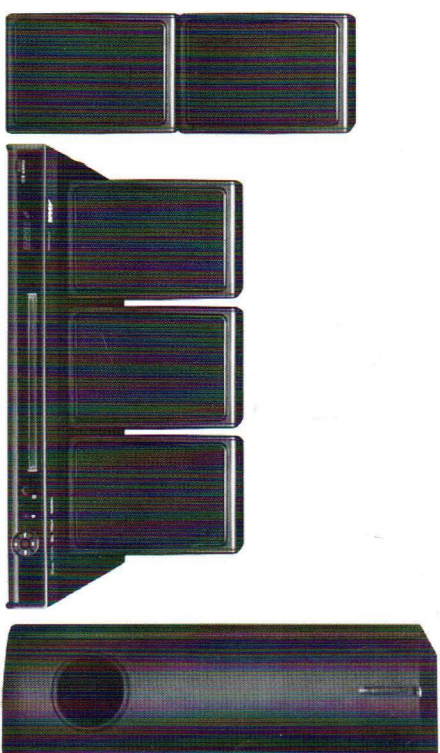


AWA

Instruction Manual



HTS488

5.1 Channel DVD Home Theatre System



Should you encounter any problems, please contact the help line before you return this product back to the place of purchase.

Contact our Toll Free Warranty Support Help Line

1300 366 144

Email: warrantyhelp@awa.com.au

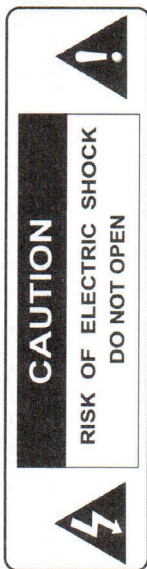
Visit our web site for FAQ's or request for service

www.awa.com.au

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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.

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
10. unplug the apparatus when not using for a long time oriented to disconnect from the Mains power
11. No naked flame sources, such as lighted candles, should not be placed on the apparatus.
12. Make sure there is free circulation of air (do not place the device on shelves, on a thick carpet, on a bed, or anywhere that obstructs the ventilation slots, and leave at least 10cm clearance on all sides.
13. The apparatus shall not be exposed to dripping or splashing.
14. The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
15. The battery (battery of batteries of battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
16. The Mains plug is used as the disconnect device. It shall remain readily operable, and should not be obstructed during intended use.
17. Please reset the DVD player if you find the player crashed, then it can work well.

If the electric cable is damaged, it must be replaced by the manufacturer, or by the qualification persons, in order to avoid a danger.

The product's function maybe reset when it is subjected to electrostatic discharge disturbance. Just follow the instruction described in this manual to set the function again for normal operation.

Macrovision:

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

1. PRECAUTIONS

Before using this unit, be sure to read the applicable items of the operating instructions and these safety suggestions carefully.

Afterwards keep them handy for future reference.

Take special care to follow the warnings indicated on the unit itself as well as in the operating instructions.

Safety

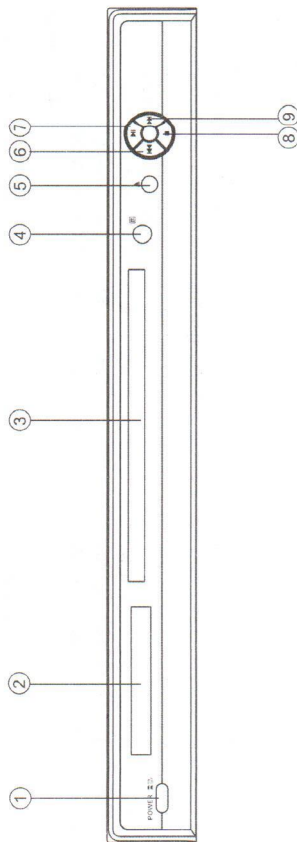
Power Source-The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit.

Environment

1. Water and moisture do not use this unit near water.
For example, near a bathtub, wash bowl, swimming pool, or the like, Damp basements should also be avoided.
2. Condensation-moisture may form on the lens in the following conditions.
Immediately after a heater has been turned on.
In a steamy or very humid room.
When the unit is suddenly moved from a cold environment to a warm one, if moisture forms inside this unit, it may not operate properly, to correct this problem wait about one hour for the moisture to evaporate.
3. Heat never use or place this unit near a heat source.
Do not leave it in an automobile exposed to direct sun light for a long time with the doors and windows closed as this may deform the cabinet.

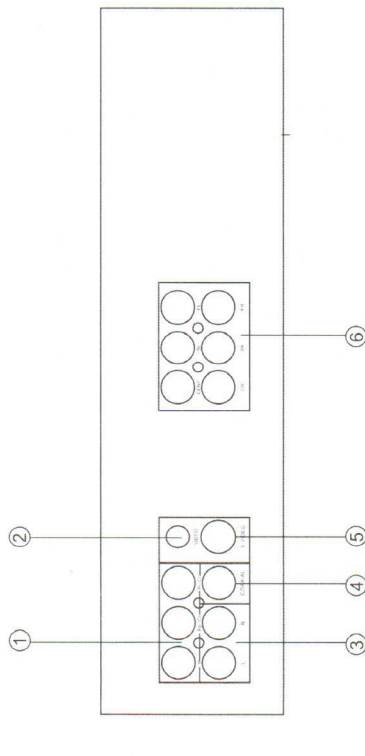
2. FRONT PANEL AND REAR PANEL ILLUSTRATION

Front panel



- ① POWER
- ② Display Screen
- ③ Disc Tray
- ④ Remote Control Sensor
- ⑤ Open/Close
- ⑥ PREV
- ⑦ Play/Pause
- ⑧ STOP
- ⑨ NEXT

Rear panel



- ① Component Video Output
- ② Composite Video Output
- ③ Downmix Left/Right
- ④ Coaxial Output
- ⑤ S-video Output
- ⑥ 5.1 Channel Audio Output



Product Warranty

Subject to the warranty repair conditions below, in addition to any applicable statutory warranties this product is warranted for 12 months from the original date of purchase covering both parts and labour.

The benefits conferred by this warranty are in addition to and not in derogation of all rights and remedies in respect of this product which the consumer has under the Trade Practices Act and other State and Territory laws.

Warranty Repair Conditions

- A. This Product Warranty only applies provided the product:-
 - Has been purchased in Australia and sold by Authorised Distributors or Dealers and only where the products are used and serviced within Australia
 - Is taken for service when required to an Authorised Service Agent, together with written instructions indicating specific problem or function requiring investigation.
 - Has valid proof of purchase and presented when warranty service is requested.
 - Has only been used in a domestic application.
 - Has been installed and operated in accordance as noted in the operating instructions under normal use and reasonable care (in the opinion of the Service Centre).
 - Has not been damaged by the use of accessories which in the opinion of the Service Centre are defective or incompatible with the product.
 - Has not been tampered with or repaired (including unauthorised alterations) by anyone other than the AWA Service Centre or an Authorised Service Centre.
- B. This Product Warranty does not cover:-
 - Damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accidental damage, misuse, neglect, build-up of dirt or dust abuse, wear and tear, maladjustment of customer controls, mains supply problems, thunderstorm activity or Acts of God, pixel error, infestation by insects or vermin, exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
 - Mileage or travelling time in respect of service outside the authorised AWA Service Centre nor pick up and delivery cost incurred.
 - Service calls arising from failure to correctly operate the product or to observe noted instructions, or repair which reveals the product is in normal working order.
 - Cabinet parts, user replacement batteries or leads unless the defective items are reported at the time of purchase.
- C. Service calls only apply to Television display devices (CRT, LCD, Plasma) with screen sizes greater than 59cm in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres.
- D. Requested service visits to the customer premises will be made during normal working hours of the customer and working week upon request by the customer. Where such a visit is made on a day arranged by the customer and the service technician is unable to obtain access to the product, the Service Centre will be entitled to make a separate charge for service call fee, time and distance travelled.
- E. The AWA Service Centre and its Authorised Service Centres may charge for work done where the product is found to be in good working order. Example, charges may be made where the problem is found to be due to incorrect setting of customer controls, use of poor associated equipment (e.g. poor antenna systems) or the inability of the product to operate with faulty or incompatible equipment.
- F. If the product is sent to an Authorised Service Centre, the owner is responsible for the cost of transport to and from the Service Centre. In addition, the product is at the owners risk while in transit to and from the authorised Service Centre.
- G. No person is authorised to make or give any assertions, statements or undertakings, whether expressed or implied about the product other than or additional to the terms of this warranty.

Please read instruction manual carefully
Should you encounter any problems?

Please contact Telefix for Warranty Support
1300 366 144

Email: warrantyhelp@awa.com.au

REMOTE CONTROL IS INSENSITIVE OR DOES NOT WORK

- Check the batteries of remote control and make sure that they are to be powerful and good conductivity.
- Direct the remote control to the IR sensor of the player.
- Check whether there are some obstacles between the remote control and IR sensor.

ABNORMAL FUNCTION OPERATION

- Turn off the power, and then turn on again.

DISC IS LOCKED IN THE TRAY

- The disc can not be taken out of the tray when the player is reading, so you have to turn off the power and turn on again, and press OPEN/CLOSE key immediately to open the tray.

9. Technical specifications

Signal system	PAL/AUTO/NTSC
Frequency Response	20Hz-20KHz (at 1KHz 0 dB)
Signal-to-noise ratio (Audio)	≥90 dB (at 1KHz 0 dB)
Audio Distortion + Noise	≤-60dB (at 1KHz0dB)
Audio Output (Analog audio)	2.0 ^W ±1.0Vrms
Video Output	Composite: 1.0±0.2Vp-p Load impedance: 75Ω, imbalance, negative polarity
Power Supply	~240V 50Hz
Dimensions	360(mm) X 260(mm) X38(mm)
Supported Disc	Xvid/DVD-R/DVD-RM/DVD+R/DVD+RM/DVD/VCD/ISVCD/CD/CD-R/ CD-RW/MP3/ JPEG/Picture CD
Accessories	RCA Audio/Video cables(composite video and L-R audio) Remote Control unit User Manual

REFERENCE:

To protect your DVD player, the interval between two consecutive Power button operations must be above 30 seconds.

No using for a period of time, please pull out the plug from the electronic outlet.

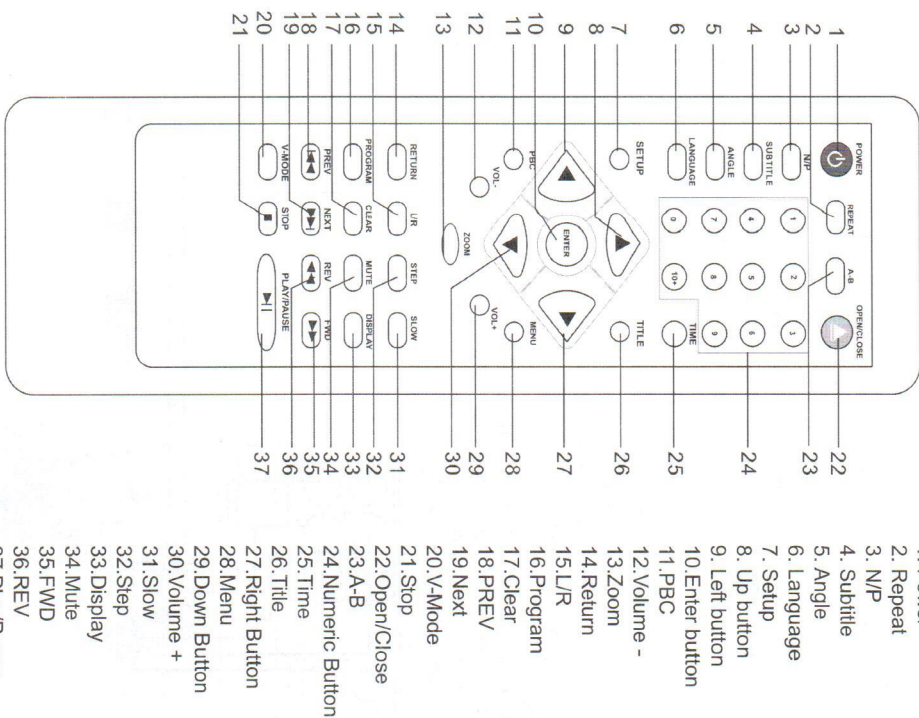
The player should be operated only on condition that the type of power supply corresponds to the marking label. Otherwise, it doesn't work or even be damaged.

The player may not be compatible with some encrypted discs.

If the player stops playback by accident, please power it on again.

Appearance and function is subject to change without notice.

3. REMOTE CONTROL



Using the Remote Control

Unless stated other wise, the remote control can operate all the features of the DVD Player. Always point the remote control directly at the remote sensor on the front of the DVD Player, not the TV.

Battery Installation

Remove the battery compartment lid on the rear of the remote control by sliding the lid down, then off. Place two AAA batteries inside the battery compartment with their + and ends aligned as indicated. Do not mix old and new batteries or different types of batteries. Replace the battery compartment lid. Slide the lid until you hear it click into place.

4. CONNECTIONS

Before connecting, make sure to turn off power of all apparatus.

After finishing connection, turn on the power again.

Wires must be connected properly, depended on the silkscreen on the rear panel. Especially the plug shall be fully inserted.

Warning:

Do not connect any amplifier with coaxial connector that does not contain Dolby digital AC 3 or DTS decoder. Any attempt to do so and play of DVD disc will result in damaging your speakers and causing possible hearing injury. Other than DVD disc, VCD and CD can be operated normally without conforming to the above restriction.

Setting of TV system

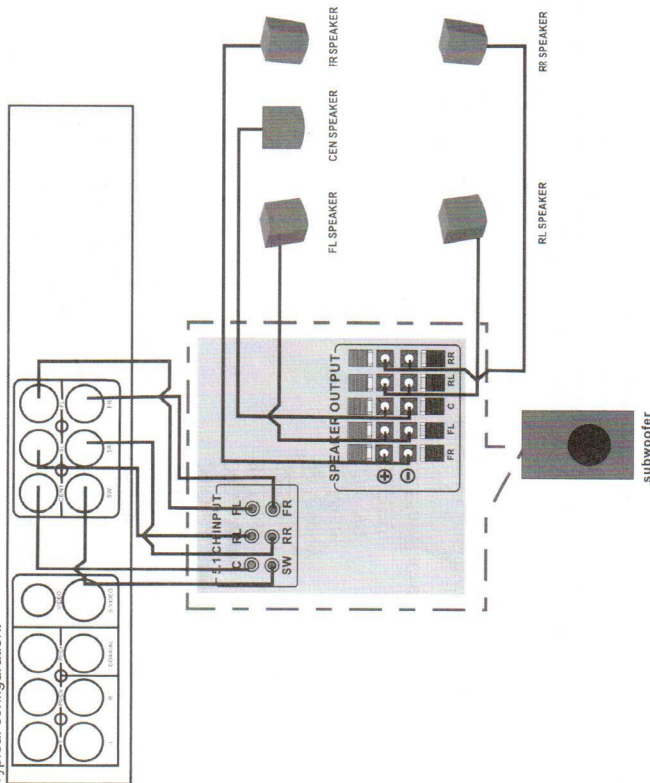
If you find the image like non-fully zoomed picture, brim picture covered or black & white picture etc, please select PAL or NTSC by systems setting or press **N/P** button to switch the TV system on the remote control. This DVD player is capable of supporting different scales picture, as a result, non-full zoomed picture could appear or picture be partially covered on user's TV set.

Connect the loudspeakers

We recommend switching off the product before performing the following operations.

1. Use RCA cables to connect the player to the subwoofer unit.
2. Use speaker cable to connect the satellite speakers to the subwoofer unit.
3. Switch on the player and subwoofer unit.

Typical configuration:



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Select **Parental Control**, and press **ENTER** to change the different mode.

Note: Unlock the password before setting **Parental Control**

7.4.2 Set Password

Use the 0-9 keys to input four digits (password), then press **ENTER** to confirm.

Note: If you forget your password, please use the universal password **8888** to unlock.

7.5 MISC SETUP

Select **MISC** in the setup menu, and display the submenu:

* Use Default Settings

Reset setup data to factory default and re-load disc

8. Troubleshooting

Please read the user's manual carefully before using the DVD player. If you have any troubles in using this player, try to solve the problems by the suggestions mentioned below. If you can not remove the trouble after using all the suggestions, please contact the company or the technical service center authorized by us. For the sake of your safety, please do not open the cover and repair the player by yourself, if that, it may cause electric shock.

NO PICTURE, SOUND AND INDICATION

- Ensure that the power switch is on.
- Ensure that the wall inlet is ok.
- Ensure that the power plug is not damaged.
- Ensure that the power plug is connected to the inlet tightly.
- If NO image and sound after connecting TV and DVD player with AV/ S-video/YUV cable, please repeatedly press V-mode button on remote control

NO SOUND BUT HAVE PICTURE

- 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 you have turned your TV to the AV input channel connecting to your player.
- Ensure that the audio is not under mute.

NO PICTURE BUT HAVE SOUND

- 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.

DISPLAY NO 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.

DISPLAY BAD DISC

- Check whether the disc has bad quality.
- Ensure that the disc is not stained or damaged badly.
- Ensure that the disc format is compatible to the player.
- Ensure that the disc is not deformed.

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7.3.3 Center Speaker

Selection of **Large** or **Small** is same with that of front speaker. The speaker will have no signal output if set to **None**.

Notes:

If the Subwoofer is **On**, Center is set to **None** or **Small**, and bass from the center channel is redirected to the subwoofer. If the content contains a discrete subwoofer channel, it is also sent to the subwoofer. If the Subwoofer is **Off**, Center is set to **None** or **Small**, and bass from the center channel is redirected to the left and right channels. If the content contains a discrete subwoofer channel, it is discarded.

7.3.4 Surround Speakers

Selection of **Large** or **Small** is same with that of front speaker. The speaker will have no signal output if set to **None**.

Notes:

If the Subwoofer is on, Surround is set to **None** or **Small**, and bass from the surround channels is redirected to the subwoofer. If the content contains a discrete subwoofer channel, it is also sent to the subwoofer.

If the Subwoofer is **Off**, Surround is set to **None** or **Small**, and bass from the surround channels is redirected to the left and right channels. If the content contains a discrete subwoofer channel, it is discarded.

7.3.5 Subwoofer

Selecting to enable/disable the subwoofer output when 6 Channel analog output is used. The following options are available:

None Subwoofer is off. Bass from center and surround channels is redirected to the left and right channels. If the content contains a discrete subwoofer channel, it is discarded.

Present Subwoofer is on. Bass from center and surround channels is redirected to subwoofer.

If the content contains a discrete subwoofer channel, it is also sent to the subwoofer.

Note:

Bass Management is not available for MP3 or WMA bitstream; therefore, it will be disabled during the playback of those streams.

7.3.6 Test Tones

Selecting the **Test Tone** setting allows the user to test the player's audio output on each speaker. When you select channel, a short burst of pink noise will be sent to corresponding channel

7.3.7 Center Delay

Selecting the Center Delay setting allows the user to enable/disable the center output delay.

7.3.8 Surr. Delay

Selecting the **Surr. Delay** setting allows the user to enable/disable the center output delay.

7.3.9 Digital output

Selecting the **Digital Output** setting allows the user to adjust the audio output on S/PDIF ports to work in harmony with the audio equipment (e.g. receiver, speakers) connected to the player.

Off Digital audio output is disabled.

PCM Select this option when you are going to use stereo signals (2 channels). You should combine this option with the option "Lower sampling rate," which we explain further on

All If you select this option the player will use the DVD's original audio track. Use this option when you want to use the Dolby Digital AC3 signals through the coaxial audio output.

7.4 RATING SETUP

Select **Rating** in the setup menu, and display the Rating submenu:

Note: Not all DVDs support ratings.

7.4.1 Parental Control

Selecting a Rating allows the user to set the parental control feature of the player

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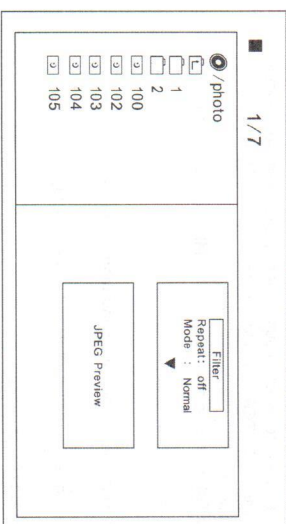
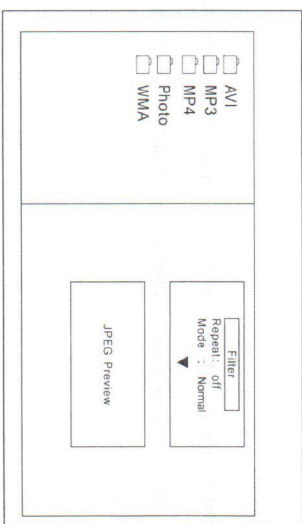
5. FUNCTION OPERATION

How to program playback

The Program Playback option allows entering the order in which the chapters or tracks will be played, up a maximum to 16.


Press Program button to display the Program Menu. According to the highlight, move the cursor to the chapters / tracks you want to play, then press ENTER to confirm. Then press Play or use arrow buttons to highlight the "PLAY" item and press Enter. The chapters / tracks will play in the programmed order. During Program Playback, if Program button pressed, the programmed order and the contents will be displayed on the screen, and the Program Playback will be stopped. Also Stop and Play can be pressed to resume normal playback. To clear the programmed order, use arrow buttons to highlight the "CLEAR" item, then press Enter to modify the programmed order, use arrow buttons to highlight the modifying item and enter the new chapter / track you want to program directly.

6. MP3/WMA/MPEG4/JPEG AND KODAK PICTURE CD PLAYBACK



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The MP3WMA/MPEG4/JPEG and KODAK PICTURE CD PLAYBACK disc has such a directory structure as shown in the picture.

Press **Direction key** to choose the root directory and then press **ENTER** button to enter into the sub directory. Press **Direction key** to choose the desired track and then press **ENTER** to enjoy the music or movie. If you want to return to the upper menu, press **Direction key** to choose  the icon and press **ENTER** button. Filter: Allows selecting the categories of files displayed in the browser list. This selection is done among the 3 categories: Audio, Photo and Video. Repeat: To switch different repeat playing mode

Mode: Select different playing mode

Normal: Shuffle mode is cancelled

Shuffle: Shuffle mode enabled. When playback reaches the end of the current chapter/track, playback jumps to a random chapter/track.

As the end of each chapter/track is reached, another random chapter/track will be played until all tracks/chapters have been played or the Shuffle mode is cancelled by toggling to a different "Mode" option.

intro: In this mode, the media will play 10 seconds then skip to next media

Edit Mode: To enable programmed playback mode. When you select the mode, press **LEFT Direction key** to directory and press **ENTER** to choose the desired track and press **Add to program** to start program playback.

Program view: Display program track

Browser view: Display track directory

Add to program: Choose the track and press **Add to program** to add the track of the program play directory.

Clear program: Full stop state. Choose the track and press **Clear program** to delete the track of the program play directory.

7. SYSTSEM SETUP

DVD menu setup

Press the **SETUP** button on the remote control, the **SETUP MENU** (main) will be displayed.

After accessing the setup menu, press the direction buttons for up and down movement to select an item desired, then press the **ENTER** button to confirm. Press **LEFT** direction button return to the menu of upper level.

To exit the setup, press the **SETUP** button again. In the **SETUP MENU**, you may choose any of the following options as you like.

7.1 LANGUAGE SETUP

Select **Language** in the setup menu, and display the **Language** submenu:

7.1.1 OSD Language

Use this item to select the language of the setup menu and screen display.

7.1.2 Subtitle

This option provides the preset subtitle language.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option.

7.1.3 MPEG4 Subtitle

MPEG4 Subtitle setting is used for choosing the language domain, (only for MPEG4). After select one

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language domain (alphabet), when playback a **MPEG4** with external subtitle, the subtitle display will use this language alphabet. If you find the displaying subtitle "words" aren't correctly, please ensure the external subtitle language and select the correct language.

7.1.4 Audio

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option.

This option provides the built-in disc dubbing language options.

7.1.5 DVD Menu

This option provides the film's menu language options.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option.

7.2 VIDEO SETUP

Select **Video** in the setup menu, and display the **Video** submenu:

7.2.1 Aspect Ratio

4:3 : Choosing this setting if your DVD player is connected to a normal ratio TV. You can fill the movie to the entire screen of your TV. This might mean that parts of the picture (the left and right edges) won't be seen.

16:9 : Choose this setting if your DVD player is connected to a wide screen TV. If you choose this setting and you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.

Notes:

The image display ratio is related to the recorded disc format. Some disc can not display images in the aspect ratio you choose. If you play a disc recorded in 4:3 format on a wide screen TV, black bars will appear on the left and right side of the screen. You must adjust the screen setting depending on the type of the television you have.

7.2.2 View Mode

With this option you can select the different video vision mode on the screen.

7.2.3 TV System

This product supports output of various system, including **AUTO**, **NTSC**, **PAL**.

If your TV set has only **NTSC** or **PAL** system, the screen will blink and become colorless when a wrong system is selected. In this case, press the **NIP** button on the Remote Control to switch the **TV TYPE**.

Note: For more information of output format, refer to the instructions or your TV set.

7.2.4 Video Output

Selecting the Video Output setting to switch between different video outputs

S-VIDEO :Set the video output to interlacing output(normal VIDEO and S-VIDEO).

COMPONENT: Set the video output to YUV output.

P-SCAN: If your TV is progressive TV, please select the option. You can get better picture quality.

7.3 Audio setup

Select **Audio** in the setup menu, and display the **Audio** submenu.

7.3.1 Bass Management

To enable or disable the Bass Management during operation of the player.

On = Enable the Bass Management.

Off = Disable the Bass Management.

7.3.2 Front Speakers

To adjust the front speakers output to work in harmony with the audio equipment (e.g. receiver, speakers) connected to the player.

When Bass Management is On, the following options are available:

Large : Support signal frequency lower than 200Hz

Small : Support signal frequency higher than 200Hz

If the connected speaker supports signal lower than 200Hz, it is best to select **Large**. If not, you shall select

Small.

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