

5.1 ch
output



INSTRUCTION MANUAL

DVD504¹

Installation Warnings

Ventilation slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or heat register. This product should not be placed in a built-in installation such as a bookcase or rack, unless proper ventilation is provided or the video product manufacturer instructions have been followed.

Outdoor Antenna Grounding if an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and buildup static charges. ANSI/NFPA No. 70-1984 provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Power Lines an outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits, as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.

Lightning for added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.

Compulsory Warnings

If the supply cord is damaged, it must be replaced by the manufacturer or its service agent, or a similarly qualified person, in order to avoid a hazard. This product has not been designed for any uses other than those specified in this booklet.

Laser Safety

This compact disc player is classified as a CLASS 1 LASER PRODUCT.

Only qualified service personnel should remove the cover or attempt to service this device due to possible eye injury.

Invisible laser radiation when open and interlock failed or defeated.

Avoid direct exposure to beam.

Save These Instructions

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 other rights owners. Use of this copyright protection technology must be authorized 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.

FEATURES

DVD, CD, MP3, Picture CD compatible
CD-R, CD-RW capable

Video output:

Composite Video output
S-Video output
YPbPr output

Audio output:

Down-mix stereo output
Digital digital output
DTS surround output
Coaxial output
Optical output
5.1 channel output

DVD features:

Multi Subtitle select
Multi Language select
Multi Angle select

Other features:

On screen control menu
Digital zooming
Slow motion forward
Child lock
Auto screen saver

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INTRODUCTION

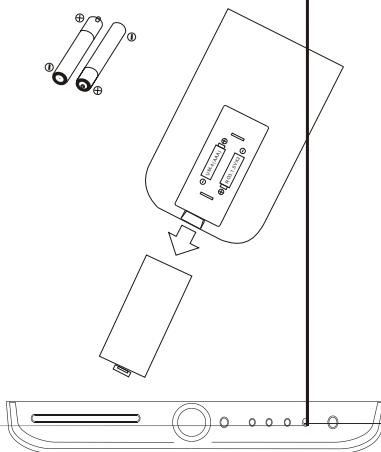
Loading batteries to the remote control

- Remove the battery compartment cover.
- Load two AAA (UM-4) batteries into the battery compartment.
- Make sure that the batteries have been inserted in the correct polarities matching to the symbols +, - marked in the battery compartment. Close the battery compartment cover.
- When replacing batteries, replace both batteries. Do not mix new and used batteries operating together, otherwise, the operation lifetime will be much shorter than normal.
- Remove the batteries if the unit will not be used for a prolonged period of time.

The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor of the unit during operation.

If the sensor has been covered or there is a large object between the remote control and the sensor, the sensor will not respond.

The sensor may not be able to receive the remote signal when it is exposed to direct sunlight or a strong artificial light (fluorescent or strobe light). In this case, change the direction of the light or reposition the unit to avoid direct lighting.



Within approximately
6 meter (20 feet)

BE ENVIRONMENTALLY FRIENDLY

Do not dispose batteries as normal rubbish. Be environmentally friendly, dispose batteries following the Government's regulation.



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Some features contained in this DVD player are related to the DVD disc's software.

Some features cannot be performed if the disc does not support the feature, or requires special settings.

Check the features printed on the disc's packing or follow the instructions of the Disc's on screen menu.

Select a DVD disc

DVD Region Code

DVD discs and DVD players are manufactured under the worldwide agreed DVD Regional Code System that the player will operate only with corresponding disc of the same Regional Code.

| Region code | Region |
|-------------|--|
| 1 | Canada, USA |
| 2 | Europe (incl. Poland, Romania, The Czech republic), Japan, Middle East (incl. Saudi Arabia, Egypt, Iran, South Africa) |
| 3 | East Asia (incl. Hong Kong, Taiwan, South Korea), South-East Asia |
| 4 | Australia, Caribbean, Central & South America, Mexico, New Zealand |
| 5 | Africa, Former Soviet Union, India, North Korea, Pakistan, Turkmenistan |
| 6 | China |

Care of disc

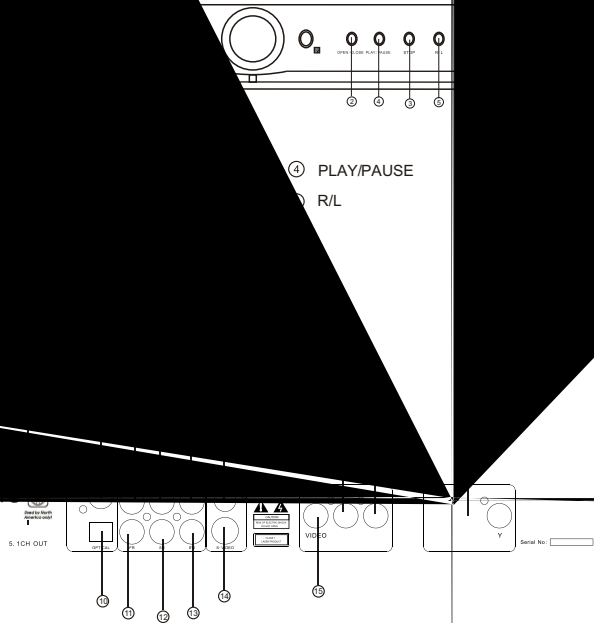
- Hold the disc with fingers. Hold the disc's outer edge and/or the center spindle hole. Do not touch the disc surface.



- Do not bend or press the disc. Do NOT expose the disc to direct sunlight or heating sources.



- Store discs in cabinet vertically , in dry condition. Prevent exposure to:
 - Direct sunlight
 - Heat or exhaust from a heating device.
 - Extreme humidity .
- Clean the disc surface with a soft, dry cleaning cloth. Wipe the disc surface gently , radially , from center Toward the outer Edge.
- Do not apply thinner, alcohol chemical solvent, or sprays when cleaning. Such cleaning fluids will permanently damage the disc surface.



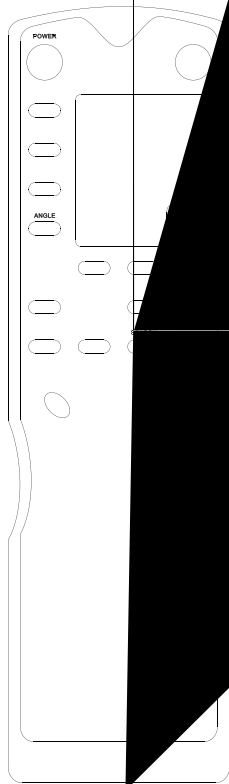
- | | | |
|--------------------------------------|--------------------------------------|---------------|
| ① 5.1CH OUT | ⑧ 2CH R input jack | ⑱ VIDEO INPUT |
| ② Digital signal COAXIAL output jack | ⑨ Y Pb Pr | |
| ③ 5.1CH FL output jack | ⑩ Digital signal OPTICAL output jack | |
| ④ 5.1CH SL output jack | ⑪ 5.1CH FR output jack | |
| ⑤ 5.1CH CEN output jack | ⑫ 5.1CH SR output jack | |
| ⑥ Video output | ⑬ 5.1CH SW output jack | |
| ⑦ 2CH L input jack | ⑭ S-Video output | |

Remote control

Some features of the player can only be performed by the remote control.

Some features described in this owner's manual are related to the Disc's encoding.

Some features may not be available, if the disc encoding does not support the feature.



Notes

The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor during operation. When the sensor is covered or there is a large object between the remote control and the sensor, the sensor cannot receive signals. The sensor may not be able to receive signals properly when it is exposed to direct sunlight or a strong artificial light (such as a fluorescent or strobe light). In this case, change the direction of the light or reposition the unit to avoid direct lighting.

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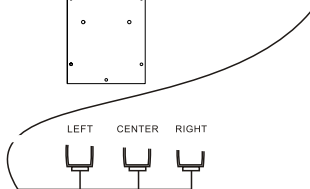
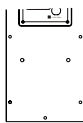
R

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1



LEFT CENTER RIGHT



Left Surround

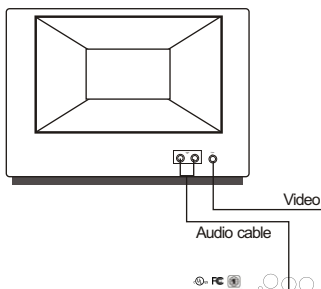


5

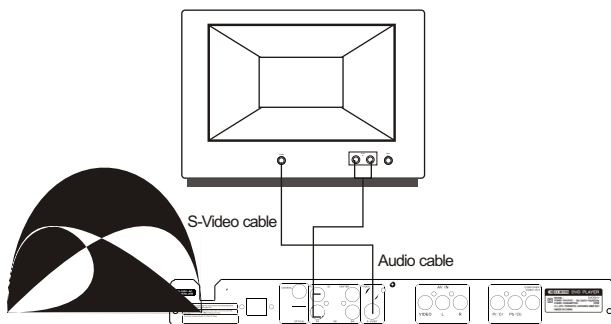
CONNECTION

TV SET CONNECTIONS

CONNECT DVD PLAYER TO TV
Connect the Composite video cable



CONNECT DVD PLAYER TO TV
Connect the S-VIDEO cable(not supplied) to connect DVD player and your TV.



GETTING STARTED

- Unpack the unit.
- Read through this owner's manual before installation and use.
- Load batteries into the remote control unit.
- Connect the system, make sure the connections are secured.
- Connect the power plug to the AC power outlet.

REMARK

Some features contained in this DVD player are related to the DVD disc's software. Some features cannot be performed if the disc does not support the feature, or requires special settings. Check the features printed on the disc's packing or follow the instructions of the Disc's on screen menu.

Play a disc

Switch on the player

Push the main power button to turn on the DVD unit. Power on the TV set and the amplifier if connected.

Set up the system

Select the corresponding setting of the TV set (A V1, A V2, S-Video etc.) and the amplifier, until the DVD Logo appears on screen

Load a disc



Press **EJECT** button on the remote control (or front panel open/close) to open the disc tray. Load a disc and press **EJECT** to close the disc tray
(Note, place the disc's label side up, blank side down)

Automatic Play

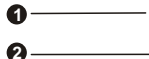
The unit will take a few seconds to download the disc initial data, display the disc type logo in the left upper corner of the TV screen, and then start playing automatically.

If a DVD Disc Menu appears on screen

Press **PLAY** button on the remote (or on the unit) to start playing.

Or

Press **CURSOR** buttons to select the desired feature in the menu,



And then press the **ENTER** button to confirm a selection.

_____ **PLAY**

NOTE Normally, when a MP3 disc is loaded, the unit will take longer time to download the initial data.
DVD disc that does not match the region code cannot be executed by this player.

Return to the disc main menu, press **MENU** button on the remote.
Prevent loading the disc upside down.

Video port setup

The DVD player is equipped with the following video ports:

Composite Video (V) (Always active)
S-Video (Default option)

The DVD player has been pre-set at the factory to Composite Video (V) and S-Video outputs, as default settings.

The player is equipped with the following video output ports:

Composite Video and **S-Video** always
active, does not need setting.

Screen saver

The player is equipped with an automatic screen saver, for the purpose of protecting the TV screen.

The TV screen will be black and a screen Saver will appear on screen if :

- No disc is loaded for 180 seconds
- In STOP mode and no button has been Pressed for 180 seconds, (except in the player or disc menu)

When any button is pressed, the player will resume to normal active mode.



FUNCTION BUTTONS

Power ON / OFF

POWER ON /OFF

To switch the player Between power on and off mode:

**Press POWER button on front panel
or POWER button on the remote**

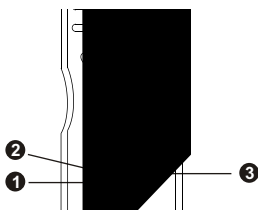
(Always switch off the player after use)

Open /Close disc tray

To open and close The disc tray:


Press EJECT button  on the remote

Play / Pause/ Stop




1 Press PLAY button 
To play the Disc

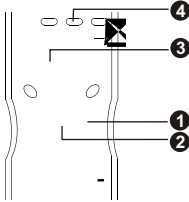
2 Then Press PAUSE button 
to pause.

Press  to resume normal playback.




3 Press STOP button 
to stop in two modes:

- a) Press **Once** : STOP memorizes the interrupt position.
(May resume with Play button )
- b) Press **Twice** : To stop completely
(Will NOT resume with Play button)

Select an item in menu





In the disc menu or setup menu

- 1 **press cursor button** to move between function items.
- 2 **Press**  to confirm a selection.
- 3 **Press**  to cancel an entry.
- 4 **Press**  to return to the previous menu.

Disc Title /Menu



- 1 **Press MENU button**  return to the DVD disc Menu.
- 2 **Press TITLE Button**  return to the DVD disc Title.

Disc MENU Disc menu is a DVD disc feature, allowing users to select functions on screen.

Disc TITLE Disc title is the beginning track of a DVD disc. Some DVD discs refuse the "TITLE" function.

Numeric Key Pad / Direct Program access



Direct Program access

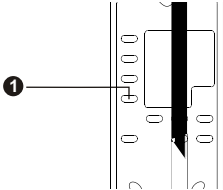
- 1 Input the desired Chapter or Track number using the Numeric key pad. Press ENTER button to confirm your direct access Chapter or key selection.
 - Chapter - when Playing a DVD disc, or
 - Track - when playing a CD or Mp3 disc

Numeric input - Function / Menu

- 1 Press the numeric Key pad to input data for disc or setup menu.

NOTE Program functionality depends on different DVD disc's format, some DVD discs do not allow direct access function.

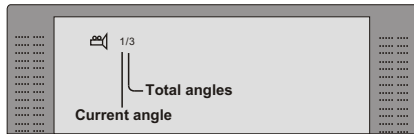
Multi-Angle



A DVD disc may contain up to 9 selectable viewing angles.

If a DVD disc contains Multi-Angle feature, viewing angles may be selected:

- 1 During in playback, repeat pressing **ANGLE button**  to select the desired viewing angle. Status will be displayed on screen..



BUTTONS

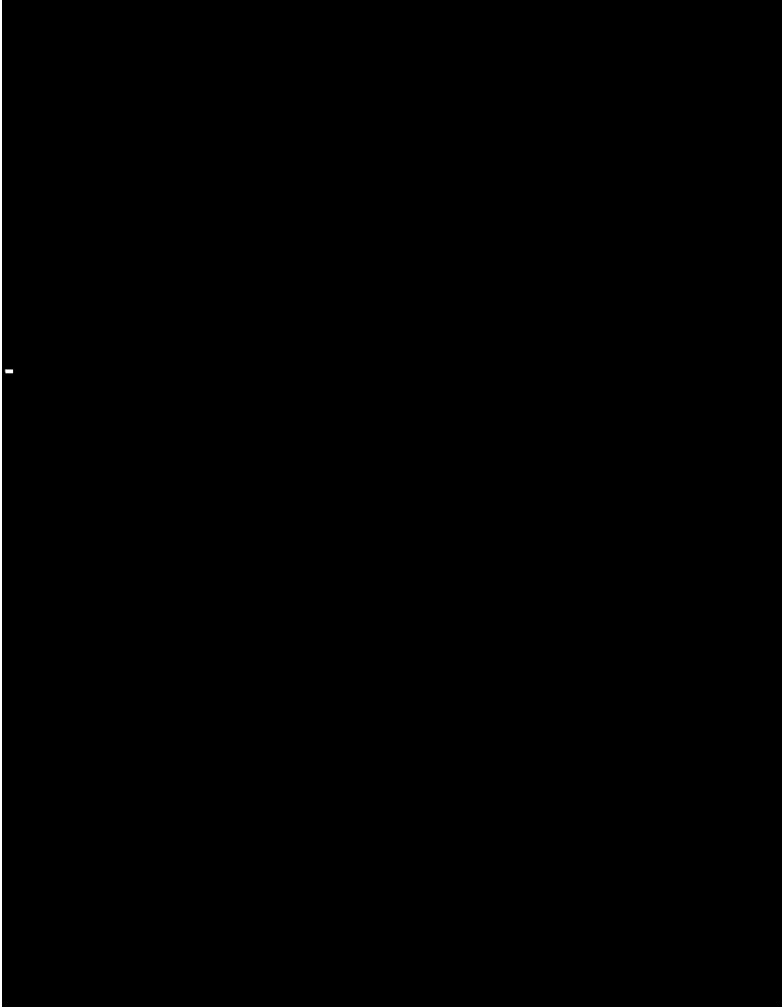
Audio So

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firm.





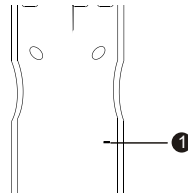
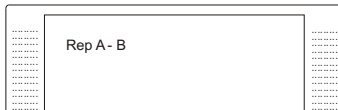
PSCAN



Repeat the section A-B

1 To repeat playback of a desired section:

- 1) Press the A-B  button at the beginning of the desired section, "A".
- 2) Press the A-B  button again at the end of the desired section, "B".



The player will repeat playback of the section from A to B.

Press the A-B  button again to cancel the function and return to normal play.

NOTE

- A-B repeat depends on different disc's production format, some DVD discs do not allow repeat function.
- A-B function does not apply to MP3 disc.
- The period between A and B should be at least 3 seconds.

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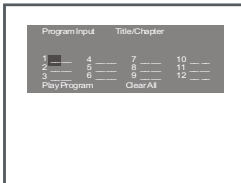
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1076 1076 1076 1076
1076 1076 1076 1076



Program setting

Program to play a DVD, CD and MP3 disc in a desired sequence automatically. In "STOP" mode,

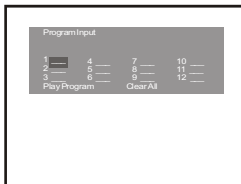
DVD program menu



Load a DVD disc.

- ❶ Press the **PROG** button, the DVD program menu will appear.
- ❷ Use numeric key pad to input the Title number and the Chapter number. Repeat step ❷ until programming is completed.
- ❸ Highlight "Play Program", to start the program. Highlight "Clear All", to clear all input. Press **ENTER** button to confirm.
- ❹ Press **PROG** button to exit the program menu.
- ❺ Press **PROG** button to cancel the program.

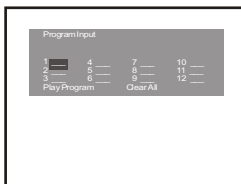
CD program menu



Load a CD disc.

- ❶ Press the **PROG** button, the CD program menu will appear.
- ❷ Use numeric key pad to input the Track number. Repeat step ❷ until programming is completed.
- ❸ Highlight "Play Program", to start the program. Highlight "Clear All", to clear all input. Press **ENTER** button to confirm.
- ❹ Press **PROG** button to exit the program menu.
- ❺ Press **PROG** button to cancel the program.

MP3 program menu



Load a MP3 disc.

- ❶ Press the **PROG** button, the MP3 program menu will appear.
- ❷ Use numeric key pad to input the Track number. Repeat step ❷ until programming is completed.
- ❸ Highlight "Play Program", to start the program. Highlight "Clear All", to clear all input. Press **ENTER** button to confirm.
- ❹ Press **PROG** button to exit the program menu.
- ❺ Press **PROG** button to cancel the program.

NOTE

- Some DVD discs do not allow programming.
- Single track disc cannot be programmed.

FUNCTION BU

Return

Mark

Note:

All the marksa

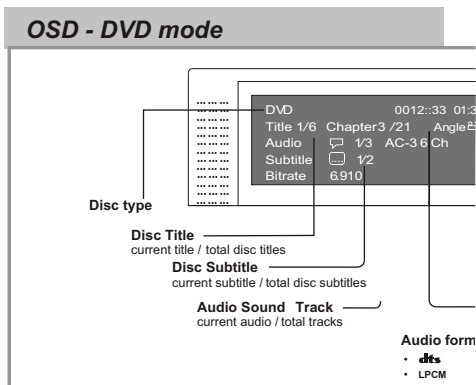
Clear

Downlo

Press OSD button .
 an On Screen Display (OSD) indicator will be displayed
 at the upper part of the TV screen in displaying the disc
 information and operation status.

The OSD indicator will remain on screen until pressing
 the OSD button to turn it off.

The OSD
 designed
 When a d
 the OSD i



MP3 mode

The screenshot shows the MP3 mode interface with the following elements:

- Current folder:** Mp3
- Disc T track:** 2/133 (current track / total tracks)
- Playback time:** 00:02:43
- Track List:**

| | | | |
|---|-----|----|-----|
| 1 | 001 | 6 | 006 |
| 2 | 002 | 7 | 007 |
| 3 | 003 | 8 | 008 |
| 4 | 004 | 9 | 009 |
| 5 | 005 | 10 | 010 |
- File: 002** (highlighted track)
- Playing track highlight:** A horizontal bar below the track list.
- Playing track file information:** (Information provided by the disc)

Selection highlight
(Press **ENTER** button to play this track)

Auto playback
The player will load the MP3 disc and auto start to playback from track one till the last track of the root directory.

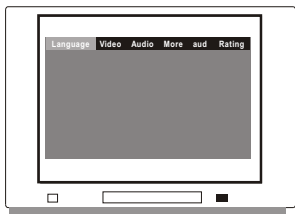
Select a track
Press **ARROW** button to highlight the desired track, and switch between folder and pages.
Press **ENTER** button to play the selected track.


Playing track file information
You may add the information of the MP3 file while you create the disc, e.g. artist, song name and date etc.,. Those information of the playing track will be display at the lower part of the screen.

SETUP

Various features of the player can be adjusted in the SETUP menu:

Press **SETUP**  button
SETUP menu appears.



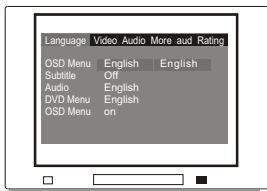
Highlight the desired icon Press **ENTER**  button to activate the setting sub menu.

Language

Enter this menu to set up the language in OSD display, DVD disc subtitle, DVD disc audio and DVD disc start menu.

Press **SETUP**  button


Highlight "Language",
 Press **ENTER** , Language sub menu appears.



Highlight the desired item and press **ENTER** button,

Highlight the desired item,

Press **ENTER**  button to confirm.

Press **SETUP**  button to save the setting and quit.

Default setting

| | | |
|----------|---|---------|
| OSD Menu | : | English |
| Subtitle | : | Off |
| Audio | : | English |
| DVD Menu | : | English |

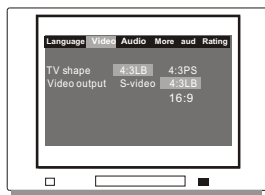
Video

Enter this menu to set up the video setting

Press **SETUP**  button

Highlight "Video",


Press **ENTER** , Video sub menu appears.



Highlight the desired item and press **ENTER** button,

Highlight the desired item,

Press **ENTER**  button to confirm.

Press **SETUP**  button to save the setting and quit.

Default setting

| | | |
|-----------|---|---------|
| TV Shape | : | 4:3 PS |
| Video out | : | S-VIDEO |

TV screen

The aspect ratio of the picture provided by the DVD player can be varied in line with the features available on the TV in use.

4:3 Letter Box

Allow you to see movies in their original aspect ratio. Entire frame of the movie will be display on screen, but it will occupy a smaller portion of the screen.



4:3 Pan Scan

The signal will fill the screen with the centre of the picture. The left and right edge of picture may be cut outside range of the screen.



16:9 Wide Scr

When you connect to a wide screen TV, this setting will allow the original aspect ratio will be display full screen.



NOTE



Depending on the DVD disc format, e.g. 2.35:1, the wide screen setting may still having black margins above and below the picture.

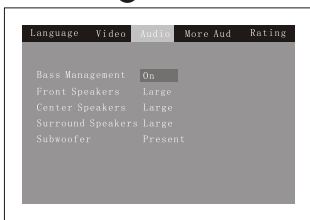
 **Audio (digital audio)**



Enter this menu to setup the digital audio output format of different signal type. The selectable output formats are PCM or Raw.

Press **SETUP**  Button

Highlight "Audio",

Press **ENTER**  , Audio sub menu appears.



Highlight the desired item and press **ENTER** button,
 Highlight the desired item,
 Press **ENTER**  button to confirm.
 Press **SETUP**  button to save the setting and quit.

NOTE:

If the digital output is set in "RAW" mode, there will be no analog output for DTS bitstream

More Aud

Enter this menu to setup the digital audio output of different signal type.

In "STOP" mode, press **SETUP**  button.

Highlight "More Aud"

Press **ENTER**  , More Audio sub menu appears.

Highlight the desired item and press "ENTER" button.

Highlight the desired item.

Press **ENTER**  button to confirm

Press **SETUP**  button to save the setting and quit.

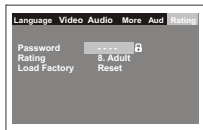
 **Rating**


Enter this menu to setup the rating level of the player. The player will require a password to play any disc with rating level higher than the setting.

Press **SETUP**  button

Highlight "Rating",

Press **ENTER**  button, Rating sub menu appears.




Highlight "Password" selection, input the 4 digits password (0000), Press **ENTER**  button. The rating lock release.

Highlight "Rating",
 Repeatedly pressing **ENTER**  button to change the setting:

1. Kid Safe 5. PG_R
2. G 6. R
3. PG 7. NC_17
4. PG_13 8. Adult


Highlight "Password" selection,

Press **ENTER**  button to lock.

Press **SETUP**  button to save the setting and quit.

TROUBLE SHOOTING

Should your DVD player develop a problem, please check below before requesting service:

| Symptom | Check and Action |
|---------------------------|--|
| No Power | <ul style="list-style-type: none"> • Check if the power cord has been properly connected to the power outlet. • Check if the main power has been switched on. |
| Does not play | <ul style="list-style-type: none"> • No disc, load a disc. • Disc has been loaded upside down. Place the disc with the label side up. • Disc's region code does not match to the player. • Disc is not correct type for player. • Disc is damaged or dirty, clean the disc or try another disc. • Moisture may be condensed inside the player. Remove the disc and leave the unit power on for one or two hours. |
| No Picture | <ul style="list-style-type: none"> • Check if the TV set has power on, use TV remote to select A/V signal for DVD rather than broadcast. • Check if the system connection is proper and secure. • Check if the connection cables are damaged. • Clean the disc. |
| Picture noise / distorted | <ul style="list-style-type: none"> • The disc is dirty or damaged. Clean the disc or try another disc. • Reset the color system of the player or the TV set. • Try to direct the player to the TV set instead of via other components, such as a VCR. |
| Picture not full screen | <ul style="list-style-type: none"> • Select the screen format from the player's SETUP MENU, see "SETUP MENU" of this manual. • Select the screen format from DVD disc menu. |
| Malfunction | <ul style="list-style-type: none"> • Should the player develop a malfunction, unplug the player for 30 minutes. After 30 minutes, power on the player and the restore function should reset the player. |
| No sound | <ul style="list-style-type: none"> • DTS disc used. Press the remote control "LANGUAGE" button  and re-select the audio setting on the remote. |



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

| Symptom | Check and Action |
|---------------------------------------|---|
| Cannot SKIP or SEARCH | <ul style="list-style-type: none"> Some discs are programmed that do not allow users to SKIP or SEARCH at some sections, especially at the beginning WARNING section. Single Chapter disc cannot apply SKI P function. |
| No sound or sound output not complete | <ul style="list-style-type: none"> Check if the TV and Amplifier have been switched on, and correctly set. Check if the TV and Amplifier system connection is secured. Press AUDIO button to select other audio tracks output of disc. Check if the MUTE function of the TV or Amplifier has been activated. There will be no sound output during P AUSE / STEP / SLOW and SEARCH. |
| No surround sound | <ul style="list-style-type: none"> If digital output has been applied: <ul style="list-style-type: none"> Press SETUP button Highlight "AUDIO" Highlight "Digital Out" Select RAW or PCM Press SETUP button Power on the amplifier or active type loudspeakers. |
| MP3 disc no sound or noisy | <ul style="list-style-type: none"> When PC program files or other data files are mixed with MP3 files in the same disc, the player may play the non-MP3 files with noise or no sound. Check the disc, if all the files on disc are MP3 files Skip the file, try other files. |
| Remote control does not function | <ul style="list-style-type: none"> Remove the obstacles between the remote control and the player. Point the remote control towards the remote sensor on the player. Check if the batteries of the remote control have been loaded with correct polarities. Replace the batteries of the remote control. |

SPECIFICATIONS

| | |
|--------------------|--|
| Type of Disc | DVD CD-DA CD-MP3 Kodak Picture CD CD-R / CD-RW |
| Audio Format | MPEG 1, LAYER 1, LAYER 2 , LAYER 3 |
| Signal Output | Audio System: DTS digital output Audio DAC 16bit/48KHz Video Output: 1 Vpp (at 75 ohm) Audio Output: 2 Vpp |
| Frequency Response | CD: 4Hz 20KHz (EIAT) DVD: 4Hz 22KHz (48K) 4Hz 44KHz (96K) |
| S/N ratio | > 92 dB |
| THD | < 0.04% |
| Output Terminals | Video (composite) output X 1 S-Video output X 1 5.1ch output X 1 Digital coaxial output X1 Digital Optical output X1 YPbPr output X 1 |
| Power input | 90-240V 50-60Hz 25W |

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