2DIN IN-DASH CAR DVD PLAYER

User Manual

Car Entertainment Systet

Contents

◹ Introduction

1.1 Features

1. Built-in DVD, FM, AM, TV, functions, (AV, CDC and GPS functions optional).
2. Full compatible DVD/VCD/MP3/CD/CD_R/CD_RW/MPEGdisc, etc.
3. 7"TFT-LCD vivid screen with16:9 aspect ratio.
4. Touch panel can operate the characteristic OSD user interface directly.
5. Save the parameters automatically, and default parameters can be restored.
6. 1 channel AV output, very easy to connect with external AV device and compose a perfect car AV entertainment system.
7. 4 channels TV antenna input :receive good and stable TV program in the car.
8. Auto-save function in DVD mode, conveniently watch all kinds of disc continuously.
9. Clock dispay, get the current date and time at any moment and built-in perpetual calendar very easy for inquiring about the current date.
10. Hi-tech GPS navigaton system can connect with special GPS device, making it convenient for driving and redu cing the trouble of looking for ways.
11. Auto switch to the backing car display status when backing a car , if external camera is available ,the car rear status can be seen on the screen in real time to ensure the safety.
12. Auto mute for answer the car telephone if it is available.
13. Hand brake detecting function, which switches off the TFT display automatically to ensure the safety during driving.
14. Auto detect the small light switch function:if the small light is on, the light of keys will be on and the TFT screen will switch to night mode automatically.
15. Fluorescent remote control, convenient for use in the night.
16. The TFT-LCD angle can be adjusted arbitrarily and the sliding mechanism can be auto-protected.
17. Can connect to the external control keys of steering wheel, easier and more convenient for operation.
18. Control function fou external power amplifier, avoding impactive sound from switching power amplifier.

◹ Introduction

1.2 Uages

The product has a high-definition TFT-LCD color screen, built-in DVD, FM, AM, TV, optional for backing car radar and CDC, and has connection for rear view mirror and 4 channels audio output, so it is very easy to compose a set of car entertainment system in the center of this product, It is quite convenient and easy to install and connect this product. And it has no radiation, low power consumption. Because the picture has no flicker, view angle can be adjusted arbitrarily, the color is vivid and the product shape is cabinet, so this product can Be used for all kinds of car.

2.1 Remote Control Operation

2.1.1 Remote Control
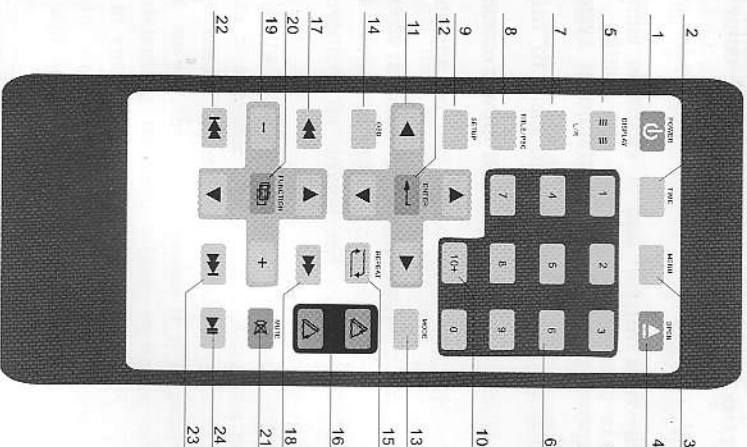
2.1.2 Remote Function
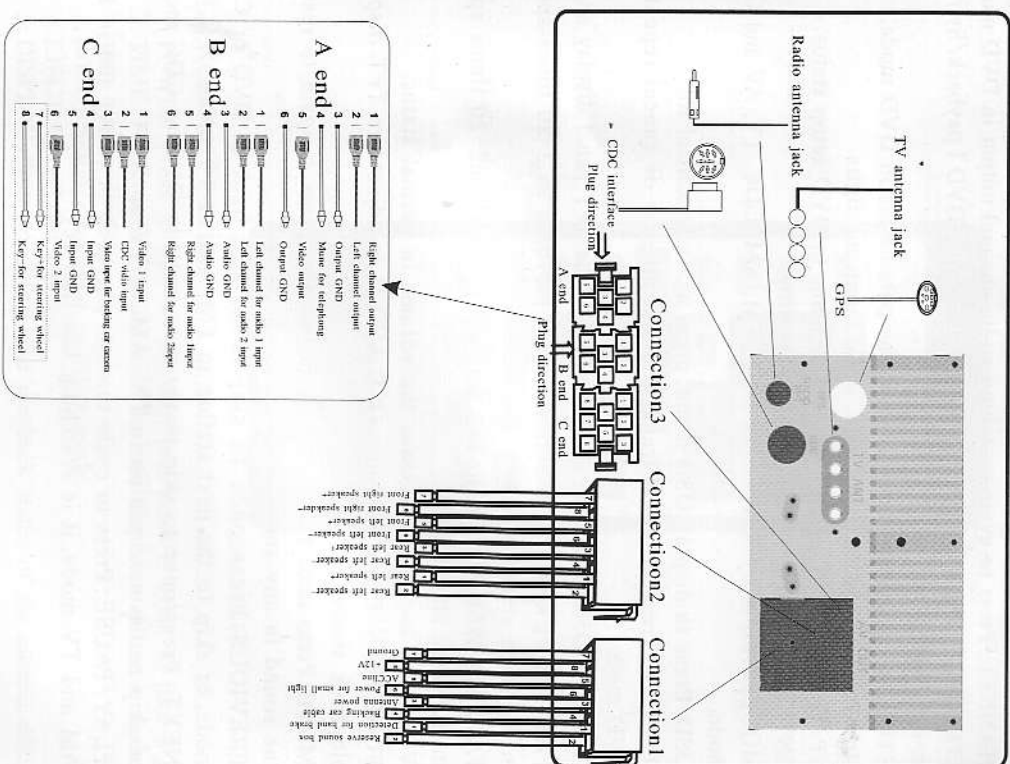
1. POWER:Press to turn on the unit, and press it again to turn it off.
2. TIME:Press once to turn on the time display and turn it again to turn off the display.
3. MENU:Select disc menu in DVD mode.
4. EJECT:Eject/Load the disc.
5. DISPLAY:Press to display the playback status of the current disc.

6. 0~9:To input digits when selecting track/station, and to select disc number inCDC mode.
7. CHANNEL:Press to cycle switching audio channel output in DVD mode.
8. TITLE/PBC:Press to return to title status during DVD1 payback/Switch on/off PBC menu.
9. SETUP:Access setup menu to setup the paramerers in DVD mode.
10. 10+:Press to add 10 every time when inputting digits.
11. UP/DOWN/LEFT/RIGHT:To select items in DVD setup status.
12. ENTER:To confirm the selection of settings,
13. MODE:Press to cycle selecting DVD, FM, AM, CDC, TV, AV and GPS mode.
14. OSD:Press to display OSD menu, press again go cancel it.
15. REPEAT:Press to repeat track, chapter, all disc or cancel repeat in DVD mode.
16. ANGLE ADJUST:Press " △,△ " to adjust the TFT panel display angle.
17. FAST REVERSE:Press to fast reverse playback in 2~20 times speed in playback status.
18. FAST FORWARD:Press to fast forward playback in2~20 times speed in playback status.
19. VOLUME:Increase/Decrease the volume in normal status.
20. FUNCTION:Press to access OSD MENU to adjust the TFT display playback status.
21. MUTE:Press once to turn the sound off and press it again to restore the sound in any status.
22. PREVIOUS:Press once to skip to the next track in DVD or CDC mode, or skip to the next station in FM, AM, or TV mode.
23. NEXT:Press once to skip to the next track in DVD or CDC mode, or skip to the next station in FM, AM, or TV mode.
24. PLAY/PAUSE:Press to cycle through playback or pause and in FM, AM and TV mode, it is searching function key.

2.2 About the Rear Output Interface

2.2.1 The Sketch Map of the Rear Output Interface

TV antenna jack
Radio antenna jack
GPS
CDC interface
Plug direction
A B C end
Plug direction
Connection3
Connection2
Connection1

Connection2 speakers:
Front right speaker+
Front right speaker-
Front left speaker+
Front left speaker-
Rear right speaker+
Rear right speaker-
Rear left speaker+
Rear left speaker-

Connection1:
Reserve sound box
Detection for hand brake
Backing car cable
Antenna power
Power for small light
ACC line
+12V
Ground

A end
1 Right channel output
2 Left channel output
3 Output GND
4 Mute for telephoning
5 Video output
6 Output GND

B end
1 Left channel for audio 1 input
2 Left channel for audio 2 input
3 Audio GND
4 Right channel for audio 1input
5 Right channel for audio 2input
6 Video 1 input

C end
1 Video 1 input
2 CDC video input
3 Video input for backing car camera
4 Input GND
5 Video GND
6 Video 2 input
7 Key-for steering wheel
8 Key-for steering wheel

2.2.2 The Function of the Rear Output Jack

● **Definition for Connection 1**
Detection for hand brake:Connect to the hand brake switch (0V is valid), if the hand bradk is released, the TFT screen will be switched off automatically. If it is not connect to the hand brake switch, please conect it go ground, otherwise no picture will display.
Antenna power:Connect to the control end of the motor antenna.
Rear control cable: When connecting to external power amplifier, control the rear amplifier power to avoid impassive sound.
Backing car control cable:Connect go the backing car switch or back -up light (12Vis valid).
Power of small light:Connect to the control switch of the smal light (12V is valid).
ACC (red):Connect to the ACC power switch.
12V battery lead:Connect to the car storage battery, is is 12V uninter-rupted DC power.
Ground lead (black):Connect to the clean and bare metal part of the chassis.

● **Definition for Connection2**
Rear left speaker-:Connect to the negative end of the left speaker in the rear of the car.
Rear left speaker+:Connect to the positive end of the left speaker in the rear of the car.
Front left speaker-:Connect to the negative end of the left speaker in the front of the car.
Front left speaker+:Connect to the positive end of the left speaker in the front of the car.
Front right speaker-:Connect to the negative end of the right speaker in the front of the car.
Front right speaker+:Connect to the positive end of the right speaker in the frong of the car.
Rear right speaker-:Connect to the negative end of the right speaker in the rear of the car.
Rear right speaker+:Connect to the positive end of the right speaker in the rear of the car.

● **Definition for Connection3**
Please refer to the remark narration of the rear panel connection in the rear of the car.

● **CDC interface**:Connect to Sanyo CDC-6~10DVDorCD disc box.

↘ Basic Operation

2.4 The Product Appearance

POWER EJECT
PREVIOUS UP
NEXT DOWN
PLAY PAUSE DVD/FM/AM/ MUTE
FUNCTION SELECTION TV/AV/CDC SELECTION
VOLUME ADJUST

The rear panel

The front panel is closed

⚠ Our company is always trying to improve the product quality and release new products , so the product appearance, function or design described in this manual maybe a little different, and the change is not noticed specially, SO please check check as the actual product.

↘ Main Function Operation

3.1. Basic Operation

1. Power On/Off

Switch on the power using the car key, and turn on the unit by pressing the any key on the front panel, then the system will enter the last status before last power off, and press this key in any status will restore the unit to DVD mode, so you can eject/load the disc. Press the ▲key for 2second and the unit will eject the disc, if press the key continuously, the unit will be powered off.

2. Function ▐◀ And ▶▌ key switch

Press the ◀◀ and ▶▌ key on the front or one the remote control to play previous and next chapter/track/title

3. Function Mode Switch

Press the MODE key on the front panel or on the remote control, you can cycle switching the DVD, CDC, FM, AM, TV, AV and GPS mode. (Note: CDC function is only valid for Sanyo disc box)

4. Function MENU Switch

Press the MENU key on the front panel or on the remote control to display the root menu about DVD
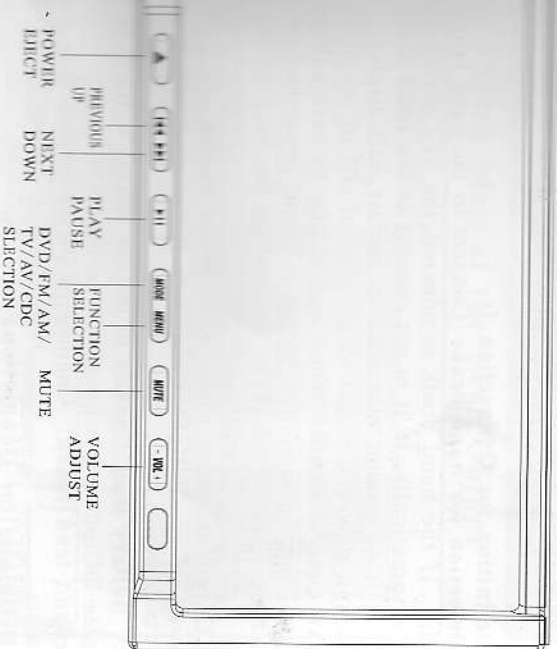
5. Function ▶▌ switch

press ▶▌key on the front panel or on the remote controlto play DVD or pause DVD

6. Volume Control

In normal playback status, pressing the key VOL+/−on the front panel or on the remote control will change the sound volume as your requirement.
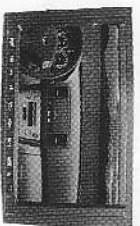
7. Mute Control

In normal playback status, if you don't want need audio output, you can press the MUTE key onthe front panel of on the remote control. the system will not output audio, press again and the system will exit mute status and restore the audio output.

8. Turn over the Front Panel

Touch right or left area on up and down of dispay sreen will adjust display angle.

9. Eject the Disc

If the front panel is fully expanded, the disc will be ejected out automatically.

If the front panel is not expanded fully, pressing the disc will be ejected out... touching the "Eject Disc" on OSD menu will eject the disc too.

## 3.2. Basic Operation of the Touch Panel

When the POW or ▲ key on the front panel or the power key on the remote control is pressed, the system will automatically enter before last power off. Now you can operate the unit. This unit has touch panel function, and the main page is as figure OSD-001, including seven functions: DVD, TV, Radio, Disc Box, GPS, AV and Setting. YOU can operate the unit by touching the corresponding icon on the screen, or you can cycle seleting every function by pressing UP/DWON key on the front panel or on the remote control, the selected item by pressing the MODE key on the remote control or the MENU key on the front panel. Pressing the VOL+/-key can increase or decrease the value needed.

1. DVD/CDC function

Touching the DVD icon, you can enter the page as figure OSD-002.

(1) **Play/Pause**: Touch the Play/Pause icon on the screen the unit will perform the Play/Pause function and display the current status on the TFT screen.

(2) **Skip and Play**: Touch the Previous or Next icon, the unit will jump to the previosu or next track every time you touch it.

MAINMENU
DVD   TV   RADIO   AV
CDC   GPS   SET   EXIT
OSD-001
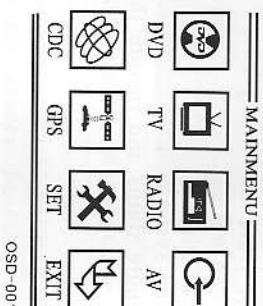
(3) **Main**: Touching it will return to The page as OSD-002. (This function is same in any status.)

(4) **Volume Conteol**: Press the +or- icon, and the volume can be adjusted as you require. (This function is same in any status.)

(5) **Fast Forward/Reverse**: Touch the Fast Forward/Reverse icon, the unit will play forward or reverse as 2~20 times multi-speed.

(6) **Eject the Disc**: Touch the Eject icon, and the disc will be ejected.

(7) **EXIT**: Touching Exit icon will exit the current OSD page. (This function is same in other status.)

2. TV/AV function

Touching the TV icon in the main page, you can enter the page as figure OSD-003. And the detailed operation can be referde to chapter 3.4.

(1) **TV Type Swith**: You can switch to PAL I/DK/BG/N/M, NTSC MN, SECOM DK/BG/L/LL as you need.

(2) **Mute**: Touching the Mute icon, the sysetem will mute, if this icon is touched again, the audio will be Output again. (This function is same in any status).

3. Radio Function

Touching the Radio icon in the main page, you can enter the page as figure OSD-004, And the detailed iperation can be referred to chapter 3.5.

(1) **AM/FM**: Touching the FM/AM icon, you can swithch different radio band.

(2) **Search**: (A) Switch to FM or AM band by touching the Band icon, and then you can start the search of full band range (FM 87.5MHZ -108MHZ, AM 531KHZ-1620KHZ) by pressing the "▶‖"key on the front panel or the Search icon on the screen. And the unit will save the stations searched automatically. (B) When the search is completed, you can cycle switching station through FM1.... FM5, and AM1...AM5 by touching Band icon. or you can listen to the station you need by touching the channel number directly.
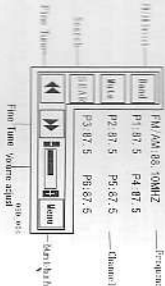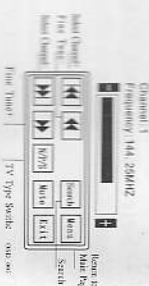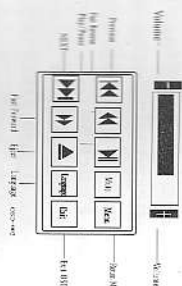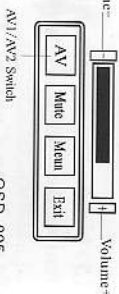
(3) **Channel+/-, Fine Tune+/-**: Touching the corresponding icon will perform the corresponding function.

4. AV Function
Touching the AV icon the main page, you can enter the AV input page as figure OSD-005. And the detailed iperation can be referred to chapter3.6.

5. Disc Box Function
Touching the Disc Box icon in the main page, you can enter the disc box page as Figure OSD-006. And the detailed operation can be referred to chapter 3.7.
(1) **Play/Pause**: Touching this icon will paly /pause the playback of the disc box.
(2) **Mute**: Touching the Mute icon, the system will mute, if this icon is touched again, the audio will be output again.
(3) **Select Disc and Track**: Touching thePrevious/Next Disc or Previous /Next Track icons will perfoum the corresponding functions.
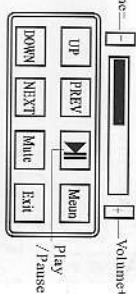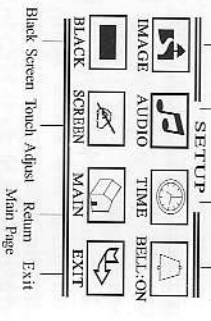
6. Settings
Toucing the Settings icon the main page, you can enter the settings page as figure OSD_007.
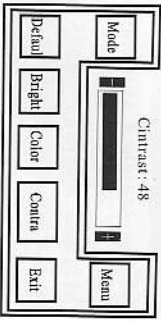(1) **Picture Setting**: Touching the picture Setting icon, you will enter the picture Adjustment page as figure OSD_008. You can adjust the picture's brightness, contrast and chroma, increasing/decreasing the value by touching the+or-icon, or you can restore the system default value. There are several picture modes to select: bright, gentl, night, switched by touching the Modeicon as you need. If you touch the Exit icon, the unit will return\to the playback status in full screen, and OSD_008 touching the Main Page icon will cause the unit return to the main page.
(2) **Audio Adjust**: Touching the Audio icon, you can enter the audio adjustment page as figure OSD_009.

Volume—
AV1/AV2 Switch
AV Mute Menu Exit
OSD-005

Volume— UP PREV / DOWN NEXT / Mute Menu / Play /Pause / Exit — Volume+
OSD-006

Picture Audio SETUP Time Buzz settings
IMAGE AUDIO BLACK SCREEN MAIN TIME BELL:ON EXIT
Black Screen Touch Adjust Return Exit Main Page
OSD-007

Mode Cintrast:48
Defaul Bright Color Contra Exit Menu
OSD-008

A. **Front Left/Front Right, Rear Left/Right**: Touching the "-" and "+"icons, you can increase or decrease the audio volume of the frint left/right and rear left/right speakers.
B. After toucing the main volume, reble, bass, principal volume, you can change the main volume, treble and bass volume by touching the "-" and"+"in the middle.
C. You have several audio effect to select by touching Audio Effect icon: pop, rock, music, classic, cinema, hall, standard, And you can touch the corresponding function, (These functions have been narrated before.)
(3). **Clock Setting**: Touching the Clock icon, you will enter the clock setting page as figure OSD_010.
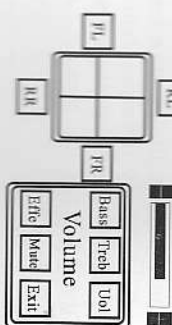A. **Change Hour**: Touch the "Hour" icon and the hour display will turn red and flash. So you can change the hour value by touching "-" and "+" icon.
B. **Change Minute**: Touch the "Minute" icon the minute display will turn red and flash. So you can change the minute value by touching "-" and "+" icon. (The year, month and day are adjusted in the same way.)
(4) **Buzz On/Off**: Touching the Buzz icon as figure OSD_011,the buzz will be switched off in normal way, and it will be switched on again if you touch the icon once time.
(5) **TFT On/Off**: Touching the Buzz icon as figure OSD_011 will switch off the TFT screen display. On the contrary, entering the settings page and touching the TFT icon again, and after you touch the TFT icon again, you can see the screen again.
(6) **Touch Panel Coordinates Adjust**: Touch the "Touch Panel Adjust" icon in the setup pgeg as figure OSD_012, point the center of the left upper icon in
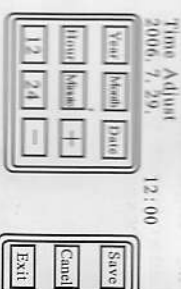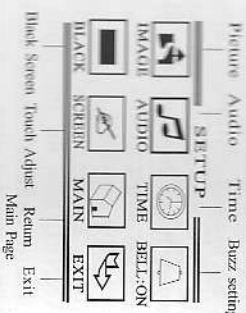
FL RL FR
Volume Bass Treb Vol Effe Mute Exit
OSD-009

Time Adjust 2006, 7. 29.   12:00
Year Month Date   12 24 -   Exit Cancl Save
OSD-010

Picture Audio SETUP Time Buzz settings
IMAGE AUDIO BLACK SCREEN MAIN TIME BELL:ON EXIT
Black Screen Touch Adjust Return Exit Main Page
OSD-011

The screen and press the 1 Key on the remote control to confirm, secondly point the the center of the left downicon in the screen and press the 1 key on the remotecontrol to confirm, and then point the center of the right upper icon in the screen and press the 1 key on the remote control to confirm, lastly pointthe center of the left upper icon in the screen and press the 1 key on the remote control to confirm, Finally press the ENTER key and the system exits, now the coorsdinates is revised.

(7) **Main Page**: Touch the "Main Page" icon in the setup page and the system will exit to the main page.

(8) **Exit**: Touch the "Exit" icon n the current playback status.

OSD page and return to the current playback status.

(9) **TFT Angle Adjust**: When video singal is output, touching the left/ right down corner will cause the TFT screen raw back, and touching the left/right upper corner will cause the screen extend out.

```
Remote Function:
1. OK 2. Cancel 3. Exit
1: Left up position
2: Right down Position
3: Left up Position
4: Right down Position
5. Save or Cancel
NOTE:
Audio exit
after 5minutes

OSD-012
```

3.3 DVD Function Operation

1. Press the "MODE SWITCH"key on the front panel, orpress the "MODE"key on the remote control toswitch the unit to DVD mode. Then press the"▲"on the front panel to slide out the TFT screen and insert thedisc(Note:The lable side should be faced up). Then the disc will be played automatically. If you press the "▲"key again, the disc willbe ejected out automatically.

2. Pause/Play:Pressing the PLAY/PAUSE key on the front panel or on the remote control will pause the playback, and pressing again will resume playback.

3. Audio Channel Switch:In normal playback status,pressing the CHANNEL key on the front panel or on the remotecontrol will switch the audio channel, such as left/rightchannnel, stereo, audiol and 2, according to the disc.

4. Skip and Play:Press the FAST FORWARD or FAST REVERSE keys on the front panel or on the remote control, and theunit will jump to the previous or next track every time you press it.

5. Pressing the REPEAT key on the remote control can remote control can repeat playback of ghe single track, the whole disc or cancel the repeat.

6. In DVD mode, the digital AV file can be played, such as MPEG, MP3, JPEG/GIF/BMP file.

(1) Insert the disc to the loader, the unit will read the disc autom- atically and enter the AMARTNAVI mode, as showed in the figure below.

(2) When playing MPEG or Mp3 files, the unit will play the music as PLAY MODE, and the playback time, current track and total tack number will be displayed on the screen. If playing JPEG/GIF/BMP files, the whole screen will display the current picture file, and continue to display next after 5 seconds. By pressing the STOP key on the remote control will cause the unit return to the SMART NJVI mode.
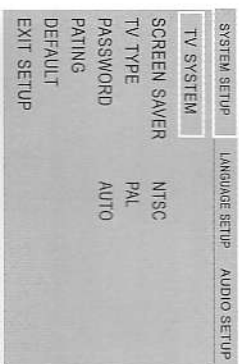
```
MP3              1/320    00:01:56
[root]
1 ♪ 001      6 ♪ 006
2 ♪ 002      7 ♪ 007
3 ♪ 003      8 ♪ 008
4 ♪ 004      9 ♪ 009
5 ♪ 005     10 ♪ 010
File:001
```

7. Setup Menu

In DVD mode, Pressing the SETUP key on the remote control will access the setup menu. (as the figure showed in page13). Using the UP/DOWN/LEFT/RIGHT and ENTER keys on the remote control can select all the selection items and make settings as personal favorites.

(1)Basic Operation:UP/DOWN keys are used to select the selection items up and down, and the LEFT/RIGHT keys are used to switch between the main menu and submenu. The concave item is the item that has been selected, and the reverse item is the item selected currently. And the ENTER key is used to confirm the current selected to becurrent setting. (Note:The UP key is used to retuen to the main menu,too.)
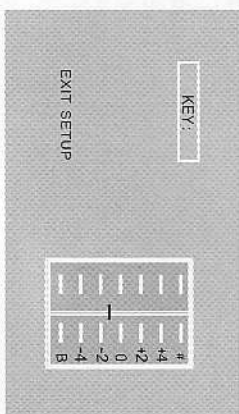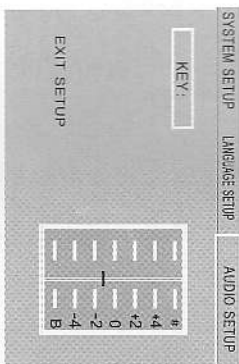
SYSTEM SETUP   LANGUAGE SETUP   AUDIO SETUP

TV SYSTEM
SCREEN SAVER   NTSC
TV TYPE   PAL
PASSWORD   AUTO
PATING
DEFAULT
EXIT SETUP

TV SYSTEM: NTSC, PAL, AUTO.
SCREEN SAVER: ON, OFF.
TV TYPE: 4:3PS, 4:3LB, 16:9
PASSWORD: ----.
PATING: 1. KID SAFE, 2. G, 3. PG
      4. PGIG, 5. PG-R, 6. R,
      7. NG-17, 8. ADULT.
DEFAULT: RESTORE
EXIT SETUP

SYSTEM SETUP   LANGUAGE SETUP   AUDIO SETUP

OSD LANGUAGE
AUDIO LANG   ENGLISH
SUBTITLELANG   PORTUGHESE
MENU LANG   CHINESE
EXIT SETUP   LATIN
      GERMAN
      SPANISH
      FRENCH

OSD LANGUAGE: ENGLISH, PORTUGHESE,
CHINESELATIN, GERMAN, SPANISH, FRENCH.
CHINESELATIN, GERMAN, SPANISH, FRENCH.
AUDIO LANG: CHINESE, ENGLISH, JAPAN, FRENCH,
SPANISH, PORTUGHESE, LAIN, GERMAN.
SUBTITLE LANG: CHINESE, ENGLISH, JAPAN,
FRENCH, SPANISH, PORTUGHESE, GERMAN, OFF.
MENU LANG: CHINESE, ENGLISH, JAPAN, FREBCG,
SPANISH, PORTUGHESE, GERMAN, LATIN.
EXIT SETUP

SYSTEM SETUP   LANGUAGE SETUP   AUDIO SETUP

KEY:
EXIT SETUP

KEY:
EXIT SETUP

3.4 TV Function Operation

1. Press the "MODE SWITCH" key on the front panel or the "MODE" key on the remote control, or touch the TV icon in the screen to switch the unit to TV mode. The unit can save all the TV programs.
2. Search TV Programs: Press the SEARCH key on the remote control, and the unit will start to search TV programs and save all the programs automatically. After the search is completed, the unit will return to the first program and play it . (During searching process, the system is mute). By the way, the ▶II"key on the front panelor on the remote control can be used as search function key.
3. Select Program: Press the I◀◀ or ▶▶Ikey on the front panel or the remote control to select the TV program you like. Every time you press these keys, the unit will skip for ward or back ward one program.
4. Fine Tune: When the program picture quality is not clear, you can press the ◀◀ or ▶▶ key to fine tune the frequency of the curren program to get the best quality.

3.5 AM/FM Function Operation

1. Press the "MODE SWITCH" key on the front panel or the "MODE" key on the remote control, or touch the RADIO icon in the scree to switch the unit to radio mode.
2. Search Radio Stations: Press the SEARCH key on the remote control, and the unit will start to search radio stations and save all the stations automatically. After the search is completed, the unit will return to the first station and play it . (During searching process, the system is mute). By the way, the ▶II key on the front panel or on the remote control can be used as search funcion key.
3. Select Station: Press the I◀◀ or ▶Ikey on the front panel or on the remote control to select the radio station you like. Every time you press these keys, the unit will skip forward or backward one station.
4. Fine Tune: When the sound quality is not very good, you can press the ◀◀ or▶ key to fine tune the frequency of the current station to get the best sound quality.

3.6 AV Function Operation

1. Connect the video input and left/right audio channel input of AV1or AV2 with the external video/audio device.
2. Switch the system to AV mode by selecting AV mode viatouching the main page or pressing the corresponding key on the front panel or on the remote control.

3.7 CDC Function Operation

1. Mode Switch: Press the select key on the front panel oron the remote control, or touch the CDC icon on the touch panel to switch the system go CDC mode.
2. Select Disc: Pressing the numeric key on the remote control can select the corresponding disc number.
3. Play/Pause: When the disc is being played, pressing the PLAY/PAUSE key will pause the playback, and pressing it again will resume the playback.
4. Select Track: Pressing the PRVIOUS key on the front panel or on the remote control will go to the beginning of the current track, and pressing it again within 1 second will go to the previous track. And pressing the NEXT key once wil go to the next track.

3.8 Baking Car Radar Function

1. In backing car status, the system will enter the backing car radar display mode. The system configured video backing car radar will display the distance and status between the car and the barrier on the TFT screen. If the distance between the car and the barrier is within the dangerous range, the buzzer will buzz continuosly to warn the danger.

3.9 GPS Function

If external GPS device is connected, touching the GPS icon on the screen or pressing the key on the front panel will let the system display to the map on the screen. If the driver sets the GPS system correctly, the system will update the display of the driving route momentarily and prompt the driving route via voicr.

The product installation figure as below:
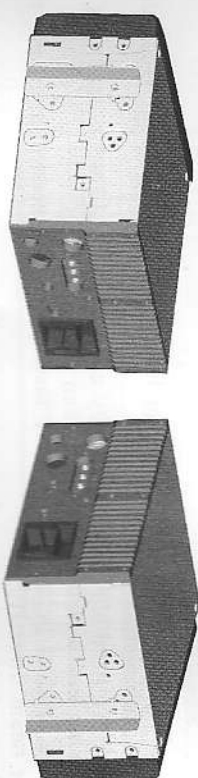
1) Put the unit into the installation slot.
2) Check the electronic connection is correct or not as mentioned in this manual. (See page4. 5)
3) Use suitable tools to install the bolts.

⚠ Note:

If possible, this product should be installed by professional technician. If meeting problem, please consult the car maintenance service center nearby.

1. This product only can be used in the cars that have9~14V DC storage battery system.
2. Please connect every part carefully according to this manual (see page4. 5)wrong connection will damage this product.
3. The connection of other parts should be prior to the power connection.
4. To avoid short circuit, any exposed wire thrum should be insulated.
5. Before installing the product, all the loose power should be fixed.
6. Please read the user manual care fully before connection.
7. Because this product is high precision device, so the installation environment should avoid:
a. The direct sunshine or other over—hering place;
b. Non—safe, or vehement shocking place;
c. Humid or distu place.

5.1 Warning

1. Don't put the unit in the rain or humid place in order to avoid the fire or malfunction.
2. In order to abide by the highway code and avoid traffic accidents, please do not watch the video screen while driving.
3. This product belongs to class 1 laser product, pleace don't stare the laser beam directly.
4. Nonprofessional person is not permitted to disassemble the unit, If any problem happens, please refer to the professional technician or the specified service. Please do not repair by self.

5.2 Usage Safety

1. While driving, please turn off the TFTscreen.
2. When washing the car, please don't expose the product outside in order to avoid short circuit, fire and other danger caused by water or damp.
3. Please don't locate your car in the sunshine place for long time, which will make the temperature inside the car very high. And please cool the inside of your car before turning on the unit.
4. This unit uses 12V DC power supply, please don'tuse other unsuitable power.
5. Please don't insert any other things into the disc loader.
6. In order go guarantee the drive safety, please keep low volume as possible and be attention to the traffic status.

5.3 The Point Disc Usage

1. Please don't put the dirty, scratched or distortion disc into the unit.
2. Please don't put the disc on the cuspidal things to avoid scratching the disc.
3. Please don't put disc in the direct sunshine or humid, dusty place.
4. Please don't use abnormal disc.
5. To clean disc, wipe it with a soft, damp cloth. If the disc surface is too dirty, wipe it gently with a soft, damp cloth with propanol. Don't use solute such as benzene, theinner etc. . .

Power Voltage	(DC) 9~14V
Max Current	10A
Working Temperature	-20℃ ~ 60℃
Exterior Size	175*100*77 (W*H*D)
Bush Size	196*120 (W*H)

Performance Specification

FM	FM Frequency Range	87. 0 ~ 108. 0MHZ
	Noise Limit Sensitivity (S/N 30db)	15dBu
	S/N Ratio	50dB
	Antenna Resistance	75 Ω
AM	Mw Frequency Range	522 ~ 1620KHZ
	Noise Limit Sensitivity (S/N 30db)	35dBu
	S/N Ratio	40dBu
	Antenna Resistance	75 Ω
TV	VHF-L	49. 75 ~ 85. 25MHZ
	VHF-H	168. 25 ~ 216. 25MHZ
	UHF	471. 25 ~ 863. 25MHZ
	TV Type	PAL B/G,I/I,D/K,N,M NTSC M/N SECOM B/G,D/K,L/LL
Audio	Antenna Resistance	75 Ω
	S/N Ratio	80db
	Max Output Power	45W×4CH
Video	Video Output Scope	1+/-0.2V
	Video Horizontal Resolution	≥500

⃗ Troubleshooting

Simple Troubleshooting

1. No audio output
- ●Check if the unit is in mute status, if it is, cancel mute.
- ●Check if the volume is minimum, and increase the volume properly.
- ●Check if the speakers thave been damaged.

2. Disc won't play
- ●Check if the unit is in DVD mode, if not, switch it toDVD mode.
- ●Check if disc has been inserted, if not, please insert disc.
- ●Check if the disc is put upside down, put the disc with the label side facing up.
- ●Check if the disc is scratched, damaged or dirty, please use good disc.
- ●The car has been outside for too long time, and the pick-up of the loader is moist. Please try again after power on for half an hour.
- ●Disc won't play if the temperature inside the car to over 0℃.
- ●increase the temperature insinde the car to over 0℃.

3. The color of TFT screen is not good

Please press the MENU key in the front panel or on the remote control to adjust the "Picture Setting" menu until ghe picture gets best quality, or restore the deftore the default syssytem value.

⚠ **Note:**

If any problem happens, please bo not disassemble theunit by self. It's better send the product to professional person to repair, or send it to the service persons after service to check, lest the problem becomes bigger and unnecessary loss be made.

⃗ A Letter to Customer

Dear Customer:

Thanks for purchasing our products. We will provide sound after-sales service guarantee for your product. To protect your rights, please read the following content carefully.

1. The product can be replaced for a new one within 3 months from the date of purchase. And a one-year free warranty is provided for the product.

2. Natopnwode warramtu: When the product you purchased from our company malfunctions, you can contact the authorized maintenance service center nearby or directly contact our Company. You willbe proveded with free maintenance service.

3. Warranty is void once the warranty card, purchase proof or product bar code is altered.

4. Detailed written failure sympton shall be sent together with the player for repair.

5. The warranty is only for the player offered by our Company. The following parts or conditions are not included in the warranty range:

(1) Consumables such as manuals or presents. When the parts provided by the third party fail, please contact the third party.

(2) The customer cannot present the warranty card, purchase proof or product bar code is altered.

(3) The product whose warranty period has expired or the product which is not purchased or assembled through regular channel.

(4) The puoduct that customer has disassmbled or repaired themselves.

(5) Failure caused by natural disaster(i. e. earthquake, lightning, fire or flood)

(6) Failure caused by the improper use of customers.

(7) Failure that is not caused by the inherent problem of the product. Our Company provides paid service for the failurd caused by accidensts or

improper use . Please contact our Company for detail.

6. The above conditions and terms are subject to the "three-guarantee" regulation of the country.

Please properly keep and use your product to avoid any unnecessary loss.

Product Repair Record

Product model#	
SN	

Repair Record

Date	Type of failure	Service record	Service personnel

Customer Return Receipt

Model		SN	
Name		Tel:	
Working			
Address			
Cistomer omformation			
Name of agent /distributor			
Address of agent/distributor			
Telephone No. of agent/distributor			
Purchase information			
Date of purchase	(Valid with stpmp)		
	Year Moth Date		
Suggestions from customer			