

User's Manual

BV7989

**IN-DASH DVD/MP3/CD RECEIVER
WITH 4.5" WIDESCREEN
TOUCH SCREEN TFT MONITOR
WITH USB AND SD MEMORY CARD PORTS
AND FRONT PANEL AUX INPUT**

RDS EUROPEAN FREQUENCY MODEL



BV7989

**IN-DASH DVD/MP3/CD RECEIVER
WITH 4.5" WIDESCREEN TOUCH SCREEN TFT MONITOR
WITH USB AND SD MEMORY CARD PORTS
AND FRONT PANEL AUX INPUT**

RDS EUROPEAN FREQUENCY MODEL

12.2008



iPod is a trademark of Apple, Inc., registered in the U.S. and other countries.

tech support: www.bossaudio.com/support

BOSS[®]

AUDIO SYSTEMS

BOSS Audio Systems • 3451 Lunar Court • Oxnard, CA 93030
www.bossaudio.com

800.999.1236

BOSS[®]

AUDIO SYSTEMS

17
18
19
20
21
22
23
24
25
26



BV7989

*In-Dash DVD/MP3/CD Receiver
With 4.5" Widescreen
Touch Screen TFT Monitor*

CONTENTS

Welcome	3
Warning	3
Note	4
Features	5
Basic Operation	6
Panel Arrangement	7
Basic Functions	8
Main Menu Touch Operation	10
OSD Setup	11
Adjust Mode	12
Remote Control Function	13
Loading	15
Disc Play Touch Operation	16
DVD Mode	17
RDS User Operation	19
Radio Operation	21
DVD Basic Operation	22
VCD Basic Operation	32
CD/MP3 Basic Operation	35
Music Surroundings Setting	37
EQ Setting	38
Audio Frequency/Tone	39
Other Play Mode	40
Trouble Shooting	41
Wiring Diagram	42
Specifications	43
Accessory	44

WELCOME

Thank you for choosing Boss Audio for your 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!

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.

INSTRUCTIONS

NOTE

- This unit can play the following disc

MODE	ICON	CONTENT	DISC SIZE
DVD		Sound, image	12cm
VCD		Sound, image	12cm
MP3	<i>MP3</i>	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.

ACCESSORY

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

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)

LCD DISPLAY

1. 4.5" - 16:9 TFT LCD Display
2. Touchscreen

INSTRUCTIONS

BASIC OPERATION

1. SOURCE ON/OFF

Press POWER button on panel or SOURCE button on remote control quickly to power on.
Press POWER 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

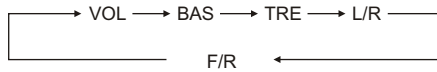
Press MUTE button on panel or MUTE button on remote control shortly to turn off sound output, press again to back to sound output.

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.

INSTRUCTIONS

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	20-30Buv
Distortion rate	1.5%

AM tuner

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

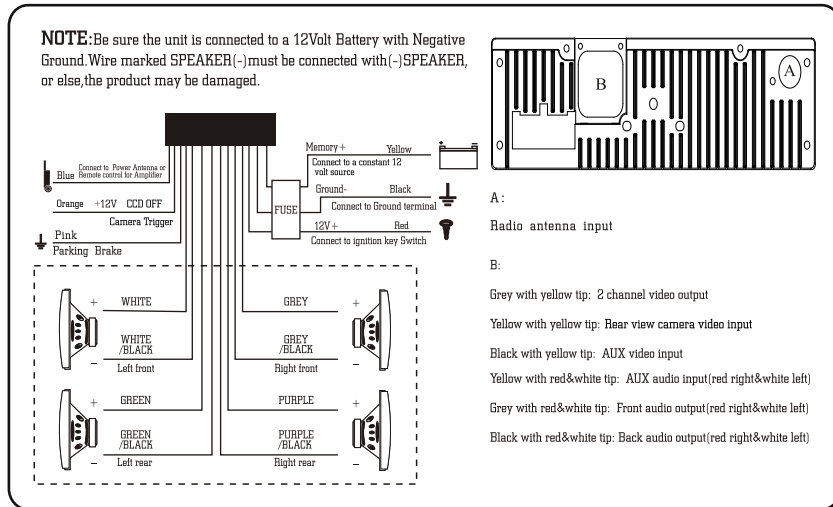
DVD PLAYER

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

WIRING DIAGRAM

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

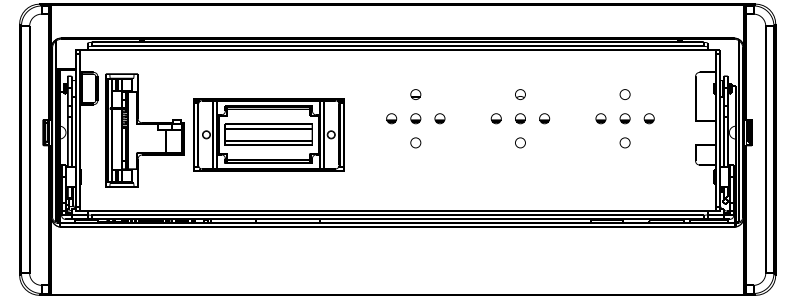
- Red - ACC ON (+12V)
- Yellow – 12 V Constant
- Black – Ground wire
- Blue - Power Antenna / Remote Amp Turn On
- Orange – Back-Up Camera Trigger (+)
- Grey/Grey black - Right front speaker (+/-)
- White/White black - Left front speaker (+/-)
- Purple/Purple black - Right rear speaker (+/-)
- Green/Green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



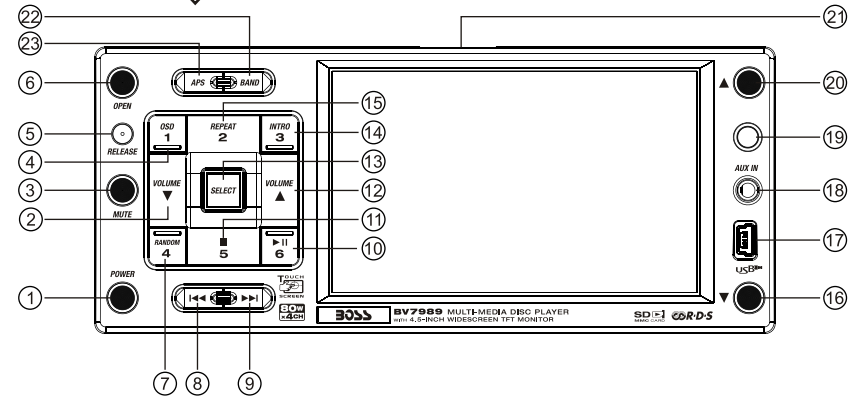
Note:

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.

PANEL ARRANGEMENT



Detachable front panel
 Press **RELEASE** button to take off the panel.



- | | |
|---------------------------------|--------------------------------|
| 1. POWER Button | 13. SELECT Button |
| 2. VOL - Button | 14. Number Button 3/INT |
| 3. MUTE Button | 15. Number Button 2/RPT |
| 4. Number Button 1/OSD | 16. DOWN Button |
| 5. Panel Release Button | 17. USB Socket |
| 6. OPEN Button | 18. Aux In Jack |
| 7. Number Button 4/RDM | 19. IR Eye Window |
| 8. SEEK - Button | 20. UP Button |
| 9. SEEK + Button | 21. SD Slot |
| 10. Number Button 6/PALY | 22. Band Button |
| 11. Number Button 5/STOP | 23. APS Button |
| 12. VOL + Button | |

INSTRUCTIONS

BASIC FUNCTION

1. POWER Button (Power button / audio mode switching 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. VOL - Button

Press this button to reduce the volume.

3. MUTE Button

Press this button to shut off sound output, repress this button to resume sound output.

4. Number Button 1/OSD

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to display the disc location and playing time of the current music.

5. Panel Release Button

Press this button to release the panel.

6. OPEN Button

In other audio source, press this button to slide up or down display. At that time, load disc, unit will play if and close the display. If there is a disc inside, unit will auto eject disc.

7. Number Button 4/RDM (Random playback)

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to play frocks on the disc in random order.

8. SEEK - Button

At radio state, press this button to manual seek radio frequency to forward direction;
long press this button to automatically seek radio frequency to forward direction;
At voice playing state, short press this button to select the previous song;

9. SEEK + Button

At radio state, press this button to manual seek radio frequency to backward direction,
long press this button to automatically seek radio frequency to backward direction;
At voice playing state, short press this button to select the next song;

10. Number Button 6/PALY

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button for Play/Pause.

11. Number Button 5/ STOP

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button for to stop playback.

12. VOL + Button

Press this button to increase the volume.

13. SEL Button

Press this button to adjust each function setting according to everyone's favorite. After you choose one function setting mode, you can use voice adjust button for adjustment.

14. Number Button 3/INT (Intro Scan)

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to start or stop the intro scan function.

INSTRUCTIONS

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


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.

15. Number Button 2/RPT (Repeat Playback)

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to repeat the current track indefinitely.

16. DOWN Button

Short press this button to make the monitor downwards steply;
Long press this button to make the monitor downwards to the lowest position.

17. USB Socket

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

18. Aux In Jack

External connected audio input.

19. Reception Window of Remote Control (IR)

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

20. UP Button

Short press this button to make the monitor upwards steply;
Long press this button to make the monitor to the top position.

21. SD Slot

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

22. Band Selection Button

In radio mode, press this button to switch bank, every time to choose band, the sequence is as follow: FM1 → FM2 → FM3 → AM1 → AM2



In playing state, press this button to switch video system, AUTO, NTSC, PAL.

23. APS (Browse/Auto Scan & Store Radio Stations/Display)

In radio state, short press this button to browse the radio stations which stores on the No buttons for 5 seconds, long press this button to auto scan & store radio stations.

In playing state, press this button to select menu stereo.

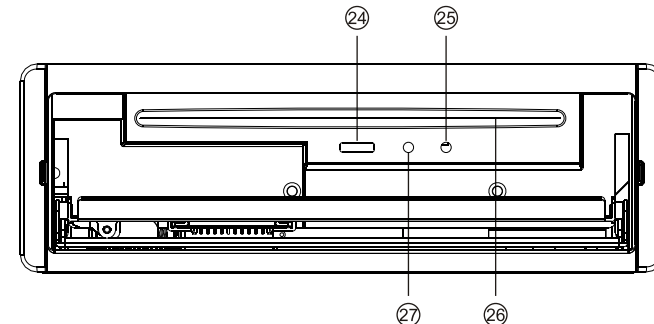
24. Slot Indicator Light

25. RESET Light

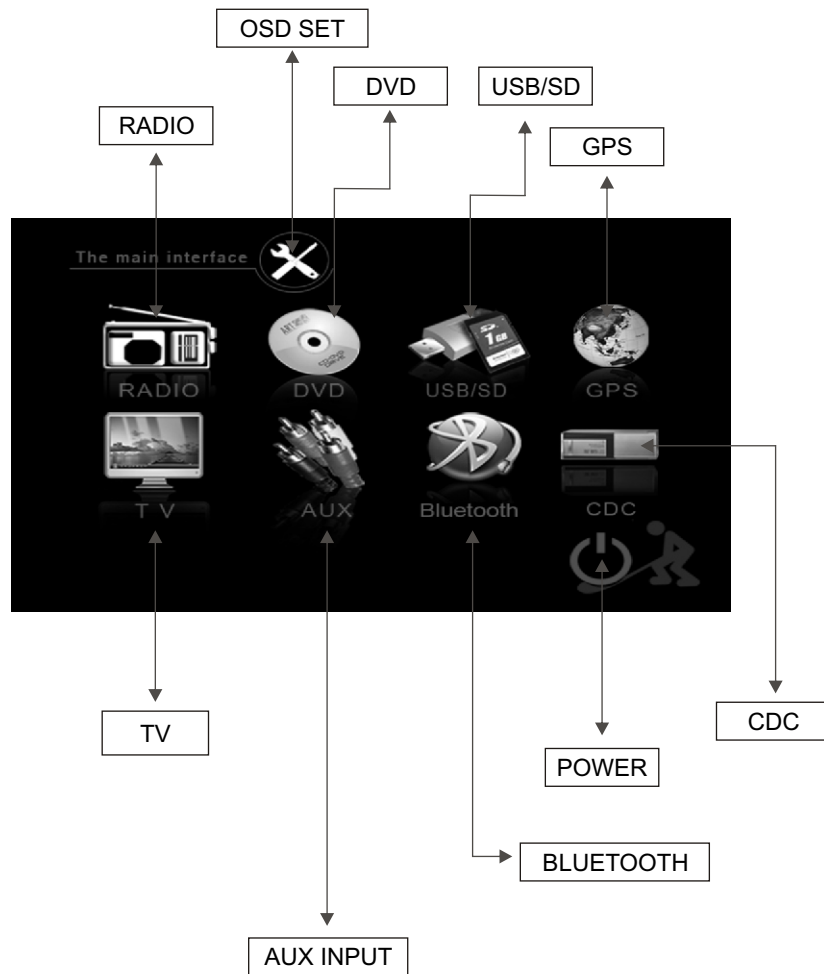
26. RESET Button

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

27. Disc Slot

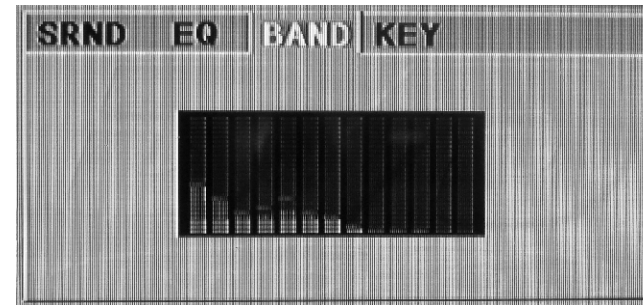


MAIN MENU TOUCH OPERATION (PIC 1)



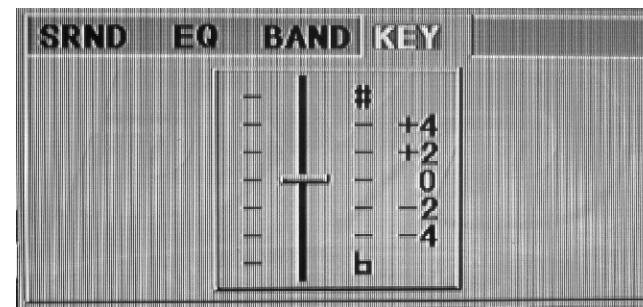
* This unit without CDC/TV/GPS/BLUETOOTH function.

AUDIO FREQUENCY



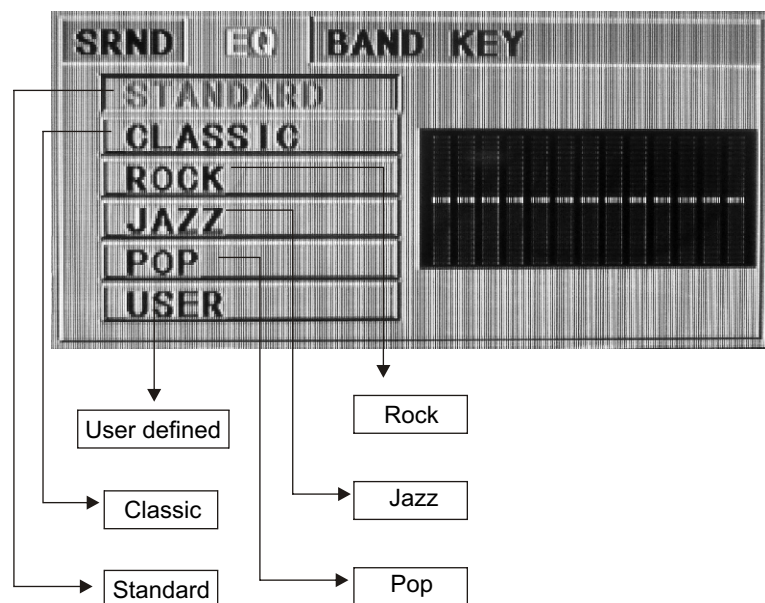
This function shows that the effect of standard audio output.

TONE

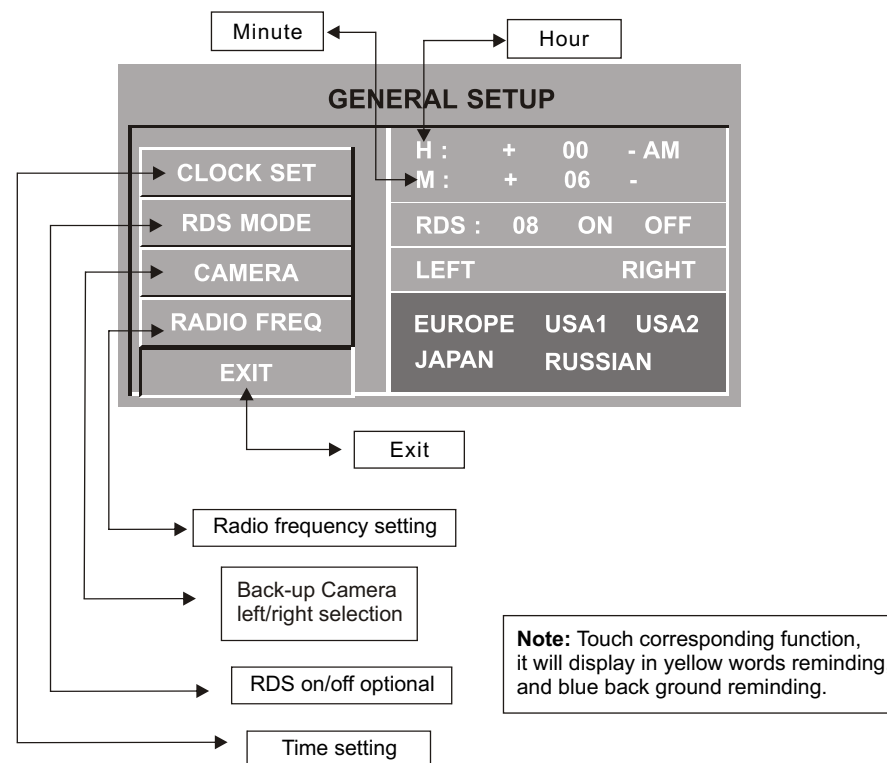


Note: You can change the timbre of the sound in DVD mode. We suggest keep it in the original place.

EQ SETTING



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;

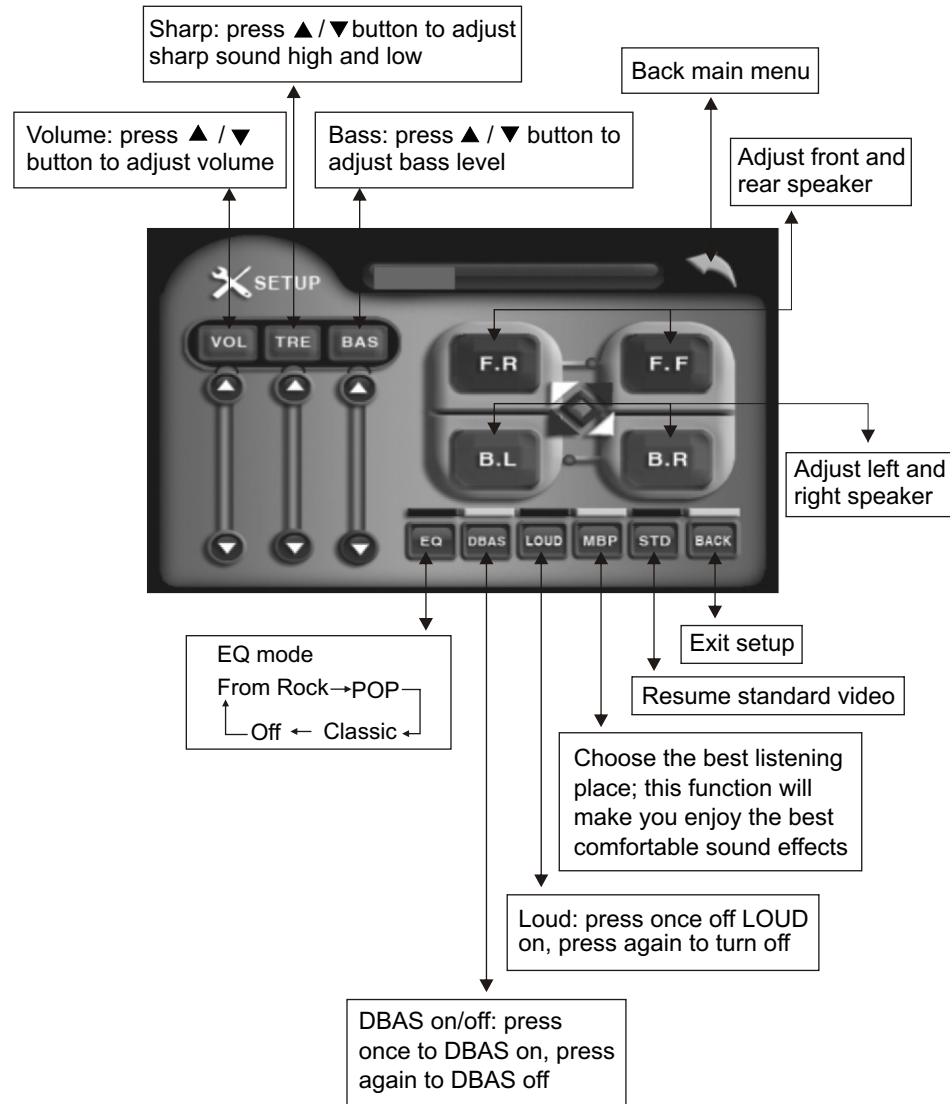
(2) Press “+” on minute to add minute, press “-” to reduce minute.

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

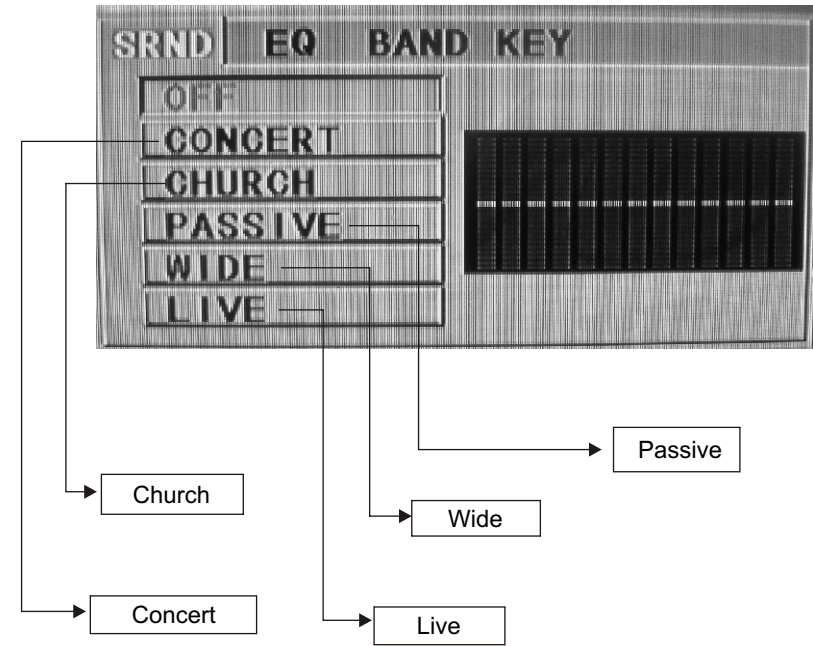
The unit include two times system: Europe time (24 hour setup), America time (12 hour setup), when show the AM mark it indicate morning time, when appear the PM mark, it show the time of afternoon.

Remark: This unit is with RDS function, 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.

ADJUST MODE (PIC 3)



MUSIC SURROUNDINGS SETTING (PIC 7)



Note: This function only is used with the remote control in CD/MP3/USB/SD mode. Once you have one of these settings on. You will no longer have Bass & Treble adjustments until this feature is set to off.

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.

11. MP3 Program Play

In MP3 mode, you can set the sequence of playing by the program function, the operation is as follows:

When MP3 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			

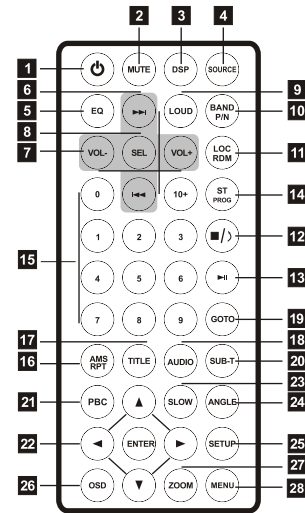
Then, input desired song by remote control.

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, work with ▼ button, move the cursor to 2[_ _]. Input 01, press ► button move the cursor to the second lattice, input desired song, for example, the sixth song (press 6). Press ►► button to program play.

Back to the normal mode, press the ST/PROG button and then press ►► button.

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

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

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.

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.

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.

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.

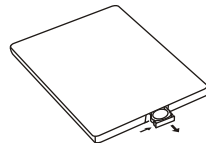
28. MENU Button

Press button to back to the main menu.

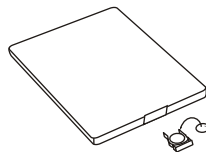
BATTERY CHANGE

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

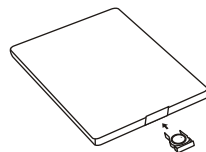
One hand press stopper, then pull out battery.



Put battery into controller.



Insert battery holder into controller.



CD/MP3 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.

15. 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.

16. 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. Fr 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.

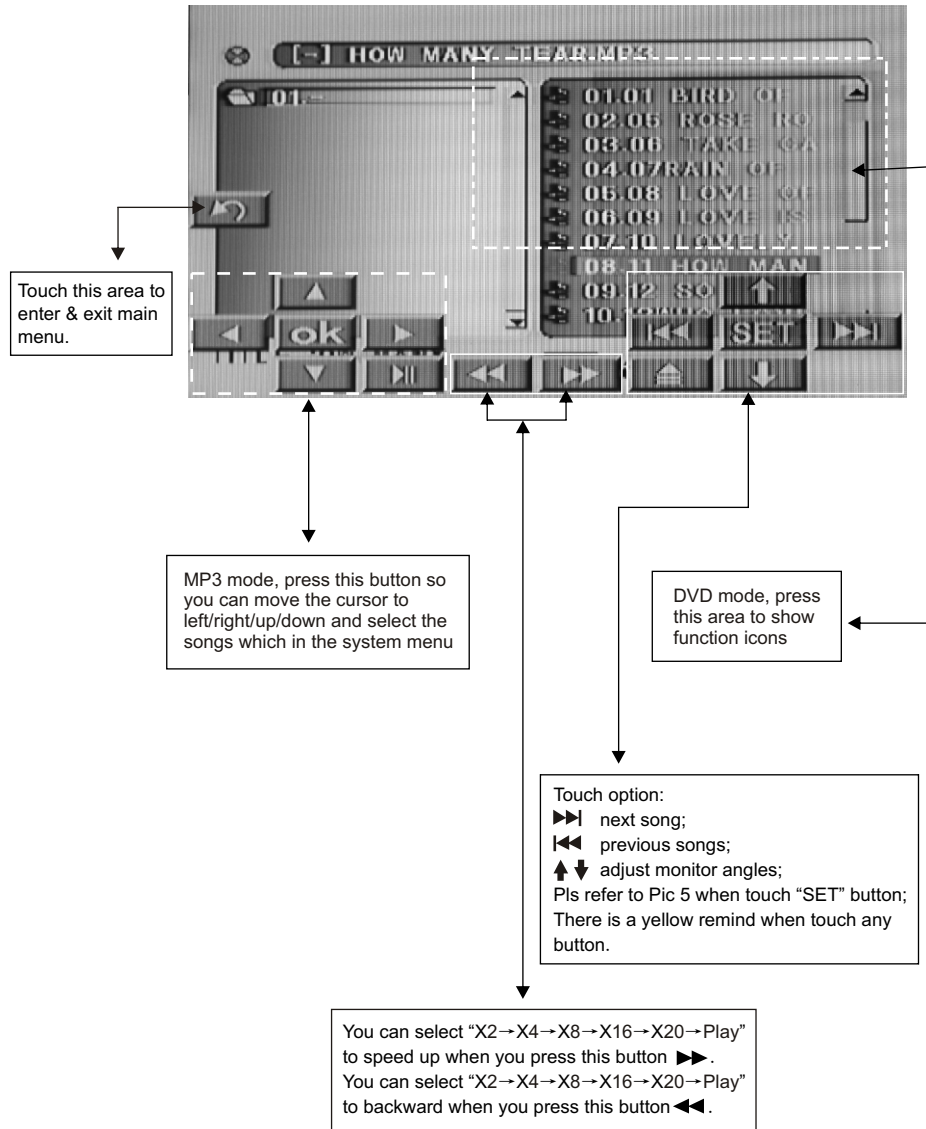
LOADING



This white bar shows the rate of process of loading a disc.

Note: When loading a disc, touch screen function can not be used.

DISC PLAY TOUCH OPERATION (PIC 4)



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. Scan Play

In playing mode, it will play each song for 15 seconds to scan for your desired song.

- 1) Press 3/INT touch button on display to scan and play from the first song.
- 2) When you hear your desired song, press this button to cancel scan playing. It will go back to normal playing.

13. Switch Track

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



14. OPEN

Press OPEN button on panel to eject disc.

VIDEO SETTING ON TOUCH SCREEN

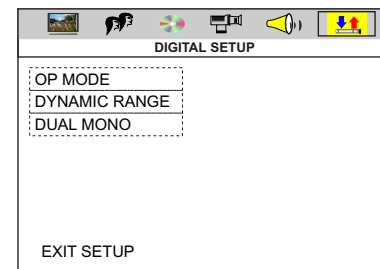
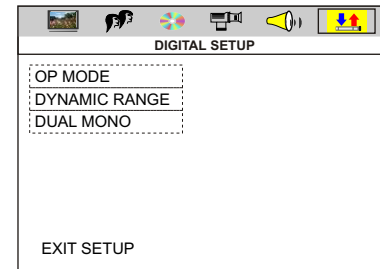
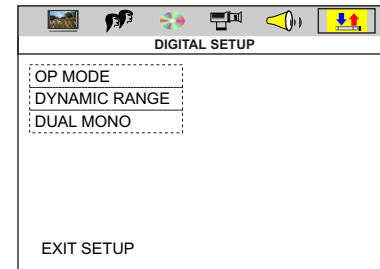
You can choose: Brightness, Contrast, Color, Hue, adjust the image effect according to your sight. The blue bar will show your level.

Video mode: When using this function, the position will be darker on the screen.

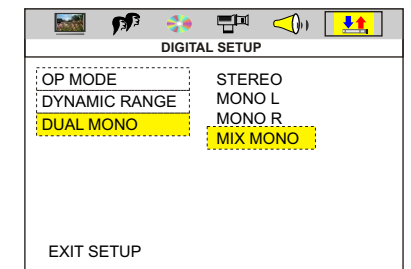
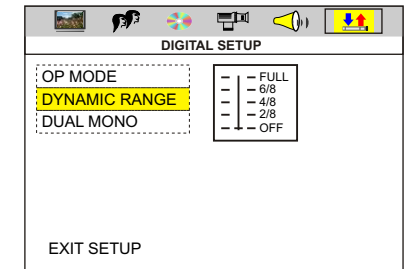
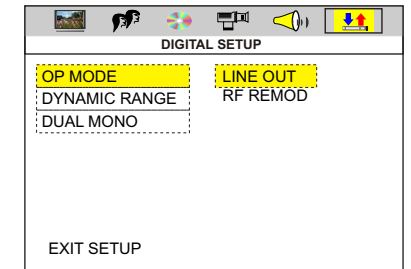
Image mode: You can choose the area in the broken line on the panel, standard, defined, soft, according what you need to choose, the blue back light will disappear.

DIGITAL SETUP

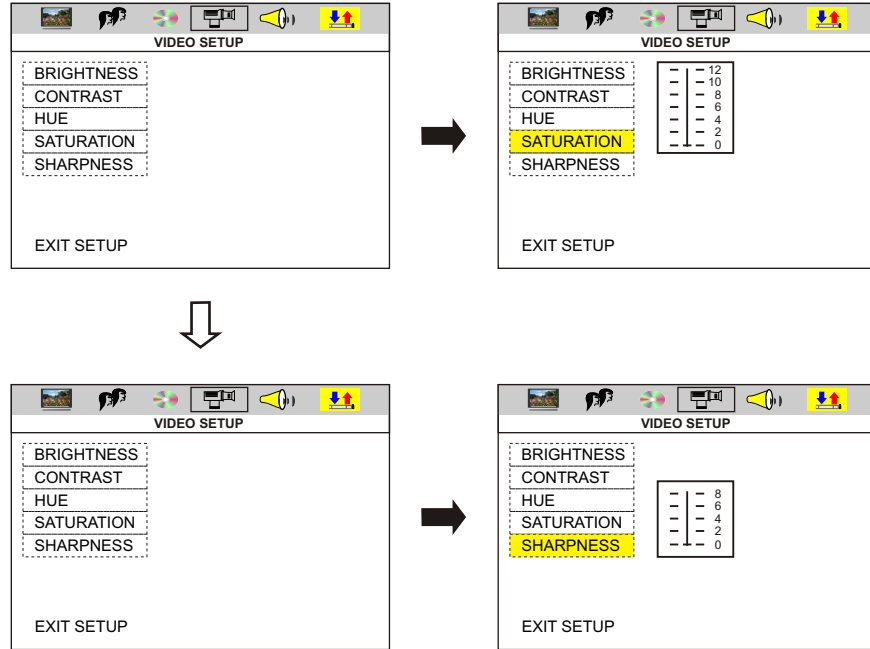
1. Press ▲ or ▼ button



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

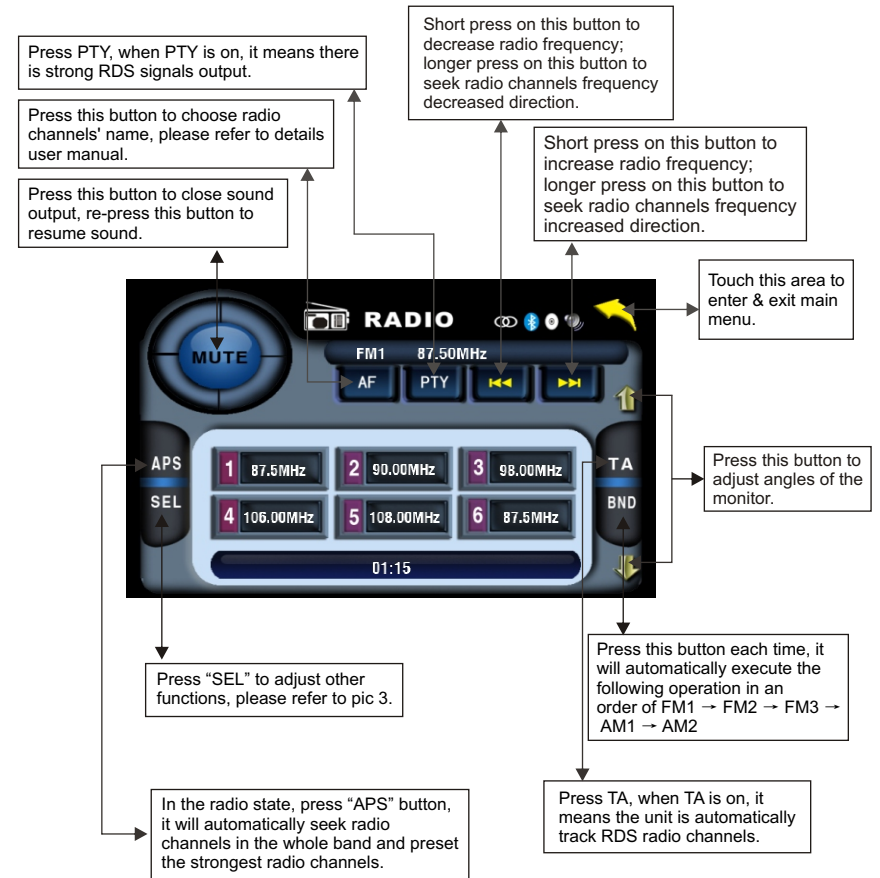


INSTRUCTIONS



INSTRUCTIONS

RDS USER OPERATION (PIC 6)



For details of RDS operation, please refer to other instruction

INSTRUCTIONS

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".

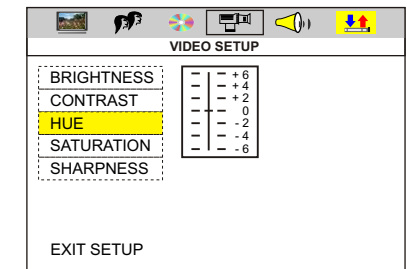
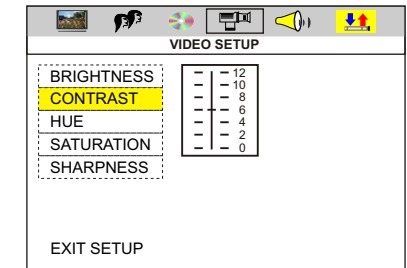
INSTRUCTIONS

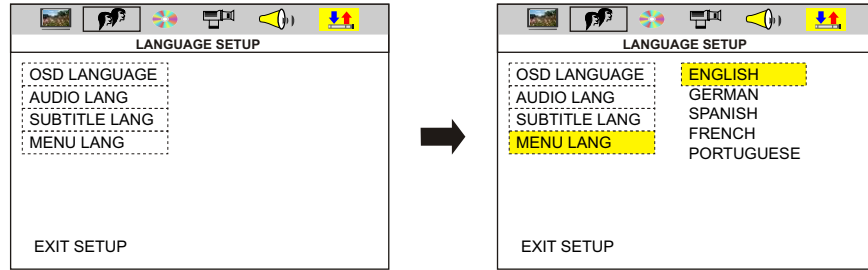
VIDEO SETUP

1. Press ▲ or ▼ button



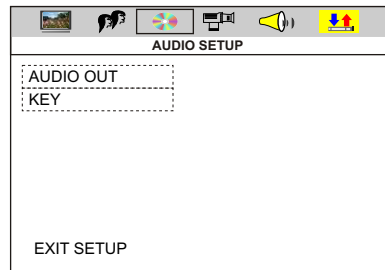
2. Press ▲/▼/◀/▶ button, then to enter.



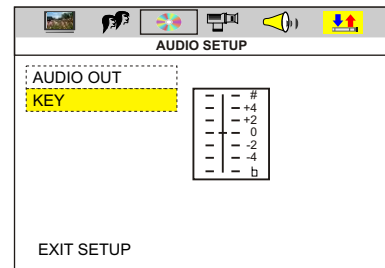
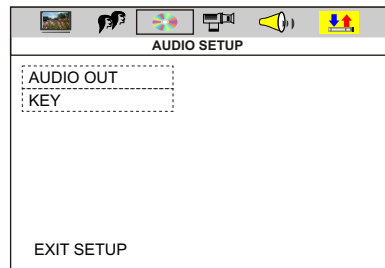
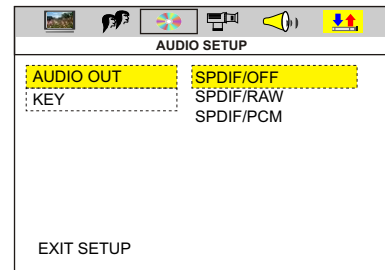


AUDIO SETUP

1. Press ▲ or ▼ button



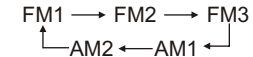
2. Press ▲/▼/◀/▶ button, then to enter.



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.

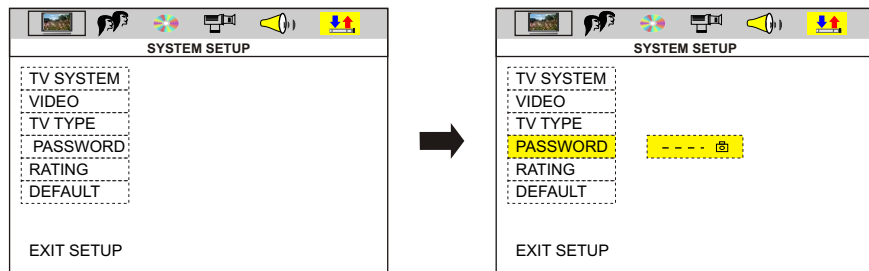
4. Mono/Stereo Selection

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

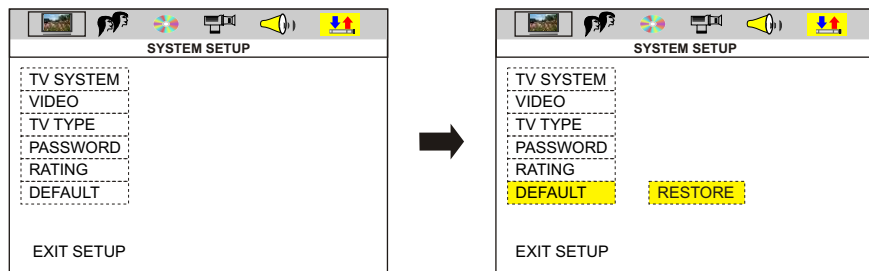
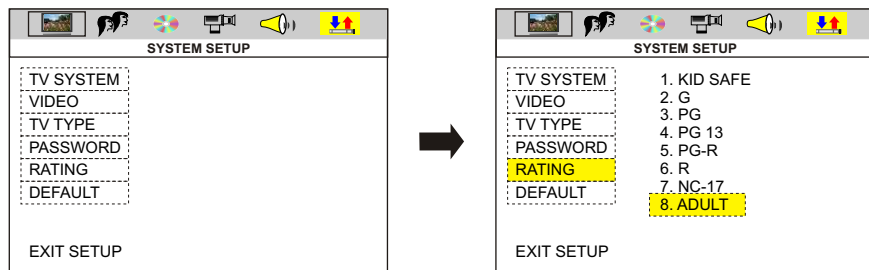
Note: In radio mode, start up the stereo function automatic, touch the ST button again on the display, the TFT display will show the ST OFF & MOMO mark, that is to turn off the stereo. When the right under foot appear the MONO mark, it show the MONO on.

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.



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.



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.

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	0 1 : 0 3	5	__ : __	9	__ : __	13	__ : __
2	0 1 : 0 6	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 6th 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

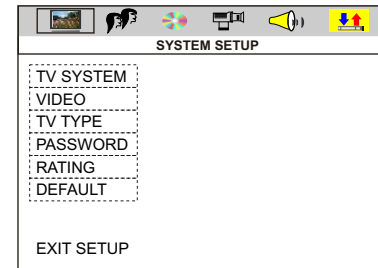
Play the disc contains JPEG pictures, read the picture menu first.
 1. Press ►|| button on remote control, the pictures will be browsed automatically. (It also can be worked to press number 6 button on the unit.)
 2. Press ENTER button on the remote control, it can be manual browsed by SEEK + and SEEK -.
 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:

SYSTEM SETUP

1. Press ▲ or ▼ button



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

