

IM-DV1220 V1.0

PRECAUTION



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

CLASS 1 LASER PRODUCT

Laser product symbol: located on the rear panel of the unit, indicate this player is a class laser product, only use weak laser and no hazardous radiation outside of the unit.

1. Read through this instruction manual before installation and use.
2. Do not touch the power plug with wet hand.
3. Switch off the main power when the unit is not in use. (Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.) Before moving the unit, remove the disc from the unit/ tray first.
4. Do not open the cover or touch any of the components exposed out of the unit, only for qualified technicians.
5. Do not expose the unit under direct sunlight or nearby objects that radiate heat to avoid damage the unit.
6. Do not place the unit in moist and humid conditions, which effect the pick-up of the unit lead to out of work.
7. Place the unit on a flat surface and ventilative condition. Please ensure the ventilation holes are not covered to avoid overheating and malfunction.
8. Clear the panel and case with soft dry cloth only, do not apply any kind of thinner, alcohol or sprays.
9. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus .

8. Specification

General Specification

Power Supply Requirement.....DC 12V
 Power Output (RMS).....4 x 25W, 2 x 15W
 Dimensions(w x h x d).....249 x 118 x 178mm

DVD Deck Specification

Format.....DVD/VCD/JPEG/MP4/MP3/WMA/CD
 Video System.....NTSC/PAL/PAL-M/PAL-N/AUTO(optional)
 Audio System.....24 bit/96KHz
 Loading System.....Auto Loading
 Mounting Angle.....0 to +/-30

Video Specification

Video Type.....16:9 and 4:3
 Video Output level.....Composite: 1.0± 0.2Vp-p
 Load impedance: 75 ohms
 Horizontal Resolution.....600

Audio Specification

Audio Output(Analog audio).....2.0⁺⁰_{-1.0}Vrms
 Frequency Response.....20Hz ~ 20KHz(ref. 1KHz 0 dB)
 S/N Ratio(Audio).....≥0dB(at 1KHz 0 dB)
 Separation.....50dB
 Speaker Output.....4 Ω Min Load (connect 4 - 8 Ω speakers)

Radio Specification

FM Section

Frequency range.....87.5MHz - 107.9MHz(US)
 87.5MHz -108.0MHz(EU)
 87.5MHz -108.0MHz(AUS)

Usable sensitivity.....3uV
 I.F Frequency.....10.7MHz

AM Section

Frequency.....530KHz - 1710KHz(US)
 522KHz - 1620KHz(EU)
 522KHz - 1710KHz(AUS)

7. The Trouble Shooting

Please read the user's manual carefully before using the DVD player. If you have any problems with this product please refer to the below Trouble shooting guide to help you resolve the issue.

NO PICTURE, SOUND AND INDICATION

- Ensure that the power switch is on.
- Ensure that the wall inlet is ok.
- Ensure that the power cord is not damaged or the fuse is not blown.
- Ensure that the power plug is connected to the Inlet tightly.

NO SOUND BUT PICTURE OK

- Ensure that the player's audio output has a good connection with TV's audio input.
- Check whether the audio connector is damaged.
- Check whether you have turned down the volume.
- Ensure that you have set the right AUDIO setup of the player.
- Ensure that the audio is not under mute.

NO PICTURE BUT SOUND OK

- Ensure that the player's video output has a good connection with TV's video input.
- Ensure that you have turned your TV to the AV Input channel connecting to your player.
- Check whether the video connector is damaged.
- Ensure that you have set the right VIDEO settings of the player.

BLACK AND WHITE PICTURE OR SCREEN ROLLING

- Ensure that you have set the right TV SYSTEM (e.g. PAL, NTSC) setting.

FLAWS OF PICTURE OR SOUND

- Check whether the setting of AUDIO is right.
- Check whether the disc is scratched or stained.
- Check whether the AV connector and the output terminal is stained.
- Check whether there is condensation inside the Lens. If so, leave the player off for an hour or so, then try again.
- Check whether the installation angle is less than 30°.

DISPLAY NO DISC OR BAD DISC

- Ensure that you have put the disc on the tray.
- Check whether the disc is put in the reverse side.
- Check whether the disc is distorted.
- Check whether the disc is stained or scratched badly.
- Ensure that the disc format is compatible to the player.
- Ensure that the temperature inside the car is not too high. If so, cool off until the ambient temperature returns to normal.
- Replace another disc to insert it into the disc compartment.

REMOTE CONTROL IS INSENSITIVE OR DOES NOT WORK

- Check the batteries of remote control and make sure that they are not flat.
- Direct the remote control to the IR sensor of the player.
- Check whether there are some obstacles between the remote control and IR sensor.

SOME FUNCTION BUTTONS DO NOT WORK

- Turn off the power, then turn on again.
- Reset the unit to zero, then turn on again.
- Remove the front panel from the unit, then install it again and then turn on again.

THE RADIO DOES NOT WORK

- Check whether the antenna cable is connected firmly. Or manually tune for a station.

STEREO FUNCTIONS LOCK UP or BLUE TOOTH FUNCTION IS NOT RESPONDING TO DEVICE

- Use a metal pin to press the software reset button in the recess hole on the front of the stereo.

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1. Before Operation

Thank you for purchasing a Furrion Product, we hope you will enjoy using our product. For maximum enjoyment please look through the following manual to learn about all the features of your Furrion Stereo.

1.1 Features:

Digital AM / FM Tuner

DVD/CD-R/RW/MP3/MP4/WMA Compatible

Auxiliary inputs on front and rear

USB Input with charging function

Bluetooth with NFC function

3 Zone multi room audio output

Clock/Alarm Clock

1 x HDMI output

1 x RCA Audio/Video outputs for connecting additional TV

Coaxial and Optical Audio Input connections on the rear of the unit

1.2 Precautions

Ensure to connect this product to a 12V DC negative ground battery system which is standard in North America and European Vehicles.

Ensure when installing the Stereo all wire ends which are not being used are terminated with a insulated end to avoid wires shorting or earthing which can lead to the risk of fire or electrical shock.

Avoid inserting foreign objects into the disk loading slot of the Stereo as this will cause malfunction.

Do not expose this product in moist or wet environments, If condensation is present in the screen, wait for 1 hour or more for the moisture to evaporate. If the interior of the vehicle is extremely hot, do not use the player until the vehicle internal temperature has cooled down.

Do not use cleaning products on the front face of the product, only use a slightly damp cloth for cleaning.

Do Not attempt to disassemble or adjust this product, contact a service center for assistance.

4.3 To redial the last phone number dialed

- (1) Short press **TEL** button ,it will show last phone number on LCD, then it will execute the dialling
- (2) Short press **REDIAL** button, It will dial the last phone number.

5. Accept/Reject/End Call

5.1 Incoming call Ringing, short press  button to accept the call

5.2 To reject incoming call, long press  button to reject the call

5.3 During a phone call, long press  button to end the call

Note: When a incoming call is present the caller's phone number will be displayed on the screen.

6. Dialing or receiving call when the unit is in standby (while your phone is paired)
When the Stereo is in sleep mode (Acc on and standby), to execute a dialling (with mobile phone) or receiving a call, the car audio will temporarily wake up.

7. To play an audio file from an external Bluetooth device(mobile phone) on the wall mount Stereo

After the device has been paired successfully and Wall mount Stereo screen displays LINK OK.

If your mobile device supports A2DP you will then be able to stream music from your Bluetooth device so it can be played by stereo speaker.

You must select on your mobile Bluetooth device to play the audio through Bluetooth. If your mobile device supports AVRCP then you will be able to control the basic phone audio output functions by the Wall mount Stereo controls. Eg.Play Pause.

8. To setup your Stereo using NFC(only support mobile phone with NFC function)

- (1) Turn on the NFC function of your mobile phone and make sure the screen is active and unlocked.
- (2) With the NFC detection area of your phone touch with the NFC detection area of the Stereo, you can connect or disconnect your mobile phone with the Stereo conveniently.

Note: For the first time pair and connect, it maybe ask you to input a password.
The password is "0000".

6. BLUETOOTH HANDFREE SYSTEM

1. Pairing and connection

- 1) Turn on the Bluetooth mode of the mobile phone;
- 2) Select the item of Finding the Bluetooth Device and enter it. After finishing the searching, it will show the name of the Bluetooth Device **FURRION DV1220-XXXX** (where X can be any character A-Z or number 0-9). Select it and enter it, (for some phones it will ask you to input a password, input the password 0000 and enter it. Then it will tell you pair OK.
- 3) For some mobile phones, they can automatically connect with the BT device of the car audio system after pairing is ok; for some mobile phones, they need to select the paired BT device and press the CONNECTION button. When connection is ok, the LCD of the car audio system will show LINK OK.

2. Use the mobile phone to do connection or disconnection

In the connection status, find the paired and connected Bluetooth Device, then press the disconnection button to do disconnection.

In the disconnection status, find the paired and disconnected Bluetooth Device, then press the connection button to do connection.

3. In the connection status: Mobile phone transfers to the car audio whenever a dialling takes place; Mobile phone transfers to the car audio whenever receiving a call.

4. Dialing when in connection status

4.1 Dial with the mobile phone directly.

4.2 Dial with remote control with the following procedures:

- (1) Input telephone number with number buttons 0-9
 - * Short press **CLEAR** button to cancel the wrongly input number if necessary
- (2) Short press **TEL** to execute the dialing.

1.3 Maintenance and Cleaning of Discs

Disc Maintenance

1. To keep the disc clean, handle the disc by its edge, do not touch the disc surface of the play side.
2. Do not stick paper or tape on the disc. If there is glue (or analog) on the disc surface, must wipe it up before using.
3. Do not expose the disc to direct sunlight, or nearby heat sources such as callduct, or leave it in a car parked in direct sunlight where there can be a considerable rise in temperature.
4. Put the disc inside disc case to keep temperature after finishing playback.

Disc Cleaning

1. Before playing, wipe the disc with a clean lint. Wipe the disc outwards from the disc center.
2. Do not use petrol, thinners, commercially available cleaners or anti-static sprays for plastic LP's to wipe discs.



1.4 Battery Information of the Remote Control

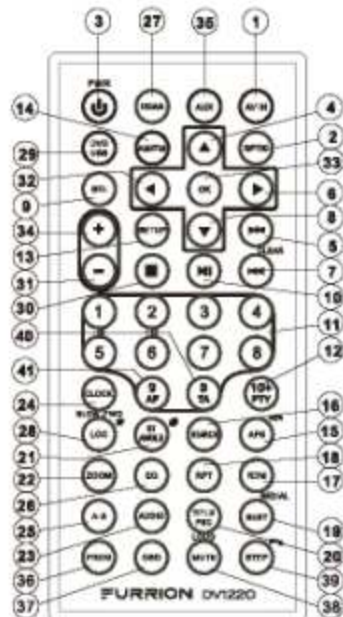
Replace Battery in the Remote Control:

1. Before using the remote control for the first time, pull the insulating sheet out of the remote control as the direction indicated by the arrow. (see fig. 1)
2. Press the movable block hold as the direction indicated by the A arrow (See fig. 2), then pull the battery holder out of the remote control as the direction indicated by the B arrow (see fig. 2).
3. Replace the old battery by a new battery with (+) polarity side upward. (See fig. 3).
4. Insert the battery holder to the original position in remote control. (See fig. 3).

Note about the Battery of the Remote Control:

1. Improper use of battery may cause overheating or explosion. So that Result in injury or fire.
2. Battery leakage may cause damage to the remote control (Battery Life: 6 months with normal use in normal room temperature).
3. Do not short the battery.
4. Do not throw the battery into the fire.
5. To avoid the risk of accident, keep the battery out of reach of children.

1.5 The Remote Control Description



16. SEARCH BUTTON
17. RDM BUTTON
18. RPT BUTTON
19. SUBTITLE/REDIAL BUTTON
20. TITLE/PBC BUTTON
21. ST/ANGEL/# BUTTON
22. ZOOM BUTTON
23. AUDIO BUTTON
24. CLOCK BUTTON
25. A-B BUTTON
26. EQ BUTTON
27. COAXIAL BUTTON
28. LOC/SLOW-FWD/* BUTTON

1. AV IN BUTTON
2. OPTICAL BUTTON
3. POWER BUTTON
4. * BUTTON
5. >>| BUTTON
6. > BUTTON
7. |<</CLEAR BUTTON
8. v BUTTON
9. SEL BUTTON
10. PLAY/PAUSE BUTTON
11. NUMBER(0-10,+10,-10) BUTTONS
12. 10+PTY BUTTON
13. SETUP BUTTON
14. AM/FM BUTTON
15. APS/Hang Up BUTTON
29. DVD/USB MODE BUTTON
30. STOP BUTTON
31. VOLUME- BUTTON
32. < BUTTON
33. OK BUTTON
34. VOLUME+ BUTTON
35. AUX MODE BUTTON
36. PROG BUTTON
37. OSD BUTTON
38. MUTE/LOUD BUTTON
39. STEP /TEL BUTTON
40. TA BUTTON
41. AF BUTTON

5.19 The Region Code

- Q: No DVD playback. Screen displays REGION ERROR after inserting disc into disc compartment. Why ?
- A: Because the DVD player and disc have different region codes. If they do not match, the DVD player cannot play the disc.

Appendix: The region code of DVD:

The Motion Picture Association of America (MPAA) divided the world into 6 regions, and named every region a code, namely region code. The region codes and the countries or areas represented by the region codes are as follows:

- Region 1: America, Canada, East-Pacific Inlands;
 Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
 Region 3: South-east Asian countries include Taiwan, Hong Kong, South Korea, Thailand, Indonesia, etc.;
 Region 4: Australia, New Zealand, Central South America, South Pacific Inlands;
 Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North Korea, North Africa, North-west Asia etc.;
 Region 6: China mainland.

Supported Video Format					
File Extension	Container	Video Codec	Audio Codec	Resolution	Remark
.avi .divx	AVI	MPEG-4 Visual DivX 4.x/5.x/6.x/DivX XviD MPEG-1	Dolby Digital (AC3) WMA/PCM/LPCM AAC-LC (2ch) MPEG-Audio (MP1/MP2/MP3)	720 x 480 (30fps) 720 x 576 (30fps)	
.mpeg	MPG	MPEG-1/MPEG-2	Dolby Digital (AC3) LPCM MPEG-Audio (MP1/MP2/MP3)	720 x 480 (30fps) 720 x 576 (30fps)	
.dat	DAT	MPEG-1/MPEG-2	Dolby Digital (AC3) LPCM MPEG-Audio (MP1/MP2/MP3)	720 x 480 (30fps) 720 x 576 (30fps)	
.vob	VOB	MPEG-1/MPEG-2	Dolby Digital (AC3)	720 x 480 (30fps) 720 x 576 (30fps)	
.mp4	MP4	MPEG-4 Visual	Dolby Digital (AC3) WMA/PCM AAC-LC (2ch) MPEG-Audio (MP1/MP2/MP3)	720 x 480 (30fps) 720 x 576 (30fps)	
Supported Audio Format					
File Extension	Audio Codec	Bit Rate	Sampling Rate	Remark	
.mp3	MP3	16kbps - 320kbps	44.1kHz		
.wma	WMA	16kbps - 320kbps	44.1kHz	WMA only support WMA7/WMA8/WMA9 (CBR/VBR) (only support 353 format)	

Note: Reading the above file formats is not guaranteed.

5.18 The Parental Control

Q:After inserting DVD disc into disc compartment, a dialogue window will appear asking for a password of 4 digits. Why ?

A:This is because that the disc movie you are playing was rated with the Parental Control, and the current rating level of DVD player is lower than one of current disc. You must input right password and enter it to entry Parental Control setup menu and then set a equal or higher rating level than one of current disc. So that you can playback the disc.

I NOTE

- * If you have not changed the password, the factory preset password for the DVD player will be empty. So that you should input a desired password and input it again to verify it to enter the Parental Control setup menu.
- * For the rating level setup of Parental Control of the DVD player, please refer to the relative content of SYSTEM SETUP menu for details.

Accessories: Parental Control

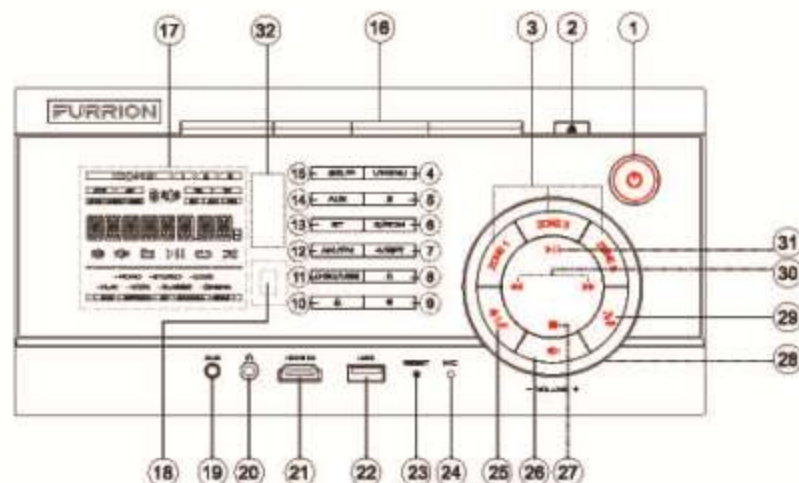
The Parental Control function of a DVD player can control the playback of movie rated level in a disc. Can set the DVD player(include software player in PC) to be a certain rating level with SETUP MENU on TV screen.If the rating level set in the disc is higher than one set in the DVD player, the DVD player can not playback the disc. Sometimes the Parental Control sequences in some discs are different from each other. The rating level setup can be protected by the password. Therein, if you select Unlock Item, the Parental Control function will be invalid, the content of disc will be played totally.

The disc movie can be designed as that the DVD player will playback the different version of content of a same movie according to the different rating level set by Parental Control. Depend on the DVD feature of seamless switching described above, the scenes that are not fitting for children will be cleared or replaced by the other fitting scene automatically.

All rating levels of Parental Control are as follows:

- | | |
|---|----------|
| | Unlock |
| 1 | Kid Safe |
| 2 | G |
| 3 | PG |
| 4 | PG 13 |
| 5 | PG R |
| 6 | R |
| 7 | NC 17 |
| 8 | Adult |

1.8 Locations and Names of the Controls



1. POWER BUTTON
2. EJECT BUTTON
3. ZONE 1/ZONE 2/ZONE 3 BUTTON
4. 1/MENU BUTTON
5. 2 BUTTON
6. 3/RDM BUTTON
7. 4/RPT BUTTON
8. 5 BUTTON
9. 6 BUTTON
10. ALARM ON OFF/CLOCK SET BUTTON
11. DISC/USB BUTTON
12. AM/FM BUTTON
13. BT BUTTON
14. AUX BUTTON
15. SEL/EQ BUTTON

16. DISC SLOT
17. LCD DISPLAY
18. IR REMOTE CONTROL SENSOR
19. AUX SOCKET
20. HEADPHONE SOCKET
21. HDMI IN SOCKET
22. USB SOCKET
23. RESET BUTTON
24. MICROPHONE
25. DIMMER* BUTTON
26. MUTE BUTTON
27. STOP/AP/PS BUTTON
28. VOL KNOB
29. TEL/HANG UP BUTTON
30. UP/DOWN BUTTON
31. PLAY/PAUSE BUTTON
32. NFC DETECTION AREA

QUICK REFERENCE GUIDE

General Operation

Power On/Off STANDBY	Press POWER to turn the unit on or enter standby mode. Long press POWER to turn the unit off.
Mute	Press MUTE to silence the audio. The icon  will flash in the display. Press MUTE again to cancel.
Selecting a Source	Press DISC/USB,AM/FM, AUX, BT to select between Disc (after inserting a disc),USB(After inserting a USB storage),Tuner, AUX and Bluetooth.
Volume Adjust	Rotating VOL KNOB to adjust volume.
Audio Adjustment	Briefly press SEL/EQ to select between VOL,BAS(without EQ preset),TRE(without EQ preset),BAL,LOUD ON/OFF, LOC ON/OFF,ST ON/OFF,BEEP ON/OFF,SUB ON/OFF. Rotate it to select audio feature.
Preset EQ Curves	Press and hold SEL/EQ to select between CINEMA,ROCK, CLASSIC,FLAT,EQ OFF
CLOCK SET	Press and hold  to enter CLOCK Setup mode, rotate VOL KNOB to adjust the hour/minute number. Use the ◀ and ▶ to change the HOUR or MINUTE position. Once time is set, the unit will automatically set after a few seconds.
ALARM ON/ OFF	Press  to turn on or cancel the alarm setting. When alarm is set on ,the icon  will display on the LCD all the time.
ALARM SET	Press and hold  repeatedly to enter ALARM CLOCK and ALARM SOURCE setting. with the same way to set the ALARM CLOCK as CLOCK SET There are two alarm sources for selection: TUNER and USB
DIMMER	Press  to dim the face illumination LOW, MIDDLE or HIGH.
SPEAKER SELECTION	Press ZONE 1,ZONE 2 or ZONE 3 to select speaker output, the corresponding zone number will display on the LCD once it is selected.
RESET	Press PRSET with a cuspidal object to make the unit be reset to factory default and re-instate the correct functions.

CONTRAST

It is for adjusting the contrast of the video output

HUE

It is for adjusting the hue of the video output.

SATURATION

It is for adjusting the saturation of the video output.

SHARPNESS

It is for adjusting the sharpness of the video output.

5.17.5 SPEAKER SETUP



DOWNMIX

It is for selecting your desired sound effect when there is no center speaker and subwoofer. There are 3 modes: LT/RT, STEREO, VSS.

LT/RT: When playing a disc with PRO LOGIC Dolby stereo effect, choose the item, so it will output audio signal with vivid theater effect.

STEREO: If you choose the item, when outputting audio signal with 5.1 channels, it will output the left and right channels of signal ; when outputting audio signal with 2 channels, it will output the common 2 channels of stereo signal.

VSS: If you choose the item, when playing a disc recorded with 5.1 channels, the main channel speakers can output audio signal with VSS effect.

5.17.6 DIGITAL SETUP



DYNAMIC RANGE

After selecting the compression mode of LINE OUT, set the item, so you can adjust the linear compression ratio. If you set it to be FULL, the Peak-to-Peak value of the audio signal is the minimum; if you set it to be OFF, the Peak-to-Peak value is the maximum.

DUAL MONO

It is for selecting a desired audio output mode for the left and right ways of signal.

It is mainly for Karaoke of Ac3. There are 4 modes in all as follows:

STEREO, MONO L, MONO R, MIX MONO.

5.17.2 LANGUAGE SETUP



OSD LANGUAGE

This item is for selecting the language of the SYSTEM MENU and all operating prompt interface displayed during playback.

AUDIO LANG

This item is for selecting an audio language.

SUBTITLE LANG

This item is for selecting a subtitle language.

MENU LANG

This item is for selecting a disc menu language.

5.17.3 AUDIO SETUP



AUDIO OUT:

For the selection of Digital output method. SPD IF/OFF, SPD IF/RAW, SPD IF/PCM.

HDMI AUDIO:

AUTO: Selected to output the audio automatically by RAW or PCM type.

PCM: Selected to output the audio by PCM type..

5.17.4 VIDEO SETUP



BRIGHTNESS

It is for adjusting the brightness of the video output.

Radio Operation

Area frequency selection	Press and hold AM/FM for 2 seconds to set AM/FM Radio region (USA1/ USA2/AUSTRALIA/EUROPE).
Manual Tuning	Press ◀ or ▶ button to move radio frequency down or up one step at a time.
Seek Tuning	Press and hold ◀ or ▶ button to search the next strongest station automatically.
Band	Press AM/FM to select between FM1, FM2, FM3, AM1, AM2
Storing and recalling Station Presets	Press and hold any one of the six preset buttons(1-6) to store the current frequency. Press the corresponding preset button to recall the frequency stored.
Automatically Store Stations	Press and hold ■ /AS/PS to automatically store the six strongest stations in the current band. (Up to 18 FM stations and 12 AM stations can be stored).
Scan Tuning	Press ■ /AS/PS to scan presets 1-6 on the current band.
LOC	Press SEL repeatedly to set the LOC ON or LOC OFF.
Stereo/Mono	In FM mode, Press SEL repeatedly to set ST ON or ST OFF.
Using PTY to select Program	Select area EUROPE, press SEL repeatedly to enter PTY MODE, then rotate the VOL KNOB to select PTY programs.
AF/TA	Select area EUROPE, press SEL repeatedly to set AF/TA ON or OFF.

Disc USB Operation

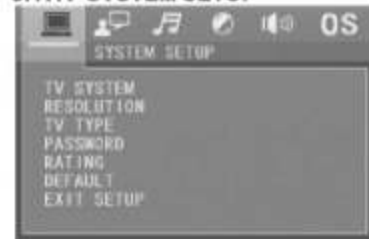
Insert Disc	With the label facing up, insert a disc into the Disc slot. The disc will automatically begin playback.
Eject CD	Press EJECT to eject the disc
Track Select	Press ▶▶ or ◀◀ button to skip to next or previous track/chapter.
Fast Forward and Backward	Press and hold ▶▶ or ◀◀ button to fast forwards or backwards.
Pause Playback	Press ▶ to temporarily stop the playback. Press ▶ again to resume playback.
Stop Playback	Press ■ once to pause the playback, press ▶ to resume; press ■ twice to stop playback, then press ▶ to start playback from the beginning of the first chapter/track.
Repeat	Press RPT to switch among RPT ONE/RPT DIR/RPT ALL /RPT OFF MODE
Random	Press RDM to play each track in random order. Press RDM again to resume.
Title	In DVD/VCD mode, press TITLE on the remote control to display the title list.

BLUETOOTH OPERATION

Dial or accept call	Press 📞 to accept, dial or redial a call.
Reject or End call	Press and hold 📞 to reject or end a call.

For the DVD System Menu, there are 6 setup pages in all. They display as follows:

5.17.1 SYSTEM SETUP



TV SYSTEM

The Stereo supports output of various TV system.

If your TV has only NTSC or PAL system, the screen will blink and become colorless when a wrong TV system is selected. In this case go to TV SYSTEM and select NTSC, PAL or AUTO to match the system of your TV.

RESOLUTION

The setup is for resolution level selection.

TV TYPE

The setup item is for matching TV screen size.

4:3 PS: Choose the item when connecting a TV set with 4:3 screen. When playing the pictures with 16:9 size, the left and right parts of the video will be cut out, and display in full screen.

4:3 LB: Choose the item when connecting a TV set with 4:3 screen. When playing the pictures with 16:9 size, the top and bottom parts of the TV screen will be turned into a black square respectively.

16:9: Choose the item when connecting a TV set with 16:9 wide screen.

PASSWORD

This setup item is for locking or unlocking the rating level of the Parental Control. The defaulted state is locked. The defaulted password is 0000.

You can set a new password that you like: Select the PASSWORD item and then press the > button to enter it, then input the original password 0000, and then press the OK button to unlock it. Press the > button to enter it again, then input a new password that you like and then press the OK button to make it effective. Before the other persons see the Manual, you should get the password in mind and cut out the part of PASSWORD in the Manual.

RATING

The item is for setting a new rating level of the Parental Control.

1. Select the PASSWORD item and then press the > button to enter it, then input the password mentioned above, and then press the OK button to unlock the setting of the rating level of the Parental Control.
2. Select the RATING item and then press the > button to enter it, then use the direction buttons to select your desired rating level, then press the OK button to confirm.
3. Select the PASSWORD item again and then press the > button to enter it, then input the password, and then press the OK button to lock the new setting of the rating level of the Parental Control.

DEFAULT

This item is for making all setup items change back to original status.

- During JPEG playback, press one of the direction buttons to change the angle of viewing picture that is displaying as follows:
>: 90 deg cw; <: 90deg ccw; ^: UP<-->DOWN; v: LEFT<-->RIGHT
During JPEG playback, press **PROG** button on the remote control to change the mode of refresh picture. During JPEG playback, press **STOP** button to stop playing and return to the root menu.
- During JPEG playback, the following buttons are not available: **SLOW-FWD**, **SUBT**, **TITLE/PBC**, **ANGLE**, **STEP**, **AUDIO**, **RDM** and **A-B**.
- In JPEG mode, the other operations are same as ones in MP3/WMA mode.

5.14 MP4 Operation

- The root menu is displayed on TV when beginning to switch on DISC mode, then it will automatically play the first file.
During playback, press **STOP** button to stop playing and return to the root menu.
- When displaying the root menu, press the direction buttons to select your desired FOLDER or file, then press **OK** or **PLAY/PAUSE** ►|| button to open the FOLDER, or play the selected file.
When displaying the root menu, you can also use the number buttons to select the serial number of the file and play the file.
- ANGLE**, **PROG**, **RDM**, and **TITLE/PBC** buttons are not valid.
- The other functions are same as ones in DVD disc; but the "Repeat" function is same as one in MP3/WMA.

5.15 ESP and ID3 Function

There is ESP function for all formats of discs.

In MP3/WMA mode, during playback, the information of the file name, folder name, songs title, artist and album will be scrolling on the LCD display. As long as the current playing MP3 music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on the LCD display; otherwise, they will not.

5.16 USB Operation

Power on the DVD player, then insert the USB storage, the monitor will display the root menu of the USB storage.

This device support picture(JPG format), audio(MP3 or WMA format) and Video (MP4 format), all the operations are same as ones of the corresponding format.

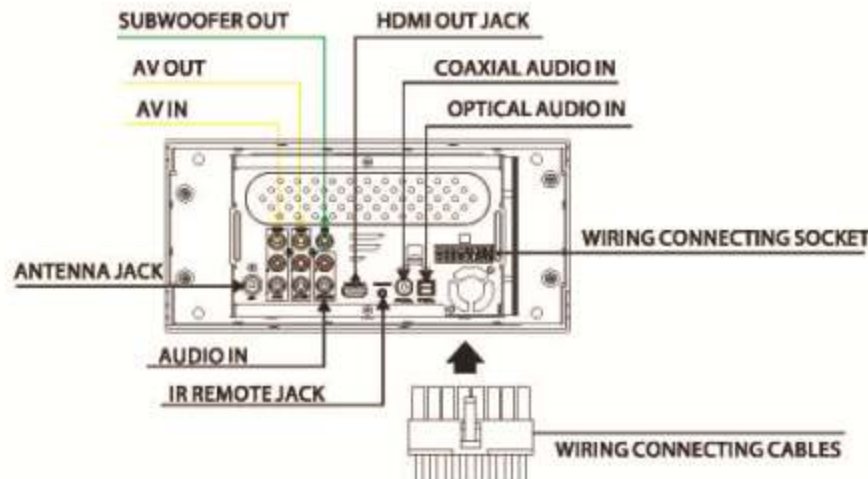
NOTE: 1. Playback file format is not guaranteed.

2. The USB Input with charging function (not all products can be charged from the unit)

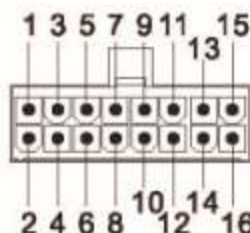
5.17 The DVD System Menu Setup Operation

- Press **SETUP** button on the remote control to access the DVD System Menu on the monitor.
- There are 6 setup pages in all for the System Menu. Press the > or < button to select a desired setup page.
- Press the ^ or v button to select a setup item in the selected setup page.
- Press the > button to enter the setup item. Then press the v or ^ button to select a desired mode of the setup item, finally press **OK** button to confirm it.
- Press the < button to return to the upper level.
- Press **SETUP** button on the remote control again or use the direction buttons to highlight the item of the **EXIT SETUP** and then press **OK** button to exit the System Menu.

1.7 Wiring Diagram



The WIRING CONNECTING SOCKET VIEW



PIN NO	COLOR	FUNCTION
1	ORANGE/BLACK	ZONE3 RIGHT SPEAKER (-)
2	ORANGE	ZONE3 RIGHT SPEAKER (+)
3	BROWN/BLACK	ZONE3 LEFT SPEAKER (-)
4	BROWN	ZONE3 LEFT SPEAKER (+)
5	GREY	ZONE1 RIGHT SPEAKER (+)
6	GREY/BLACK	ZONE1 RIGHT SPEAKER (-)
7	WHITE	ZONE1 LEFT SPEAKER (+)
8	WHITE/BLACK	ZONE1 LEFT SPEAKER (-)
9	GREEN/BLACK	ZONE2 LEFT SPEAKER (-)
10	GREEN	ZONE2 LEFT SPEAKER (+)
11	PURPLE/BLACK	ZONE2 RIGHT SPEAKER (-)
12	PURPLE	ZONE2 RIGHT SPEAKER (+)
13	BLUE	AUTO ANTENNA
14	NONE	
15	RED	POWER+12VDC
16	BLACK	GROUND

The description of WIRING CONNECTING CABLES



5.12 Program Playback

It allows you to enter the order in which you want some chapters/tracks in DVD/VCD/MP3/WMA/CD disc to play.

- During playback, press **PROG** button on the remote control to enter a program interface as follows:

For DVD discs



For VCD/MP3/WMA/CD discs



- Use the direction buttons to move cursor onto the desired place for inputting the sequence number.
- Use the number button to input desired sequence number of title/chapter/track with desired sequence.
- Use the direction button to move cursor onto **PLAY**, then press **OK** button on the remote control to play the programmed titles/chapters/tracks in programmed order; only pressing **PLAY/PAUSE** button also can play the programmed titles/chapters/tracks in programmed order.
- To exit program playback, firstly press **STOP** button, then press **PLAY/PAUSE** button to enter sequence playback; or press **PROG** button twice again.
- To remove the all programmed sequence numbers, move the cursor onto **CLEAR**, then press **OK** button on the remote control.
- To change the programmed sequence, move the cursor onto the item you want to change, input the desired sequence number.
- During VCD playback, if it is in PBC ON mode, at the same time of entering the state of program playback, it turns off PBC mode.

5.13 Playback the Picture CD in JPEG Format

- The root menu is displayed on the monitor when beginning to switch on DISC mode. At the time, it plays MP3/WMA file. (TITLE or PBC button is not available).
In the root menu, the left file sort icon is for MP3/WMA file; the middle file sort icon is for VIDEO file; the right file sort icon is for JPEG file. If one of these 3 file sort does not exist, you can not move cursor onto the file sort icon.
- When displaying the root menu, press the direction buttons to select your desired FOLDER, file or file sort icon, then press **OK** or **PLAY/PAUSE** button to open the FOLDER, or play the selected file, or play only this sort of file. When displaying the root menu, you can also use the number buttons to select the serial number of the file and play the file.
When you select a JPEG file sort icon, press one of the direction buttons to select the first JPEG file, then press the **v** button to select the desired JPEG file, finally press **OK** or **PLAY/PAUSE** button to display the JPEG picture in full screen from the selected JPEG picture.

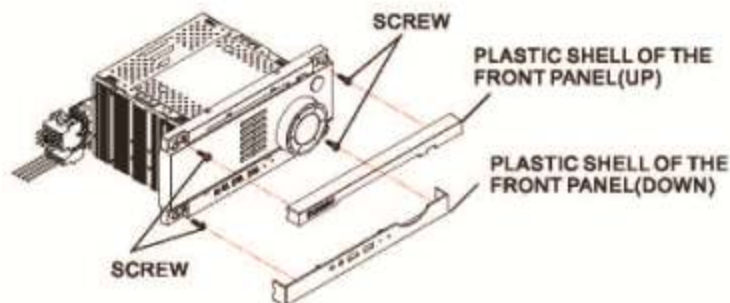
1.8 Mounting Installation

Location

- * Choose a mounting location away from humid areas, water sources, appliances or any equipment that can radiate heat.
- * Select an area on a wall or cabinet which is free from cable, fuel or brake lines and ensure the area behind the wall mount stereo has a vent hole or if it is an enclosed box and has adequate room around the rear of the unit for cooling.
- * Ensure when the stereo is mounted in the cut out that the wires at the rear of the unit are not pressed against the heat sink.

Installing the unit

- * Before finally installing the unit, connect the wires temporarily and make sure the unit and the system work properly.
- * Fix the unit with screws according to following diagram.



1. Remove plastic shell of the front panels from the unit.
2. Fix the unit with 4 pieces #8 pan head self tapping screws.
3. Put back plastic shell of the front panel to the unit.

5.5 Playback from a specified chapter/track or a specified time

1. When playing DVD discs, press **SEARCH** button on the remote control to display an interface and highlight the title item, then use the number buttons to input the serial number of the title; use the direction buttons to highlight the chapter item, then use the number buttons to input the serial number of the chapter; finally press **OK** or **PLAY/PAUSE** button to play the selected chapter.
2. When playing VCD/MP3/WMA/CD discs, press **SEARCH** button on the remote control to display an interface and highlight the track item, then use the number buttons to input the serial number of the track; finally press **OK** or **PLAY/PAUSE** button to play the selected track.

5.6 Playback in Random

When playing DVD/VCD(PBC OFF)/MP3/WMA/CD discs, press **RDM** button to switch between RANDOM ON /RANDOM OFF. When in RANDOM ON mode, it will play in random.

5.7 Playback in Different Angle

1. When playing VCD/MP3/WMA/CD discs, **ANGLE** button on the remote control is not available.
2. When playing DVD discs, press **ANGLE** button on the remote control repeatedly to view in different angle. (This function is only for the DVD discs with ANGLE function)

5.8 Playback in Zoom Mode

In DVD/VCD mode, during playback, press **ZOOM** button on the remote control repeatedly to enlarge a certain area of the images on the screen with these multiples:

During slow forward, press **PLAY/PAUSE** ►|| button to resume normal playback.

The function is only for video.

5.3. Playback with still frame

If the unit is currently running DVD/VCD disc, press **STEP** button on the remote control consecutively to display the still frame forward with step by step. Press **PLAY/PAUSE** ►|| button to resume normal playback.

5.4 Playback Repeatedly

5.4.1 ONE/ALL Repeat

1. In the mode of DVD disc playback:
Press **RPT** button to select REP CHAPTER, REP TITLE, REP ALL or REP OFF.

2. In the mode of VCD(PBC OFF)/CD disc playback:
press **RPT** button to select REP ONE, REP ALL or OFF.

When it is in the state of PBC ON, during VCD disc playing, the **RPT** button is not available.

3. In the mode of MP3/WMA disc playback:
Press **RPT** button to select REP ONE, REP DIR, REP ALL or OFF.

5.4.2 A-B Repeat

Press **A-B** button on the remote control if you want to repeat a specific segment on a disc that you define:

1. Press **A-B** button at a point (A) where you want it to be the start point of the repeat segment. Press **A-B** button again at a point (B) where you want it to be the terminal point of the repeat segment. Then it will play the segment repeatedly.
2. To cancel A-B repeat mode and resume normal playback, press **A-B** button for the third time.

Note:
During DVD/VCD/MP3/WMA/CD playback, points A and B must be within the same track.

2. Common Operation

1. Turning On and Off the unit

By pressing the **POWER** button will turn on or enter standby mode.

2. Selecting a Source:

DISC / USB - once a DVD or USB is inserted into the unit, the unit will automatically switch to display this source menu. Press this function button to select DISC if a disk is already installed and the unit is playing from another source.

AM/FM - by pressing this button will scroll through the FM1, FM2, FM3, AM1, AM2, By pressing and hold this button repeatedly to select receive area:

USA1, USA2, AUSTRALIA, EUROPE

BT - by pressing this button will enable bluetooth connection.

AUX - this button allows you to scroll through the AUX inputs fitted to the stereo:

F AUX - connection on front of unit to connect an external audio source

R AUX - connection on the rear of the unit, (normally used to connect TV sound input)

AV - connection on the rear of the unit to connect a external audio source

HDMI - connection is on the front of the unit

COAXIAL - connection is on the rear of the stereo

OPTICAL - connection is on the rear of the unit

ARC - connection a TV with Audio Return Channel function to the HDMI Output Jack on the rear of the unit. (Make sure the ARC function of the TV is ON)

*For details on settings and operating your TV, refer to the instruction manual for the TV.

*About Audio Return Channel (ARC)

ARC allows audio signals to travel both ways under HDMI Control. If you connect a TV that supports HDMI Control and ARC to the unit with a single HDMI cable, you can output video/audio to the TV or input TV audio to the unit.

In case noises are produced from the speakers connected to the unit because TV audio signals input to the unit via ARC are not supported by the unit, use the TV's speakers.

3. Volume Adjust

Rotate the **VOL knob** clockwise to increase volume, rotate anticlockwise to decrease volume.

4. Mute

Press **MUTE** button to mute what ever source is playing and display mute on the screen. Press the **MUTE** button again to resume.

5. Clock and Alarm Set

1) To display the clock on the LCD display, press Clock button on the remote control. In standby mode, the **CLOCK** time display on the LCD all the time.

2) To Adjust or set the clock, Press and hold  to enter **CLOCK Setup** mode, rotate **VOL KNOB** to adjust the hour/minute number. Use the  and  to change the HOUR or MINUTE position. Once time is set, the unit will automatically set after a few seconds.

3) Press  to turn on or off the alarm setting. When alarm is set on, the icon  will display on the LCD all the time.

4) Press and hold  repeatedly to enter **ALARM CLOCK** and **ALARM SOURCE** setting. with the same way to set the **ALARM CLOCK** as **CLOCK SET**.

There are two alarm sources for selection: **TUNER** and **USB**

6. To select a preset EQ mode
Press and hold **SEL/EQ** button to select the preset music equalizer curves: CINEMA, ROCK, CLASSIC, FLAT, EQ OFF.
7. To turn on/off LOUD mode
Briefly and repeatedly Press **SEL/EQ** button on the front panel to select LOUD ON/ LOUD OFF mode.
8. To adjust the sound equalizer curves
To adjust the sound equalizer curves, briefly and repeatedly press the **SEL/EQ** button to select the sound equalizer curves of VOL, BAS(without preset EQ), TRE (without preset EQ), BAL, LOUD ON/OFF, LOC ON/OFF, ST ON/OFF, BEEP ON/OFF, SUB ON/OFF. Rotate **VOL Knob** to select audio feature.
9. ZONE 1/ZONE 2/ZONE 3 BUTTON
Pressing ZONE 1/ZONE 2/ZONE 3 buttons will turn on or off the audio source in each of the different areas which your speakers are connected, the corresponding zone number will display on the LCD once it is selected.
10. To reset the unit
when the display is incorrect, or the function buttons are not effective or sound is distorted, then use a sharp point to press the **RESET** button, that will make the unit be reset to factory default and re-instate the correct functions.

In VCD mode

1. When starting to turn on the PBC function, it will play from the beginning of the disc till it display the PBC menu on TV screen if the disc include the PBC menu.
2. Press the number buttons to select your desired track to play.

In MP3/WMA mode

1. The root menu is displayed on the monitor screen all the time (and the **TITLE/PBC** button is not available).
2. Press the direction buttons to select your desired FOLDER, then press **OK** or **PLAY/PAUSE** ►|| button to open the FOLDER, and then press the direction buttons to select your desired file, finally press **OK** button to play the selected file.

In CD mode, the **TITLE/PBC** button is disabled.

4.7 Terminate the Playback

1. Press **EJECT** button to eject disc.
2. Press and hold **POWER** button on the front panel or briefly press **POWER** button on the remote control to turn off the Stereo.

5. Advanced Disc. USB Operation

5.1 Playback with Speed

During normal playback, Press and hold ◀◀ or ▶▶ button on the front panel repeatedly or press and hold ◀◀ / ▶▶ button on the remote control repeatedly to fast backwards or forwards at the following speeds: x2, x4, x8, x20, normal.

During speed playback, press **PLAY/PAUSE** ►|| button to resume normal playback.

5.2 Playback with Slow Speed

During playback, press **SLOW_FWD** button on the remote control to execute the Slow Forward function.

With each consecutive pressing of **SLOW_FWD** button, the playback speed decreases. The speed levels in Slow Forward as follows: x1/2, x1/3, x1/4, x1/5, x1/6, 1/7, normal.

4.2 Pause Playback

When playing DVD/VCD/CD/MP4/MP3/WMA discs, press **PLAY/PAUSE** ►|| button on the front panel or remote control to pause the playback, press **PLAY/PAUSE** ►|| button again to resume normal playback.

4.3 Stop Playback

When playing DVD/VCD/MP3/WMA/CD discs, press **STOP** button once to pause the playback, then press the **PLAY** button to resume the normal playback; press **STOP** button twice to stop the playback, then press **PLAY/PAUSE** ►|| button to start playback from the beginning of the first chapter/track.

4.4 Select Chapter/Track with the ◀◀ or ▶▶ button or ◀◀/▶▶ Button

Press ◀◀ or ▶▶ button on the front panel or ◀◀/▶▶ Button on the remote control during playback to select the previous or next chapter/track to playback.

Note: Press ◀◀ or ▶▶ button or press ◀◀/▶▶ Button multiple times to advance multiple chapters/tracks backward or forward.

4.5 Select Chapter/Track with the Number Buttons

When playing DVD/VCD(PBC OFF)/MP3/WMA/CD discs, press one of the 1~9 and the 0 number buttons to directly select and play the 1st to 9th track / chapter.

If you want to play the track/chapter with serial number bigger than 9, use the 10+, 1~9 and 0 button. For example 1, to play the 13th track / chapter, firstly press the 10+ button once, then press the 3 button. For example 2, to play the 34th track/chapter, firstly press the 10+ button for 3 times, then press the 4 button.

Note: pressing the 5 or 6 button will allow you to move up or down 10 tracks at a time(only for MP3/WMA).

4.6 Select Chapter/Track with the Root/PBC Menu (If the disc includes the root/PBC menu)

When playing DVD discs:

1. Press **TITLE** button on the remote control to display the title list.
 2. Press the direction buttons to select your desired title, and then press **OK** or **PLAY/PAUSE** ►|| button to open the root menu of the selected title.
 3. Press the direction buttons to select your desired chapter, finally press the **OK** or **PLAY/PAUSE** ►|| button to play the selected chapter.
- During playback, pressing **1/MENU** button on the front panel or long press **TITLE** on the remote control can directly display the root menu of the title that is playing.

3. Radio Operation

1. FREQUENCY SELECT

In RADIO mode. Press and hold the **AM/FM** button to select your desired frequency USA1/USA2 /AUSTRALIA/EUROPE.

2. AM/FM BUTTON

In RADIO mode, press the **AM/FM** button on the remote control or **AM/FM** button on the front panel to select your desired radio band of FM1, FM2, FM3, AM1, AM2, and the selected band will be displayed on the small monitor of the front panel.

3. TUNE/SEEK UP/DOWN

- 1) Press and hold ◀◀ or ▶▶ button on the front panel or press and hold ◀◀/▶▶ button on the remote control to automatically search down/up for a available station from the current frequency.
- 2) Press ◀◀ or ▶▶ button on the front panel or press ◀◀/▶▶ button on the remote control to manually search up or down with step by step for your desired station from the current frequency.

4. ■ AS/PS BUTTON

In RADIO mode:

- 1) When pressing and holding the ■ **AS/PS** button on the front panel or **APS** button on the remote control, the radio searches from the lowest frequency and checks the signal strength level until 1 cycle search is finished. And then the 6 strongest stations are preset to the corresponding preset number memory bank. The AS operation is implemented in each bank of the selected band. When the AS operation is finished, it will resume broadcasting on the M1. (It can store 3x6 stations for FM and 2x6 stations for AM in all)
 - 2) When briefly pressing the ■ **AS/PS** button on the front panel or **APS** button on the remote control, the radio searches for each preset station from the M1. When the field strength level is more than the threshold level of the stop level, the radio holds at that preset number for a few seconds with releasing mute, and then searches again. After finishing a circle of searching, it will stop searching on the M1.
- NOTE: In FM band, FM1, FM2, FM3 is checked once at a time.
In AM band, AM1, AM2 is checked once at a time.

5. PRESET STATION [1-6] BUTTONS

In RADIO mode:

- 1) To memorize the current frequency on the current band, press and hold any one of the six preset buttons [1-6].
- 2) To recall the preset memory on the current band, press one of the preset buttons [1-6].

6. STEREO/MONO FUNCTION

Repeatedly press **SEL/EQ** button to select ST ON or ST OFF mode in FM mode.

7. LOC ON/LOC OFF function

- 1) In RADIO mode, when the signals of the distance radio stations are very weak and the receiving effect is bad during tuning, repeatedly press **SEL/EQ** button to select LOC OFF mode, then tune again for the distance radio station.
- 2) In RADIO mode, when the signals from the local radio stations are too strong, this could lead to interference. Repeatedly press **SEL/EQ** button to select LOC ON mode. Re-tune the local station required.

8. PTY (PROGRAM TYPE) BUTTON

Select area EUROPE, Press **SEL/EQ** button on the front panel or press the PTY button on remote shortly to select PTY mode.

When PTY group is on, press the 6 number buttons on the remote control or rotate the **VOL Knob** on the front panel to select one of PTY programs:

NEWS<->AFFAIRS<->INFO<->SPORT<->EDUCATE<->
 DRAMA<->CULTURE<->SCIENCE<->VARIED<->WEATHER<->
 FINANCE<->CHILDREN<->SOCIAL<->RELIGION<->PHONE IN<->
 TRAVEL<->LEISURE<->DOCUMENT<->PTY NONE<->POP M<->
 ROCK M<->EASY M<->LIGHT M<->CLASSICS<->OTHER M<->
 JAZZ<->COUNTRY<->NATION M<->OLDIES<->FOLK M<->

After selecting one of the PTY programs, it will display SEEK PTY and automatically search for the station of the PTY program. If the station of the PTY program does not exist, it will display PTY NONE and then return back to the normal station.

9. AF [ALTERNATIVE FREQUENCIES] FUNCTION

Repeatedly press **SEL/EQ** button on the front panel or press the **AF** button on the remot control to select AF ON/ AF OFF mode, the state of the AF switching mode is displayed by AF segment.

Segment off: AF switching mode off.

Segment on: AF switching mode on, and has RDS information.

Segment flashing: AF switching mode on, but RDS information is not received yet.

When the AF switching mode is selected, the radio checks the signal strength of the AF all the time. The interval of checking time of each AFs depends on the signal strength of the current station, from a few minute for the strong station to a few seconds for the weak station. Every time that a new AF is stronger than the current station, it switches over to that frequency for very short time, and the NEW FREQUENCY is displayed for 1-2 second. Because the mute time of the AF switching or the checking time is very short, it is almost inaudible in case of normal program. (When AF flash on LCD, it will search for the stronger RDS station. If AF and TP flash on LCD, it can only search for the traffic announcement station).

In FM mode, when AF is on, SEEK, (SCAN), AUTO-MEMORY function can only receive and save the RDS program.

10. TA [TRAFFIC ANNOUNCEMENT] FUNCTION

Repeatedly press **SEL/EQ** button on the front panel or press the **TA** button on the remot control to select TA ON/ TA OFF mode.

When traffic announcement is transmitted:

- 1). If the unit is in Disc Play mode, it will switch to radio mode temporarily.
- 2). Temporarily switch over to an EON linked station when EON detects a traffic announcement on that other program, and TA, TP will be displayed on LCD

* TA interruption function:

The current traffic announcement is cancelled by pressing TA button shortly.

- * When TA is on, SEEK, (SCAN), AUTO MEMORY function can be received or saved only when traffic program identification code has been received.

4. Basic Disc, USB Operation

4.1 Begin playback

1. Press the **POWER** button briefly to turn on the DVD player.

After turning on the DVD player, please turn on the monitor, and ensure that the video output of the monitor is the video input from the DVD player connected with the monitor.

? Common Question

Q: No displays on TV screen when the DVD player is turned on. How to solve the problem?

A: Ensure that the TV was set to right video input(not TV channel); for example, if you make VIDEO1 INPUT of TV and DVD player connected with each other, then you need set TV to VIDEO1.

2. Insert a disc into the DISC SLOT(with labelled side facing up).

! NOTE

1. For some discs that are seriously scratched or poor manufacturing or recording quality, it may not play.

2. If the player can not read disc under normal condition, please try to eject and reload the disc again.

3. Remark:

1) In addition to normal CD and DVD, this unit supports to play CD-R, CD-R/W, DVD-R and DVD-R/W as well; however, depending on the conditions of the recording equipment, recording program or the disc itself, some CD-R, CD-R/W, DVD-R or DVD-R/W may not play.

2) When dealing with CD-R, CD-R/W, DVD-R or DVD-R/W recording, too high recording speed may result in poor signal quality and therefore, it is recommendable to select as lower as possible recording speed.