
3) If the selected language is not burnt in the disc, the unit will work in default language.

4) For details, please read the next pages carefully. Press SETUP button on remote control, the display will show the dialogue boxes as next pages.


SYSTEM SETUP
VIDEO
TV TYPE
PASSWORD
RATING
DEFAULT
SELECT LOGO
EXIT SETUP
PC-VGA
RESTORE
4:3PS
4:3LB
16:9
ON
1 KID SAFE
2 G
3 PG
4 PG13
5 PG-R
6 R
7 NC-17
8 ADULT
Press


LANGUAGE SETUP
OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG
EXIT SETUP
ENGLISH
CHINESE
GERMAN
SPANISH
FRENCH
PORTUGUESE
JAPAN
RUSSIAN
LATIN
OFF
Press



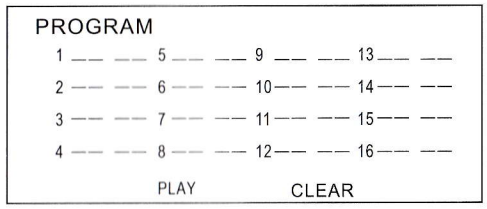


Note: Press SETUP button on remote control when DVD playback to display the above menu, use▲▼◄►keys to select desired item, press ENTER to conform. Press SETUP again to exit.

15. Program playback

When disc or USB/SD plackback, you can set the playback sequence by program playback function. The operation is as follows:

Press PROG button on remote control, the display will show the following dialogue box:

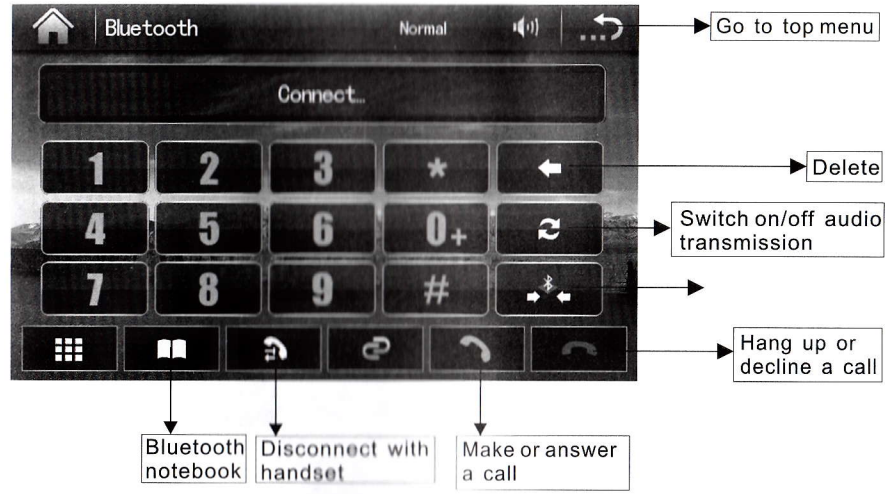


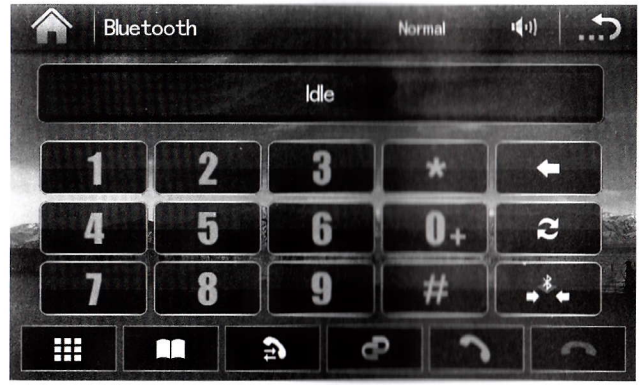
Input the track number you desire to be programmed, for example, if you want to program 10th track as first played track, select the 1_ _, and input 10, then move the cursor to 2_ _ to program in the same way, select PLAY curosr on display by remote control and press Enter to confirm program playback.

If you want to cancel the program playback, press GROG to enter the program playback interface, and select CLEAR, press Enter to confirm, then press PLAY button to play sequently.

Note: This function can be only worked by remote control.

BLUETOOTH OPERATION ON DISPLAY





Note: All the operation and settings are described efficiently on next page

BLUETOOTH OPERATION&SETUP

1. Bluetooth function features

1) Driver can answer or make a call freely on touch screen.

2) Driver can control the volume output by volume button.

3) Driver can make a dialogue freely by the built-in micro phone, no need to hold the handset, it can make the driver pay more attentions to steering wheel and avoid the radiation of the handset

4) It can realize the synchronization between the DVD and your handset, you can transmit the audio signal stored in your handset to the DVD by bluetooth.

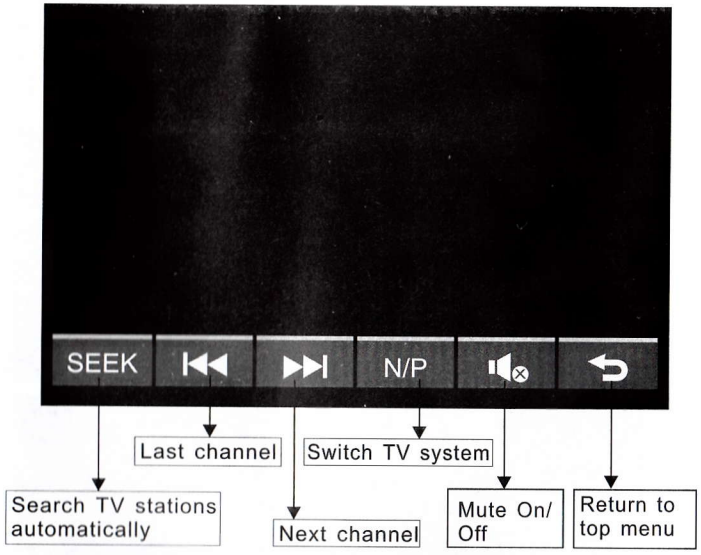
2. How to pair DVD with bluetooth handset

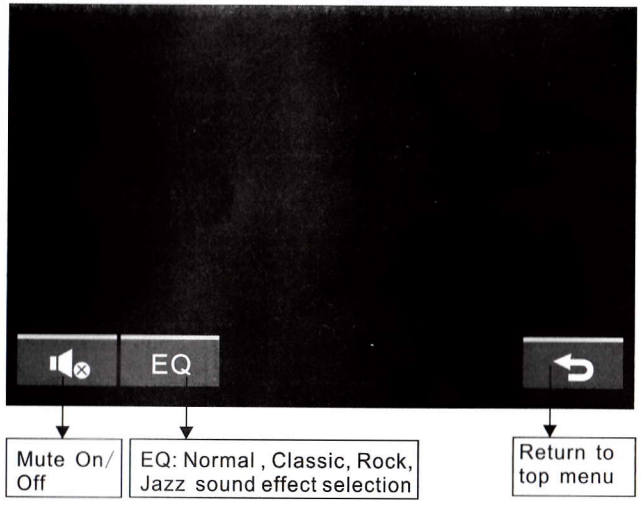
1) First of all, open the bluetooth function of your mobile phone, and start to search the bluetooth device nearby, there will be a notice once the DVD bluetooth is searched. Confirm to make the connection. Your mobile phone will remind you to input the password (Password of the DVD is "0000"). Enter the password, and confirm to make the connection. Once "CONNECT" shows on the DVD, it means the connection succeed. (you may need to try more than once if it can not connect successfully)

2) In any mode, if the DVD and handset keep connecting, when there is a call, the DVD will auto switch to bluetooth interface, and will return to last mode after the call.

BLUETOOTH OPERATION ON DISPLAY

TV OPERATION





Touch TV key on the top menu or press MODE button on the remote control to enter TV mode.

1. Auto Scan

Press the AMS on the remote control or SEEK on display. If any TV station is searched, it will auto stored in sequence.

2. Skip TV channel

1) Turn the tuning knob on front panel or press ▶▶| and |◀◀ keys to select next/last channel

2) Press number button on the remote control to select your desired channel. For example, Press 10+, then press number 3 and 9, then it will skip to channel 39th.

3. Manual Scan

Touch ▶▶/◀◀ key on remote control to search in forward/backward direction. If any station searched, it will stop to play it.

4. TV system

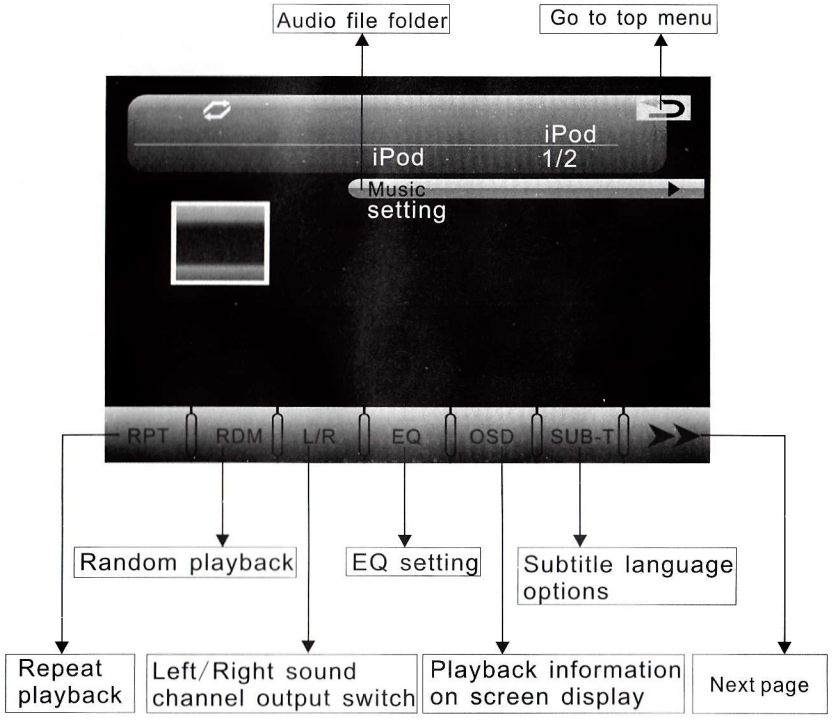
1) For different countries or areas, the TV system is different. Before you start to use TV function, please check local TV system.

2) Press the SYS and AUDIO button on the remote control to switch the TV system to match your local TV system.

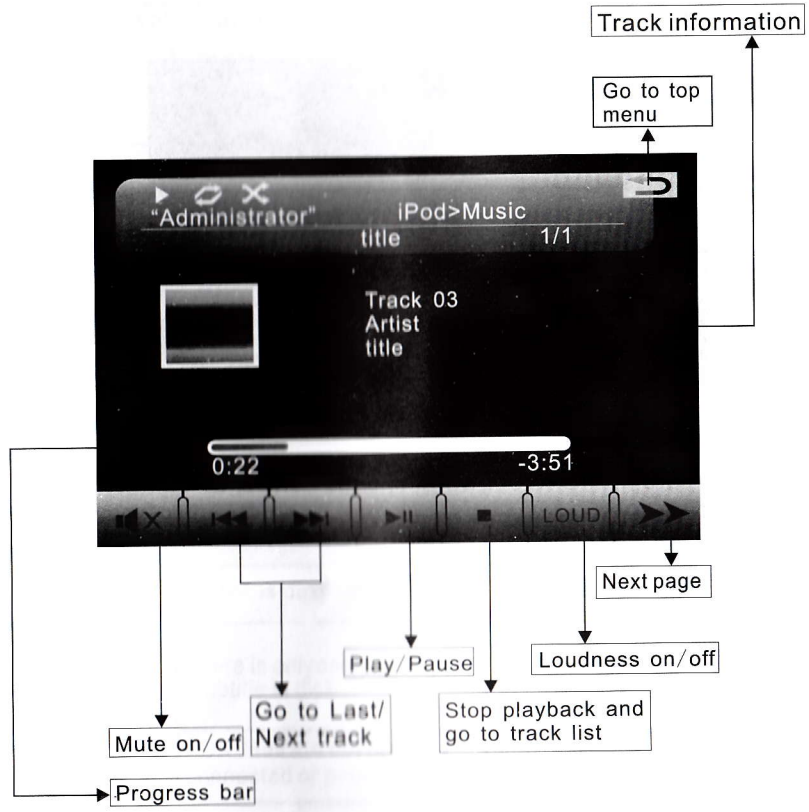
5. Black screen

The display will go black if there is no signal input.

IPOD PLAYBACK ILLUSTRATION

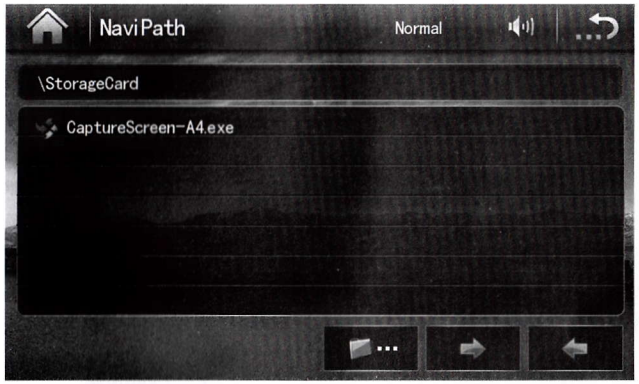


IPOD PLAYBACK ILLUSTRATION



GPS OPERATION INTRODUCTION

Click " " key, enter GPS setup interface as follow:



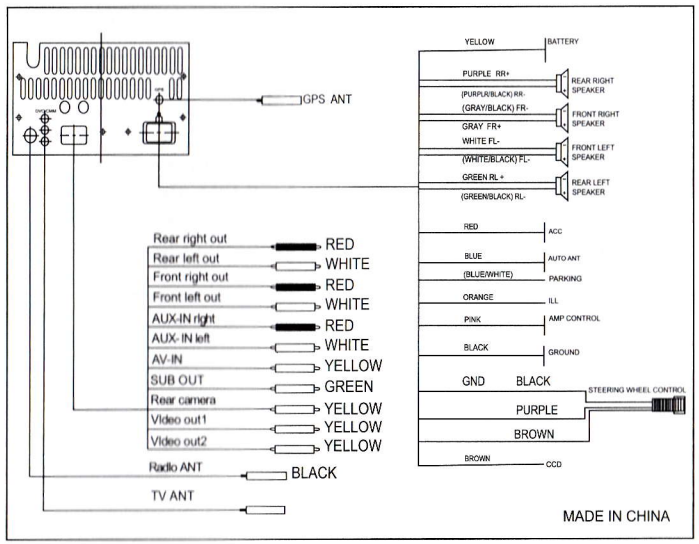
Load SD card with GPS software, choose correct GPS path and enter GPS navigation.

TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Cannot power on	Check if the fuse box is burnt	Change fuse same as the old one.
	Check if the harness are connected correctly.	Correct the connections.
After ignition switch off, setting information lost	Wrong connections for ignition line ACC and positive pole power line BAT+	Correct the connections
Remote control does not work	No power for the battery.	Change a new battery.
Poor performance of radio receiver	Improper set of length of antenna, poor connection of antenna grounding	Check whether antenna is connected or not or poor connection.
Cannot load disc	There is a disk in deck	Take out the disc and put into a new one.
Cannot read disc	Disk is scratched	Change new disc
	Put the disc upside-down	The side with marks should be faced up
	Laser is dirty	Clean the laser by laser clean disc
Cannot switch language/subtitle	There is only one language /subtitle in disk	Discs burnt with only one languages can not switch subtitle and audio language
No Image	AUX lines are not properly connected or poor connected	Correct the connections

WIRING DIAGRAM

- Red-ACC ON (+12V)
- Yellow-battery anode(+12V)
- Black- ground line
- Blue- power Antenna Control line
- Brown - backsight camera power control line/anode
- Pink - brake power control line/cathode
- Grey/Grey black-front right speaker anode/cathode
- White/White black-front left speaker anode/cathode
- Purple/Purple black-rear right speaker anode/cathode
- Green/Green black-rear left speaker anode/cathode



SPECIFICATIONS:

Power supply..... DC12V
Power range.....10.8~16.0V DC
Max operation current.....10A
Installation size..... 155x182x108MM
Ground system.....Negative ground

FM tuner

Frequency range..... 87. 5~108.0MHz
Signal/Noise Ratio.....55dB
Stereo separation.....30dB
Search station volt.....20~30dBuv
Distortion rate..... ∠0.5%-1%

AM tuner

Frequency range..... 530-1620KHz
Limit noise sensitivity.....32dB

DVD PLAYER

Signal/Noise ratio.....60dB
Frequency response.....20Hz-20KHz