User's Manual

BV9962

In-Dash DVD/MP3/CD Receiver with Motorized, Flip-Out 7" Widescreen Touch Screen TFT Monitor
with USB and SD Memory Card Port and Front Panel AUX Input

RDS COMPATIBLE MODEL

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07.2012

registered in the U.S. and other countries.

tech support: www.bossaudio.com/support

BOSS AUDIO SYSTEMS

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CONTENTS

SETUP NEED PASSWORD

Setup need password

★ During actual operation, when you enter TV setup, system setup, radio area and touch calibration, you need to enter the password "888888".

★ DVD Parental control function：The default set for DVD is #8 adult, which means all grades of DVD can be read without entering password.To change the default grade,you need to follow the below procedure: Press SETUP button on the remote, display will show the system set up menu and the submenu,select password and enter 0000, you will be able to choose the DVD grade as default.

ACCESSORIES

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

WELCOME

Thank you for enjoying our serirs 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 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.

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. 7" - 16:9 TFT LCD Display
2. Touchscreen

SPECIFICATIONS:

Power supply	DC 12V
Power range	10.8-16.0V DC
Max operate current	15A
Ground system	Negative ground
Amp Rating	85 Watts x 4 Channels

FM tuner

European frequency range	87.5-108MHz
USA frequency range	87.5-107.9MHz
Signal/Noise 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

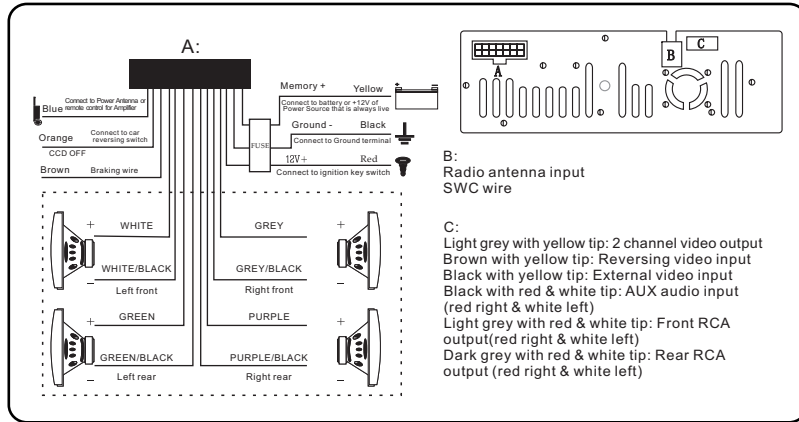**DVD PLAYER**

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

WIRING DIAGRAM

This player is equipped with ISO standard connector, please follow the 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 (+/-)

● Brown- Parking Brake (-)

A:

Connect to Power Antenna or remote control for Amplifier
Blue

Orange — Connect to car reversing switch
CCD OFF

Brown — Braking wire

FUSE

Memory + — Yellow
Connect to battery or +12V of Power Source that is always live

Ground - — Black
Connect to Ground terminal

12V+ — Red
Connect to ignition key switch

B:
Radio antenna input
SWC wire

C:
Light grey with yellow tip: 2 channel video output
Brown with yellow tip: Reversing video input
Black with yellow tip: External video input
Black with red & white tip: AUX audio input (red right & white left)
Light grey with red & white tip: Front RCA output(red right & white left)
Dark grey with red & white tip: Rear RCA output (red right & white left)

+ WHITE
WHITE/BLACK
Left front —

GREY +
GREY/BLACK
Right front —

+ GREEN
GREEN/BLACK
Left rear —

PURPLE +
PURPLE/BLACK
Right rear —

Front panel function instruction
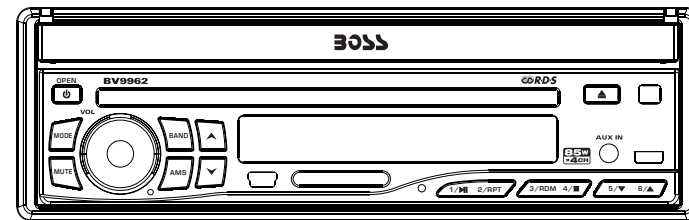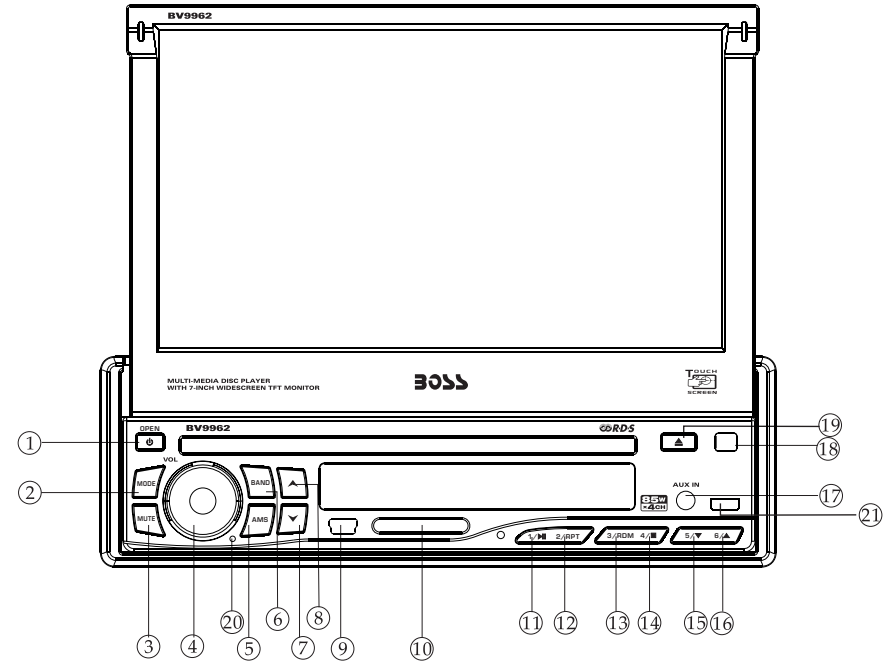
BASIC FUNCTION

1. OPEN
Press the button to open / close the screen.
Press this button for short moment to turn on power, and long press it to turn off power.

2. MODE Button
When the unit is power on, Repeat press this button can switch to different function
mode as following picture.
Note: When the device without
connecting to USB、SD or DVD
no disc inside, the system will
automatically skip these related
working mode.

RADIO
DVD
USB
SD
AUX
IPOD
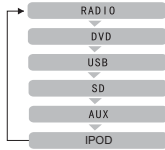
3. MUTE/TFT ON/OFF Button
Press this button to shut off sound output, repress this button to resume sound output;
Long press this button longer to turn on / off TFT LCD display.

4. (VOL/SEL) Volume adjustment mode
Repeat pressing this button can select the VOL、BAS、TRE、BAL、FAD adjustment
mode,
Then can rotate the button to adjust VOL、BAS、TRE、 BAL、 FAD as you like.

5. AMS Program preset/Play Repeat button
Under radio mode, press this button for a short moment to start scanning preset
programs.
Under PLAY mode, press it to repeat playing a single song, and press it again to turn
off this function.

6. BAND Button
In radio mode, press this button to switch band, the sequence is as follows:

FM1→FM2→FM3→AM1→AM2

7. ▼
In radio mode, press the button for the next station.
In playback mode, press the button to select the next song, Long press it to
fast-backward.

8. ▲
In radio mode, press the button for the previous station.
In playback mode press the button to select the previous song. Long press it to
fast-forward.

9. USB
Insert USB device, the unit will play the files automatically.

10. SD
Insert SD/MMC card, the unit will play the files automatically.

TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Cannot power on	Check fuse	Change fuse same as the old one
	Some factors cause MPU wrong operation	Press RES button on the panel by penpoint, then, power on
After ignition switch off ,setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then research
Cannot load disk	There is a disk inside	Remove disc before inserting another one
Cannot play disc	Disc is scratched	Change new disc
	Put wrong side of disc into the unit	Insert in the disk with sign side up
	Lens is dirty	Clean lens by lens clean disc
Cannot 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	Other factors cause MPU wrong operation	Press [RES] button on the panel by penpoint, then, power on
Cannot watch image during driving	It's not allowed to watch image during driving	Park the car in a safe place, put the car stall in " P " postion, pull up the hand brake, parking brake wire must be grounded

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.

11. Number Button 1 / ▶II
In radio mode, press this button to hear radio preset;
In disc playback mode, press this button for Play/Pause.

12. 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.

13. Number Button 3 / 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.

14. Number Button 4 / ■
In radio mode, press this button to hear radio preset;
In disc playback mode, press this button for to stop playback.

15. Number Button 5 /▼
In playback mode, press the button to adjust the angle of screen.

16. Number Button 6 /▲
In playback mode, press the button to adjust the angle of screen.

17. Dual (front and rear)AUX
⚠ Warning :You can only use either front or rear AUX at a time. Never connect both front
and rear AUX at the same time!

18. IR
To receive infrared signal from the remote controll.

19. ⏏
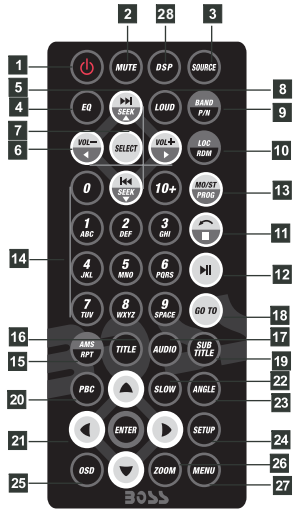When there is a disc in the unit, press the button to eject the disc.

20. RESET
Press this button to restore to initialized state.

21. IPOD
Insert IPOD device, the unit will play the files automatically.

REMOTE CONTROL FUNCTION

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

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. SOURCE Button
Press this button to choose audio sources.

4. EQ Button
Press this button to choose POP、ROCK、CLASSIC、EQ off.

5. SEEK+ (▶▶)/ SEEK-(◀◀) Button
Press this button to manual tuning, speed or quick back, previous song and next song.

6. VOL+ (→) / VOL- (←)
Press this button to increase or decrease volume level.

7. SEL Button
Press this button to choose sound feature.

8. LOUD Button
Press this button to startup LOUD function.

9. 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.

10. 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.

11. STOP Button
Press this button to stop playing.

12. PLAY/PAUSE Button
Press this button to switch between play and pause.
In stop mode, press this button to play.

13. 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.

Calibration to re-gain touch

✦ Please follow the below instructions to calibrate when there is no touch or touch is not accurate.

Step 1 : Press the mode button in the unit to switch to DVD mode.

Step 2: Insert a DVD disc, after DVD is loaded, press the stop button " 🎧 " (as show in picture 1.) in the remote short, the unit will display as show in picture 2.

Picture (1)   Picture (2)

Step 3: Press " ZOOM " in the remote as show in picture (3), the unit will display as show in picture (4)
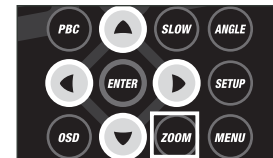
Picture (3)   Picture (4)

Step 4 : Press "▲" button in the remote and then quickly press "▼" button as show in picture (**5**) and you will enter the touch calibration interface as show in picture (**6**).
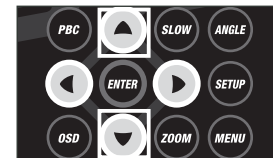
Picture (5)   Picture (6)

Step 5: User the touch pen to touch the center of the cross cursor, the cross cursor will move from the center to top left corner, top right corner, right down, left down, when the cross cursor stop at each corner, touch the center of the cursor. Then the panel will display OK and leave the calibration interface and the unit regained touch as show in picture (**7**).

Picture (7)

For example: As PIC 2, touch certain category you want, then touch "ok" to inter the category. After that, touch any file to play. It shows like the PIC 3 below.

"Administrator" ipod

My love
Yes i will
As long as you love me
Take me home country road
Love you more than I can see

VOL:

MODE   ▶❙❙   OK   ↑   ↓   ◀◀   ▶▶   ↩

(PIC 2)

Now playing

109 of 289
Love you more than I can see
Unknown performers
Unknown album

01:04   -02:17

VOL:

MODE   ▶❙❙   OK   ↑   ↓   ◀◀   ▶▶   ↩

(PIC 3)

14. 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.

15. AMS / RPT Button
In radio mode, press this button to browse stored stations.
In audio mode, press this button to play repeatedly.

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

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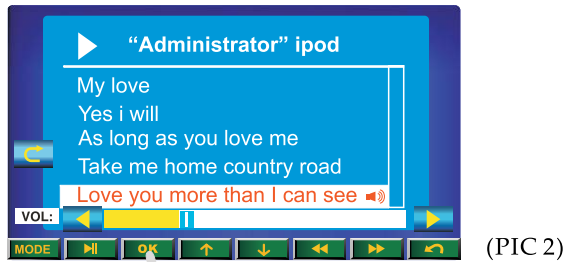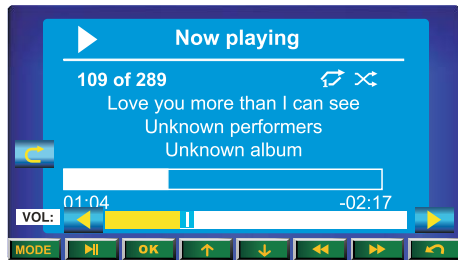In VCD mode, press this button to choose left track、right track and stereo.

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

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

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

21. 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 enter button to confim choice.

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

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

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

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

26. ZOOM Button
In DVD/VCD mode, press this button to ZOOM in.

27. MENU Button
Press button to back to the main menu.

28. DSP
Press this button to show the time.

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.
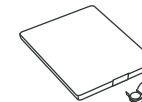
Insert battery holder into controller.

MAIN MENU TOUCH OPERATION

RADIO   DVD   USB   SD

SETUP

BLUETOOTH   T-V   AUX INPUT   IPOD
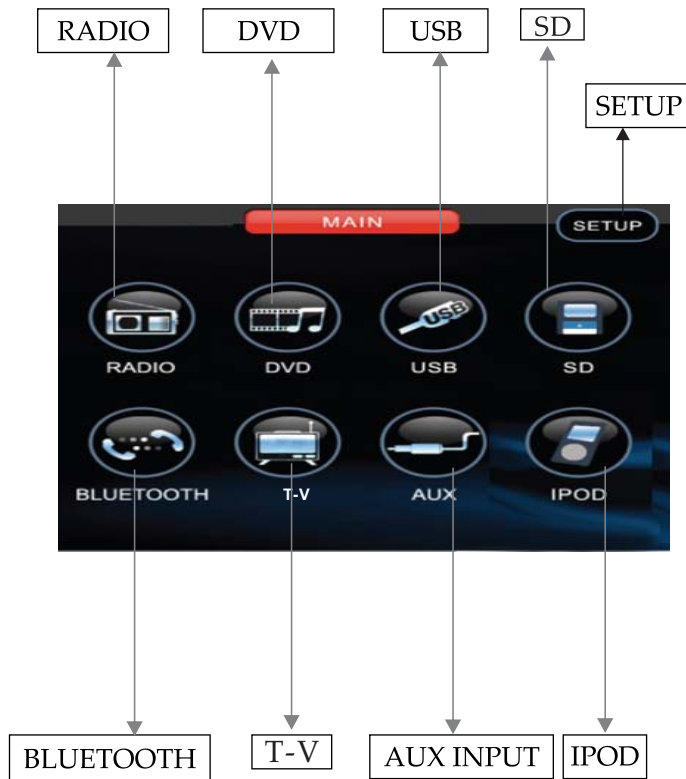
Note: This unit does not have BLUETOOTH, T-V function.

IPOD READY

1. Enter (ipod) Mode:

Before enter the ipod mode, please link your ipod player with the unit. Then, touch "ipod Icon" enter the ipod mode. If the ipod player have not link with the unit, the unit cannot recognized the external ipod player, the unit will return to the main menu. If the unit is working in any other mode (e.g. DVD, Radio, etc), after you plug on the ipod player and linked well, then the unit will swatch to ipod mode automatically.
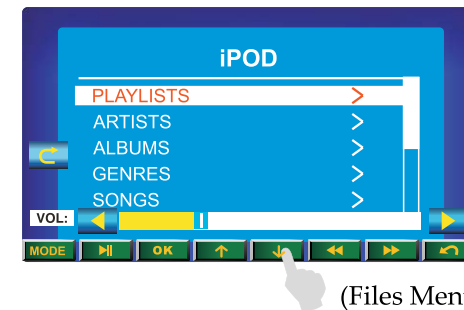
(PIC 1)

(Files Menu)

This system divide the files into 8 types of categories. Just touch the category you want, the unit will enter the certain main and play the first file in the certain category

2. Touch Buttons:

MODE	Mode Switching
▶II	Play/Pause
OK	Confirm/Ok
↑	Cursor Up
↓	Cursor Down
◀◀	Backward
▶▶	Forward
↶	Return to last OSD
↻	Back main menu
VOL	Increase or decrease volume leveI

3. Audio play:

When you see the files menu (as PIC 1 above) , you touch the middle of the panel , then you can see the "control menu" appear on the screen. You can selecting by touching the button ▲ or ▼

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 ▶❚❚ button on remote control, or ▶❚❚ 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.

OSD SETUP

In the main interface, touch [SETUP] to enter Into following interface.
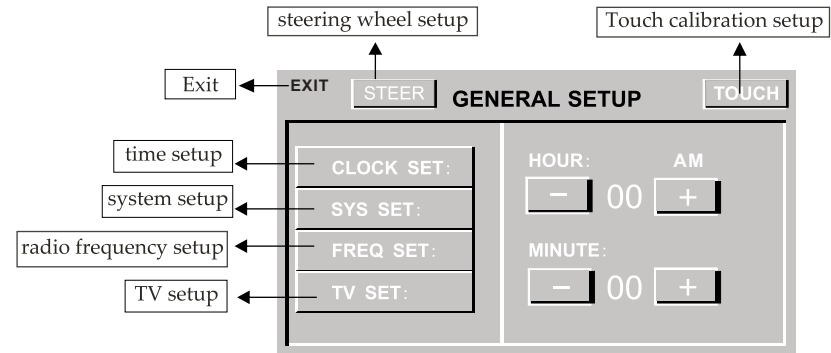
Touchcalibration:
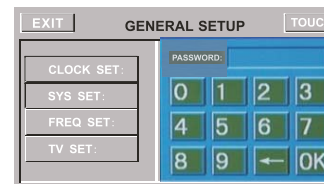
System Setup:click this button,then input password"888888".Click"OK"into systemsetup, press relevant button to choose on/off.Press "OK" button to confirm.

Radio frequency setting
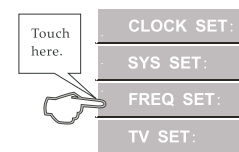
According to different areas to choose frequency as shown in the picture below.

Touch the center of"+" to calibrate when the position misgrated.

TIME DISPLAY AND ADJUST
Time display: Touch main menu into adjust mode, and press time setup button, then the corresponding function will be display in yellow words.
(1)Press "+" on hour setup to add hour, press "-" to reduce hour;
(2)Press "+" on minute setup to add minute, press "-" to reduce minute.
NOTE: Touch the correspondence function, it will be showed in green background.
The unit include two times system: Europe time (24 hour setup), America time (12 hour setup), It indicate morning time while show the AM wark, and it indicates afternoon time while show the PM mark.

Learn steering wheel control operation as follows

1.pls connect the positive pole/negative pole from origin steering wheel control wire rightly to our unit,power on that unit to that menu as above picture showing,click the setup button.
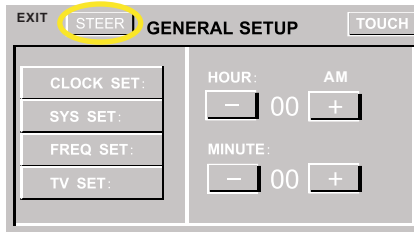
2.after enter into the setup,click "steering wheel" button like as picture show.

3.enter into steering wheel control setup manu.

4.make a note for origin car steering wheel control function.

10. CD program play

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

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

```
PROG

1 [ _ _ ]      5 [ _ _ ]      9  [ _ _ ]      13 [ _ _ ]
2 [ _ _ ]      6 [ _ _ ]      10 [ _ _ ]      14 [ _ _ ]
3 [ _ _ ]      7 [ _ _ ]      11 [ _ _ ]      15 [ _ _ ]
4 [ _ _ ]      8 [ _ _ ]      12 [ _ _ ]      16 [ _ _ ]
                            PLAY            CLEAR
```

Input the NO. 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.

CD BASIC OPERATION

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

1. Repeatedly play

In CD mode, press AMS/RPT button on remote control, to startup following, repeat

CD disc: Single song repeat→ Repeat play off.

2. Speed forward / backward play

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 playing mode, press ▶ll button on remote control, or ▶ll touchbutton on display to pause. Press again to back to normal play.

5. 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 ▶ll 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 ▶ll 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 disk.

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, press the " EQ " button on the remote control, you can choose the sound mode.

9. ⏏

Press ⏏ button on panel to eject disc.
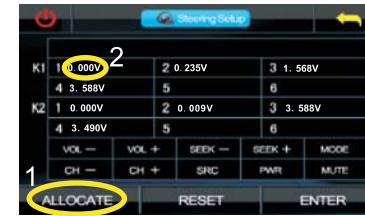
5.(1)press the button step by step on car steering wheel control and write it down,then click "allocate" button on our unit like as picture show
(2) click number"1" to choose that function according to car origin steering wheel control function

6.(1)as pircture indicated,click "voice" in the screen(position 1), then choose the same word in the choose screen.
(2) click the " confirm " button in the screen, then finish the setup.
(3) like picture show, click " confirm " button in order to keep save, click "3" to return

7.like picture shows, click position 1 to choose what function button you revise , click position 2 to make revise to them.

8.click area 1 to delete all steering wheel control , and reset all steering control function under re-do the above mentioned

RDS USER OPERATION

Short press on this button to increase radio frequency; longer press on this button to seek radio channels frequency increased direction.

Short press on this button to decrease radio frequency; longer press on this button to seek radio channels frequency decreased direction.

Touch this area to enter & exit main menu.

Power off

RADIO

05:40 AM   VOL:31

FM1   87.50MHz

P1   87.50MHz   UP   P4   106.00MHz
P2   90.00MHz   P5   108.00MHz
P3   98.00MHz   DN   P6   87.5MHz

MUTE   APS   SEL   TA   AF   BND   PTY

Press this button to adjust angles of the monitor.

Press this button to close sound output, re-press this button to resume sound.

In the radio state, press "APS" button, it will automatically seek radio channels in the whole band and preset the strongest radio channels.

Press "SEL" to enter the audio inferface, Prese refer to page 15 for function.

Press PTY, when PTY is on, it means there is strong RDS signals output.

Press this button each time, it will automatically execute the following operation in an order of FM1 → FM2 → FM3 → AM1 → AM2

Press this button to choose radio channels'name, please refer to details of theuser manual.

Press TA, When TA is on, it means the unit is automatically tracking RDS radio channels

---

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/PROG button, display will show;

```
PROG
1 [ _ _ ]      5 [ _ _ ]      9  [ _ _ ]      13 [ _ _ ]
2 [ _ _ ]      6 [ _ _ ]      10 [ _ _ ]      14 [ _ _ ]
3 [ _ _ ]      7 [ _ _ ]      11 [ _ _ ]      15 [ _ _ ]
4 [ _ _ ]      8 [ _ _ ]      12 [ _ _ ]      16 [ _ _ ]

                        PLAY            CLEAR
```

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.

8. OSD

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

9.Number button

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. Repeatedly 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 playing VCD disk, 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:

MONO L ⟶ MONO R ⟶ MIX MONO ⟶ STEREO

13. ⏏

Press ⏏ button on panel to eject disc.

14. PBC (MENU) play

In VCD mode, press this button then play the PBC and display will show whole menu in disk, 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 remote 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.

AUDIO
Press "version set up " to entry the interfaces as below:

Bass choosing: when touched the button will be yellow, touch this button to exit, touch it again to resume.

Back main menu

Adjust front and rear speaker

Adjust left and right speaker

Back main menu

EQ mode
From POP →Rock
Off ← Classic

Change the listening position

Click +/- Can be set Treble, Bass.

Video:Standard

Loud:
Press once to loud on, press again to turn off.

RADIO OPERATION

1. Band selection
In radio mode, press BAND button, BAND/P/N button on remote control, or touch position of switch bank position every time to choose band, the sequence is as follows:

FM1 ⟶ FM2 ⟶ FM3
AM2 ⟵ AM1 ⟵

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 Longer 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 band, Each band can preset 6 stations, total 30preset stations.
Note: After preset station, unit will cancel the former preset stations.

4. Mono/Stereo Selection
In radio mode, press ST/PROG 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 & MONO 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.

VCD BASIC OPERATION

Slot in VCD disc, unit will play it automatically. If 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 ▶|| touchbutton 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. Speed forward / 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,
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 X 2 ⟶ ZOOM X 3 ⟶ ZOOM X 4 ⟶ ZOOM X 1/2
ZOOM: OFF ⟵ ZOOM X 1/4 ⟵ ZOOM X 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.

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
      T    C          T    C          T    C          T    C
1 _ _ : _ _      5 _ _ : _ _      9 _ _ : _ _      13 _ _ : _ _
2 _ _ : _ _      6 _ _ : _ _      10 _ _ : _ _      14 _ _ : _ _
3 _ _ : _ _      7 _ _ : _ _      11 _ _ : _ _      15 _ _ : _ _
4 _ _ : _ _      8 _ _ : _ _      12 _ _ : _ _      16 _ _ : _ _
                                     PLAY          CLEAR
```

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.
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.

RDS

1. EON (RDS Mark)
Indicate main unit is 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 has signal increasing output.
4. TP (RDS Channel Stereo Mark)
Indicate RDS channel is in stereo playing mode.
5. POP.M (RDS Channel Mark)
Indicate RDS channel name.

I. RDS Tracking System
Press AF button in FM mode, and then press ◀◀ /▶▶ for 2 seconds, RDS will automatically
 search for channel up and down, It will stop searching when RDS channel has been founded,
but "AF" will keep remaining on the screen and wait for the next traffic emergency report.
II. RDS Tracking on Playing Mode
In playing mode, "AF" tracking system keeps opening and waits for traffic
emergency report.

```
1)PTY: RDS button, press once will show music mode POP, press 1-6 function
memory button, each group has 2 channels.
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, each
button has 3 channels.
NEWS         AFFAIRS      INFORMATION      SPORT
EDUCATION    DRAMA        CULTURE           SCIENCE
CHILDREN     SOCIETT      TELIGION          PHONING
TRAVEL
```

**Note:** RDS channel in broken line is available.
AF: RDS auto search button, in radio mode you can also press this button shortly automatically
track RDS channel, press this button shortly can cancel RDS function.
TA: In RDS mode, press this button can output TA signal, and check whether RDS channel is
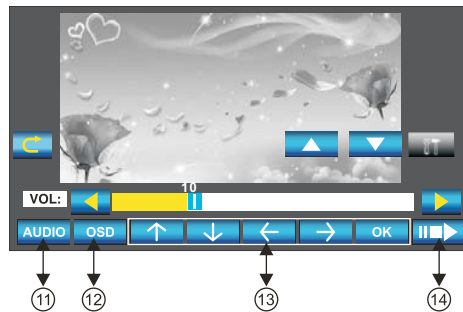exist or not, if there is no RDS signal, TFT will show "NO. TA. TP".

DISC PLAY TOUCH OPERATION

When playing disc, touch any position of the screen, it will display the function menu; touch the menu and the operation of relative function will display.
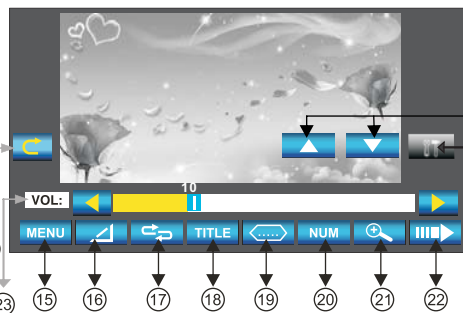
Note: When loading a disc, touch screen function can not be used.
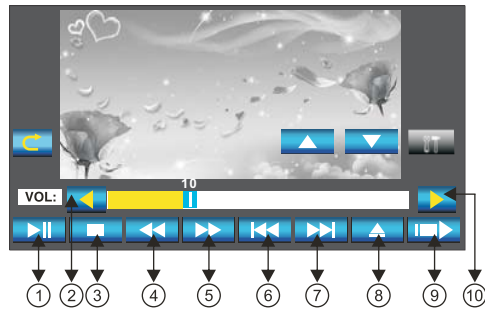
1. Click to choose play/pause
2. Click to reduce the volume
3. Click to stop playing
4. Click to choose the speed of quick back
5. Click to choose the speed speeding play
6. Click to leap backwards to play
7. Click to leap upwards to play
8. Click to exit
9. Click to enter the next page to setup the menu
10. Click to increase the volume
11. Audio
12. Click to display title, chapter, the time already played, the time left
13. At MP3 mode, press this button so you can move the cursor to left/right / up/down and select the songs which in the system menu. then press "OK" button to enter.
14. Click to enter next page set up menu
15. In DVD mode, touch this button to return the directory menu.
16. Click this button to switch to different angles of playing picture in the disc.
17. Repeat play
    DVD: Title Repeat → Chapter Repeat → Repeat play off
    VCD: Single song repeat → Full disc repeat → Repeat play off
    MP3: Single song repeat → Directory repeat → Repeat play off
18. Click on this button to enter title menu
19. Click this button to choose language,
20. click this button and the screen will display 0-10 button.
21. Click this button to ZOOM in/ ZOOM out the picture.
22. Click to enter the menu of operation for touching.

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. Chapter→ TITLE → REP ALL → OFF
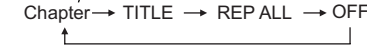
10. Angle switch
If the DVD disc is recorded with multi-angles, you can press the ANGLE button to switch the angle during playing.
The sequence is as follow:
ANGLE 1 → ANGLE 2 → ANGLE 3
Note:
1. It just can be worked by the remote control.
2. It is only for the DVD disc which has multi-angle.
3. If there 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 ②)) sign on the cover of the DVD disc, ②)) 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-Subtitle
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.

DVD BASIC OPERATION

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

1. Pause play
In playing mode, press ►ll button on remote control, or ►ll touchbutton 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 ►ll 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 ►ll button on remote control or touch button on display, unit will play from the first song.

3. Speed forward / 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 ►►l / l◄◄ touch button on display to choose previous/next song.
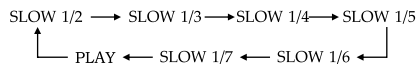
5. Switch system
In playing mode, short press the BAND/P/N button on remote control,
Note: This function can only be worked by the remote control.
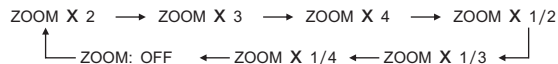
6. Slow play
Press SLOW button on remote control to slow play. The level of slow playing is as follows. Sequence is :

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 X 2 ⟶ ZOOM X 3 ⟶ ZOOM X 4 ⟶ ZOOM X 1/2
ZOOM: OFF ⟵ ZOOM X 1/4 ⟵ ZOOM X 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.

---

23. Click this to choose mode as below:
VOL→BASS→TRE→BAL→FAD, after your desired mode is selected, touch VOL+/VOL- to adjust the volume.

24. Press this button to adjust angles of the monitor.

25. Back main menu.

26. AUDIO/VIDEO adjustment.

27. Click to select your desired song or chapter.

28. Return to the menu one level.

Note:
1. When playing VCD, if PBC FUNCITION is on, repeat play is not available.
2. PBC is only suitable for VCD.
3. For VCD disc with play memory, you can use the PBC function;
4. Press PBC in the remote control, Play/Off PBC, press one time to play from the first song;
5. When PBC is on, you can choose speed forward or backward, leap forward or backward, but repeat play is not available.
6. When PBC is on, choose casual play, scan play or search play, PBC function will close automatically.

DVD MODE

✦ In DVD interface, touch setup" 🔳 "button into the audio/video setup interface as following.

AUDIO SETTING ON TOUCH SCREEN

Audio selection:
VOL → BAS → TRE → BAL → FAD

When using this function, the position bar will be highlighted.

EQ mode: Touch the button to change settings:
pop → ROCK ↔ CLASSIC → OFF

Change the listening position

Bass choosing: when touched the button will be yellow, touch this button to exit, touch it again to resume.

Loud choosing: this function is defined open, when it is touched at the first time, the loud function will be closed, at the same time, yellow light disappear.

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.