

## User's Manual

### BV8212T

**IN-DASH AM/FM  
DVD/MP3/CD RECEIVER WITH  
4.5-INCH WIDESCREEN  
TOUCHSCREEN TFT MONITOR  
WITH BUILT-IN TV TUNER AND  
USB PORT, SD MEMORY CARD PORT  
AND FRONT PANEL AUX INPUT**



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[www.bosssaudio.com](http://www.bosssaudio.com)  
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BV8212T

*In-Dash AM/FM DVD/MP3/CD Receiver With  
4.5" TFT Monitor*

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## SPECIFICATIONS:

Power supply .....	DC 12V
Power range .....	10.8-16.0 DC
Max operate current .....	10A
Dimensions.....	155X182X53MM
Ground system.....	Negative ground

### 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 .....	522-1620MHz
USA frequency range.....	530-1710MHz
Limit noise sensitivity .....	32dB

### DVD PLAYER

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

## 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!

## 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 for 12V and negative ground system car.
7. This TFT LCD display is motorized. Please do not try and push or pull on the display by hand so that you can avoid any damage to the motorized construction.



### 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		Sound only	12cm
CD		Sound only	12cm

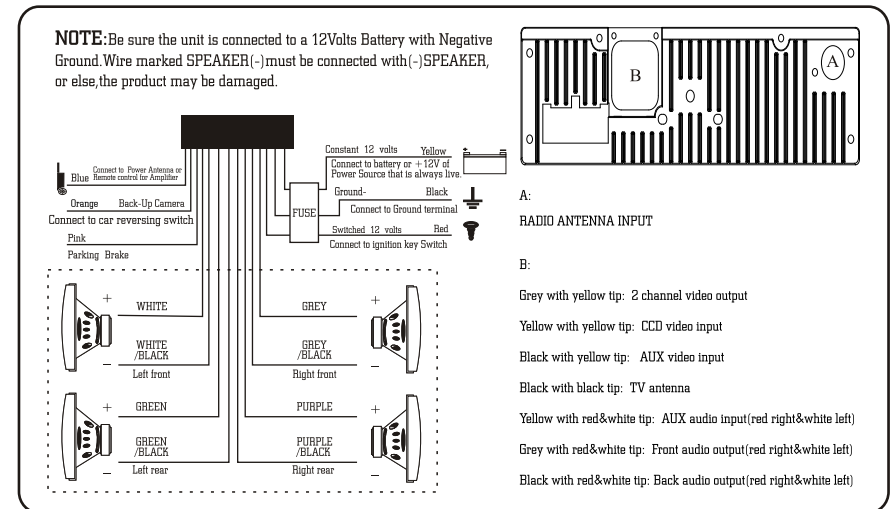
Note: 1. This unit is compatible with MP4/DVD/VCD1.0/2.0/3.0 version, DVD, CD-R, CD-RW, MP3, WMA, JPEG.  
 2. When playing a DVD, VCD, MP3, CD disc the display will auto identify the disc and show corresponding word.  When appears on the display, that means that there is no function, please choose another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

# INSTRUCTIONS

## 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.

# INSTRUCTIONS

## TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Can not power on	Check whether power fuse melt 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

## 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
3. Motorized Faceplate
4. Adjustable Motorized Angle

## BASIC OPERATION

### 1. SOURCE ON/OFF

Press SRC button on panel or PWR button on remote control quickly to power on.  
Press SRC button on panel or PWR 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 → TV

### 3. MUTE CONTROL

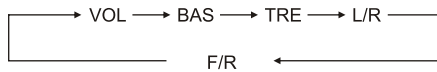
Press MUTE button on panel or MUTE button on remote control shortly to turn off sound output, press again to back to sound output.

### 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 or SELECT button on the panel 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.


## 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.

## TV

Touch TV mode of the menu or press SOURCE button on remote control to switch to TV mode, auto scan and store channels.

Press AMS/RPT button on remote control or SCAN touch button on display to auto scan TV channels. The range of scan is full TV channel. The channels will auto store into number button in sequence.

### 1. Switch channel

- 1) Press SEEK + / SEEK - button on panel or SEEK + / SEEK - on remote control or ◀◀/ ▶▶ touch button on display, unit will skip to previous or next stored channel.
- 2) Press number button on remote control, unit will skip to appointed channel, for example, press 6 button, unit will skip to 6 channel. Press 10+, “\_ \_” will appear on left top corner of display, press number button 3,9, unit will skip to 39 channel.

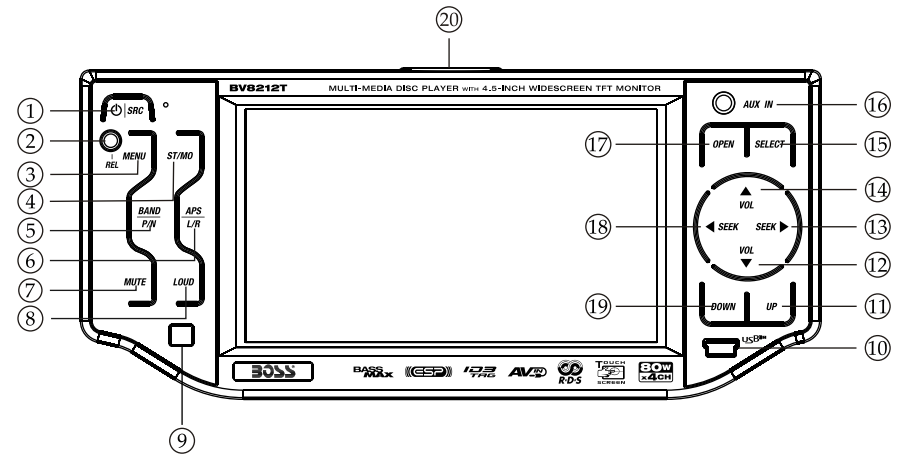
### 2. Manual tuning TV channel

- 1) Press and hold SEEK + button on panel, SEEK + button on remote control, or touch ▶▶ button on display to scan TV channel in increase direction.
- 2) Press and hold SEEK - button on panel, SEEK - button on remote control, or touch ◀◀ button on display to scan TV channel in descending direction.

### 3. Blue screen

The display will be blue when there is no signal.

## PANEL ARRANGEMENT



- |                                  |                 |
|----------------------------------|-----------------|
| ① SRC Button                     | ⑪ UP Button     |
| ② Panel Release Button           | ⑫ VOL - Button  |
| ③ MENU Button                    | ⑬ SEEK + Button |
| ④ ST/MO Button                   | ⑭ VOL + Button  |
| ⑤ Band Button / TV System Format | ⑮ Select Button |
| ⑥ APS Button (R/L sound switch)  | ⑯ Aux In Jack   |
| ⑦ Mute Button                    | ⑰ OPEN Button   |
| ⑧ Loud Button                    | ⑱ SEEK - Button |
| ⑨ IR Eye Window                  | ⑲ DN Button     |
| ⑩ USB PORT                       | ⑳ SD SLOT       |

# INSTRUCTIONS

## 1. SRC Button (Power Button/Audio Mode Switching Button)

Press this button to power on. Press it shortly to switch audio source modes. Press it longer to power off.

## 2. REL (Panel Release Button)

Press this button to release the panel.

## 3. MENU Button

Press this button to back to the main menu.

## 4. ST/MO Button

In radio mode, press this button to choose stereo or mono station.

## 5. Band Selection Button/TV System Format Selection Mode

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

In TV mode, shortly press this button to switch TV sound system. The sequence is as

SECAM→PAL M→PAL N→NTSC→PAL I

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

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

In radio mode, press this button to store the strongest radios stations to the presets on this radio. Press and hold this button and it will change it from Stereo to Mono.

## 7. Mute Button

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

## 8. Loud Button

This function is default activated, press this button to close balance left/right track.

## 9. Reception Window for Remote Control Signal (IR)

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

## 10. USB Slot

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

## 11. Up Button

Short press on this button to make the monitor move upwards  
Longer press on this button will make the monitor move to the top position.

## 12. VOL (-) Button

Press this button to reduce the volume.

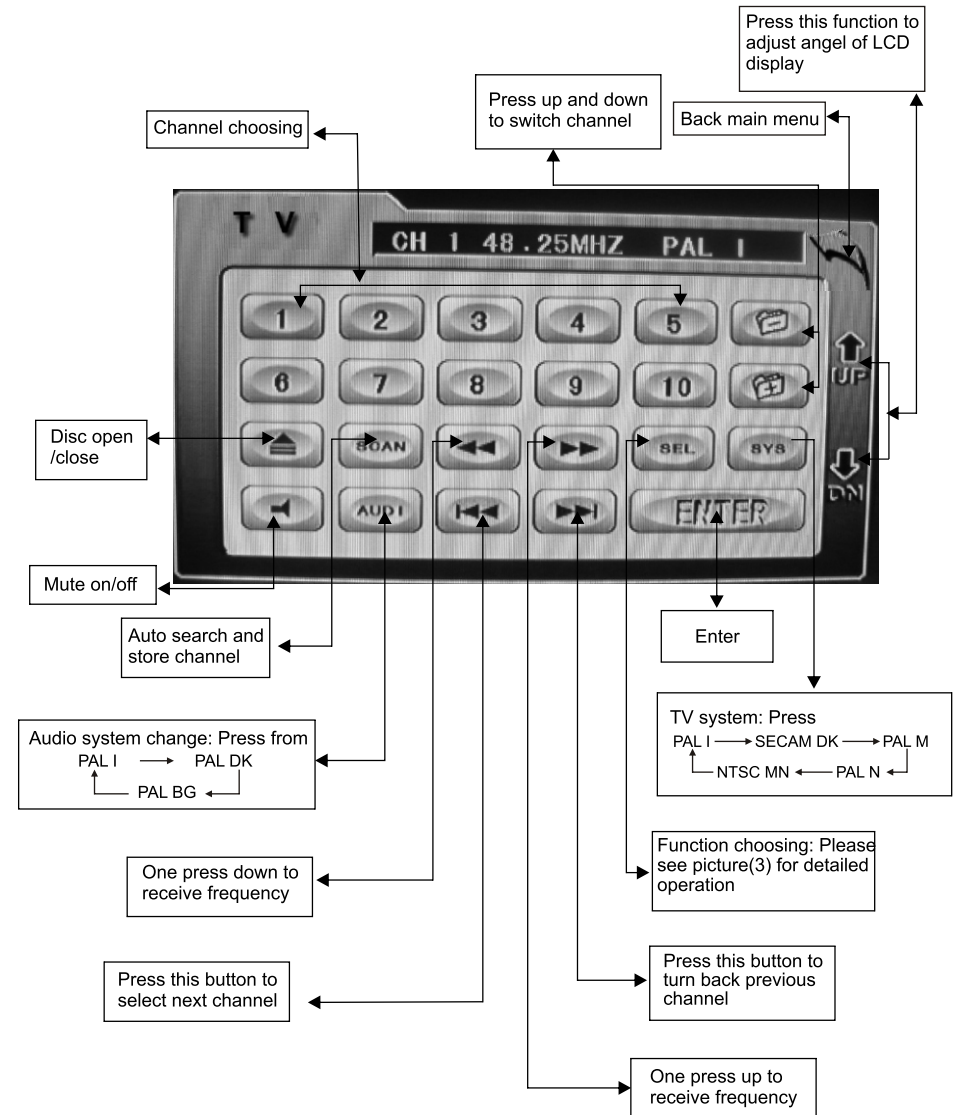
## 13. SEEK (+) Button

In radio mode, press this button shortly to manual search up, press it longer to auto scan down.

In audio mode, press this button shortly to choose song up, press it longer to control speed.

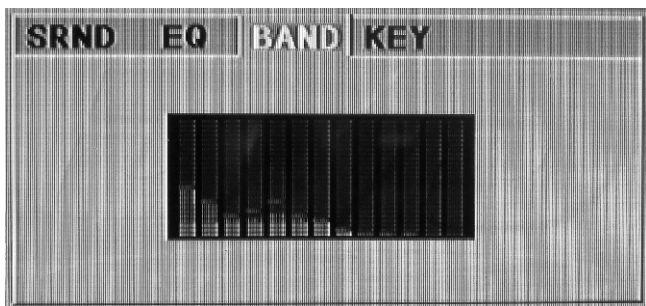
# INSTRUCTIONS

## TV MODE (PIC 8)



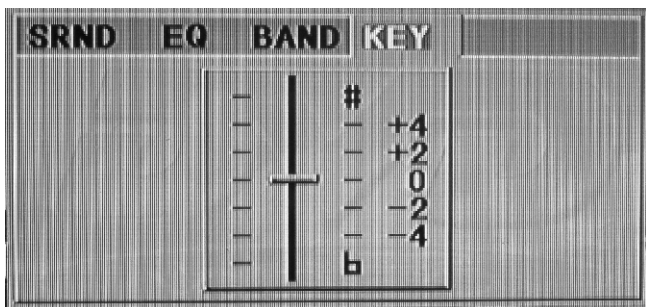


## AUDIO FREQUENCY



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.

### 14. VOL (+) Button

Press this button to increase the volume.

### 15. Select 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.

### 16. AUX IN (Audio Input Jack)

You can input another audio source into this location, i.e. an iPod.

### 17. OPEN Button

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

### 18. SEEK (-) Button

In radio mode, press this button to manually search down, press it longer to auto scan up.

In audio mode, press this button to choose song down, press it longer to control quick back.

### 19. DOWN Button

Short press this button to make the monitor downwards steeply;

Longer press this button to make the monitor downwards to the lowest position.

### 20. SD Input

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

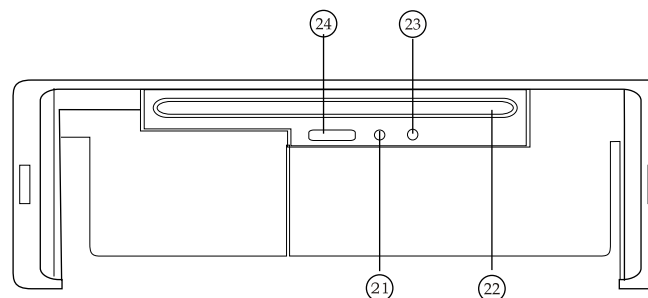
### 21. RESET Button

Press this button to make the unit back to the mode default.

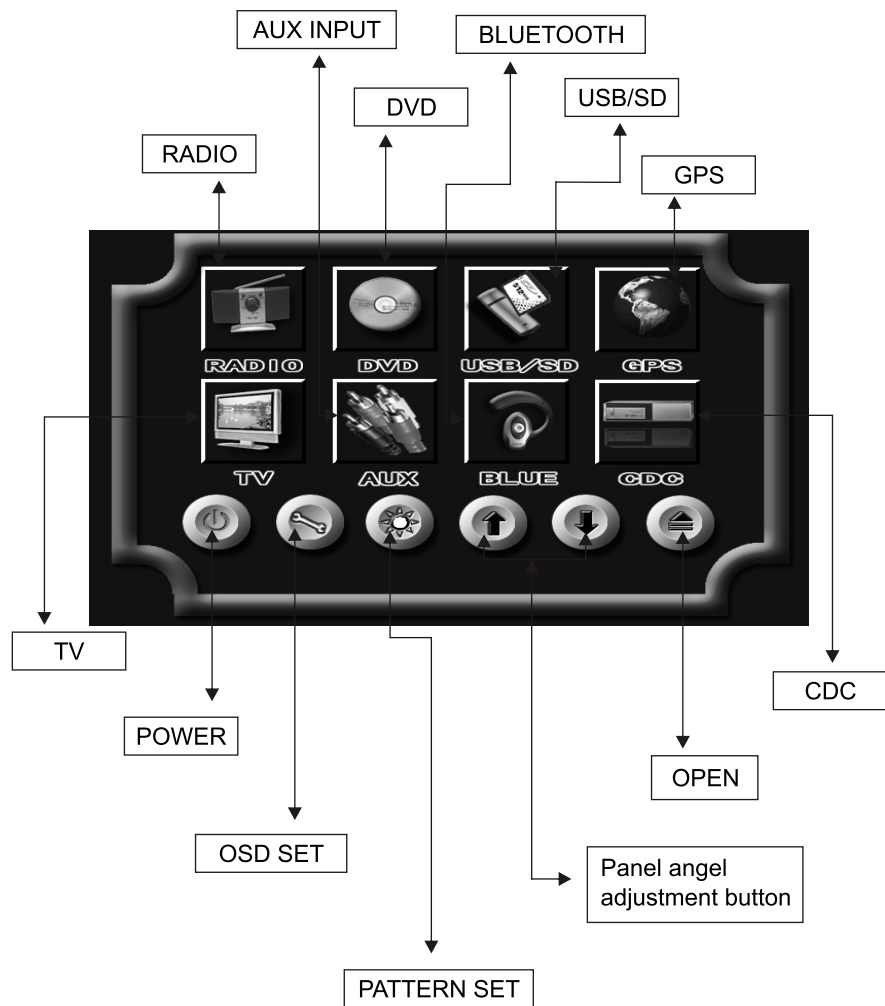
### 22. Disc Opening

### 23. RESET light

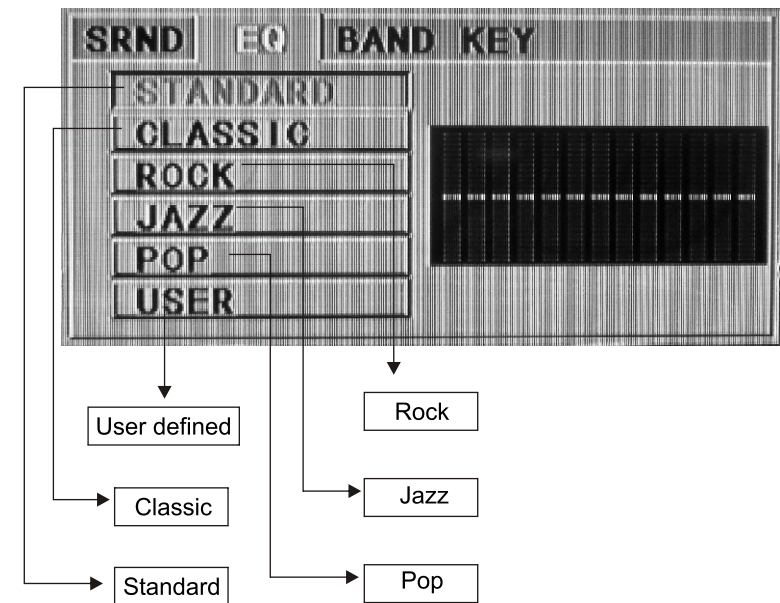
### 24. Slot Indicator Light



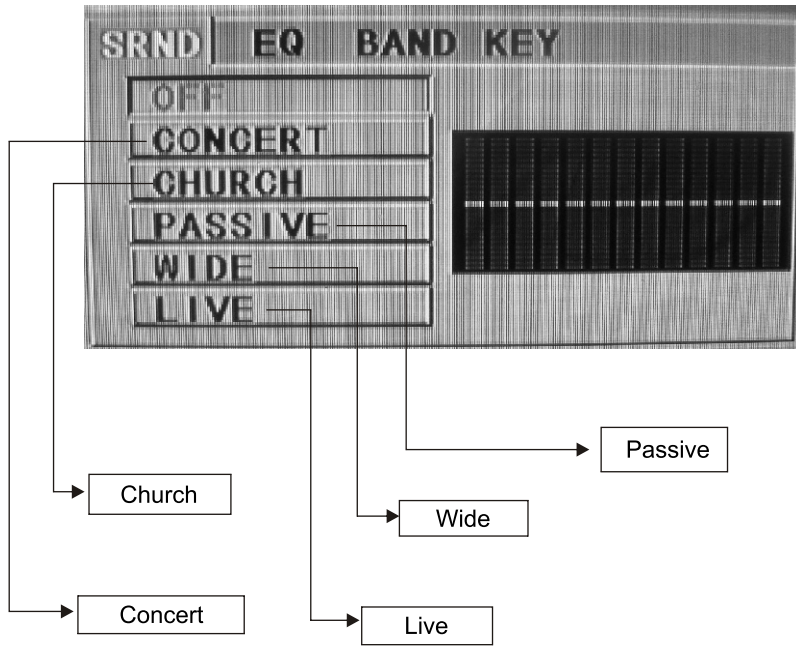
## MAIN MENU TOUCH OPERATION (PIC 1)



## EQ SETTING

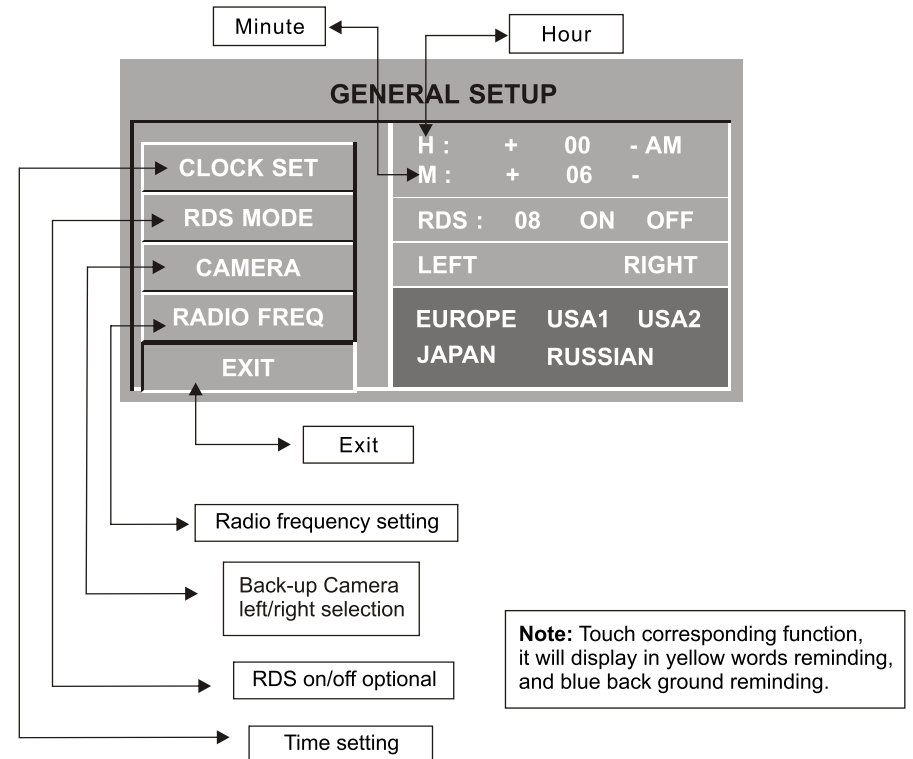


MUSIC SURROUNDINGS SETTING (PIC 7)



**Note:** This function only is used with the remote control in CD/MP3/USB/SD mode.

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;

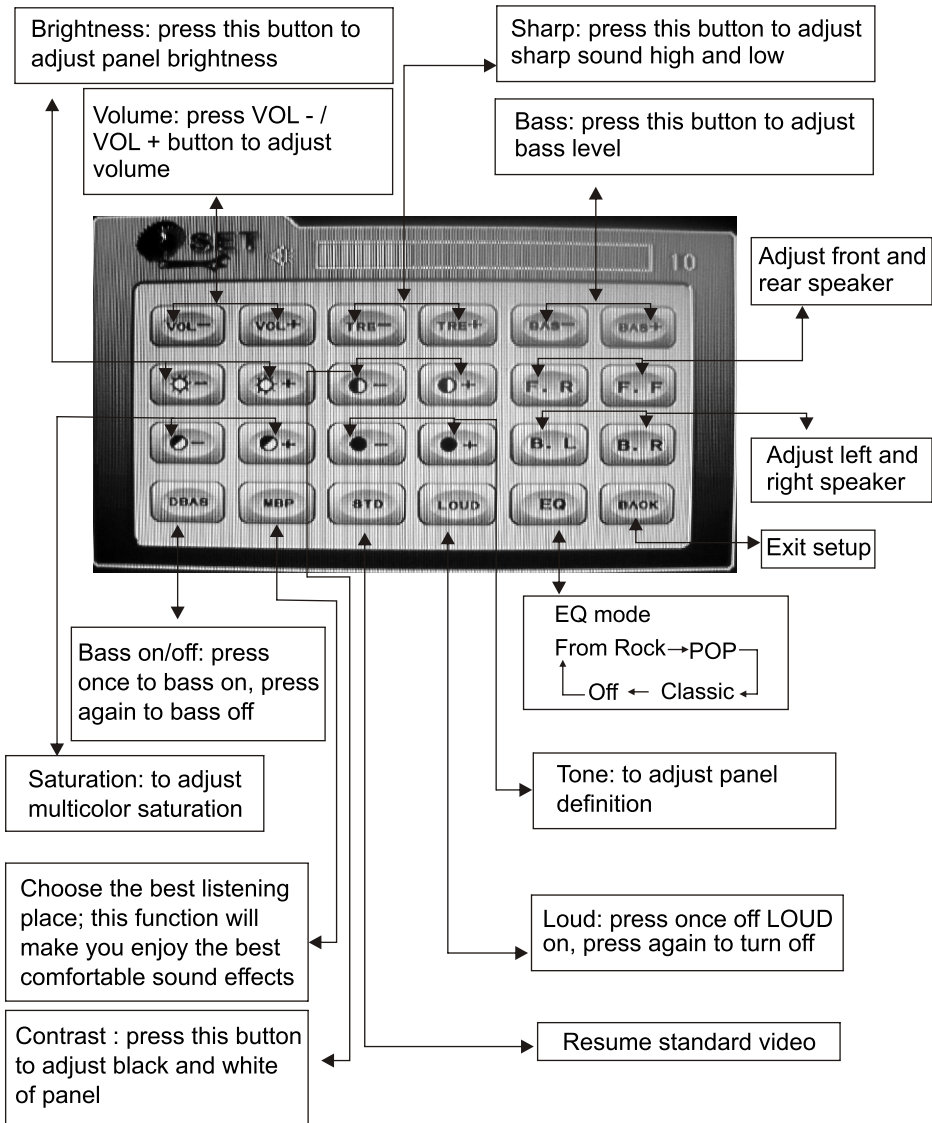
(2) Press "+" on minute to add minute, press "-" to reduce minute.

**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)



## 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.