DO NOT PRINT THIS PAGE

Printing Notes:

Material: 80 GSM Bond Paper or 50# Bond Paper White
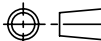**Ink:** Black
Resolution: 150 DPI or above
Printing method: Offset Printing
Binding: Saddle Stitch
Folded size: 210 x 148 mm (H x W)

METRIC [INCH]						
METRIC [INCH]						
CRITICAL DIMENSION CHECKING IS COMPULSORY						

VOLUME	cm³	1.0	26-Jun-18	update to Furrion format	IvanYang	XX
MASS	grams	REV.	DATE	MODIFICATIONS	NAME	ECN NO.
DENSITY	g/cm³	MATERIAL: SEE NOTES		*The Furrion Company, Inc.*		
GENERAL TOLERANCES EXCEPT AS NOTED 0 TO 6mm = ±0.1 >6 TO 30mm = ±0.2 >30 TO 80mm = ±0.3 >80 TO 180mm = ±0.4 >180mm = ±0.5 ANGULAR = ± 3°		FINISH SPEC: SEE NOTES		COMPOSITE-NO	SHEET 1 OF 1	
		SCALE: 1:1	DATE: 26-Jun-18	DRAWN BY: Ivan Yang	APPROVED BY:	REVISION: 1.0
		NAME: IM for DV1230 Entertainment System			PART NO. IM-FAV00038	

FURRION

Entertainment System DV1230

Instruction Manual

*Product picture is for reference only.

Model: DV1230

Welcome

Thank you and congratulations for purchasing the Furrion® DV1230 Entertainment System. Before operating your new product, please read these instructions carefully. This instruction manual contains information for safe use, installation and maintenance of the product. Please keep this instruction manual in a safe place for future reference. This will ensure safe use and reduce the risk of injury. Be sure to pass on this manual to new owners of this product.

The manufacturer does not accept responsibility for any damages due to not observing these instructions.

If you have any further questions regarding our products, please contact us at **support@furrion.com**

FURRION

Contents

English

FURRION

Safety Warnings

Precaution

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

⚠ WARNING

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

 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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

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

Class 1 Laser Product

Laser product symbol: Located on the rear panel of the unit, this symbol indicates this player is a class 1 laser product. Only use weak laser and no hazardous radiation outside of the unit.

**CLASS 1
LASER PRODUCT**

1. Read through this instruction manual before installation and use.
2. Do not touch the power plug with wet hands.

3. Switch off the 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 inside of the unit. Only a qualified technician should service the unit.
5. To avoid damaging the unit, do not expose the unit to direct sunlight or objects that radiate heat.
6. Do not place the unit in moist or humid conditions. Moisture will affect normal operation and damage the unit.
7. Place the unit on a flat, well-ventilated location. Please ensure the ventilation holes are not covered to avoid overheating and malfunction.
8. Clean the panel and case with a soft dry cloth only. Do not apply any kind of thinner, alcohol or sprays.
9. The apparatus should not be exposed to dripping or splashing. Do not place objects filled with liquids (such as vases) on the apparatus.

⚠ WARNING

- Do not ingest the battery contained within the remote control supplied with the unit as this battery represents a chemical burn hazard.
- This product contains a coin/button cell battery.
- If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ CAUTION

- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent battery type.
- The battery should not be exposed to excessive heat such as sunshine or fire.

**FURRION**

Before Operation

Locations and Names of the Controls
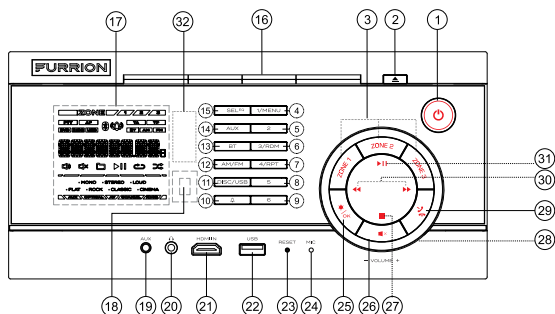
Description of icons on the LCD display

Item	Part Name
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 ALARM SET BUTTON
11	DISC/USB BUTTON
12	AM/FM BUTTON
13	BT BUTTON
14	AUX BUTTON
15	SEL/EQ BUTTON
16	DISC SLOT

Item	Part Name
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 DEFECTION AREA

Before Operation

Remote Control Description
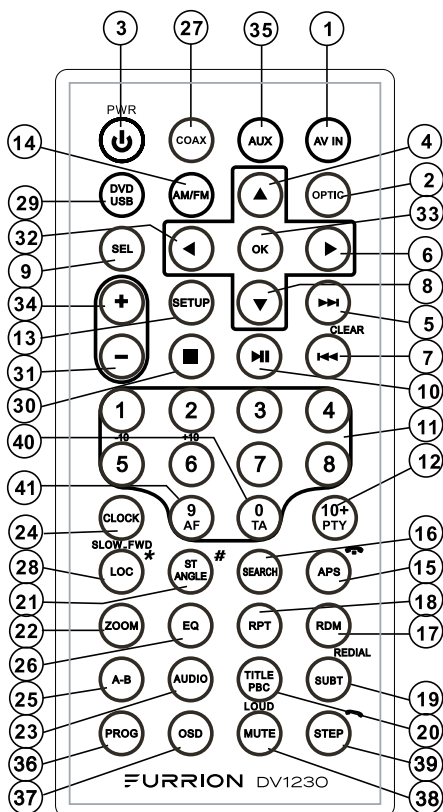
Item	Part Name
1	AV IN MODE BUTTON
2	OPTICAL BUTTON
3	POWER BUTTON
4	UP BUTTON
5	NEXT BUTTON
6	RIGHT BUTTON
7	PREVIOUS BUTTON/CLEAR BUTTON
8	DOWN BUTTON
9	SEL BUTTON
10	PLAY/PAUSE BUTTON
11	NUMBER(0-10, +10, -10) BUTTONS
12	10+/PTY BUTTON
13	SETUP BUTTON
14	AM/FM BUTTON
15	APS/HAND UP BUTTON
16	SEARCH BUTTON
17	RANDOM BUTTON
18	REPEAT BUTTON
19	SUBTITLE/ REDIAL BUTTON
20	TITLE/PBC BUTTON

Item	Part Name
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
29	DVD/USB MODE BUTTON
30	STOP BUTTON
31	VOLUME- BUTTON
32	LEFT BUTTON
33	OK BUTTON
34	VOLUME+ BUTTON
35	AUX MODE BUTTON
36	PROGRAM BUTTON
37	OSD BUTTON
38	MUTE/LOUD BUTTON
39	STEP/TEL BUTTON
40	TA BUTTON
41	AF BUTTON

FURRION

Before Operation

Wiring Diagram

SUBWOOFER OUT   HDMI OUT JACK

AV OUT   COAXIAL AUDIO IN

AV IN   OPTICAL AUDIO IN

WIRING CONNECTING SOCKET

ANTENNA JACK

AUDIO IN

IR REMOTE JACK

WIRING CONNECTING CABLES
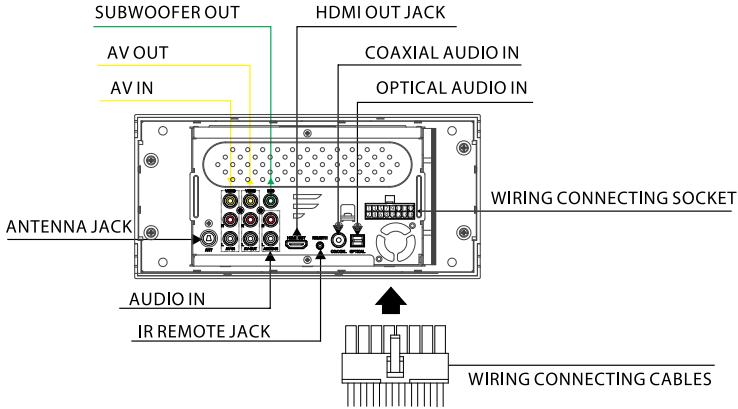
The WIRING CONNECTING SOCKET VIEW
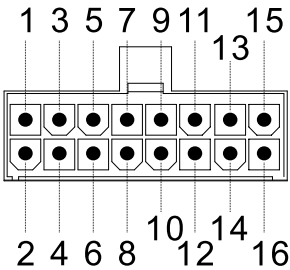
PIN NO	COLOR	FUNCTION
1	ORANGE/BLACK	ZONE3 RIGHT SPEAKER (-)
2	ORANGE	ZONE3 RIGHT SPEAKER (+)
3	BROWN/BLACK	ZONE3 LEFT SPEAKER (-)
4	BROWN	ZONE3 LEFT SPEAKER (+)
5	GREY	ZONE1 RIGHT SPEAKER (+)
6	GREY/BLACK	ZONE1 RIGHT SPEAKER (-)
7	WHITE	ZONE1 LEFT SPEAKER (+)
8	WHITE/BLACK	ZONE1 LEFT SPEAKER (-)
9	GREEN/BLACK	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

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

Before Operation

The description of WIRING CONNECTING CABLES

BLACK	16	GROUND
RED — FUSE 15A	15	MEMORY B+
	14	NC
BLUE	13	AUTO ANTENNA
PURPLE	12	ZONE2 RIGHT SPEAKER +
PURPLE/BLACK	11	ZONE2 RIGHT SPEAKER -
GREEN	10	ZONE2 LEFT SPEAKER +
GREEN/BLACK	9	ZONE2 LEFT SPEAKER -
WHITE/BLACK	8	ZONE1 LEFT SPEAKER -
WHITE	7	ZONE1 LEFT SPEAKER +
GREY/BLACK	6	ZONE1 RIGHT SPEAKER -
GREY	5	ZONE1 RIGHT SPEAKER +
BROWN	4	ZONE3 LEFT SPEAKER +
BROWN/BLACK	3	ZONE3 LEFT SPEAKER -
ORANGE	2	ZONE3 RIGHTSPEAKER +
ORANGE/BLACK	1	ZONE3 RIGHTSPEAKER -

200.0mm

FURRION

Before Operation

WIRES FROM DV,BOAT OR TRUCK

- GROUND WIRE

+12V BATTERY WIRE

AUTO ANTENNA WIRE

ZONE2 SPEAKER WIRES

ZONE2 SPEAKER WIRES

ZONE1 SPEAKER WIRES

ZONE1 SPEAKER WIRES

ZONE3 SPEAKER WIRES

ZONE3 SPEAKER WIRES

STEP 1
Connect GROUND wire to ground connection or chassis ground

STEP 2
Connect RED +12V wire to + Battery connection

STEP 3
Connect ANTENNA BLUE wire to power antenna if your mobile unit is fitted with one. If no power antenna is fitted insulate the end of the wire and do not use.

STEP 4
Connect the + Purple and - Purple/Black wires to the right speaker in Zone 2.

STEP 5
Connect the + Green and - Green/Black wires to the left speaker in Zone 2.

STEP 6
Connect the + White and - White/Black wires to the left speaker in Zone 1.

STEP 7
Connect the + Grey and - Grey/Black wires to the right speaker in Zone 1.

STEP 8
Connect the + Brown and - BROWN/Black wires to the left speaker in Zone 3.

STEP 9
Connect the + Orange and - Orange/Black wires to the right speaker in Zone 3.

- GROUND WIRE

+12V MEMORY B+ WIRE

AUTO ANTENNA WIRE

ZONE2 SPEAKER WIRES

ZONE2 SPEAKER WIRES

ZONE1 SPEAKER WIRES

ZONE1 SPEAKER WIRES

ZONE3 SPEAKER WIRES

ZONE3 SPEAKER WIRES

POWER AND SPEAKER WIRES FROM STEREO CONNECTOR

Before Operation

Mounting Installation

Location

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

Installing the unit

1. Before installing the unit, connect the wiring temporarily and make sure the unit and the system work properly.
2. Fix the unit with screws according to the following diagram.
● Remove the plastic shell from the front panels from the unit.
● Fix the unit with 4 pieces of #8 pan head self tapping screws.
● Put back plastic shell on the front panel of the unit.

SCREW

PLASTIC SHELL OF THE FRONT PANEL(UP)

PLASTIC SHELL OF THE FRONT PANEL(DOWN)

SCREW
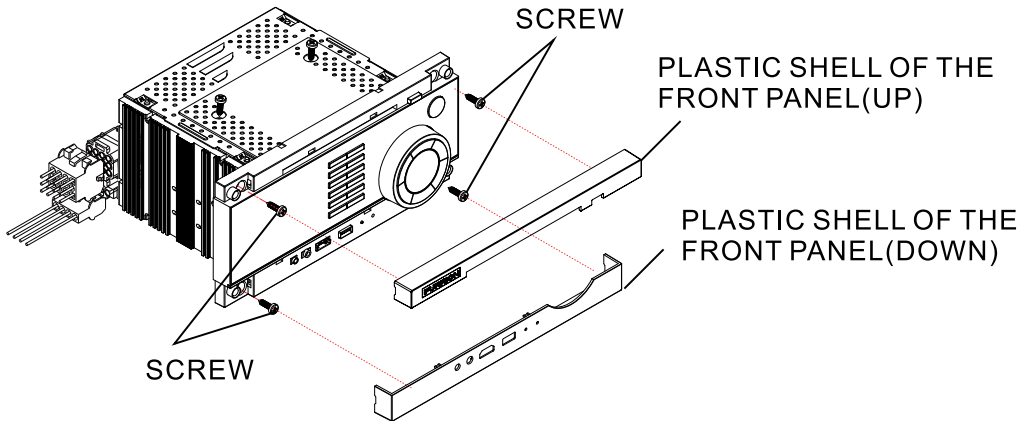
FURRION

Before Operation

What's in the box

Thanks for purchasing this Furrion DV1230 Entertainment System. This manual will help you set up and begin using your DV Player. Please read this manual thoroughly and keep this manual in a safe place for future reference.

First, check the contents of your box with the parts checklist below:
- Stereo DV1230
- Control remote
- Harness (200mm)
- Audio RCA adapter cable (1.5m)
- Hang tag
- Instruction Manual
- Warranty Card Features

Precautions

Connect this product to a 12V DC negative ground battery system which is standard in North American and European vehicles.

Ensure when installing the stereo, all wire ends which are not being used are terminated with an 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 disc loading slot of the stereo as this will cause malfunction.

Do not expose this product to moisture or wet environments. If condensation is present on 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's 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.

Features

- Digital AM / FM Tuner
- DVD/CD-R/RW/MP3/MP4/WMA Compatible
- Bluetooth with NFC function
- Auxiliary inputs on front and rear
- USB input with charging function
- 2 zone multi room audio output
- 1 x HDMI output with ARC function
- 1 x RCA audio/video output for connecting additional TV
- 1 x subwoofer output
- Clock

Before Operation

Supported Format

Supported Video Format					
File Extension	Container	Video Codec	Audio Codec	Resolution	Remark
.avi .divx	AVI	MPEG-4 Visual DivX 4.xx/5.xx/6.xx/3ivX 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)	
.mpg	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/LPCM 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	8k - 48kHz		
.wma	WMA	16kbps - 320kbps	8k - 48kHz	WMA only support WMA7/WMA8/WMA9 (CBR/VBR) (only support 353 format)	

Note: The above file formats are not guaranteed.

FURRION

Operation

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 control ◀× 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 a inserting USB), Tuner, AUX and Bluetooth.
Adjustment	Rotate **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.
Curves Preset EQ	Press and hold **SEL/EQ** to select between CINEMA, ROCK CLASSIC, FLAT, EQ OFF.
CLOCK SET	Briefly and repeatedly press **SEL/EQ** button on the front panel to enter CLOCK Setup mode, rotate VOL KNOB to adjust hour/minute number. Use the ◀◀ and ▶▶ to change the HOUR or MINUTE position. Once the 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, the icon 🔔 will display on the LCD all the time.
ALARM SET	Press and hold 🔔 repeatedly to enter ALARM CLOCK and ALARM SOURCE setting. Use the same method 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 to LOW, MIDDLE or HIGH.
SPEAKER SELECTION	Press and hold **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 **RESET** to reset to factory default and re-instate the correct functions.

Operation

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 for 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 ■/**APS** 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 ■/**APS** 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.

FURRION

Operation

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 previous or next track/chapter.
Fast Forward and Backward	Press and hold ▶▶ or ◀◀ button to fast forward 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 ☎ to reject or end a call.

Operation

Common Operation

1. Turning the Unit On and Off

Pressing the **POWER** button will turn on the unit or cause the unit to 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 disc is already installed and the unit is playing from another source.
AM/FM - Press this button to scroll through FM1, FM2, FM3, AM1, AM2.
Press and hold this button repeatedly to select receive area: USA1, USA2, AUSTRALIA, EUROPE.
BT - Press this button to 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 an 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- connect 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 counterclockwise to decrease volume.

4. Mute

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

5. To display and set the Clock

1. To display the clock on the LCD display, press Clock button on the remote control. In standby mode, the CLOCK time will display on the LCD all the time.
2. To Adjust or set the clock, briefly and repeatedly press SEL/EQ button on the front panel to enter CLOCK Setup mode, rotate VOL KNOB to adjust the hour/minute number. Use the ◄◄ or ►► to change the HOUR or MINUTE position. Once time is set, the unit will automatically set after a few seconds.

6. To set the Alarm

1. Press 🔔 to turn the alarm setting on or off. When alarm is set, the icon 🔔 will display on the LCD all the time.
2. Press and hold 🔔 repeatedly to enter ALARM CLOCK and ALARM.

7. 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.

FURRION

Operation

8. To turn on/off LOUD mode

Briefly and repeatedly press **SEL/EQ** button on the front panel to select LOUD ON/ LOUD OFF mode.

9. 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.

10. ZONE 1/ZONE 2/ZONE 3 BUTTON

Pressing and holding **ZONE 1/ZONE 2/ZONE 3** buttons will turn the audio source on or off in each of the different areas which your speakers are connected. The corresponding zone number will display on the LCD once it is selected.
Note: The **ZONE 3** has independent audio output control function.

- Short press ZONE 3 button to activate independent audio selection mode.
  The icon ZONE 3 will flash on the LCD.
- Select the media source(DISC/USB, AM/FM, BT, F AUX/R AUX, AV, HDMI, COAXIAL, OPTICAL), audio effect and preset EQ independently.
- After the setting of audio output of ZONE 3, Short press ZONE 3 button back to ZONE1/ ZONE 2 audio output control mode. (ZONE 1 and ZONE 2 are in a same group). The icon "ZONE 3" will not flash.

If the media source of ZONE 3 (ZONE 1/ZONE 2) selected ARC, the media source of ZONE 1/ ZONE2 (ZONE 3) can be selected DISC/USB, AM/FM, BT, F AUX, R AUX, AV or ARC.
If the media source of ZONE 3 (ZONE 1/ZONE 2) selected AM/FM or BT,the media source of ZONE 1/ZONE2 (ZONE 3) can be selected DISC/USB, AM/FM, BT,F AUX, R AUX, AV HDMI, COAXIAL, OPTICAL or ARC.
If the media source of ZONE 3 (ZONE 1/ZONE 2) selected USB/DISC, the media source of ZONE 1/ZONE2 (ZONE 3) can be selected AM/ FM, BT, F AUX, R AUX or AV.

11. 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. The unit will be reset to factory default and correct functions will be re-instated.

Operation

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

In RADIO mode:

1. Press and hold ◄◄ or ►► button on the front panel or press and hold I◄◄ / ►►I button on the remote control to automatically search down/up for an available station from the current frequency.
2. Press ◄◄ or ►► button on the front panel or press I◄◄ / ►►I button on the remote control to manually search up or down for your desired station from the current frequency.

4. ■ APS BUTTON

In RADIO mode:

1. When pressing and holding the ■ 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. Then the 6 strongest stations are preset to the corresponding preset number memory band. The AS operation is implemented in each band 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 ■ 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, and then searches again. After finishing a cycle 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 distant 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 if required.

Operation

8. PTY (PROGRAM TYPE) BUTTON

Select area USA, 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 remote 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 minutes 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 a very short time,

and the NEW FREQUENCY is displayed for 1-2 seconds. 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 remote control to select TA ON/ TA OFF mode. When a 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.

Operation

Basic Disc, USB Operation

Begin playback

1. Press 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. If there are no displays on the TV screen when the DVD player is turned on, ensure that the TV is set to the right video input (not TV channel). For example, if you connect VIDEO1 INPUT of the TV and DVD 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. Discs that are seriously scratched or of poor manufacturing or recording quality may not play.
2. If the player can not read a disc in normal condition, please try to eject and reload the disc again.

3. Remark:

1. In addition to normal CD and DVD, this unit supports 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 low as possible recording speed.

Pause Playback

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

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 ►II** button to start playback from the beginning of the first chapter/track.

Select Chapter/Track with the ◄◄ or ►► button or I◄◄ / ►►I button

Press ◄◄ or ►► button on the front panel or I◄◄ / ►►I button on the remote control during playback to select the previous or next chapter/track to playback.

Note: Press ◄◄ or ►► button or press I◄◄ / ►►I button multiple times to advance multiple chapters/tracks backward or forward.

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 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).

Operation

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.

In VCD mode
1. When turning on the PBC function, the beginning of the disc will play until the PBC menu displays on the TV screen (if the disc includes 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 (if 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.

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.

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.

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.

During slow forward, press **PLAY/PAUSE ▶❚❚** button to resume normal playback.

The function is only for video.

Operation

Advanced Disc, USB Operation

If the unit is currently running DVD or VCD disc, press **STEP** button on the remote control consecutively to display the still frame forward step by step.

Press **PLAY/PAUSE ▶❚❚** button to resume normal playback.

Playback Repeatedly

1. ONE/ALL Repeat
- In the mode of DVD disc playback: Press **RPT** button to select REP CHAPTER, REP TITLE, REP ALLor REP OFF.
- 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.
- In the mode of MP3/WMA disc playback: Press **RPT** button to select REP ONE, REP DIR, REP ALL or OFF.

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:
- 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.
- 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.

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

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.

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.

Operation

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: ZOOMx2, ZOOMx3, ZOOMx4, ZOOMx1/2, ZOOMx1/3, ZOOMx1/4, ZOOM OFF.

Press one of the direction buttons to select the area you want to enlarge.

Change the Caption Language

When playing DVDs, press **SUBT** button on the remote control repeatedly to select the language of the caption or turn off the caption (depending on the disc to be used).

When playing VCD/MP3/WMA/CD discs, the button is not available.

Change the Audio Language

1. When playing DVDs, press **AUDIO** button on the remote control repeatedly to select the desired language type (depending on the disc to used).
2. When playing VCD discs, press **AUDIO** button on the remote control repeatedly to select the sound mode of the MONO L, MONO R, AUTO L, AUTO R and Stereo, no language function.
3. When playing CD/WMA/MP3 discs, **AUDIO** on the remote control button is invalid.

Look over the Playback Status

1. When playing DVDs, press **OSD** button on the remote control repeatedly to turn on/off the playback status. When it is on, it will display information such as: the serial number of the playing title, the serial number of the playing chapter, the elapsed time of the playing chapter, the remaining time of the playing chapter, the elapsed time of the playing title, the remaining time of the playing title, etc.

2. When playing VCD/CD discs, press **OSD** button on the remote control repeatedly to turn on/off the playback status. When it is on, it will display the information such as: the serial number of the playing track, the elapsed time of the playing track, the remaining time of the playing track, the elapsed time of the disc, the remaining time of the disc.
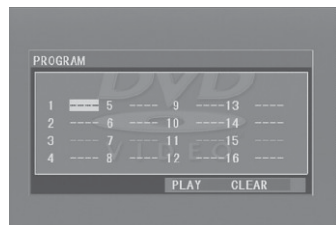
Program Playback

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

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

   For DVDs
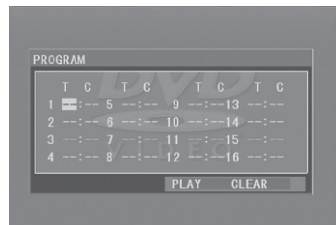
   For VCD/MP3/WMA/CD discs

2. Use the direction buttons to move cursor onto the desired place for inputting the sequence number.
3. Use the number button to input desired sequence number of title/chapter/track with desired sequence.

Operation

4. 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 ▶II** button also can play the programmed titles/chapters/tracks in programmed order.

● To exit program playback, first press **STOP** button, then press **PLAY/PAUSE ▶II** button to enter sequence playback; or press **PROG** button twice again.

● To remove all programmed sequence numbers, move the cursor onto **CLEAR**, then press **OK** button on the remote control.

● To change 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.

Playback the Picture CD in JPEG Format

1. The root menu is displayed on the monitor when beginning 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 sorts of files does not exist, you can not move the cursor onto the file sort icon.

2. 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 ▶II** 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 ▶II** button to display the JPEG picture in full screen from the selected JPEG picture.

3. 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.

MP4 Operation

1. The root menu is displayed on TV when beginning DISC mode, then it will automatically play the first file. During playback, press STOP button to stop playing and return to the root menu.

2. 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 the same as ones in DVD mode; but the "Repeat" function is same as the one in MP3/WMA.

Operation

ESP and ID3 Function

The ESP function is available 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 MP# music currently playing 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.

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 (JPEG format), audio (MP3 or WMA format) and Video (MP4 format), all the operations are the same as ones of the corresponding format.

NOTE:
1. Playback file format is not guaranteed.
2. Not all USB products can be charged from the unit.

The DVD System Menu Setup Operation

1. Press **SETUP** button on the remote control to access the DVD System Menu on the monitor.
2. There are 6 setup pages in all for the System Menu. Press the > or < button to select a desired setup page.
3. Press the ^ or v button to select a setup item in the selected setup page.
4. 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.

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

SYSTEM SETUP
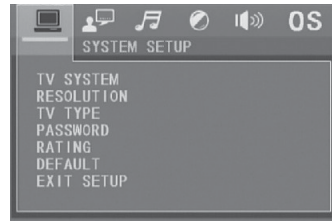
TV SYSTEM

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.

Operation

PASSWORD

This setup item is for locking or unlocking the rating level of the Parental Control. The defaulted state is locked. The default 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. To ensure others don't access the password, consider setting the password then cutting the **PASSWORD section out of** the Manual.

RATING

To set a new Parental Control rating level:
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.

LANGUAGE SETUP
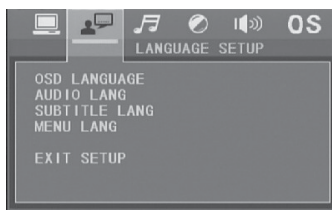
OSD LANGUAGE

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

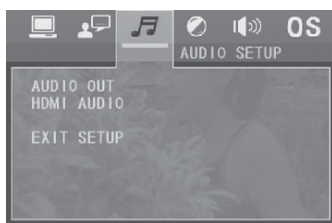### AUDIO LANGUAGE

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.
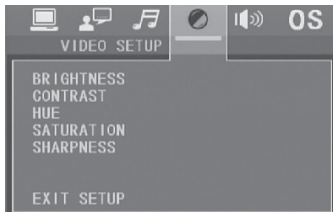
AUDIO SETUP

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.

Operation

VIDEO SETUP

BRIGHTNESS
For adjusting the brightness of video output.

CONTRAST
For adjusting the contrast of the video output.
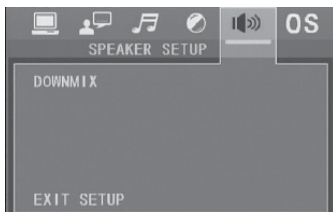
HUE
For adjusting the hue of the video output.

SATURATION
For adjusting the saturation of the video output.

SHARPNESS
For adjusting the sharpness of the video output.

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.

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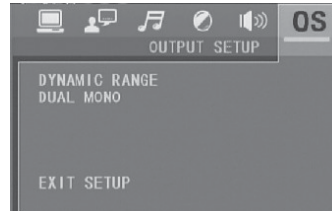
DYNAMIC RANGE
After selecting the compression mode of LINE OUT, set the item, so you can adjust the linear compression ratio. If you set it to be FULL, the Peak-to-Peak value of the audio signal is the minimum; if you set it to be OFF, the Peak-to-Peak value is the maximum.

DUAL MONO
This is for selecting a desired audio output mode for the left and right channels of a signal. It is mainly for Karaoke of Ac3. There are 4 modes in all as follows: STEREO, MONO L, MONO R, MIX MONO.

The Parental Control

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

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

FURRION

Operation

NOTE:
- If you have not changed the password, the factory preset password for the DVD player will be empty. You will need to input a desired password again to verify it in 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: Parent Control
The Parental Control function of a DVD player can control the playback of movie rated level in a disc. You can set the DVD player (including 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 cannot play the disc. Sometimes the Parental Control sequences in some discs are different from each. The rating level setup can be protected by the password. Therein, if you select unlock item, the Parent Control function will be invalid, the content of the disc will be played.

The disc movie can be designed as that the DVD player will playback the different version of the same movie according to the different rating level set by Parental Control. Depending 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. R
6. NC 17
7. Adult

The Region Code

Q: No DVD playback. Screen display 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 allocated every region a code, named a region code. The region codes and the countries or areas represented by the region codes are as follows:

Region I: America, Canada, East-Pacific Islands;

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 Islands;

Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North Korea, North Africa, North-west Asia etc;

Region 6: Mainland China.

FURRION

Operation

Bluetooth Operation

How to pair DV1230 with your mobile phone?

1. Activate Bluetooth mode on your mobile phone, also press ⁂ button to enter Bluetooth mode on your DV1230.
2. After the Bluetooth Device is found, it will show the name of the Bluetooth Device **FURRION DV1230-XXXX** (where **X** can be any character **A-Z** or number **0-9**). Select it and enter it, then it will show an interface that asks you to input a password. Input the password 0000 and enter it. Then it will tell you pair OK. When connected, the LCD of the car audio system will show LINK ok.

Note:
1. Some mobile phones will automatically connect with the BT device of the car audio system after pairing. Other mobile phones will need you to select the paired BT device and press the CONNECTION button.
2. When disconnected, find the paired and disconnected Bluetooth Device on your mobile phone, then press the connection button to connect.

How to unpair DV1230 from your mobile phone?

1. Disconnect:
   When connected, find the paired and connected Bluetooth Device, then press the disconnection button to disconnect.
2. Forget:
   Press and hold the ⁂ button for about 5 seconds in DV1230 to clear its memory.

How to operate mobile phone via bluetooth?

Mobile phone transfers to the car audio whenever dialing takes place; Mobile phone transfers to the car audio whenever receiving a call.

1. While connected: Press ⁂ button on the front panel to switch between Unit and Phone during BT phone conversation.
2. Dial:
   Dial with remote control using the following procedures:
● Input telephone number with number buttons 0-9.
   * Short press **CLEAR** button to cancel the wrongly input number if necessary
● Short press **TEL** to execute the dialing.
3. Redial:
   To redial the last phone number dialed:
● Short press **TEL** button on the remote control or **1** button on the front panel, it will show last phone number on the LCD, then it will execute the dialing.
● Short press **REDIAL** button on the remote control, it will dial the last phone number.
4. Accept:
   Incoming call ringing, short press **TEL** button on the remote control or **1** button on the front panel to accept the call.
5. Reject:
   To reject incoming call ringing, short press **HANG UP** button on the remote control or **2** button on the front panel to REJECT the call.
6. End Call:
   During a phone call, short press **HANG UP** button on the remote control or **2** button on the front panel to end the call.
   Note: When an incoming call is present the caller's phone number will be displayed on the screen.

Operation

How 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 the stereo speaker.
You must select Bluetooth on your mobile device to play 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.
Note: During other modes (except Bluetooth conversation), press ✸ button on the front panel to switch the mode with others.

How to Setup Your Stereo Using NFC (only Supports Mobile Phones 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 the NFC detection area of the Stereo. You can now connect or disconnect your mobile phone with the Stereo conveniently.
   Note: The first time you pair and connect, it will ask you to input a password. The password is "0000".

App Operation

- You can use the Furrion ES control app (both Android and iOS versions) and thus your mobile device as a remote control.
- The app uses BT Low Energy (BLE) technology to connect to DV1230 instead of infrared in the physical remote control, and thus not limited by line-of-sight connection.

- While the app checks for compatibility, it will be good for you to cross-check the specifications of your mobile device to see if it supports BLE technology before the installation.
- Search for "Furrion ES Control" in Google Play (Android) or app Store (iOS) according to your mobile device and install. Run the app according to the instructions within.
- The app works with multiple models in the Furrion DV range entertainment system.

App installation and use steps

1. Install the ES Control app in your smartphone.
2. Turn on Bluetooth on your device and start the app.
3. According the type of your mobile phone to select the name of device "Furrion DV1230-XXXX"(Android smart phone) or "DV1230-4.0-XXXX"(iPhone) to connect (where X can be any character of A-Z or number 0-9).
4. Use the app to control the DV1230 freely.

Maintenance

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 on the disc surface, wipe it off before using.
3. Do not expose the disc to direct sunlight, or nearby heat sources such as caliduct, or leave it in a car parked in direct sunlight where there can be a considerable rise in temperature.
4. Put the disc inside a disc case after finishing playback.

Disc Cleaning

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

correct   wrong   correct   wrong
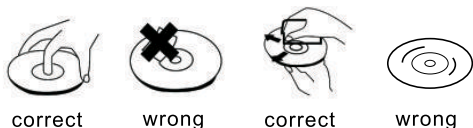
Remote Control Battery Information

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 in the direction indicated by the arrow. (Fig.1)
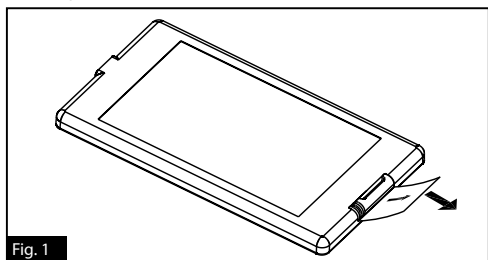
Fig. 1

2. Press the movable block hold in the direction indicated by the A arrow (Fig.2), then pull the battery holder out of the remote control as the direction indicated by the B arrow. (Fig.2)
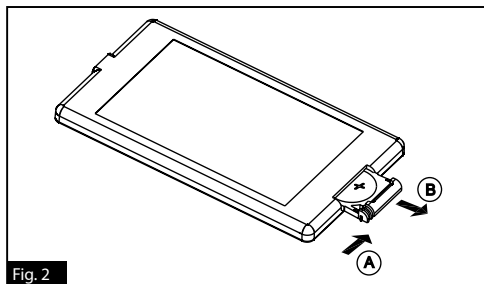
Fig. 2

3. Replace the old battery with a new battery with (+) polarity side upward. (Fig.3)
4. Insert the battery holder to the original position in remote control. (Fig.3)

+ side up

Fig. 3

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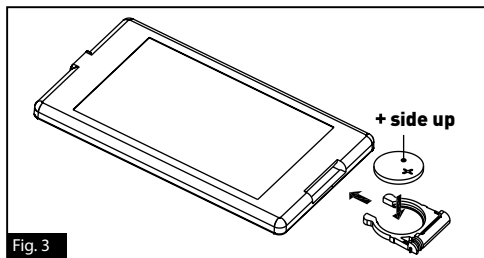
1. Improper use of a battery may cause overheating or an explosion that could result in injury or fire.
2. Battery leakage may cause damage to the remote control. Battery Life: 6 months with normal use in normal room temperature.
3. Do not short the battery.
4. Do not throw the battery into the fire.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

Troubleshooting

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

TROUBLE/SYMPTOM	SOLUTION
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 muted.
Black and white picture or screen rolling	Ensure that you have set the right TV SYSTEM (e.g. PAL, NTSC) setting.
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.
Flaws in 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 unit until the ambient temperature returns to normal.
	Insert another disc into the disc compartment
Remote control does not work	Check the batteries of remote control and make sure that they are not dead.
	Direct the remote control to the IR sensor of the player.
	Check whether there are obstacles between the remote control and IR sensor.

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Troubleshooting

TROUBLE/SYMPTOM	SOLUTION
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 Bluetooth 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.

FCC Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Specifications

General Specification

Power supply requirement	DC 12V
Maximum power output	4x24W, 2x 15W
Dimensions	9¹³⁄₁₆" x 4⁵⁄₈" x 7" (249 x 118 x 178 mm)

DVD Deck Specification

Format	DVD/VCD/JPEG/MP4/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 Load impedance: 75 ohms
Horizontal resolution	600

Audio Specification

Audio output (Analog audio)	2.0^{+0} -1.0Vrms
Frequency response	20Hz ~ 20KHz (at 1 KHz 0 dB)
S/N ratio (Audio)	≥60dB (at 1 KHz 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 - 107.9MHz (AUS)
Usable sensitivity	3uV
I.F frequency	10.7MHz
AM section	
Frequency range	530KHz -1710KHz (US) 522KHz -1620KHz (EU) 522KHz -1710KHz (AUS)

Bluetooth Specification

Bluetooth Version	V4.0
Operation Frequency	2.4GHz (ISM BAND)
Bluetooth Output	4dBm

FURRION

Warranty

FURRION WARRANTS FOR A PERIOD OF 1 YEAR FROM DATE OF RETAIL PURCHASE BY THE ORIGINAL END-USE PURCHASER, THAT THIS PRODUCT, WHEN DELIVERED TO YOU IN NEW CONDITION, IN ORIGINAL PACKAGING, FROM A FURRION AUTHORIZED RESELLER AND USED IN NORMAL CONDITIONS, IS FREE FROM ANY DEFECTS IN MANUFACTURING, MATERIALS, AND WORKMANSHIP. IN CASE OF SUCH DEFECT, FURRION SHALL REPLACE OR REPAIR THE PRODUCT AT NO CHARGE TO YOU. THIS WARRANTY DOES NOT COVER: PRODUCTS WHERE THE ORIGINAL SERIAL NUMBERS HAVE BEEN REMOVED, ALTERED OR CANNOT READILY BE DETERMINED; DAMAGE OR LOSS CAUSED BY ACCIDENT, MISUSE, ABUSE, NEGLECT, PRODUCT MODIFICATION, FAILURE TO FOLLOW INSTRUCTIONS IN INSTRUCTION MANUAL, COMMERCIAL OR INDUSTRIAL USE; DAMAGE OR LOSS CAUSED TO THE DECORATIVE SURFACE OF PRODUCT; TO ANY DATA, SOFTWARE OR INFORMATION; AND NORMAL WEAR AND TEAR. THIS WARRANTY ONLY PROTECTS THE ORIGINAL END-USER ("YOU") AND IS NOT TRANSFERABLE; ANY ATTEMPT TO TRANSFER THIS WARRANTY SHALL MAKE IT IMMEDIATELY VOID. THIS WARRANTY IS ONLY VALID IN THE COUNTRY OF PURCHASE.

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Keep your receipt, delivery slip, or other appropriate payment record to establish the warranty period. Service under this warranty must be obtained by contacting Furrion at
warranty@furrion.com

Product features or specifications as described or illustrated are subject to change without notice.

FURRION

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