

## **SD812B**

**BLUETOOTH-ENABLED  
IN-DASH SINGLE-DIN DVD/MP3/CD AM/FM RECEIVER  
WITH 8-INCH WIDESCREEN TOUCHSCREEN TFT MONITOR  
WITH USB AND SD MEMORY CARD PORTS AND SIDE PANEL AUX INPUT**

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## ***User's Manual***



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SD812B

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*Bluetooth-Enabled  
In-Dash Motorized Double-DIN  
DVD/MP3/CD AM/FM Receiver  
With 8 " Widescreen  
Touch Screen TFT Monitor  
And Front Panel A/V AUX Input*

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## INSTRUCTIONS

### 24.ACCESSORY

Accessory	Quantity
User Manual	1PC
Wire	1PC
USB Cable	1PC
Keys	2PCS
Install metal bar	1PC
Remote controller	1PC
Warranty card	2PCS

## 23.SPECIFICATIONS:

Power supply .....	DC 12V
Power range .....	10.8-16.0V DC
Max operate current .....	10A
Dimensions .....	155X182X53MM
Ground system.....	Negative ground
Amp Rating .....	80 Watts x 4 Channels

### FM tuner

European frequency range .....	87.5-108MHz
USA frequency range .....	87.5-107.9MHz
Signal/Noisse ratio.....	55dB
Stereo separation.....	30dB
Search station volt.....	20-30dBuv
Distortion rate .....	1.5%

### AM tuner

European frequency range .....	522-1620KHz
USA frequency range .....	530-1710KHz
Limit noise sensitivity .....	32dB

### DVD PLAYER

Signal/Noise ratio .....	70dB
Frequency response.....	20Hz-20KHz

## 1.WELCOME

Thank you for enjoying our series of digital car A/V product.  
To properly use this product, please go through this instruction manual for installation and operation, put it in a safe place for future use!

## 2.WARNING

1. Please keep the disc slot clean, wipe it off when there is some dirt on it. You should wipe off any dirt on the disc before you place it into the unit. If the disc is dirty and you place it inside the unit, it will cause the unit to go into an error and will not play the disc. Please ask professional to clean the laser.
2. Playing the radio at higher volumes for a long period of time may cause hearing issues. You should play this unit at a moderate listen level.
3. This unit is set up by precision parts. If you open up this unit, you will void any and all of your warranty.
4. Please do not touch LCD display with any hard object so that you prevent it from getting scratched or damaged.
5. To avoid an accident caused by watching the LCD screen. This unit has a vehicle lock out wire so that you will not be allowed to watch a video while driving down the road.
6. This unit is meant for a 12V power and negative ground system from a vehicle.


### NOTE:

We keep improving this product all the time. There may be some changes in it that are not in this manual.

3.NOTE

- This unit can play the following disc

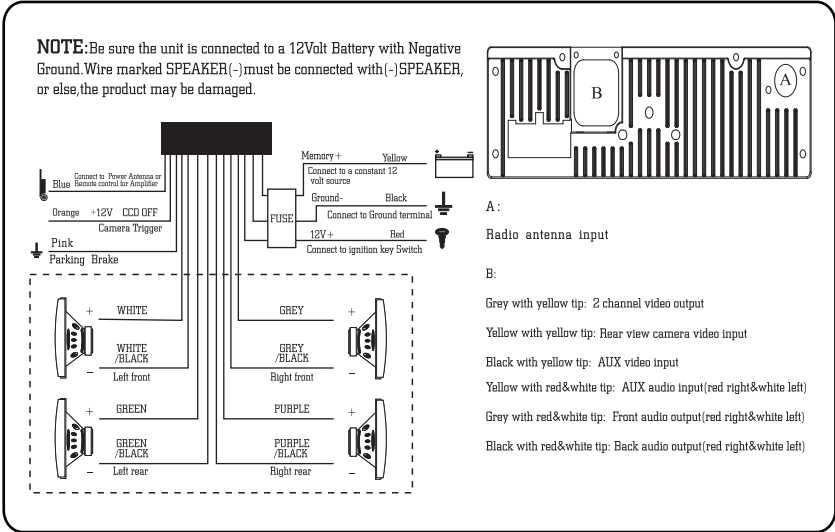
MODE	CONTENT	DISC SIZE
DVD	Sound, image	12cm
VCD	Sound, image	12cm
MP3	Sound only	12cm
CD	Sound only	12cm

Note: 1. This unit is compatible with MP4/DVD/VCD1.0/2.0/3.0 version, DVD, CD-R, CD-RW, MP3, WMA, JPEG.  
2. When playing a DVD, VCD, MP3, CD disc the display will auto identify the disc and show corresponding word.  When appears on the display, that means that there is no function, please choose another mode.

22.WIRING DIAGRAM

This player is equipped with ISO standard connector, please follow below instruction:

- Red - ACC ON (+12V)
  - Yellow – 12 V Constant
  - Black – Ground wire
  - Blue - Power Antenna / Remote Amp Turn On
  - Orange – Back-Up Camera Trigger (+)
- Grey/Grey black - Right front speaker (+/-)
  - White/White black - Left front speaker (+/-)
  - Purple/Purple black - Right rear speaker (+/-)
  - Green/Green black - Left rear speaker (+/-)
  - Pink – Parking Brake (-)



**Note:**  
The “PARKING BRAKE” wire must be connected to the parking brake system of your car. When the parking brake is engages, the LCD will be allowed to view your video. If not, the screen will produce an image saying, “PARKING BRAKE”. This is a safety feature designed for the driver not to watch a video while driving. The video output on this unit will not be affected by this.

## INSTRUCTIONS

### 21.TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Can not power on	Check whether power fuse blew or not	Change fuse same as the old one
	Some factor cause MPU wrong operation	Press RESET button on the panel by pen point, then, power on
After ignition switch off, setting information all lose	Wrong connection between ignition line ACC and Constant 12 Volt wire	Change the wiring around
Remote control no function	No enough power supply from battery	Change battery in remote control
Poor performance of radio station	Improper length of antenna, poor connection of antenna grounding	Check whether antenna is connected or not, or poor connection
Can not load disc	The disc will not go in all the way	Remove the 2 screws on top of the radio
Can not play disc	Disc is scratched	Change new disc
	Put wrong side of disc into unit	Slot in the disc with sign side up
	Lens has dirty	Clean lens by lens clean disc
Can not switch language/subtitle	There is only one language/subtitle in disc	If disc is not with multi-language/subtitle, it cannot switch language/subtitle
No image	Video line between unit and TV is not properly connected	Reconnect lines

## INSTRUCTIONS

### 4.FEATURES

#### DVD PLAYER

1. MPEG-4 Decoder Technology
2. Compatible with MP4 (AVI/5.X), DVD (DVD-R/DVD-RW), VCD, SVCD, CD-RW, WMA, MP3, JPG
3. Supporting Multiple Subtitles, Angles, Languages
4. Child lock function
5. 4-Channel Audio Output
6. Pause, Play, Up/Down, Stop, Zoom, PBC Function

#### RADIO

1. AM/FM Radio Tuner
2. 30 Radio Preset Stations (18FM, 12AM)

#### BULETOOTH FUNCTION

1. Bluetooth wireless transfers
2. Displaying bluetooth paring and connection status, call status, and caller's ID
3. Fast performance, fast connection, accurate and sensible search of devices in range
4. Support A2DP, AVRCP, HS/HF for handing calls and playing music

#### LCD DISPLAY

1. 8" - 16:9 TFT LCD Display
2. Touchscreen

## 5.BASIC OPERATION

### 1. SOURCE ON/OFF

Press SRC button on panel or SOURCE button on remote control quickly to power on.  
Press SRC button on panel or SOURCE button on remote control longer to power off.

### 2. PLAYING SOURCE CHOOSE

Press SOURCE button on remote control, unit will switch sources in the following sequence: RADIO → DVD → AUX

### 3. MUTE CONTROL

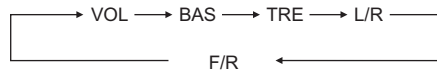
Press MUTE button on panel or MUTE button on remote control shortly to turn off sound output, press again to back to sound output.

### 4. VOLUME ADJUSTMENT

- 1) Press VOL+/VOL- button on panel, VOL+/VOL- button on remote control or touch button on display to adjust volume level.
- 2) The volume setting on this unit is 0 - 39.

### BASS, TREBLE, BALANCE & FADER ADJUSTING (SELECT)

Press SEL button on remote control to choose your desired Bass, Treble, Balance & Fader level:



### NOTE:

- 1) DVD playing mode, MBP & User will be automatically activated.
- 2) After 5 seconds you choose desired mode, do not adjust volume button. The mode will automatically take you back to status before adjustment.

### 5. RESET

- 1) If unit is not working correctly, you should press the RES button. This will reset the radio and should start working correctly afterwards.
- 2) After reset, all settings will resume back to the factory default settings.


## 20.OTHER PLAY MODE

### AUX IN:

### AUX IN OPERATION

- 1) Press "Source" button on remote control or touch "AUX" on the touch screen, to switch to AUX mode.
- 2) This will allow you to listen and or watch any source that you have plugged into this section of the radio.
- 3) This unit has 1 - Video RCA input & 1 pair of Audio RCA's for this feature.

### CCD (Back-Up Camera)

- 1) If there is a back-up camera installed onto your car, you will need to connect it to the CCD video input.
- 2) When you are backing up the car there you will see this image  on your screen.
- 3) You can set CCD image according to your car's own position in general setting mode.



## Contact book mode switching

You can touch this button under the Bluetooth mode to select the next mode.



Touch this function key to search the dialed numbers. Each time this key is touched, the cursor will move to the next dialed number.



Touch this function key to search the received numbers. Each time this key is touched, the cursor will move to the next received number.




Touch this function key to search the missed numbers. Each time this key is touched, the cursor will move to the next missed number.

## Operations and Settings for the Bluetooth Function

### 1. Features of the Bluetooth function


- 1) You can use the function buttons on the unit to receive a call or dial a phone number.
- 2) You can directly use the hand-free microphone to talk on the phone.
- 3) You can use the built-in volume control switch to adjust the volume at will.
- 4) You can switch between the Bluetooth hand-free mode and the cell phone mode.
- 5) You can use your voice to dial a new number (valid only for cell phones with voice dialing function).
- 6) With the Bluetooth function, you can use the Bluetooth microphone in the car to talk with your folks and friends without having to hold your cell phone, so that your hands are dedicated for driving, which is safer and law-observing. In the mean time, magnetic radiation from the cell phone is avoided.

### 2. Bluetooth match conditions

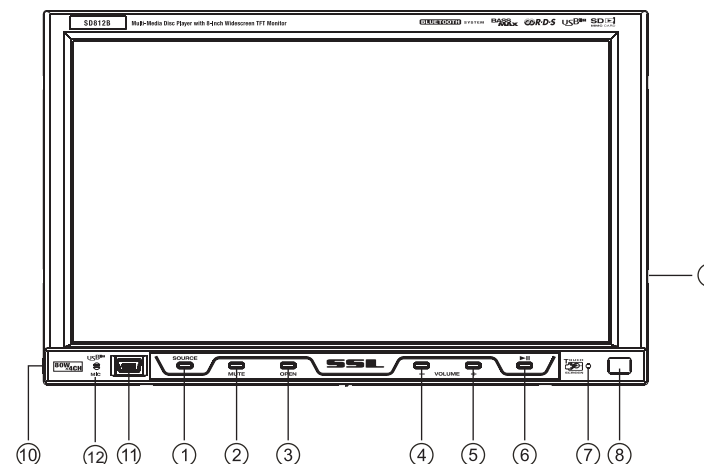
You can shortly touch the Bluetooth function key  under the main menu to directly access the Bluetooth interface.

With a cell phone that supports the function of Bluetooth wireless connection, you can establish a connection between your cell phone and the automobile-loaded unit under the Bluetooth mode to achieve data exchange and synchronization.

### 3. Matching and connections between the cell phone and the Bluetooth of the unit

Set your cell phone to the Bluetooth mode, and use the cell phone to search equipments. After the Bluetooth equipment of the unit is searched, the cell phone will ask you for the Bluetooth password. Press the unit matching setup button , and enter the Bluetooth password (0000) and confirm it, and then the cell phone will ask you whether you authorize the connection with this equipment or not. Please select "YES", and the cell phone will be automatically connected with the said Bluetooth equipment within 30 seconds. "OK LINK" will be displayed on the Bluetooth interface to show that a connection between the cell phone and the Bluetooth device has been successfully established. Under and mode (radio, TV, DVD, etc.), if there is an incoming call to your cell phone which has been stably connected to the Bluetooth device of the unit, the unit will switch from other mode to the Bluetooth mode after the cell phone rings for about 10 seconds. Current mode will be automatically restored after hang-up.

## 6.PANEL ARRANGEMENT



1.SOURCE Button

2.MUTE / TFT on/off Button

3.OPEN Button

4.VOLUME - Button

5.VOLUME + Button

6.PAUSE Button

7.RESET Button

8.REMOTE CONTROL RECEIVER

9.SD Input

10. AUX IN

11.MINI USB PORT

12.MIC input

## BASIC FUNCTION

### 1. SOURCE Button

Press this button to power on. Press it shortly to switch audio source mode. At AUX IN mode, press it longer to power off.

### 2. MUTE / TFT on/off Button

Press this button to shut off the sound output, re-press this button can resume the sound output, long press this button can turn off the TFT LCD display.

### 3. OPEN Button

Press this button can eject the disc.

### 4. VOLUME - Button

Press this button shortly increase volume level one step by one step. Press this button longer increase volume level continuously.

### 5. VOLUME + Button

Press this button shortly decrease volume level one step by one step. Press this button longer decrease volume level continuously.

### 6. PAUSE Button

In playing state, press this button to execute Play/Pause.

### 7. RESET Button

Press this button and this unit will be restored to the initial state.

### 8. REMOTE CONTROL RECEIVER

It is able of receiving infrared signals launched by the remote control matching the unit.

### 9. SD Input

Connect the SD memory card to this socket, and the unit can play MP3 music.

### 10. AUX IN

External connected audio input.

### 11. MINI USB PORT

Connect the USB memory to this socket, and the unit can play music format files supported by this unit in the USB memory.

### 12. MIC input

Bluetooth MIC input.

## 19. BLUETOOTH TOUCH OPERATION



1. Bluetooth hand-free/cell phone switching
2. Matching function during Bluetooth connection
3. Voice dialing function
4. Contact book mode switching
5. Return to the main screen
6. Hand-free key
7. Phone number display
8. Hang-up key
9. Delete key
10. Number keys

### Functions and Descriptions

#### **Bluetooth hand-free/cell phone switching**


If you touch this switching button at the upper-left corner of the screen under the Bluetooth hand-free mode, the speaker will beep and the hand-free mode will be switched to the cell-phone mode.


#### **Voice dialing function**


If you touch the "Voice dial" button at the lower-left corner of the screen under the Bluetooth hand-free mode and the cell-phone mode, you will hear the keying tone, and you can go ahead with the voice dialing function according to the cell-phone instructions. Eg, if you wish to call someone, you can pronounce his/her name stored in the cell phone, then ,the name of the person to be called will be played by the speaker, and the telephone number of this person will be displayed on the screen and automatically dialed.

#### **To cancel voice dialing**

If you wish to disable the voice dialing function in the voice dialing mode, you can press the "Voice dialing" key again, and this function will be disabled after you hearing the keying tone.

 **Hand-free button:** After a phone number is keyed in, press this button to call the user of this phone number. When there is an incoming call. Press this button to connect this call.

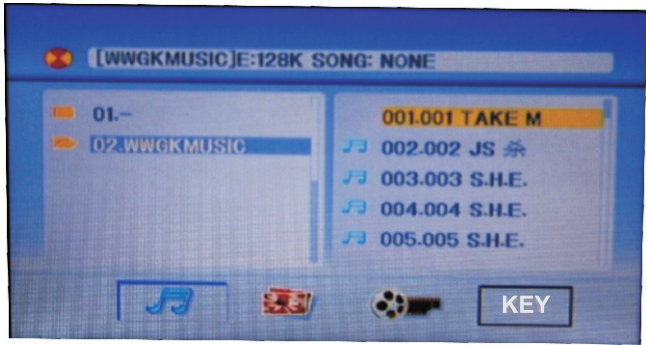
 **Hang-up button:** When there is an incoming call, press this button to hang up or refuse to connect it.

 **Delete button:** When a wrong digit is keyed in, press this button to delete the wrong digit.

**Number keys:** You can use these number keys to enter a phone number.

**Phone number display:** The phone number that you have just entered is displayed here.

18.MP3/USB/SD OPERATION



- 1.Insert SD card or USB, MP3 disc; click the name of the song directly to select the song you want to broadcast. If there are pictures or video document in the disc or SD card, you can select the relative icon to broadcast.
- 2.playback MP4 files,the touch screen into the MP4 format,you can click directly or through remote control and touch button to choose the direction you need MP4 repertoire.
- 3.This interface of DVD touch function will display if you click on KEY.  
(Please refer to the instruction of DVD touch function)  
Note:By a remote control stop button to return to the playback screen.

1.Pause play

In playing mode, press ►II button on remote control, or ►II touch button on display to pause. Press again to back to normal play.

2.Previous/next song play

In playing mode, press SEEK + / SEEK - on remote control, or ►/◄ touch button on display to choose previous/next song.

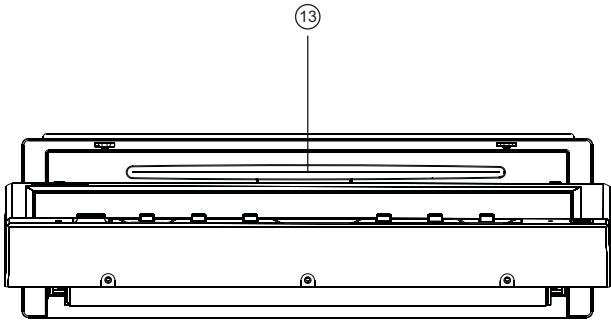
3.Speed forward / backward play

Press SEEK + / SEEK - button on remote control, or ►►/◄◄ touch button on display to speed forward or backward playing.

4. Repeatedly play

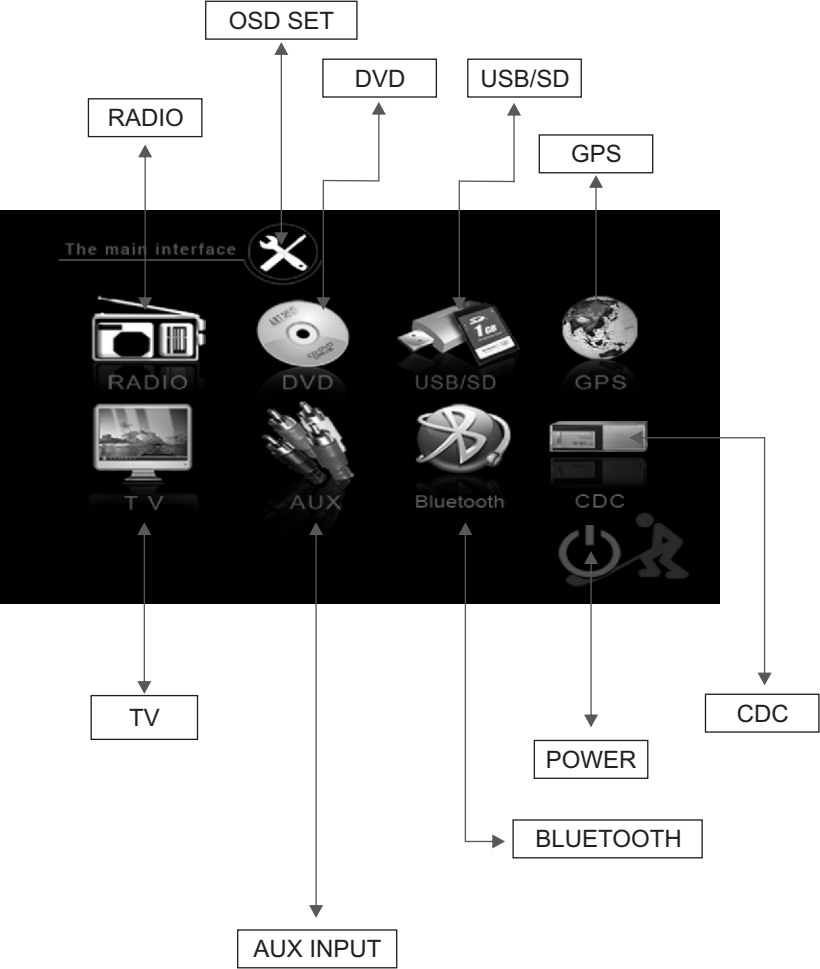
In CD mode, press AMS/RPT button on remote control, to startup following, repeat Mp3 disc: Single song repeat→Directoryrepeat → Repeat play off.

BASE



13. Disc Slot

7.MAIN MENU TOUCH OPERATION (PIC 1)



\* This unit without CDC/TV/GPS function.

10. CD Program Play

In CD mode, you can set the sequence of playing by the program function, the operation is as follows:

When CD is playing, press ST/PROG button, then the display shows:

PROG							
TC		TC		TC		TC	
1	__ : __	5	__ : __	9	__ : __	13	__ : __
2	__ : __	6	__ : __	10	__ : __	14	__ : __
3	__ : __	7	__ : __	11	__ : __	15	__ : __
4	__ : __	8	__ : __	12	__ : __	16	__ : __
PLAY				DELETE			

Input the number of the song you want to program by the remote control, program the first song, input your desired song, for example, the sixth song, and press number button 6 on the remote control. Program the second song, press ▼ button move the cursor to 2[ \_ \_ ]. Input your desired song, for example, the ninth song, press number button 9 on the remote control. Press ► button to program play. Back to the normal mode, press the ST/PROG button, then press ► button. Note: This function can only be worked by the remote control.

## 17.CD BASIC OPERATION (Look at Picture #4)

Slide in CD/MP3 disc, unit will play it automatically. If disc is in slot, press DVD touch button on main menu can to play.

### 1. Repeat Play

In CD/MP3 mode, press AMS/RPT button on remote control, to startup following, repeat CD disc: Single song repeat→ Repeat play off.  
MP3 disc: Single song repeat→Directory repeat→ Repeat play off.

### 2. Fast Forward/Fast Rewind

Press SEEK + / SEEK - button on remote control, or ►►/◄◄ touch button on display to speed forward or backward playing.  
Note: Hold above button a bit longer to operate.

### 3. Previous/Next Song Play

In playing mode, press SEEK + / SEEK - on remote control, or ►►/◄◄ touch button on display to choose previous/next song.

### 4. Pause Play

In play mode, press ►II button on remote control, or ►II button on display to pause. Press again to go back to normal play.

### 5. Stop Play

In play mode:

1) Press ■/◁ button on remote control to enter the pause mode, the position will be stored in unit. At that time, press ►II button on remote control or touch button on display to resume playing at the stored position.

2) Press ■/◁ button on remote control twice to enter into stop mode, here, press ►II button on remote control or touch button on display, unit will play from the first song.

### 6. OSD

In playing mode, short press OSD on remote control to show all information of present disc.

### 7. Randomly Play

In CD mode, press LOC/RDM button on remote control, to instantly play each song. Press again to back to the normal play.

### 8. EQ Mode

1) This function can only be worked by remote control.

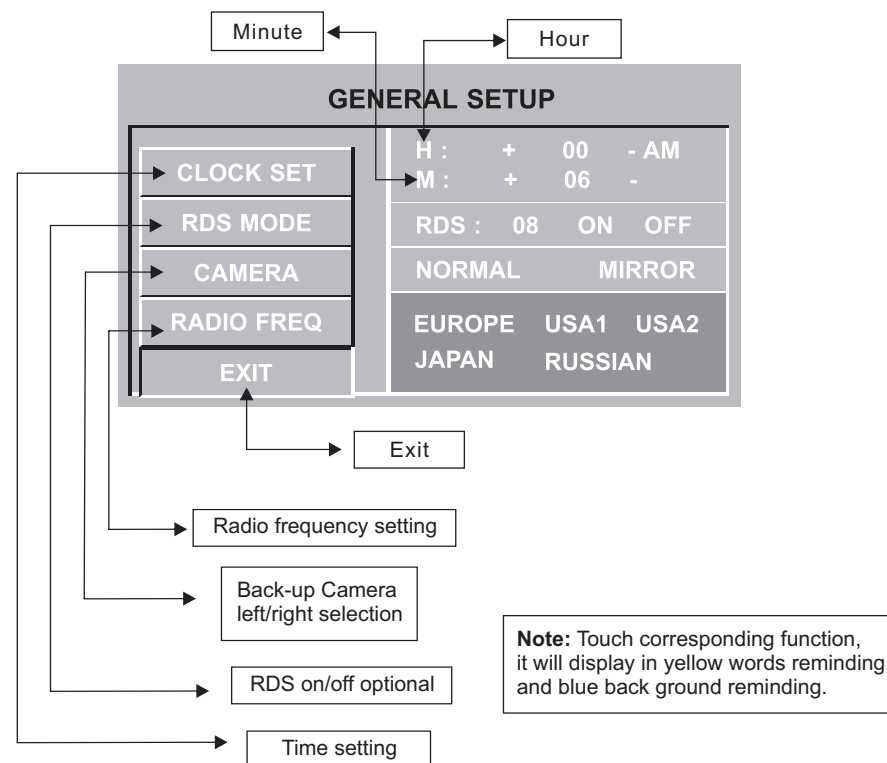
2) When playing CD/MP3, press the "ZOOM" button on the remote control, you can choose the sound mode.

3) When enter this function, press the button ▲/▼/◄/► to move the course to select sound mode which in the system menu, after your selection position will show red color to indicate the confirmation.

### 9. OPEN

Press OPEN button on panel to eject disc.

## 8.OSD SETUP (PIC 2)



**Note:** There are 3 buttons automatically changed according to your setting change in radio state when you activate or exit RDS; Changes are as following:

PTY↔LOUD; TA↔EQ; AF↔ST

### TIME DISPLAY AND ADJUST

Time display: Touch main menu into adjust mode, press time setup button, the corresponding function will be display in yellow words.

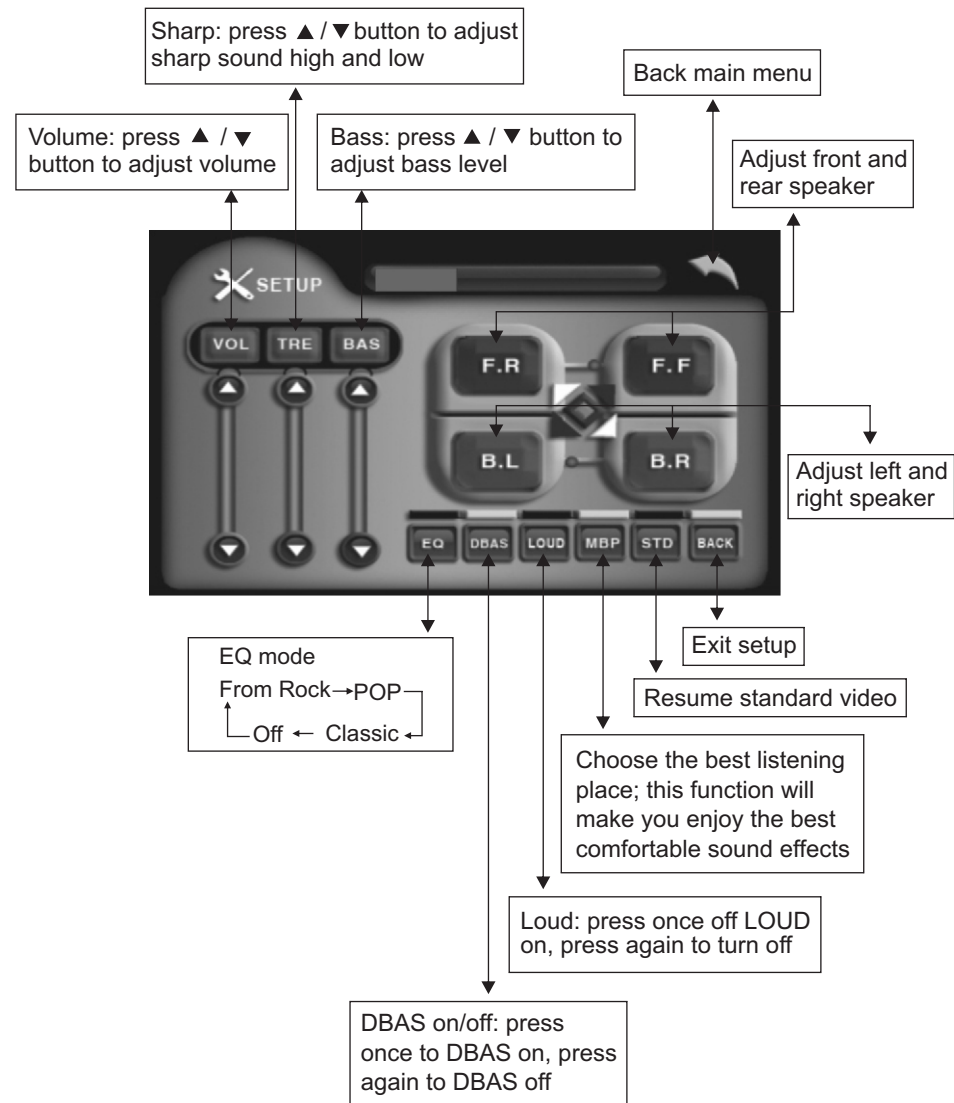
(1)Press "+" on hour to add hour, press "-" to reduce hour;

(2)Press "+" on minute to add minute, press "-" to reduce minute.

**NOTE:** Touch the correspondence function, will be display in green background.

The unit include two times system: Europe time (24 hour setup), America time (12 hour setup). When show the AM mark, it will automatically adjust the time when you activate RDS function or have received RDS radio channels. At no received RDS radio channels or AM state, you should adjust the time.

## 9. ADJUST MODE (PIC 3)



## 14. PBC (MENU) Play

In VCD mode, press this button then play the PBC and display will show whole menu in disc, work with number button to choose song. When you are playing either song of the PBC, and you want to stop to select another song, press the button to turn off.

Note:

- 1) This function can be worked by the control.
- 2) PBC is suitable for the SVCD and VCD 2.0 disc.
- 3) In PBC mode, you can not press number button only to choose song.

## 15. VCD Program Playing

In VCD mode, you can set playing sequence of songs by program play function.

The program playing operation steps are as follows:

In VCD mode, press ST/PTOG button, display will show:

PROG							
TC		TC		TC		TC	
1	__ : __	5	__ : __	9	__ : __	13	__ : __
2	__ : __	6	__ : __	10	__ : __	14	__ : __
3	__ : __	7	__ : __	11	__ : __	15	__ : __
4	__ : __	8	__ : __	12	__ : __	16	__ : __
		PLAY		DELETE			

Input the songs which you want to programmed by the number buttons on remote control. For example: Program the first song, input your desires song, for example, the fourth song, and press number button 4 on the remote control. Program the second song, press ▼ button move the cursor to 2 \_\_\_\_ . Input your desired song, for example, the eighth song, press number button 8 on the remote control. Press ► button to program play. Back to the normal mode, press the ST/PROG button, then press ► button.

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

## INSTRUCTIONS

### 8. OSD

In playing mode, short press OSD on remote control to show all information of present disc.

### 9. Number Buttons

In VCD mode, press 0-9 number button to input song. For example, you want to choose 13th song, press 10+ button, and then press 3 button once to play 13th song.

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

### 10. Repeat Play

In playing mode, press AMS/RPT button on remote control, to startup following, repeat function. Single song repeat → Repeat play off.

Note:

- 1) When playing VCD disc, if PBC is on, no repeat function.
- 2) After unit is power off or mode is switched to other playing mode except VCD mode, if you switch back to VCD mode, repeat playing will be cancelled.

### 11. Randomly Play

In VCD mode, press LOC/RDM button on remote control, to instantly play each song. Press again to back to the normal play.

Note: When VCD disc, if PBC is on, RDM will not work.

### 12. Switch Track

In VCD mode, press AUDIO button on remote control to switch track as following sequence:

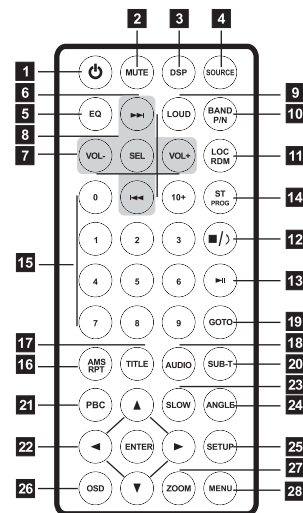


### 13. OPEN

Press OPEN button on panel to eject disc.

## INSTRUCTIONS

## 10.REMOTE CONTROL FUNCTION



1 POWER ON/OFF	15 0-10+
2 MUTE	16 AMS/RPT
3 TIME DISPLAY	17 TITLE
4 SOURCE	18 AUDIO
5 EQ	19 SET PLAYING TIME
6 SEEK+/SEEK-	20 SUBTITLE
7 VOL+/VOL-	21 PBC/MENU
8 SEL	22 UP/DOWN/L/R ENTER
9 LOUD	23 SLOW
10 BAND/ P/N	24 ANGLE
11 LOC / RDM	25 SET UP
12 STOP	26 OSD
13 PLAY/PAUSE	27 ZOOM
14 ST/PROG	28 MENU

### 4. SOURCE Button

Press this button to choose audio sources.

### 5. EQ Button

Press this button to choose POP, ROCK, EQ off.

### 6. SEEK + ( >> ) / SEEK - ( << ) Button

Press this button to manual turning, speed or quick back, previous song and next song.

### 7. VOL + ( → ) / VOL - ( ← )

Press this button to increase or decrease volume level.

### 8. SEL Button

Press this button to choose sound feature.

### 9. LOUD Button

Press this button to startup LOUD function.

### 10. BAND - P/N Button

In radio mode, press this button to choose band. In VCD, DVD mode, press this button to choose AUTO, PAL or NTSC system.

### 11. LOC/RDM Button

In radio mode, press this button to switch between local and direction. In VCD, CD mode, press this key to randomly play.

### 12. STOP Button

Press this button to stop playing.

### 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. DSP

Press this button to show the time.

### 13. PLAY/PAUSE Button

Press this button to switch between play and pause. In stop mode, press this button to play.

### 14. ST/ PROG Button

In radio mode, press this button to choose stereo or mono station. In audio mode, it can help STOP button to programmed play.

## INSTRUCTIONS

### 15. 0 - 10 + Button

Press this button to choose desired song, section, preset stations.

\* Decimal numbers, for example the 19th song, press 1,9 button;

\* Centesimal numbers, for example, the 120th song, press 1,2,0 button.

### 16. AMS / RPT Button

In radio mode, press this button to browse stored stations. In audio mode, press this button to play repeatedly.

### 17. TITLE Button

In DVD mode, press this button to play back to the top menu of disc.

### 18. AUDIO Button

In DVD mode, press this button to switch language of dialogue. In VCD mode, press this button to choose left track, right track, and stereo.

### 19. SET Playing Time

In DVD mode, press this button, you can define playing time.

### 20. SUBTITLE Button

In DVD mode, press this button to switch language of subtitle.

### 21. PBC Button

In VCD mode, press this button to display all song menus, work with number button to choose songs.

### 22. UP, DOWN, LEFT, RIGHT, ENTER Button

In DVD mode, press this button to move cursor up, down, left, right to choose item in menu. Press the enter button to confirm choice.

### 23. SLOW Button

In audio mode, press this button to slow backward and slow forward.

### 24. ANGLE Button

In DVD mode, press this button to change play angle.

### 25. SETUP Button

In audio mode, press this button to choose different set items.

### 26. OSD Display

Press this button to display the title chapter and the left time.

### 27. ZOOM Button

In DVD/VCD mode, press this button to ZOOM in. In CD/MP3/USB/SD mode, press this button to choose EQ.

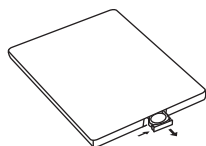
### 28. MENU Button

Press button to back to the main menu.

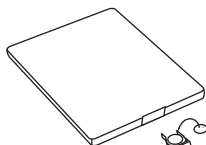
### BATTERY CHANGE

When control distance of remote control becomes shorter or no function, please change battery. Please confirm polarity before change.

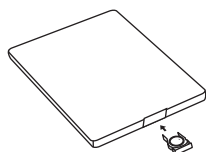
One hand press stopper, then pull out battery.



Put battery into controller.



Insert battery holder into controller.



## INSTRUCTIONS

### 16.VCD BASIC OPERATION (Look at picture #4)

Slide in the VCD disc, it will play it automatically. If the disc is in slot, press DVD touch button on main menu can to play.

#### 1. Pause Play

In playing mode, press ►|| button on remote control, or ►|| on display to pause. Press again to back to normal play.

#### 2. Stop Play

In playing mode, 1) Press ■/〉 button on remote control to enter the pause mode, the position will be stored in unit. At that time, press ►|| button on remote control or touch button on display to resume playing at the stored position.

2) Press ■/〉 button on remote control twice to enter into stop mode, here, press ►|| button on remote control or touch button on display, unit will play from the first song.

#### 3. Fast Forward/Rewind Function

In playing mode, press SEEK + button on remote control, or ►► touch button on display to speed play.

When you need quick back, press SEEK - button on remote control, or ◀◀ touch button on display to quick back play.

Note: Hold above button a bit longer to operate.

#### 4. Previous/Next Song Play

In playing mode, press SEEK + / SEEK - on remote control, or ►| / ◀ touch button on display to choose previous/next song.

#### 5. Switch System

In playing mode, short press the BAND/P/N button on remote control, to select PAL, AUTO, NTSC TV system.

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

#### 6. Slow Play

Press SLOW button on remote control to slow play. The level of slow playing is as follows.

Sequence is : SLOW 1/2 → SLOW 1/3 → SLOW 1/4 → SLOW 1/5  
PLAY ← SLOW 1/7 ← SLOW 1/6 ←

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

#### 7. Zoom In / Zoom Out

Press ZOOM button on remote control to zoom in / zoom out the picture. The levels are as follows:

ZOOM IN 2 → ZOOM IN 3 → ZOOM IN 4 → ZOOM IN 1/2  
ZOOM IN OFF ← ZOOM IN 1/4 ← ZOOM IN 1/3 ←

Note:

1. This function can only be worked by the remote control.

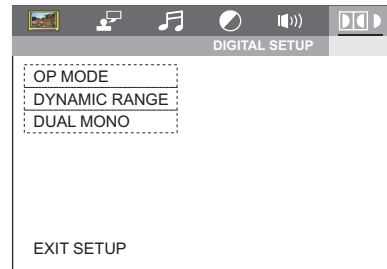
2. Image which is zoomed in can be moved by up/down/left/right cursor to move.

3. Image which is zoomed out cannot be moved.

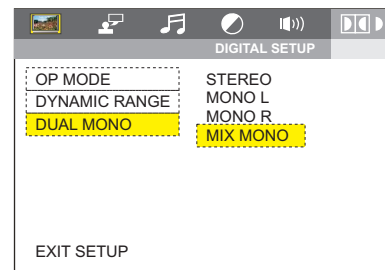
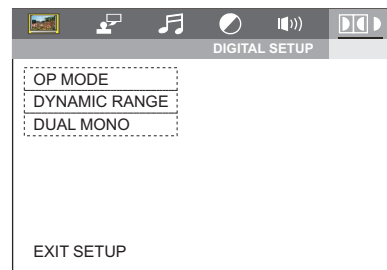
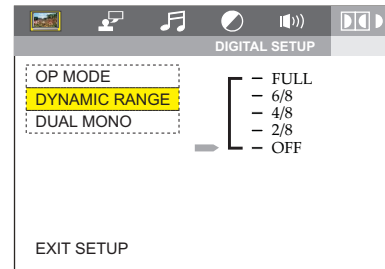
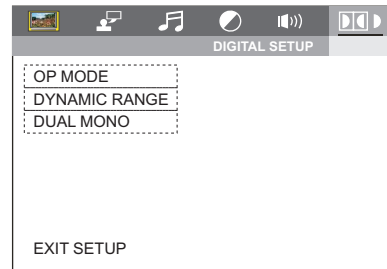
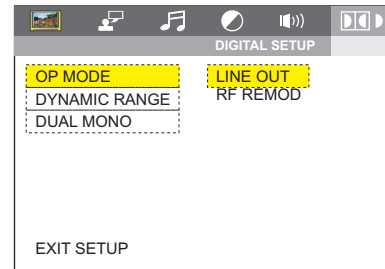
# INSTRUCTIONS

## DIGITAL SETUP

1. Press ▲ or ▼ button

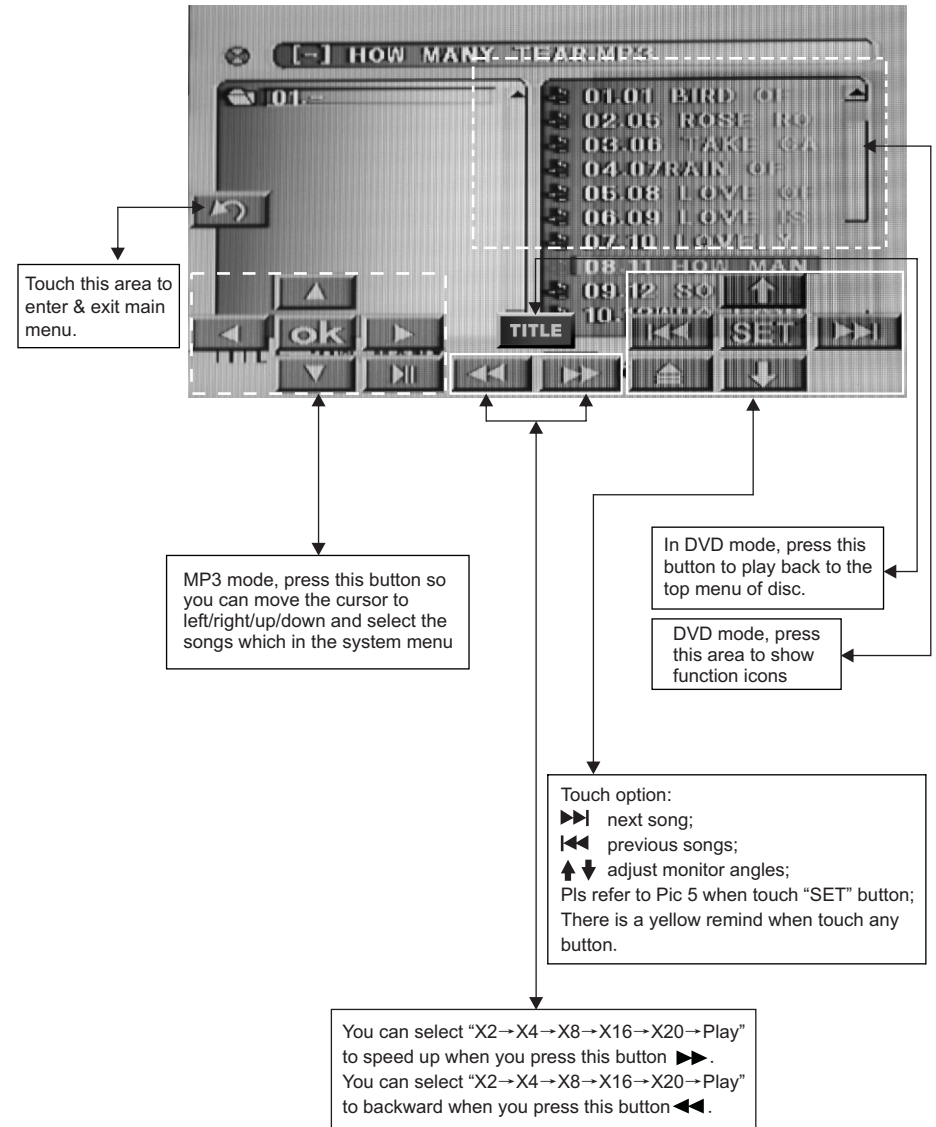


2. Press ▲/▼/◀/▶ button, then to enter.



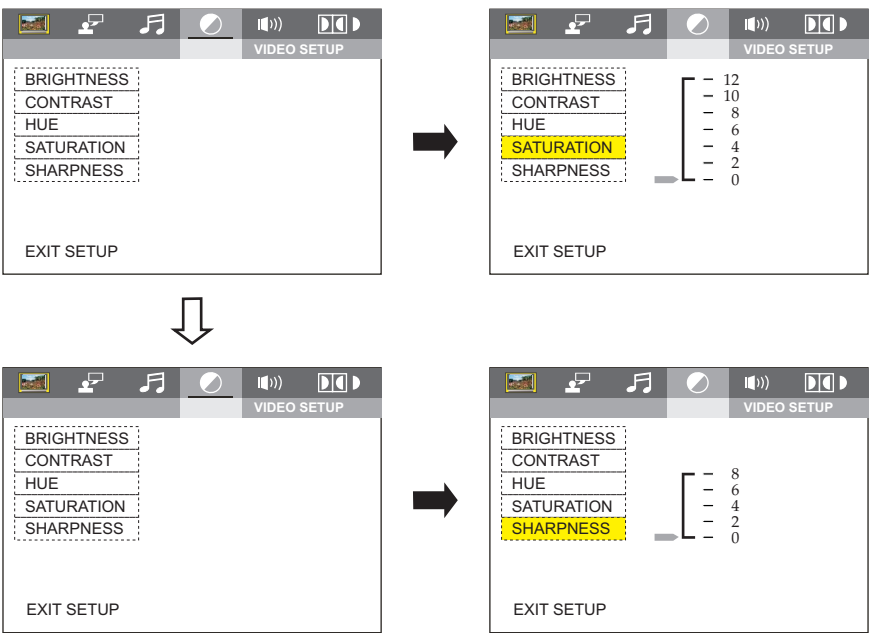
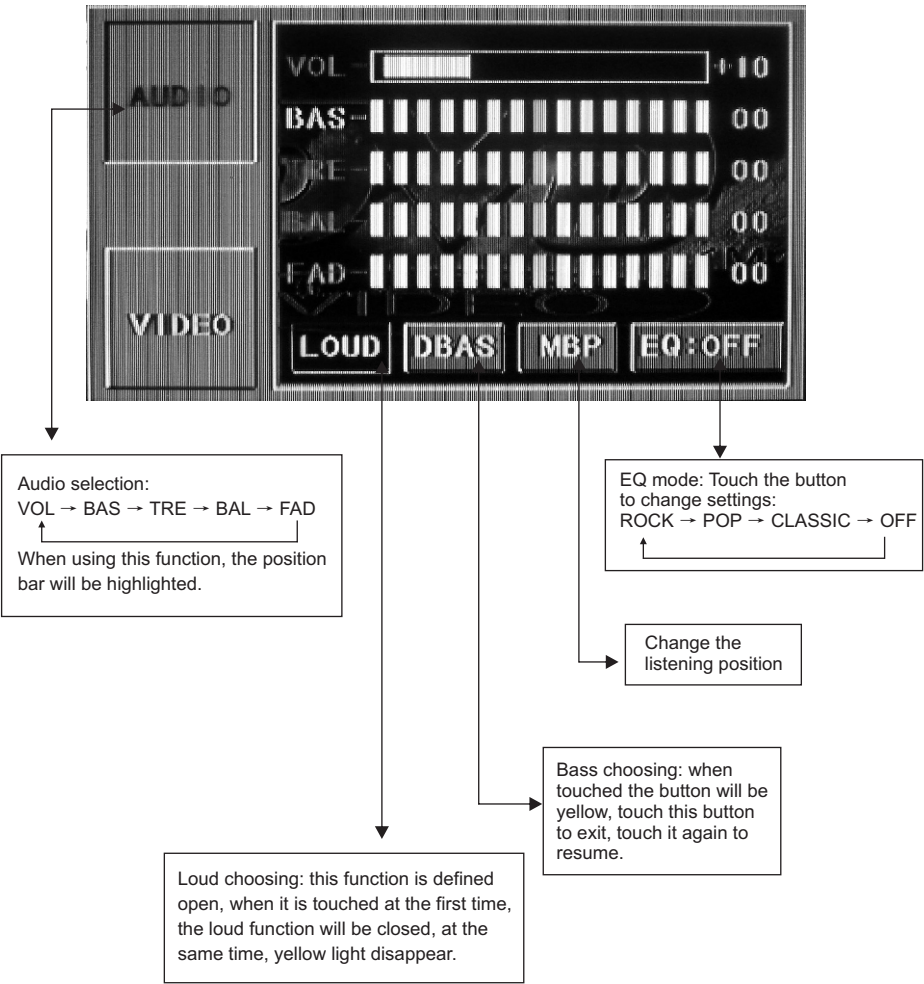
# INSTRUCTIONS

## 11. TOUCHSCREEN DISPLAY FOR DISC PLAYBACK (PIC4)



12.DVD MODE (PIC 5)

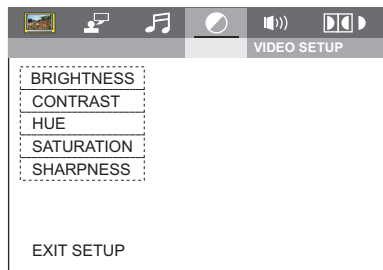
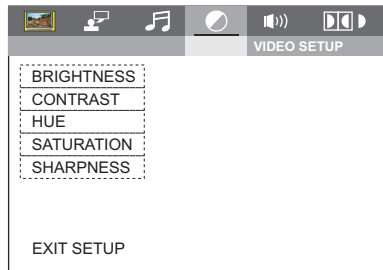
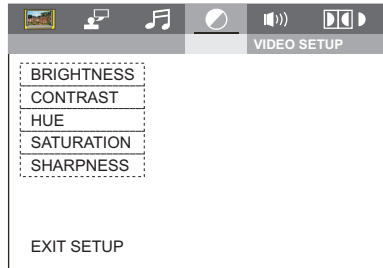
AUDIO SETTING ON TOUCH SCREEN



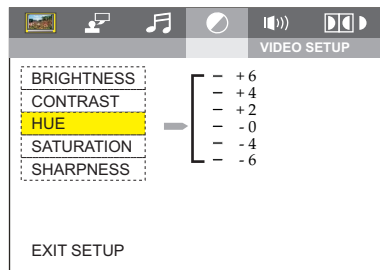
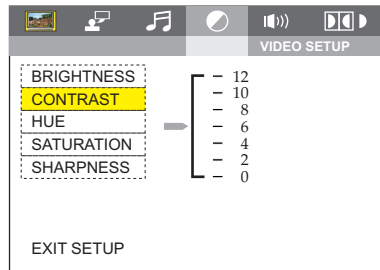
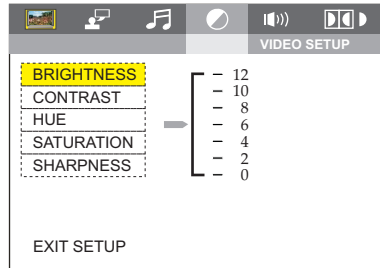
# INSTRUCTIONS

## VIDEO SETUP

1. Press ▲ or ▼ button

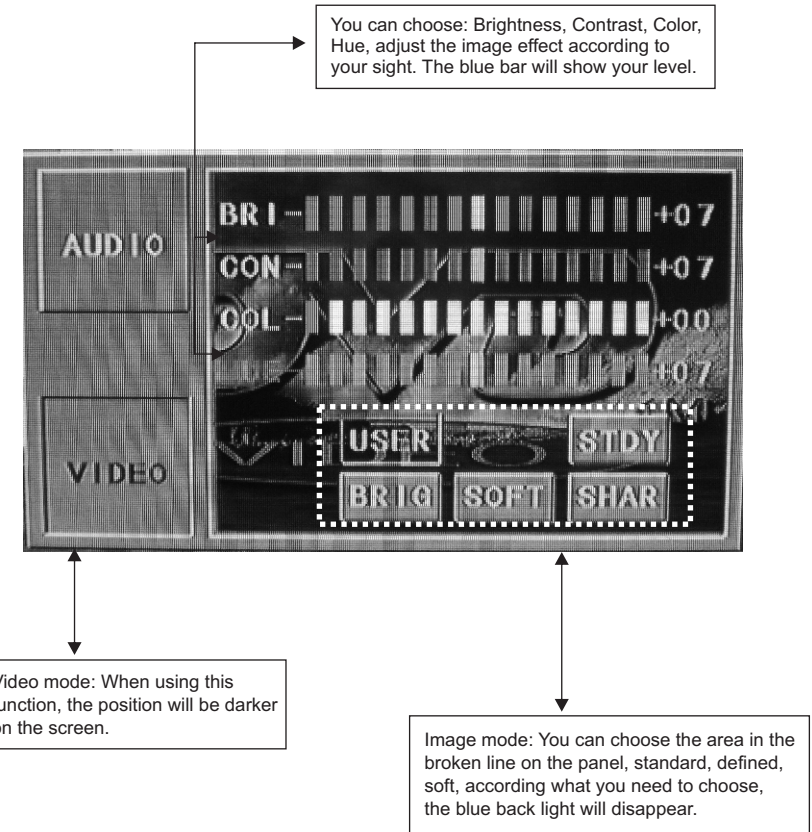


2. Press ▲/▼/◀/▶ button, then to enter.

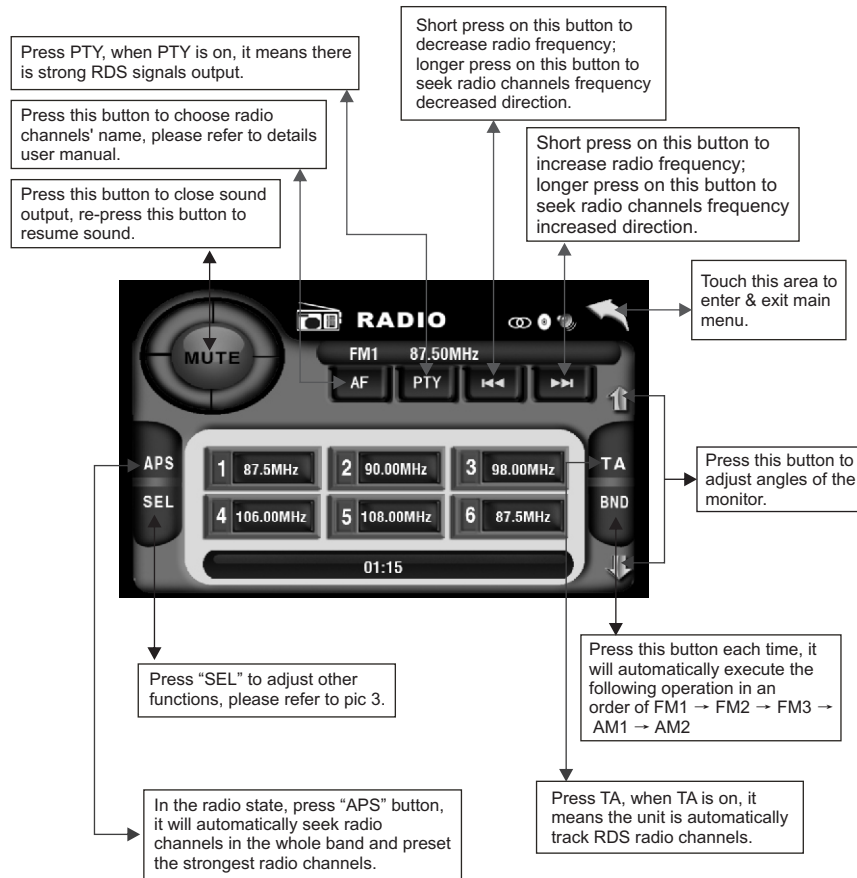


# INSTRUCTIONS

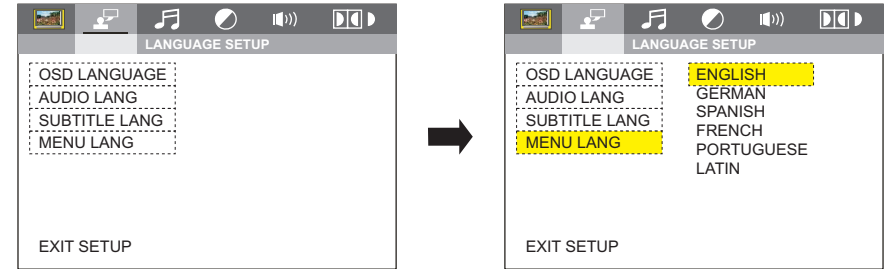
## VIDEO SETTING ON TOUCH SCREEN



## 13.RDS USER OPERATION (PIC 6)

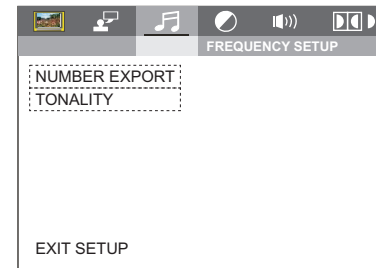


For details of RDS operation, please refer to other instruction

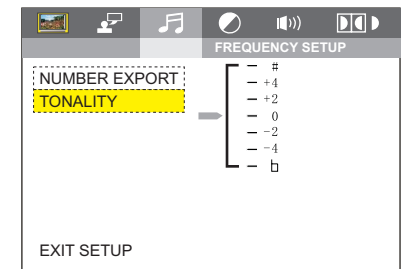
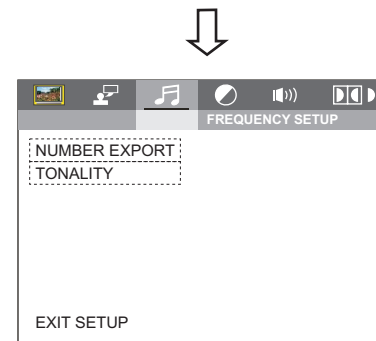
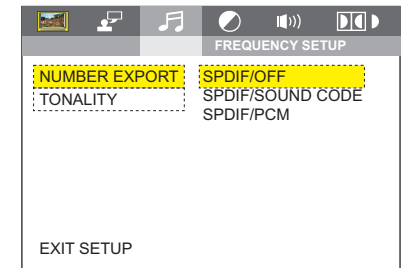


## FREQUENCY SETUP

1. Press ▲ or ▼ button

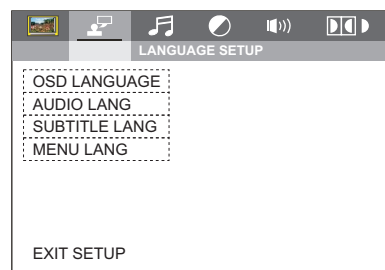


2. Press ▲/▼/◀/▶ button, then to enter.

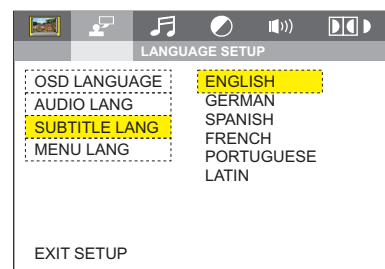
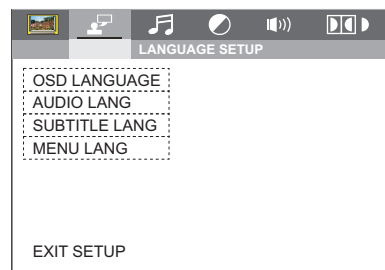
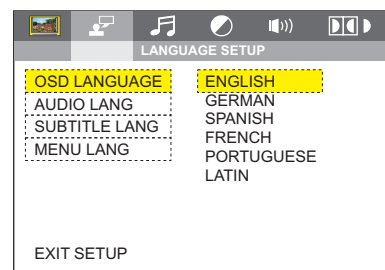


## LANGUAGE SETUP

1. Press ▲ or ▼ button



2. Press ▲ / ▼ / ◀ / ▶ button, then to enter.



## RDS

### 1. EON (RDS Mark)

Indicate main unit is on auto tracking RDS mode.

### 2. AF (RDS Auto Tracking Mark)

Indicate radio is auto tracking RDS channel.

### 3. TA (RDS Signal Increasing Output)

Indicate RDS channel have signal increasing output.

### 4. TP (RDS Channel Stereo Mark)

Indicate RDS channel is on stereo playing mode.

### 5. POP.M (RDS Channel Mark)

Indicate RDS channel name.

### 1. RDS Tracking System

Press AF button in FM mode, and then press ◀ / ▶ last 2 minutes, RDS will auto search channel up and down, it will stop searching when RDS channel be founded, but "AF" will keep remaining on the screen and waits for the next traffic emergency report.

### 2. RDS Tracking on Playing Mode

In playing mode, "AF" tracking system keeps on opening and waits for traffic emergency report.

1) PTY: RDS button, press once will show music mode POP, press 1-6 function memory button, every group have 2 channel.

POP M	ROCK M	EASY M
LIGHT M	CLASSICS M	OTHER M
JAZZ	COUNTRY	NATION

2) Press PTY button twice and then press 1-6 function memory button, every button have 3 channel.

NEWS	AFFAIRS	INFORMATION	SPORT
EDUCATION	DRAMA	CULTURE	SCIENCE
CHILDREN	SOCIETT	RELIGION	PHONING
TRAVEL			

**Note:** RDS channel in broken line is available.

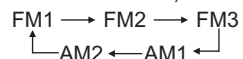
AF: RDS auto search button, in radio mode also can press this button shortly auto tracking RDS channel, press this button shortly can cancel RDS function.

TA: In RDS mode, press this button can output TA signal, and check RDS channel is exist or not, if no RDS signal TFT will show "NO.TA.TP".

## 14. RADIO OPERATION (Please look at picture #6)

### 1. Band Selection

In radio mode, press BAND button, BAND/P/N button on remote control, or touch position on screen every time to choose band, the sequence is as follows:



### 2. Adjust Frequency

#### Manually Adjust Frequency:

Press SEEK + button on remote control, or ►► touch button on display shortly every time, frequency will increase one step by one step till you get desired frequency. Press SEEK - button on remote control, or ◄◄ touch button on display shortly every time, frequency will decrease on step by step till you get desired frequency.

#### Search Station:

Press SEEK + / SEEK - button on remote control, or ►► / ◄◄ touch button on display shortly every time to search station in up/down direction. When get one station, it will auto stop searching.

### 3. Browse / Auto Search and Store Station

- 1) In radio mode, press AMS/RPT button on remote control, or APS button on display shortly to browse preset station on 1-6;
- 2) In radio mode, press AMS/RPT button on remote control, or APS button on display longer to auto search in whole band from present frequency and store 6 most strong frequency on 1-6;
- 3) This unit has FM1, FM2, FM3, AM1, AM2 Bands. Each band can store 6 stations, so a total 30 preset stations.

**Note:** After preset station, unit will cancel the former preset stations.

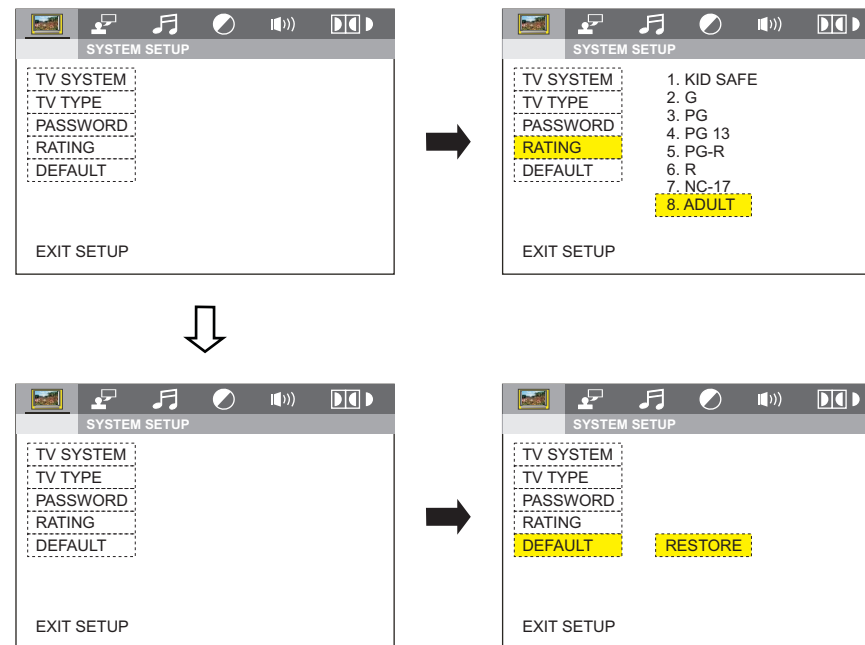
### 4. Mono/Stereo Selection

In radio mode, press ST/PTOG button on remote control or ST touch position on display to choose mono/stereo program.

Note: In radio mode, start up the stereo function automatic, touch the ST button again on the display, the TFT display will show the ST OFF & MOMO mark, that is to turn off the stereo. When the right under foot appear the MONO mark, it show the MONO on.

### 5. Manual Preset and Store Station

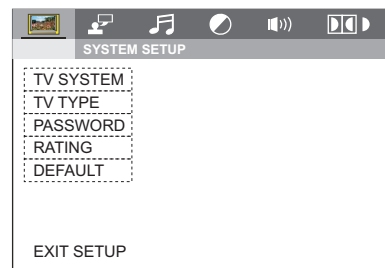
In radio mode, press 1-6 button on remote control, or 1-6 position on display longer to store preset frequency into preset channel. For example, the present frequency is 89.8MHz, press 2 button longer, then 89.8MHz frequency is stored in 2 channel.



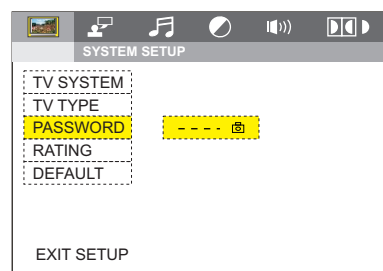
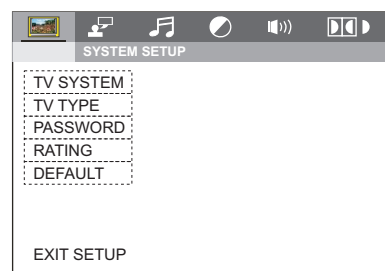
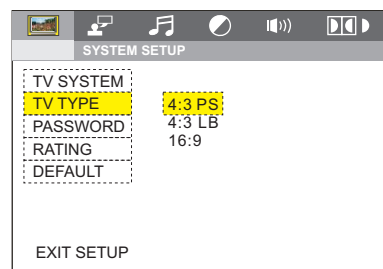
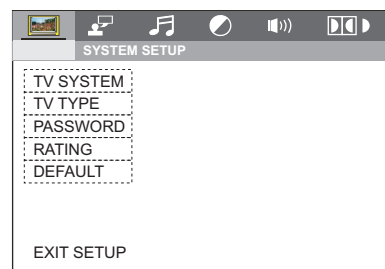
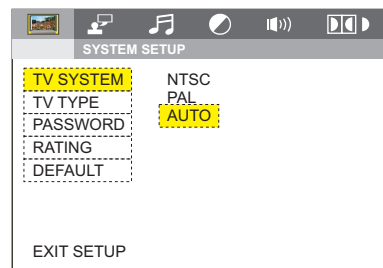
# INSTRUCTIONS

## SYSTEM SETUP

1. Press ▲ or ▼ button



2. Press ▲/▼/◀/▶ button, then to enter.



Note:  
1. After input code "0000" press ENTER button to turn on child lock;  
2. Move cursor to level item, choose desired level;  
3. Only child lock is in can you choose.

# INSTRUCTIONS

## 15.DVD BASIC OPERATION (Please link with touch operation at pic 4)

Slide in DVD disc, unit will play it automatically. If disc is in slot, press DVD touch button on main menu to play disc.

### 1. Pause Play

In playing mode, press ►II button on remote control, or ►II on the display to pause. Press again to go back to normal play.

### 2. Stop Play

In playing mode, 1) Press ■/〉 button on remote control to enter the pause mode, the position will be stored in unit. At that time, press ►II button on remote control or touch button on display to resume playing at the stored position.  
2) Press ■/〉 button on remote control twice to enter into stop mode, here, press ►II button on remote control or touch button on display, unit will play from the first song.

### 3. Fast Forward/Fast Backward Play

In playing mode, press SEEK + button on remote control, or ►► touch button on display to speed play.  
When you need quick back, press SEEK - button on remote control, or ◀◀ touch button on display to quick back play.  
Note: Hold above button a bit longer to operate.

### 4. Previous/Next Song Play

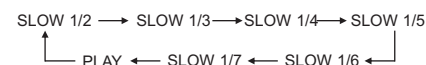
In playing mode, press SEEK + / SEEK - on remote control, or ►►/◀◀ touch button on display to choose previous/next song.

### 5. Switch System

In playing mode, short press the BAND/P/N button on remote control, to select PAL, AUTO, NTSC TV system.  
Note: This function can only be worked by the remote control.

### 6. Slow Play

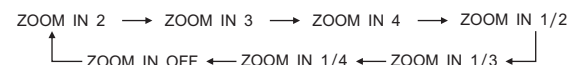
Press SLOW button on remote control to slow play. The level of slow playing is as follows.  
Sequence is :



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

### 7. Zoom In/Zoom Out

Press ZOOM button on remote control to zoom in / zoom out the picture. The levels are as follows:



Note:

1. This function can only be worked by the remote control.
2. Image which is zoomed in can be moved by up/down/left/right cursor to move.
3. Image which is zoomed out cannot be moved.

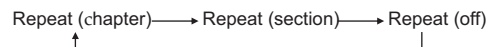
# INSTRUCTIONS

## 8. OSD

In playing mode, short press OSD on remote control to show all information of present disc.

## 9. Repeatedly Play

In play mode, press AMS/RPT button on remote control to start up follow repeat function.



## 10. Angle Switch

If the DVD disc is recorded with multi-angles, you can press the ANGLE button to switch the angle during playing.

The sequence is as follow:

ANGLE 1 → ANGLE 2 → ANGLE 3

Note:

1. It just can be worked by the remote control.
2. It is only for the DVD disc which has multi-angle.
3. If there is a sign on the cover of the DVD disc. The number in the sign means how many angles the disc has.
4. You can not switch the angle when slow playing.

## 11. Multi-Audio

There are different languages of dialogue and audio systems in DVD disc.

If the DVD disc is recorded with multi-audio, you can switch the language of dialogue and the audio systems when playing.

Press the AUDIO button repeatedly to change the language of dialogue.

Note

1. It just can be worked by the remote control.
2. It is only for the DVD disc which has multi-language.
3. If there is a sign on the cover of the DVD disc, means that it was recorded by multi-language/audio system.
4. In VCD mode, press the AUDIO button to select the L/R or STEREO track.

## 12. Multi-Subtitle

If the DVD disc is recorded with multi-subtitle, you can switch the languages of subtitle.

Press the sub-t button repeatedly to change the language.

Note:

1. It just can be worked by the remote control.
2. It only for the DVD disc which is recorded with multi-wubtitle.
3. If there is a sign on the cover of the DVD disc means that it has several subtitle.

## 13. Title Select

In DVD mode, press TITLE button to back to the title menu. Display shows all the titles of the disc. You can select the chapter you want by the cursor, press play button to play the chapter.

Note: It just can be worked by the remote control.

# INSTRUCTIONS

## 14. MENU Select

In playing mode, press PBC button on remote control to back to the menu, display will show chapter and section in disc. Work with / button on remote control or touch button on display to choose your desired song. Press button / ENTER button to play.

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

OPEN: Press OPEN button on panel to eject disc.

## 15. Program Play

In DVD mode, you can set the sequence of playing by the program function, the operation is as follow:

PROG			
TC	TC	TC	TC
1 <u>0 1</u> : <u>0 3</u>	5 ____ : ____	9 ____ : ____	13 ____ : ____
2 <u>0 1</u> : <u>0 6</u>	6 ____ : ____	10 ____ : ____	14 ____ : ____
3 ____ : ____	7 ____ : ____	11 ____ : ____	15 ____ : ____
4 ____ : ____	8 ____ : ____	12 ____ : ____	16 ____ : ____
	PLAY	DELETE	

When DVD is playing, press ST / PROG button, then display shows:

For example, program the first song, input 01, press button move the cursor to the second lattice, input desired song, for example, the third song. Program the second song, press button, move the cursor to 2 : . input 01, press button move the cursor to the second lattice, input desired song, for example, the 6<sup>th</sup> song (press 6). Press button to program play. Back to the normal mode, press the ST/PROG button, then press button.

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

## 16. Digital Album

Play the disc contains JPEG pictures, read the picture menu first.

1. Press button on remote control, the pictures will be browsed automatically. (It also can be worked to press number 6 button on the unit.)
  2. Press ENTER button on the remote control, it can be manual browsed by SEEK + and SEEK -.
  3. ZOOM in picture function: During auto browsing, press pause button stop the screen, press ZOOM button to zoom in or zoom out the picture. During manual browsing, you can press ZOOM button to zoom in or zoom out picture directly.
  4. Under zoom in picture, you can move the picture by .
- Note: You can not move picture in normal mode and zoom out mode.

## 17. Setup

Press SETUP button, display will show the system set up menu and the submenu, select the item you want by , after selecting the proper item, press / / / to press ENTER to confirm.

Note:

1. It just can be worked by the remote control.
  2. Some function setting maybe different because of the different model or disc.
  3. If the selected language is not recorded in the disc, then unit will show the appointed language,
  4. About the "SETUP", please read the follow.
- Press "SETUP" on the remote control, it will appear the following touch menu: