

## **SD555MB**

**BLUETOOTH®-ENABLED  
IN-DASH SINGLE-DIN DVD/MP3/CD AM/FM RECEIVER  
WITH 5.5-INCH WIDESCREEN TOUCHSCREEN TFT MONITOR  
WITH MINI-USB AND SD MEMORY CARD PORTS AND FRONT PANEL AV INPUT**

07.2010

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



**SOUNDSTORM®**  
LABORATORIES

3451 LUNAR COURT, OXNARD CA 93030

PHONE: 888.38.STORM

805.983.8008

FAX: 805.983.7068

TECHNICAL SUPPORT:

[www.soundstormlab.com](http://www.soundstormlab.com)



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



## **SD555MB**

**BLUETOOTH®-ENABLED  
IN-DASH SINGLE-DIN  
DVD/MP3/CD AM/FM RECEIVER  
WITH 5.5-INCH WIDESCREEN  
TOUCHSCREEN TFT MONITOR  
WITH MINI-USB AND SD MEMORY CARD PORTS  
AND FRONT PANEL AV INPUT**



# SPECIFICATON

## GENERAL

Power Supply Requirements:	DC 14.4V, Negative Ground
Load Impedance:	4 ohms
Maximum Output Power:	80W x 4(CH)
Chassis Dimensions:	178x163x50mm(WxDxH)

## DVD DECK SECTION

Discs Played:	DVD, MPEG4,DIVX,VCD 1.0/2.0/3.0,MP3 WMA, CD, CD-R, CD-RW, Picture-CD
Video system:	AUTO/PAL/NTSC
Mounting Angle:	0° ~ 30°

## VIDEO SECTION

Video System:	4:3 Letter Box, 4:3 Pan Scan,16:9
Video Output Level:	1.0V p-p 75 ohms

TFT SIZE:	5.5”
-----------	------

## AUDIO SECTION

Maximum Output LEVEL:	2Vrms (+ 3 dB)
Frequency Response:	20~20KHz
Signal-to-noise Ratio:	65dB
Separation:	65dB

## FM TUNER SECTION

Tuning Range:	87.5-107.9MHz(U.S.A.)
IF:	10.7MHz
Usable Sensitivity (-30dB):	15dB
Signal-to-noise Ratio:	60dB
Stereo Separation:	30dB(1KHz)
Frequency Response:	20~20000 Hz

## AM TUNER SECTION

Tuning Range:	530-1710KHz(U.S.A.)
IF:	450KHz
Usable Sensitivity(-20dB) :	28dB

NOTE: Design and specifications are subject to change without notice for improvements.



SD555MB

# Contents

*In-Dash AM/FM  
DVD/MP3/SD/MMC Receiver With  
5.5" Widescreen Touchscreen TFT Monitor  
With Front Panel USB Port*

Notes .....	2
About the instruction manual.....	2
Precautions.....	3
Wiring diagram.....	4
Control panel layout.....	5
Basic operation.....	6
Basic operation.....	6
Radio operation.....	11
Touch screen operation.....	14
RDS operation.....	18
Bluetooth.....	20
Remote control layout.....	22
Remote control operation.....	23
Setup.....	29
A. System setup.....	29
B. Language setup.....	30
C. Audio setup.....	31
D. Video setup.....	32
E. Digital setup.....	33
Installing the front panel.....	34
Cleaning the connector.....	34
Unit installation.....	35
Specifcaton.....	36

## NOTICE

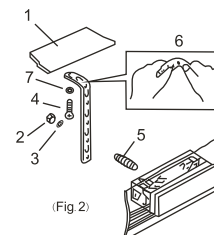
### NOTICE

- This product is designed to operate with a 12 volt DC circuit. Before Installation, please make sure to disconnect the vehicles battery.
- Wires must be connected according to the installation guide. Wrong wiring connections can cause internal damage to the unit and the vehicles wiring system.
- After the wiring connections are complete, connect the positive and negative connections on the vehicles battery. Before powering on the head unit, use a tool with a sharp edge and reset the unit with the reset button which is located on the front of the unit (behind the faceplate).

### ABOUT THE INSTRUCTION MANUAL

- The instruction manual is designed to help you to understand and use all the features and functions of the unit. Please read the manual carefully before operating the unit.

## UNIT INSTALLATION

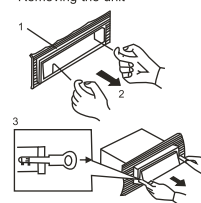


1. Dashboard
2. Nut (5mm)
3. Spring Washer
4. Screw (5 x 25mm)
5. Screw
6. Strap

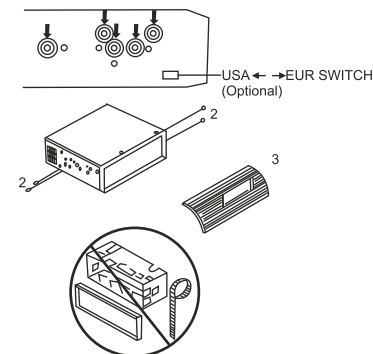
Be sure to use the strap to secure the back of the unit in place. The strap can be bent by hand to the desired angle.

7. Plain Washer

Removing the unit



1. Frame
2. Insert fingers into the groove in the front of frame and pull out to remove the frame. (When reattaching the frame, point the side with a groove downwards and attach it.)
3. Lever  
Insert the levers supplied with the unit as shown in figure until they click. Pulling the levers makes possible to remove the unit from the dashboard.



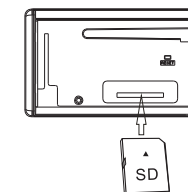
### Fastening the unit to the factory radio mounting bracket:

1. Select a position where the screw holes of the bracket and the screw holes of the main unit become aligned (are fitted), and tighten the screws at 2 places on each side. Use either truss screws (5 x 5mm) or flush surface screws (4 x 5mm)
2. Screw
3. Dashboard or Console

### DIN REAR-MOUNT (Method B)

Installation using the screw holes on the sides of the unit.

NOTE: The mounting box, outer trim ring, and half-sleeve are not used for method B installation.



### INPUT THE SD CARD

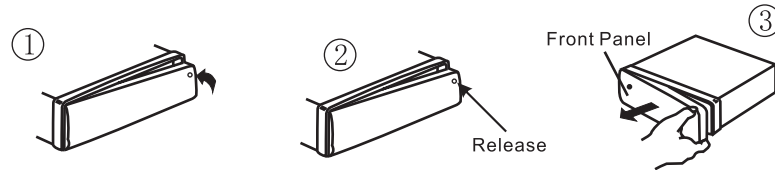
The SD oblique angle keeps rightward exposure. Put into the SD slot and press it again to eject.



# PRECAUTIONS

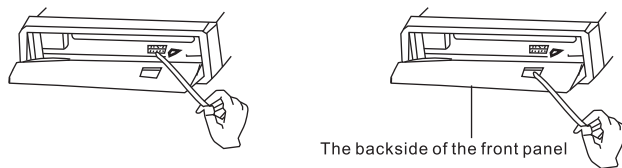
## INSTALLING THE FRONT PANEL

To install the front panel, insert the panel into the housing and make sure the panel is properly installed, otherwise, abnormalities occur on the display or some keys will not function properly.



## CLEANING THE CONNECTOR

If the connector between the main unit and the front panel is dirty, it may result in abnormal working conditions. To avoid such problems, please detach the front panel and clean the connector with an alcohol swab. Gently clean and avoid damaging the connector.



**NOTE:** ALWAYS SHUT THE CAR OFF WHEN YOU WANT TO CLEAN THESE TABS.

## THIS UNIT CAN PLAY THE FOLLOWING DISC ONLY

TYPE OF DISC	LABEL ON THE DISC	RECORDED MATERIAL	SIZE OF DISC
MPEG4/DIVX	MPEG4 VIDEO DIVX	Sound and moving pictures	12CM
DVD	DVD	Sound and moving pictures	12CM
VCD	video Compact Disc	Sound and moving pictures	12CM
MP3/WMA	MP3 WMA	Sound only	12CM
CD	Compact Disc	Sound only	12CM

NOTE: The unit is compatible with DVD, DVD+/-R, VCD 1.0/2.0/3.0, SVCD, CD, CD-R, CD-RW and JPEG

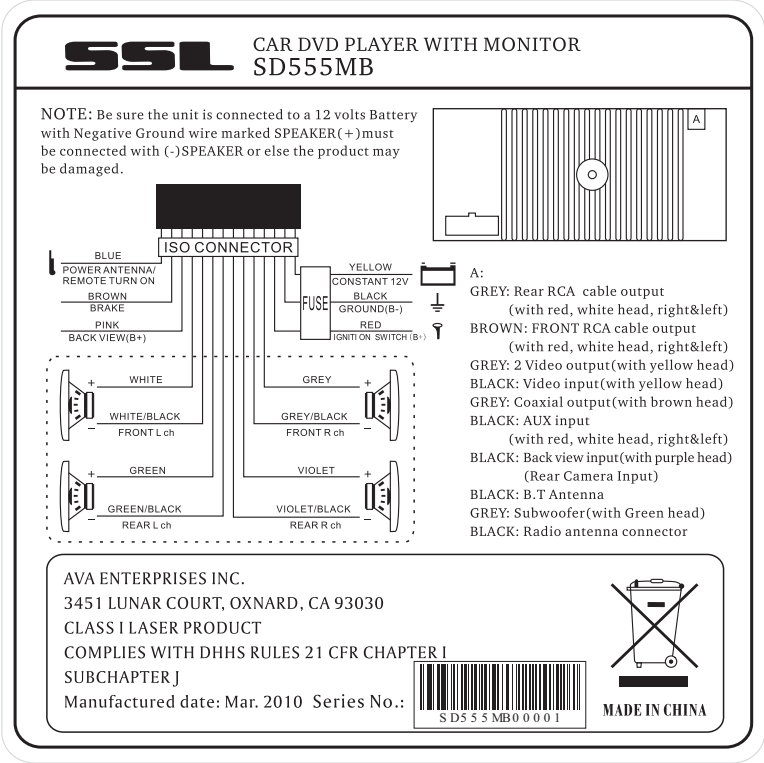
- DO NOT ATTEMPT TO MODIFY THE UNIT, MODIFYING THE UNIT MAY CAUSE AN ACCIDENT.
- STOP THE VEHICLE BEFORE CARRYING OUT ANY OPERATION THAT COULD INTERFERE WITH YOUR DRIVING.
- DO NOT TURN ON THE UNIT IF THE TEMPERATURE INSIDE THE VEHICLE IS OUT OF -20°C TO 60°C.
- THIS PRODUCT IS DESIGNED FOR ONE SINGLE VIDEO OUTPUT, PLEASE USE A SPLITTER IF YOU WOULD LIKE TO CONNECT FOR MULTIPLE VIDEO OUTPUT.
- TO ENJOY OPTIMUM SOUND AND VISION WHILE PLAYING, HANDLE THE DISC AS FOLLOWS:

- Handle the disc by its edge to keep the disc clean, and do not touch the surface.
- Do not use your CDs with paste residue or ink attached.
- Do not use CDs with labels or stickers attached, which may leave a sticky residue while beginning to peel off.
- Clean the discs with an optional cleaning cloth. Wipe each disc from center out.



# WIRING DIAGRAM

## WIRE CONNECTION

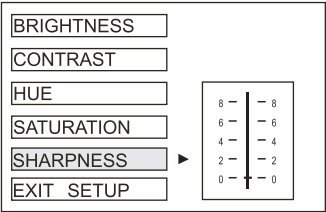


### ▲ WARNING

The BRAKE WIRE must be connected to the negative (-) side of the parking brake. If the brake wire is not connected to the negative (-) side of the parking brake, the unit will play the movie and you can hear the audio output but it will not display the video signal on the front display of the unit. It will display a warning message.

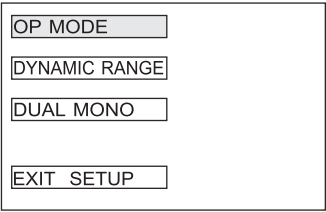
# SETUP

## 5. Sharpness



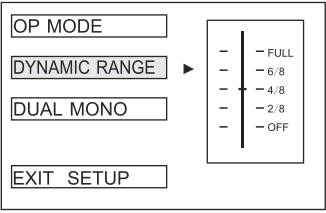
## E. DIGITAL SETUP

This is for the user to set operation mode, dynamic range compression and stereo mode.



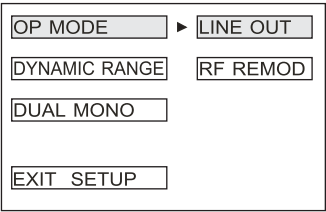
## 2. Dynamic Range

To set the dynamic range compression.



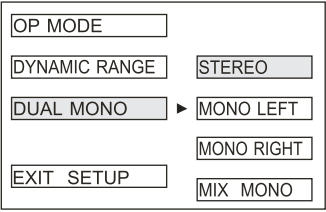
## 1. OP Mode

To set the operating modes for Dobyly Digital decoder.



## 3. Dual Mono

To set the stereo mode.

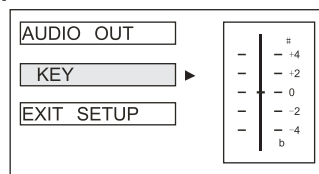


# SETUP

## SPDIF/RAW:

When the player is connected with the power amplifier by the analog or optical port, please select this item; when the playing disc which is recorded by Dolby Digital, DTS or MPEG recoding system, the analog or optical output signal of the unit will be the same as the digital signal (RAW format) of the playing disc. At the same time, the power amplifier you connected must have the decode function of Dolby Digital, DTS or MPEG.

### b. key



## SPDIF/PCM:

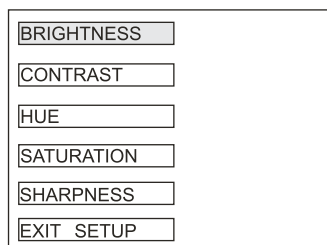
When the player is connected with the 2 channel, digital stereo amplifier, please select this item; when the playing disc which is recorded by Dolby Digital or MPEG recording system, the analog or optical output will be modulated to 2 channel output by PCM.

## D. VIDEO SETUP

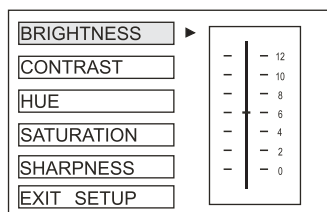
This is for the user to set Brightness Contrast, Hue and Saturation of the picture by pressing the arrow left/right button.

Press Enter button to confirm the change.

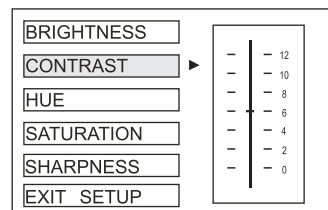
NOTE: ONLY ON TV/AV MODE, THE VIDEO SETUP IS AVAILABLE.



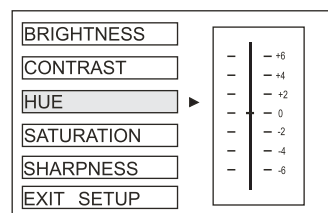
### 1. Brightness



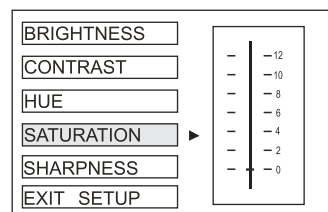
### 2. Contrast



### 3. Hue

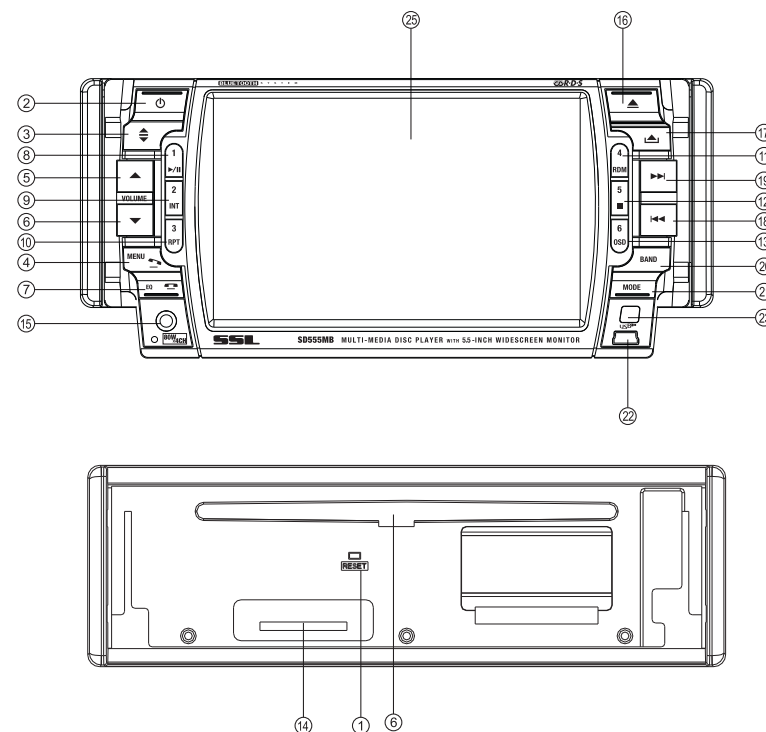


### 4. Saturation



# CONTROL PANEL LAYOUT

## FRONT PANEL LAYOUT



1. Reset Button
2. Power Button
3. Angle Adjust
4. Menu/ Button
5. Volume+ Button
6. Volume- Button
7. EQ/ Setup
8. Preset Button 1/Play/Pause
9. Preset Button 2/Intro
10. Preset Button 3/Repeat Play
11. Preset Button 4/Random Play
12. Preset Button 5/Stop
13. Preset Button 6/Screen Display
14. SD Slot (used for multimedia play)
15. AV IN
16. Eject Konb
17. Release Button
18. Previous & Backward Button
19. Next & Forward Button
20. Band/Video S-System Switch
21. Mode Switch
22. Mini USB Connector
23. Remote Control Sensor
24. CD Slot
25. TFT Display Screen

# BASIC OPERATION

**BASIC OPERATION**(referring to the following touch operation)

## SYSTEM INITIALIZATION

After the initial installation or replacing the vehicles battery, use a tool with sharp edge to reset the unit with the reset button (①RESET).

**Notice:** When any of the functions fail, you can use the reset button to reset the unit. After resetting the unit, all the settings will reset to factory default mode.

## POWER ON/OFF

After installation is complete, the unit can be powered on and off using the POWER button on the unit or the remote control.

## ANGLE ADJUSTMENT

In order to obtain best viewing effect when watching video, shortly press key “ ③ ▼▲ ” to make display panel angle adjust. For the display panel, there are six angles step for adjustment. The display panel will slide an angle downward by pressing the key once. When sliding to the extremely low location, press the key again to return. At the same time, upward-sliding regulation will be realized by touch the upper-left corner of the display screen and downward-sliding regulation will be realized by touch the upper-right corner of the display panel. Press key “▲ ” for a long time to automatically return or slide to the horizontal position.

**Note:** When invalid operation occurs for setting the viewing angle of display panel, it is recommended to take off the panel and press “RESET” button to recover.

## MAIN MENU SETUP

Under any mode , press “MENU” key or touch the center of the display panel to enter main menu interface.

## VOLUME CONTROL

Press “Volume+” button to increase power output and press “Volume-” button to reduce power output, or touch the two ends of volume status bar in the middle on display panel to regulate the volume.

# SETUP

## 2. AUDIO Language

OSD LANGUAGE	CHINESE
AUDIO LANG	▶ ENGLISH
SUBTITLE LANG	JAPAN
MENU LANG	FRENCH
DIVX[R] VOD	SPANISH
EXIT SETUP	PORTUGUESE
	LATIN
	GERMAN

## 3. SUBTITLE Language

OSD LANGUAGE	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE LANG	▶ JAPAN
MENU LANG	FRENCH
DIVX[R] VOD	SPANISH
EXIT SETUP	PORTUGUESE
	GERMAN
	OFF

## 4. MENU Language

OSD LANGUAGE	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE LANG	JAPAN
MENU LANG	▶ FRENCH
DIVX[R] VOD	SPANISH
EXIT SETUP	PORTUGUESE
	GERMAN
	LATIN

## 5. DIVX[R] VOD Language

OSD LANGUAGE	
AUDIO LANG	
SUBTITLE LANG	
MENU LANG	
DIVX[R] VOD	▶ REGISTER CODE
EXIT SETUP	

## C. AUDIO SETUP

SPDIF/OFF

Analog or optical output port all has not output signal.

AUDIO OUT
KEY
EXIT SETUP

### a. Audio Out

This is to activate the audio output from ANAL OG/OPTICAL mode to SPDIF/ RAW mode or SPDIF/PCM mode.

AUDIO OUT	▶ SPDIF/OFF
KEY	SPDIF/RAW
EXIT SETUP	SPDIF/PCM

## SETUP

### 6. RATING

Select suitable guidance rating by the cursor button and confirmed by pressing ENTER button.

Rating 1: [Kid Safe]

Select this when the programs are safe to all kid view.

Rating 2: [G]

Select this that allows admission to person of all ages.

Rating 3[PG]

Select this that needs parental guiding their children.

Rating 4[PG13]

Select following when children under 13 are forbidden to view.

Rating 5[PG-R]

Select this when the "PG-R" was printed on the DVD disc.

Rating 6 [R]

Select this when children under 17 must be guide to view by their parents.

Rating 7[NC-17]

Select this when children under 17 are forbidden to view

Rating 8[Adult]

Select this, when only allows admission to all adults.

TV SYSTEM	1 KID SAFE
SCREEN SAVER	2G
VIDEO	3PG
TV TYPE	4PG13
PASSWORD	5PG-R
RATING	6R
DEFAULT	7 NC 17
EXIT SETUP	8 ADULT

### 7. Default

Recover acquiescing in state when leaving the factory.

TV SYSTEM	
SCREEN SAVER	
VIDEO	
TV TYPE	
PASSWORD	
RATING	
DEFAULT	▶ RESTORE
EXIT SETUP	

## B. LANGUAGE SETUP

Select the preferred OSD Language, Audio Language, Subtitle Language and Menu Language by using the cursor buttons.

OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG
DIVX[R] VOD
EXIT SETUP

### 1. OSD Language

OSD LANGUAGE	▶ ENGLISH
AUDIO LANG	CHINESE
SUBTITLE LANG	GERMAN
MENU LANG	SPANISH
DIVX[R] VOD	FRENCH
EXIT SETUP	PORTUGUESE

## BASIC OPERATION

### EQ SETTING

Shortly press "EQ" button to select sound effect, including "FLAT", "POP", "CLASSIC" and "ROCK".

### PRESET BUTTON

Save your favorite radio channel by preset buttons and the operation step is as follows:

Under radio or TV mode, press any preset button after searching the radio channel, then the radio channel will be saved in corresponding number. For RM radio, 18 radio channels will be saved at most. For AM radio, 12 radio channels will be saved at most.

**Note:** Preset buttons 1, 2, 3, 4, 5 and 6 have double functions. They can save and call out radio channel under radio mode. However, Under play mode, VCD and DVD etc, the above-mentioned buttons have other functions, please refer to related operating instructions.

### PRESET BUTTON 1/PLAY/PAUSE

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode, shortly press the button to pause and repress the button to play again.

### PRESET BUTTON 2/INTRO

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode, shortly press to start up the song browse and play function. Repressing the button will close browse and play 10 seconds before playing each song.

### PRESET BUTTON 3/REPEAT PLAY

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode, shortly press the button to start up repeat play function:

# BASIC OPERATION

When playing CD disc, the functions of signal song repeat (RPT 1), all song repeat (RPT ALL) and close repeat play (RPT OFF) can be realized; when playing MP3/WMA, the functions of signal song repeat (RPT 1), directory repeat play (RPT DIR), whole disc repeat play (RPT ALL) and close repeat play (RPT OFF) can be realized; when playing DVD, the functions of chapter repeat (RPT CHAPTER), title repeat play (RPT TITLE), whole disc repeat play (RPT ALL) and close repeat play (RPT OFF) can be realized.

## PRESET BUTTON 4/RANDOM PLAY

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode shortly press the button to start up random play function and repress to stop playing.

## PRESET BUTTON 5/STOP

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode, shortly press the button once to enter the state ready to stop playing and shortly press the button twice to enter the state of stopping play.

## PRESET BUTTON 6/SCREEN DISPLAY

Under radio mode, shortly press the button to select pre-stored frequency channel and press for a long time to save the selected frequency channel. Under play mode, press the button to display the current play state, including song, chapter, play time and remaining time.

## SD SLOT (used for multimedia play)

Use high-speed transfer 2.0 interface and insert SD/MMC card. High capacity of MP3, MP4 and JPEG files can be read.

## USB SLOT (used for multimedia play)

Use high-speed transfer 2.0 interface and insert USB. High capacity of MP3, MP4 and JPEG files can be read.

# SETUP

## A. SYSTEM SETUP

### 1. TV System

This player can play discs recorded in either PAL or NTSC format. Select NTSC format when you connected to NTSC TV. Select PAL format when you connected to PAL TV. If you select AUTO, the unit will auto select the format (PAL/NTSC) according to your TV system.

TV SYSTEM	TV SYSTEM ▶ NTSC
SCREEN SAVER	AUTO PLAY PAL
VIDEO	TV TYPE AUTO
TV TYPE	PASSWORD
PASSWORD	RATING
RATING	DEFAULT
DEFAULT	EXIT SETUP
EXIT SETUP	

### 2. Screen Saver

TV SYSTEM	SCREEN SAVER ▶ ON
VIDEO	OFF
TV TYPE	
PASSWORD	
RATING	
DEFAULT	
EXIT SETUP	

### 3. VIDEO

TV SYSTEM	INTERLACT-YUV
SCREEN SAVER	TV-RGB
VIDEO	P-SCAN YBPBR
TV TYPE	PC-VGA
PASSWORD	S-VIDEO
RATING	
DEFAULT	
EXIT SETUP	

## 4. TV Type

1) 4:3 PS

Played back in the PAN & SCAN style ( If connected to wide screen TV, the left and right edges are cut off ).

2) 4:3 LB

Played back in LETTERBOX style.

( If connected to wide screen TV, black bands appear at top and bottom of the screen.

3) 16:9

Select when a wide screen TV set is connected.

TV SYSTEM	TV TYPE ▶ 4:3 PS
SCREEN SAVER	PASSWORD 4:3 LB
VIDEO	RATING 16.9
TV TYPE	DEFAULT
PASSWORD	EXIT SETUP
4:3 LB	
16.9	

## 5. Password

Enter the password and press ENTER button. Type the old password ( The instal factory code is 0000 ) and key in 4 characters password now you want to use, and type again to confirm.

TV SYSTEM	PASSWORD ▶
SCREEN SAVER	
VIDEO	
TV TYPE	
PASSWORD	
RATING	
DEFAULT	
EXIT SETUP	



## REMOTE CONTROL OPERATION

---

### STOP THE PLAYBACK

In Disc playing mode, press (20) button to suspend the playback, press it again to stop the playback.

### MULTI-ANGLE KEY

In DVD playing mode, press (21) key, you can watch the DVD content from different angle. If the disc supports.

### SLOW REVERSE/SLOW ADVANCE PLAY

During DVD/VCD playing mode, press (22) key once for ½ slow advance, twice for 1/3, third for 1/4, fourth 1/5, fifth for 1/6, sixth 1/7, seventh return to normal playback speed.

### Title Key

In DVD playing mode, press (24) key to show all tracks' title on TV screen. Then press (14) (0~10+) key or press (4) key to choose your desired track number and press (18) (ENTER) key or (2) key to start.

**NOTE:** NO TITLE DISPLAY IN MP3, WMA, CD MODE.

### ZOOM KEY

In DVD/VCD playing mode, press (25) key once for 2 x zoom, twice for 3 x zoom, third time for 4 x zoom, fourth time for ½ zoom, fifth time for 1/3 x zoom, sixth time for 1/4 x zoom, seventh time to cancel the zoom mode. And you can pan the picture by pressing the cursor keys.

**NOTE:** NO ZOOM FUNCTION FOR MP3, WMA, CD PLAYING MODE.

## BASIC OPERATION

---

### EJECT KNOB ⑩

Press the button, the panel will automatically slide to the lowest position, then insert disc or eject disc. When panel is located at an angle, press the button for 2 seconds, then the panel will automatically slide back to the normal position.

### RELEASE BUTTON ⑪

Press the button to release the front panel.

### RADIO PREVIOUS OR FORWARD ⑫

Under the radio mode, shortly press the button to search channel manually and press the button for a long time to search channel automatically. Under the DVD mode, shortly press the button to select next song. Press the button for a long time to play quickly, with 2, 4, 6, 8, 16 and 20 times-speed forward play.

### RADIO NEXT OR BACKWARD ⑬

Under the radio mode, shortly press the button to search channel manually and press the button for a long time to search channel automatically. Under the DVD mode, shortly press the button to select previous song. Press the button for a long time to play quickly, with 2, 4, 6, 8, 16 and 20 times-speed backward play.

### MODE BUTTON ⑭

Press the MODE button continuously to switch between RADIO, DVD, USB, SD and Bluetooth functions. If there is no disc, USB or SD card inside the unit, the unit will automatically switch to the next function.

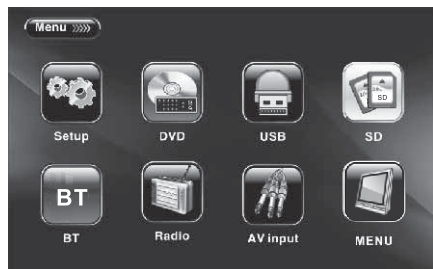
### BAND/VIDEO S-SYSTEM SWITCH ⑮

Under the radio mode, press the button to select different wave bands of FM or AM radio. Under the video mode, press the button to select different color system. If the unit does not have built-in TV tuner then it should not have any instructions included for that function.

## BASIC OPERATION

### CLOCK DISPLAY AND SETUP

Open the Main menu, pressing set-up button.



Press “BASIC” button into the set up menu , then press ▲/▼ to start TIME set up



Fist step, Press ◀ / ▶ to select CLOCK “ON”, second step, select SYSTEM then calibrate the time.

### MUTE FUNCTION

By touching the middle status bar of the volume function, the audio output of the unit will be disabled. By retouching the middle status bar of the volume function the unit will resume audio output. Mute function can also be used by holding the EQ button for 1 second.

### (AV IN) EXTERNAL JACK

It is the input jack of external audio and video signal.

### REMOTE CONTROL SENSOR

It can receive the infrared signal transmitted from remote controller.

## REMOTE CONTROL OPERATION

### B: Language setup menu

The menu contains a series of functional menu, such as OSD language, audio language, subtitle language and menu language etc. For more information, please refer to “language setup menu”.

### C: Audio setup menu

The menu contains a series of functional menu, such as digital output and tone etc. For more information, please refer to “audio setup menu”.

### D: Video setup menu

The menu contains a series of functional menu, such as brightness, brightness, chroma, saturation and acutance etc. For more information, please refer to “video setup menu”.



# REMOTE CONTROL OPERATION

## SLOW FORWARD/BACKWARD PLAY

Under playing mode, press ◀▶/▶▶ button for 1 second to enter forward/backward play and there are 1/2, 1/3, 1/4, 1/5, 1/6 and 1/7 of times speed for selection.

## TITLE (TITLE) BUTTON

Under DVD mode, pressing the button can return the top menu of DVD. Then, select your favorite song and press the “ENTER” button to confirm the song you selected.

## ZOOM (ZOOM) BUTTON

Under video or image play mode, pressing the button can zoom the aspect at the ratio of 2, 3, 4, 1/2, 1 and 1/4.

**NOTE:** Zoom function is invalid under the mode of playing CD/MP3/WMA.

## EQ (PRESET BALANCE) BUTTON

Pressing the “EQ” button on remote controller can select preset balance modes, such as ROCK, POP, CLASSIC, JAZZ and FLAT etc.

## “SETUP” BUTTON:

1. Under play mode or entering STOP status under play mode, press “SETUP” button to enter the setup interface of DVD play.
2. After entering the setup interface, press the four arrow buttons and menu button to move cursor to select corresponding item.
3. After selecting corresponding item, press “ENTER” button to confirm selection.
4. Repressing the “SETUP” button to exit setup interface and setup operation is finished.

### A: System setup

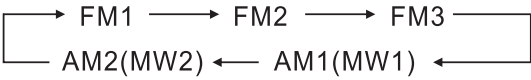
The setup interface contains a series of functional menu, such as TV system, screen protection, video output, screen aspect ratio, password, level and default value etc. For more information, please refer to “system setup menu”.

# BASIC OPERATION

## RADIO OPERATION (referring to the following touch operation)

### RADIO BAND SELECTION

Press "BND" button to select wave band according to the following order:



**NOTE:** Under DVD mode, pressing “BND” button will switch color system, and under TV mode, pressing “BND” button will switch audio system.

### MANUALLY AND AUTOMATICALLY SELECT CHANNEL

Shortly press the channel selection ◀◀ button or ▶▶ button continuously to select radio channel at positive or opposite direction.

Press ◀◀ or ▶▶ button and hold for 1 second to automatically select radio channel at positive or opposite direction. After searching the radio, the headunit will automatically play the channel searched.

### LOC/DX SELECTION

In the operation interface of radio, press “LOC/DX” button, two different receiving modes can be selected for FM radio. The default receiving mode is DX mode. Under the mode, the search range of low frequency modulation can cover the local radio channel and out-of-area radio channel. When selecting LOC mode, screen displays LOC. Under the mode, the search range of low frequency modulation is only limited to the local radio channel.

### SINGLE TRACK/ STEREO SELECTION

On the operation interface of radio, double check on this button. ST should be stereo/mono.

### AUTOMATICALLY SEARCH/BROWSE & SAVE CHANNEL

1. On the touch operation interface of radio, press and hold “AMS” button for above 1 second, the function of automatically searching & saving channel will be activated. The headunit will automatically search and save channels in digital button 16.
2. Click “AMS” button to browse the channel saved in digital button. The browse time for each channel is 5 seconds. At the moment, if you want to select a channel, please press the corresponding digital button to select the channel.

## BASIC OPERATION

---

### PLAY OPERATION OF DISCS SUCH AS CD, MP3, VCD, DVD AND MP4 ETC

#### Play Disc

Press the “▲” button on panel to make display screen to slide to horizontal position, then insert disc into disc slot. The headunit will automatically load disc and play; if there is disc in the headunit, click the DVD icon on operation interface to enter play status. In addition, you also can press the “MODE” button on panel to switch to DVD play status.

#### Song Selection and Forward/Backward Play:

Under play status, press ◀◀ or ▶▶ button respectively to select previous song or next song.

Under play status, press ◀◀ or ▶▶ button and hold for above 1 second to enter fast backward or fast forward mode. The headunit is designed with 2, 4, 6, 8, 16 and 20 times-speed forward/backward play.

Press the digital press 19 on remote controller to directly input the series number of any song, then the headunit will automatically play the song under the series number.

When playing disc or USB/Sd card with different formats, you can select the required song by pressing the four arrow buttons on remote controller to move cursor position on display interface, then press “ENTER” button to confirm to play selected songs, which can be above 10 pieces. In addition, you also can select songs through the “10+” button and preset buttons from 0 to 9 on remote controller.

**NOTE:** Pressing the “10+” button on remote controller once will indicates 10+, twice for 20+, and so on.

#### PLAY AND PAUSE SONG

Under play mode, shortly press ▶|| button to pause and repress the ▶|| button to resume play.

#### BROWSE AND PLAY SONG

When playing CD, shortly press “2/INT” button to start up song browse & play function.

Repressing the button will close the browse & play function 10 seconds before playing a song.

**NOTE:** The function will not work under video play modes of MP3/WMA, or DVD, VCD and MP4 etc.

## REMOTE CONTROL OPERATION

---

### LOC/RDM (RANDOM PLAY) BUTTON

Under radio mode, pressing the button can realize short-range and long-range switch; under playing disc, pressing the button can play song at random.

### DIGITAL BUTTON

Pressing the button can directly call out the song, chapter or channel preset corresponding to the number. For “10+” button, pressing once means “10+”, pressing twice means “20+”, thrice for “30+”, and so on.

### AUDIO (Audio Language) BUTTON

Under DVD mode, pressing the button can transfer the dialogue language played; under VCD/CD mode, pressing the button can select left and right tracks as well as stereo.

### PBC/MENU (PBC/MENU) BUTTON

When playing VCD, press the button to display the all song menu of disc. Under DVD mode, pressing the button can return menu function.

### SUBTITLE (SUBTITLE) BUTTON

Under the mode of playing DVD, pressing the button can switch the category of subtitle language.

### MODE (MODE SWITCH) BUTTON

Pressing the button can realize the switch between radio, disc play, TV, navigation, USB/SD play and AUX.

### GOTO (SET PLAY TIME) BUTTON

Under play mode, press the button, then the screen will display song, chapter, time window. Use remote controller to input corresponding number, then press “ENTER” button to confirm the setting of play time.

### ANGLE (MULTI-ANGLE SWITCH) BUTTON

When playing DVD disc supporting multi-angle visual angle, pressing the button can switch different visual angles.

# REMOTE CONTROL OPERATION

Programming			
1 _____	5 _____	9 _____	13 _____
2 _____	6 _____	10 _____	14 _____
3 _____	7 _____	11 _____	15 _____
4 _____	8 _____	12 _____	16 _____
Play		Cancel	

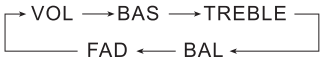
At the moment, you can input the serial number of songs to be programmed through the digital buttons on remote controller and moving cursor and put them in order according their order in operation interface, then move cursor to the “Play” button on interface and press the “ENTER” button on remote controller to confirm, then the selected songs will be played according to order programmed.

Repress the “ST/PROG” button to exit the programmed play, then press it again to return normal play order.

*NOTE: ST is only valid under FM radio mode.*

## Volume/Bass/Treble/L/R, front/back channel balance set BUTTON:

Press “SEL” button, then screen will display audio setup interface and repeat to press “SEL” button to switch mode according to the following order:



After entering each mode, you can set the value of each mode by regulating VOL.

*NOTE: After setting EQ mode, pressing the “SEL” button cannot select the coexisting mode of BAS and TREBLE.*

## ON-SCREEN DISPLAY

During DVD/VCD/CD mode, press OSD button, The displayer shows Track/Chapter,Current Time.

*NOTE: During MP3/WMA mode, only show directory and tracks.*

## AMS/RPT (Repeat Play/Auto Channel Save) BUTTON

Under play mode, pressing “AMS/RPT” button can select repeat play function; under radio or TV mode, pressing the “AMS/RPT” button can enable automatic search and save channel function.

# BASIC OPERATION

## REPEAT PLAY

Under play mode, shortly press “3/RPT” button on panel or click “3/RPT” button on touch screen to start up repeat play function:

When playing CD disc, the functions of single song repeat (RPT 1), all song repeat (RPT ALL) and close repeat play (RPT OFF) can be realized;

When playing MP3/WMA, the functions of single song repeat (RPT 1), directory repeat play (RPT DIR), whole disc repeat play (RPT ALL) and close repeat play (RPT OFF) can be realized;

When playing DVD, the functions of chapter repeat (RPT CHAPTER), title repeat play (RPT TITLE), whole disc repeat play (RPT ALL) and close repeat play (RPT OFF) can be realized.

## RANDOM PLAY SONG

Under play mode, shortly press or touch the “4/RDM” button on panel or touch screen and screen displays “RDM ON” to start up play function.

Repressing the button will stop playing and screen displays “RDM OFF”.

## STOP PLAY OPERATION

Under play mode, shortly press or touch the 5/■ button once on panel or touch screen to enter the state ready to stop play. shortly press or touch the 5/■ button twice to enter the stop play state. After stopping play, shortly pressing the ▲ button will recover to play.

## EJECT OPERATION

Under play state, shortly press the ▲ button on panel for more than 1 second, then the headunit will automatically eject the disc.

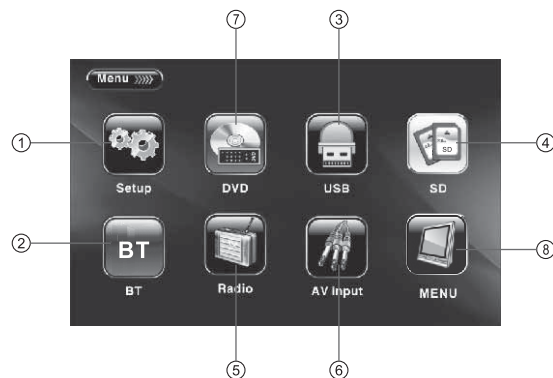
## USB/SD/MMC PLAY OPERATION

Use USB cord to connect USB and put it into the USB slot on panel, and insert SD card into the SD card slot on the housing. The headunit will automatically switch to USB or SD play state. When headunit is connected with USB/SD card, directly click USB or SD icon to enter USB/SD play operation interface.

## TOUCH SCREEN OPERATION

### Main Interface

Under any mode, shortly press the “MENU” button on panel or click the center of TFT screen to directly enter the main menu operation interface.



- |                          |                      |
|--------------------------|----------------------|
| 1. Mode Setup Button     | 5. Radio Mode Button |
| 2. Bluetooth Mode Button | 6. AV IN Mode Button |
| 3. USB Mode Button       | 7. DVD Mode Button   |
| 4. SD/MMC Mode Button    | 8. MENU Mode Button  |

On main menu interface, any functional mode can be selected. Only touch the corresponding functional mode icon to enter corresponding functional mode.

### RADIO INTERFACE

Touch radio interface on main interface to enter radio interface, which is shown as follows:



## REMOTE CONTROL OPERATION

### POWER BUTTON

Press the power button to turn on or off the power.

### ▶|| (PAUSE/PLAY) BUTTON

Under playing mode, press the ▶|| button to pause play and repress to play again.

### MUTE BUTTON:

Press the mute button once to disable the audio output. Press the mute button again to activate the audio output.

### MENU SELECTION BUTTON:

Press the four arrow buttons to move the cursor on operation interface to select the menu required and press “Next” button to ENTER or ▶|| button to confirm selection.

### BND/SYS (BAND/SYSTEM SWITCH) BUTTON:

Under radio mode, pressing the button can select the different bands of FM or AM radio. Under the mode of video play, pressing the button can select different color system. Under TV mode, pressing the button can select different audio system.

### VOL+/- (INCREASE/DECREASE VOLUME BUTTON):

Press VOL+ to increase volume and shortly press VOL- to decrease volume.

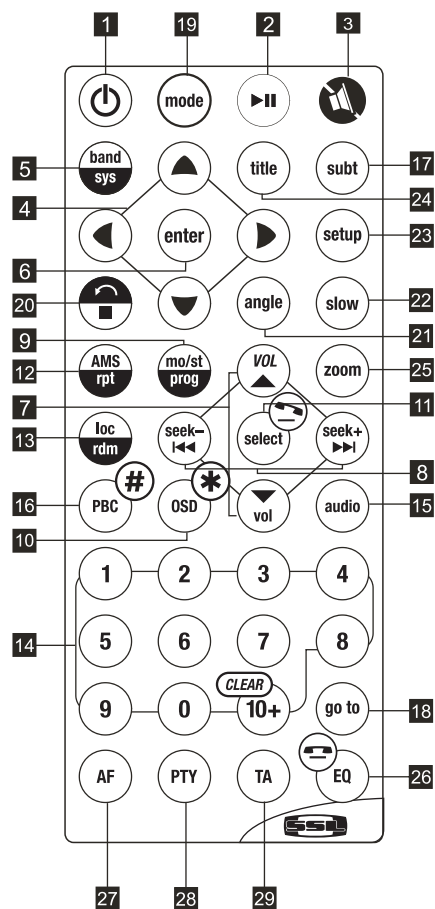
### ◀◀ / ▶▶ SEEK-/SEEK+

(Channel Selection / Song Selection / Fast Forward / Fast Backward Button): Please see the related operation in previous chapter.

### PROGR/ST (PROGRAM PLAY/STEREO) BUTTON:

During the mode of playing CD, MP3 and WMA etc, you can set the order of playing songs through programming and the operation is as follows: Press ST/PROG button, then the screen will display the following operation interface:

## REMOTE CONTROL LAYOUT



- 1 POWER BUTTON
- 2 PAUSE/PLAY BUTTON1
- 3 MUTE BUTTON
- 4 SELECTING MENU BUTTON
- 5 BAND/SYSTEM SWITCH
- 6 ENTER BUTTON
- 7 VOLUME CONTROL
- 8 TUNING/SELECTING/FW/RW
- 9 PROGRAM PLAYING
- 10 ON-SCREEN DISPLAY
- 11 SETTING THE SOUND /
- 12 REPEAT PLAYING
- 13 RANDOM PLAYING
- 14 NUMBER BUTTON
- 15 AUDIO SETTING
- 16 PBC MENU
- 17 SUBTITLE SETTING
- 18 PLAYING TIME SETTING
- 19 MODE SWITCH
- 20 STOP BUTTON
- 21 ANGLE SETTING
- 22 SLOW MOTION PLAY
- 23 SETUP MENU
- 24 MENU DISPLAY
- 25 ZOOM SETTING
- 26 EQ/ Button
- 27 Alternative Frequencies Button
- 28 Programme Type Button
- 29 Traffic Announcement Button

## TOUCH SCREEN OPERATION

Band button **[BND]** : Touch the button can switch wave band among FM1, FM2, FM3, AM1 and AM2. Each wave band can store 6 channels and totally 30 channels can be stored.

Frequency search **[<<]/[>>]** button: Touch the icon to respectively search the frequency of radio channel upward or downward automatically.

Automatically search and save **[AMS]** button: Touch the icon for above 1 second to enter automatic channel search function and save the largest channels in preset button from 1 to 6. Click the button to browse the radio channels pre-stored and each channel will play for 5 seconds.

Frequency scan **[SCN]** button: Touch the icon to search channel from low end to high end and play the channel searched for 5 seconds. At the moment, touching any icon within digital button from 1 to 6 can save your favorite channel to the digital button.

Stereo **[ST]** button: Touch the icon to enable and disable stereo mode.

Return **[↶]** button: Touch the icon to return back to the main menu interface.

**[AF]** : Alternative Frequencies Button (Details see RDS function).

**[PTY]** : Programme Type Button (Details see RDS function).

**[TA]** : Traffic Announcement Button (Details see RDS function).

### PLAY INTERFACE OPERATION

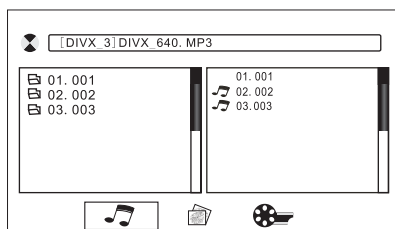


Under play mode, touching the center of display screen can pop up the play control buttons as shown in above figure. Touch the icon on display screen will pop up statusicon such as volume, brightness, chroma and acutance etc. Touch the center of the bottom on panel screen can enter MUTE mode and re-click "MUTE" button to recover.



## TOUCH SCREEN OPERATION

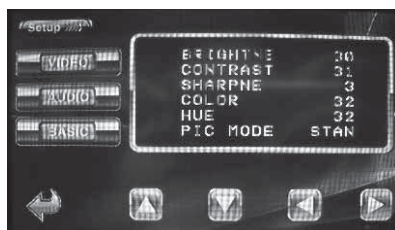
Under play mode, touch (1) can regulate the angle of display screen upward and touch (2) can regulate the angle of display panel slide down. Touch ►|| icon to pause playing and re-click it to recover to play. Touch ■ icon once can stop playing and Touch ◀/▶ icon can play previous or next song. Touch ◀/▶ icon can carry on fast forward or backward play, 2, 4, 6, 8, 16 and 20 times-speed available for selection.



When playing MP3/JPEG/MP4 files, touch the folder which you want to play to start playing files from the selected folder.

### SETUP INTERFACE

Click the button of Setup function mode on main menu interface to enter setup interface. Under setup interface, VIDEO setup, AUDIO setup and BASIC setup can be realized. Then, clicking ▲/▼ button can move cursor to select menu, clicking ◀/▶ button can set the setting value of menu selected and clicking ◀ button to exit setup.



#### 1. VIDEO SETUP

BRIGHTNE: Brightness

CONTRAST: Definition

SHARPEN: Sharpness

COLOR: Chroma

PIC MODE: Picture mode, STAN (basic)

→LIGHT (brightness)→ DARK→USER can be set up.

## BLUETOOTH

### 4. DIALING A CALL USING THE REMOTE CONTROL

Press “EQ/☎” button shortly to enter the bluetooth screen, then press the number button “0-9” and “\*” “#” to select a phone number.

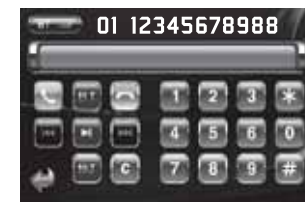
- Press button “ $\frac{10+}{C}$ ” can delete the mistaken number during you dialling.
- Press the button “MENU/☎” to confirm and call out a phone number which you have selected.
- Press “EQ/☎” to hand up after you finish your talking.




### 5. VIEW MISSED CALLS LIST


This bluetooth system can automatically record the call in Phone number which you have missed ( up to 10 phone number ).

- Press “EQ/☎” button shortly can entre the bluetooth screen, Then Press “EQ/☎” button shortly, can look up the phone numbers.
- Press “MENU/☎” button shortly to call out anyone phone number in the phone number book.



### 6. INTERRUPT BLUETOOTH CONNECTION/RECONNECTION.

Touch the  icon on screen to interrupt the current bluetooth connection, when the mobile phone at hands free or A2DP status, sounds of phone or music will turn back to mobile speaker.

Touch the  icon on screen will reconnect the bluetooth matching ( some brand bluetooth mobile must activate mobile bluetooth device or music player).

NOTE: Different mobile phone have different responses. We do not guarantee all the operation of connectable devices.

# BLUETOOTH

## 1. PAIRING CONNECTED.

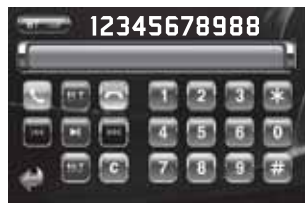
Turn on your CAR AUDIO SYSTEM, Put the mobile unit with bluetooth device function close to the CAR AUDIO Unit. The mobile will find the new bluetooth device "CAR AUDIO", Input the pairing password "8888" and click ok, the mobile will prompt the matching successful, when the pairing connected is succeeded, On the TFT screen, bluetooth logo will stop blinking. Then you may perform the bluetooth operation by press the button on the front panel on remote controller.

REMARK: depend on bluetooth mobile, the bluetooth system support "HSP" "HFP" "A2DP" and AVRCP bluetooth profile.

## 2. HANDSFREE PHONE SERVICE FUNCTION

After successfully pairing your mobile device with the unit, the Bluetooth function will automatically activate when receiving or making calls and you can hear the audio through the speakers of your system. The unit will display the callers number on the front display.

- Press the " MENU/ ↶ " button shortly to accept the call. Then you can talk with the other party through the microphone on the front panel.
- Press "EQ/ ↷ " button shortly to reject the call when call is coming.
- Press "EQ/ ↷ " button shortly to hand up after you finish the talking.



## 3. PLAYING MUSIC BY A2DP.

Through the A2DP connected by mobile and unit, When you activated your mobile music player to play music, sound of the music playing in the mobile music player will turn to the CAR AUDIO system playing, press the button "⏮" and "⏭" can select the music track.

For Playing the music through A2DP, Please change to BT mode and connect to your mobile device first.



# TOUCH SCREEN OPERATION



## 2. AUDIO SETUP

BASS: Bass

TREBLE: Treble

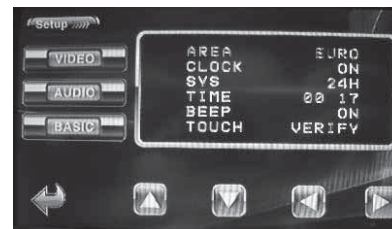
BALANCE: Volume balance of front and back speaker

EQ: Equalizer

LOUD: Loudness equalization control

## 3. BASIC SETUP

AREA: Region, pressing the button can select the radio frequency of different regions.



CLOCK: Clock, pressing the button can select whether to display clock on display screen or not.

SYS: Clock system, pressing the button can select 12 hours of clock system or 24 hours of clock system.

TIME: Time, pressing the button can set the time of clock.

BEEP: This function allows you to active or disable the internal BEEP tone when using any of the function keys on the unit.

TOUCH VERIFY: To calibrate the touch screen function, enter the menu setup and press the ⏮ ⏭ to calibrate the accuracy of the function.

# RDS OPERATION

## RDS(RADIO DATA SYSTEM)OPERATION

**TA:**  
**Operated as follows:**  
-TA is turned ON/OFF and TA indicator is displayed.  
When traffic announcement is transmitted, regardless of the mode, traffic announcement is received.  
If VOLUME LEVEL is below 24, VOLUME LEVEL is raised to 24, and returns to its previous mode and volume level when the traffic announcement is over.  
If volume is adjusted during traffic announcement, only the previous volume is valid.  
-When TA is on, SEEK, SCAN, AUTO MEMORY function can be received or saved only when traffic program identification code has been received.  
-When TA is ON, traffic program identification code is not received during specified time.  
TA SEEK: TA SEEK is activated.

## PTY RADIO MODE

Press “SEL”Button more than 1 second is PTY function.  
-Previous PTY is displayed when PTY key(19) is pressed. If there are no keys entered for 2seconds, previously selected PTY is searched. During 1LOOP, if desired PTY is not found, NO PTY is displayed.  
-2 program types are SPEECH and MUSIC.  
Rotate VOL knob clockwise or anti-clockwise to select the desired program type.

## AF: Alternative Frequencies

- Setting RDS Mode Press AF button(9) and release immediately to switch on or off RDS mode. Whenever RDS is switched on, symbol “AF” appears on the display.

**NOTE:** TURN ON/OFF TA OR PTY MODE MUST PRESS THE BUTTON "TA" OR BUTTON "PTY" ON THE REMOTE CONTROLLER.

# RDS OPERATION

## AF/REG

**AF**  
- AF/REG key directs the activation of AF SEARCH.  
- AF indicator is displayed when AF is ON, AF search is activated when reception is had.  
- During FM MODE, when AF is ON, SEEK, SCAN, AUTO, MEMORY function can only receive and save RDS program. However, when Italy option is in use, regardless of RDS, programs that satisfy SD LEVEL Can be received and saved.

INDICATOR	CONDITIONS
AF ON	AF ON MODE, RDS information is received.
AF OFF	AF OFF MODE
AF FLASHING	AF ON MODE, RDS information is not received.

## REGION

- AF MODE is converted to REGION ON/OFF MODE when AF ON MODE is pressed for longer 1sec.  
- ON: P1 CODE is checked when AF CHECK in progress  
- OFF: P1 CODE and COVERAGEARE A is not checked when AF CHECK in progress.