

DVD/CD/MP3 PLAYER

DVD-224

USER'S MANUAL



Please read this manual before connection and use.

English

SAFETY INFORMATION

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



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.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within 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 operation and servicing instructions in the literature accompanying the appliance.

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

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

IMPORTANT SAFEGUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operation and using your video product.

Installation

1. Read and Follow Instructions- All the safety and operation instructions should be read before the video product is operated. Follow all operating instructions.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed all Warnings-Comply with all warnings on the video product and in the operating instructions.
4. Polarization- This video product is equipped with a polarized alternating - current line plug . This plug will fit into the power outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.
5. Power Sources- This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
6. Overloading- Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicated damage or deteriorated insulation, have it replaced by your service technician.
7. Power-Cord Protection- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.
8. 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 video product on a bed, sofa, rug, or heat register. This video product should not be placed in a built-in installation such as a book case or rack, unless proper ventilation is provided or the video product manufacturer's instructions have been followed.
9. Attachments- Do not use attachments unless recommended by the video product manufacturer as they may cause hazards.
10. Water and Moisture- do not use this video product near water for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like. Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear safety certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any

danger and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

11. Accessories- Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult as well as serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer's or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use of a mounting accessory recommended by the manufacturer.
12. A video product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and cart combination to overturn.
Note to CATV system installer
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
13. 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 built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984 (Section 54 of Canadian Electrical Code, Part1) 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.
14. 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.

Use

15. Cleaning- Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 16. Objects that may touch dangerous voltage points or "short-out" parts could result in a fire or electric shock. Never spill liquid of any kind on the video product.
 17. Lightning-For added protection for this video 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.
- ### Service
18. Servicing-Do not attempt to service this video product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
 19. Conditions requiring service-unplug this video product from the wall outlet, refer servicing to qualified service personnel under the following conditions:
 - A. When the power-supply cord or plug is damaged.
 - B. If liquid has been spilled, or objects have fallen into the video product.
 - C. If the video product has been exposed to rain or water.
 - D. If the video does not operate normally by following the instruction manual..
Adjust only those controls that are covered by operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - E. If the video product has been dropped or cabinet has been damaged.
 - F. When the video product exhibits a distinct change in performance-this indicates a need for service.
 20. Replacement Parts-When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the video product manufacturer can prevent fire, electric shock, or other hazards.
 21. Safety Check-Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.
 22. Wall or Ceiling Mounting- The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
 23. Heat-The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that products heat.

FEATURES

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

TV format:

PAL / NTSC color system
4:3 / 16:9 screen format select

Video output:

Composite Video output
S-Video output
Component Video(Y Cb Cr) output

Audio output:

Down-mix stereo output
Digital audio output (coaxial)
Dolby Digital output
DTS Digital output

DVD features:

Multi Subtitle select
Multi Language select
Multi Angle select

Other features:

On screen display menu
Digital zooming
Slow motion
Parental control
Auto screen saver
JPEG picture view

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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.



The player has built in copyright
protection technology that
prevents copying from a DVD
disc to any media.



If a video recorder is connected to
the player, the video output image
will be distorted during recording.

INTRODUCTION

About DVD






DVD (Digital Versatile Disc) is a digital video medium under the MPEG II format, featuring a variety of revolutionary entertainment capabilities. The MPEG II video compression technology provides capacity for an excellent picture of minimum 500 lines resolution on screen, up to 8 language soundtracks, up to 9 views from different camera angles and up to 32 language subtitles (provided by the DVD disc itself which supports these features).

Disc information

Disc types	DVD	CD
Decoding Method	Digital / MPEG II	Digital
Capacity	Single-layer / Single side 4.7GB = 2 hr Single-layer / Double sides 8.5GB = 4 hr Double-layers / Single side 9.4GB = 4.5 hr Double-layers / Double sides 17GB = 8 hr	650MB = 74min
Disc size	12cm / 8cm	12cm / 8cm
Horizontal Resolution	500 lines up	-
Sub-titles	32	-
Sound tracks	8	1
Symbol		

DVD features symbols

Each DVD disc contains various features depending on production of the disc. Below are some of the symbols representing the features:

-  Number of Audio Tracks
-  Screen Format
-  Number of Subtitles
-  Zoom
-  Angle Indicator



The player has built in copyright protection technology that prevents copying from a DVD disc to any media.

If a video recorder is connected to the player, the video output image will be distorted during recording.

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.

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

Video disc contains high-density compressed data that needs proper handling

- 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.

INTRODUCTION

This player is compatible to the following disc types:

DVD single sided / double sided
single layered / double layered

CD-DA

CD-MP3

CD-R / CD-RW*

PICTURE CD

***NOTE:** Some PC application files on CD-R or CD-RW CANNOT be accepted by the unit, e.g. CD-ROM under PC Windows, etc. (CD-R / CD-RW writing format may be different, some discs are not acceptable)

About MP3

MP3 (MPEG 1, Audio Layer 3) is a digital audio format for quick downloading files that sound as good as CDs. MP3 uses entropy encoding to reduce the number of redundant sounds in an audio signal to a minimum. It takes music from a CD and reduces it by a factor of 12, with no noticeable loss of quality. On a normal CD of 74 minutes you can store over 130 songs.

Disc information

Sampling rate should be 44.1 kHz and bit rate is recommended within the range from 128 Kbps to 256 Kbps, in order to achieve the best performance. In general, higher quality settings result in larger file sizes.

MP3 Format

Sampling rate	Bit rate	Quality
44.1 kHz	56 Kbps	↓ FM Radio Quality ↓
44.1 kHz	64 Kbps	
44.1 kHz	80 Kbps	
44.1 kHz	96 Kbps	
44.1 kHz	112 Kbps	↓ Near CD Quality ↓
44.1 kHz	128 Kbps	
44.1 kHz	160 Kbps	Good CD Quality ↓
44.1 kHz	192 Kbps	Better than CD Quality ↓
44.1 kHz	224 Kbps	↓ Studio Quality
44.1 kHz	256 Kbps	

No-play disc

The following discs are **NOT** acceptable by the DVD player:

- DVD disc with region code that does not match the player's region code (Check the disc's region code printed on the disc packing. Region code "ALL" will be acceptable by all players.)
- Some DVD discs that were purchased outside the application country
- PC application on CD-R/CD-RW
- CD-ROM for PC interface only
- CD-MP3 under Windows format
- MP3 CD-R/CD-RW of not proper format (see "Tips for making a good MP3 CD" below)

Tips for making a good MP3 CD

- Use good quality CD-RW disc, CD-R Gold Ultima is recommended. Up to 650 MB (74-minute CD) of MP3 files can be recorded.
- Select a high quality CD Recorder (Writer). HP CD-Write+9200 is recommended.
- Select an advance CD burning software. Easy CD Creator 4.0 or higher version is recommended.
- MP3 is data and not WAV information as such Mode 1 must be selected when compiling and burning your discs.
- Drag and drop (Direct CD) must not be used to compile the disc. The player will not recognise this format.
- Only single session recordings can be used. Multi session recordings are not recognised and will not be played
- Select Data CD Project (software user interface), file system should comply with the standard of ISO 9660 or Joliet. OR select MP3 CD Project for convenience operation (available in Easy CD Creator 5.0)
- It is advised to "finalize" the CD after burnt.

INTRODUCTION

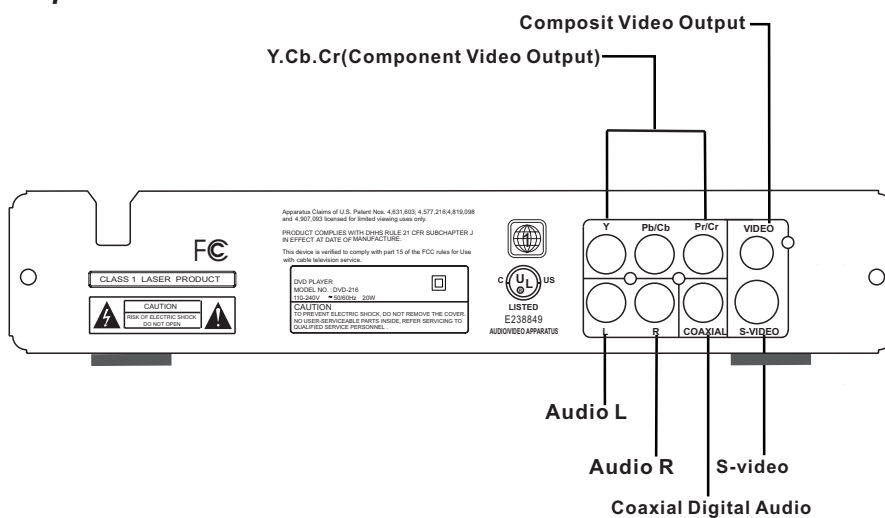
About the player

Front panel

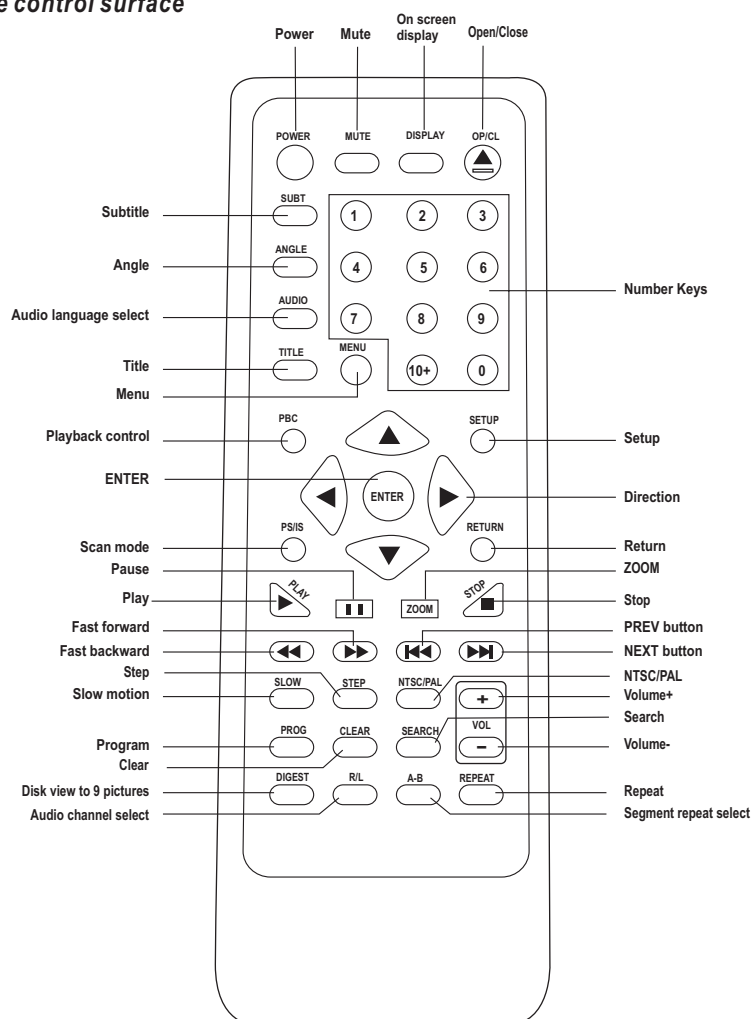


- 1.Disc tray
- 2.Remote control receiver
- 3.Power button
- 4.Stop button
- 5.Play/pause button
- 6.Open/close button
- 7.Power standby indicator

Rear panel



Remote control surface

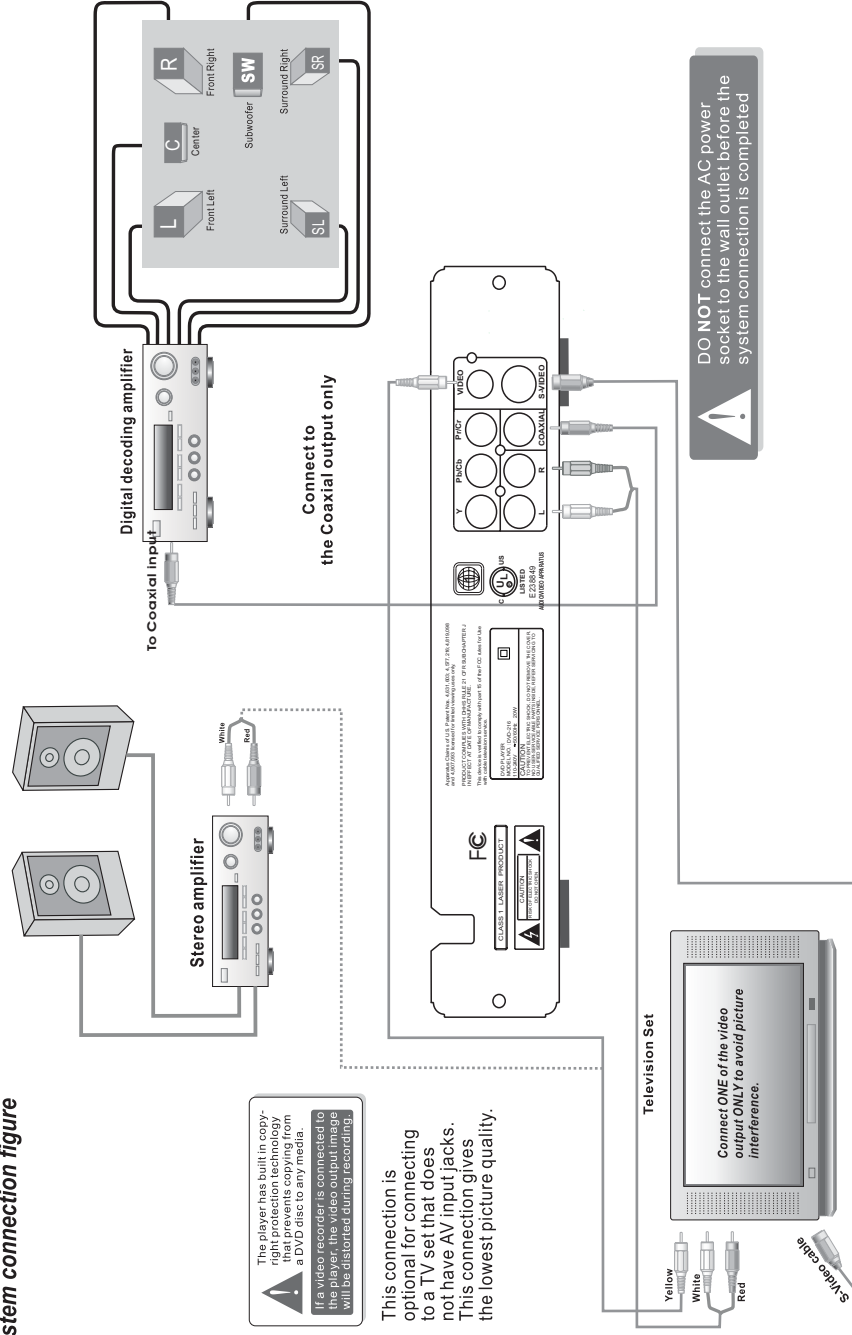


Notes

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.

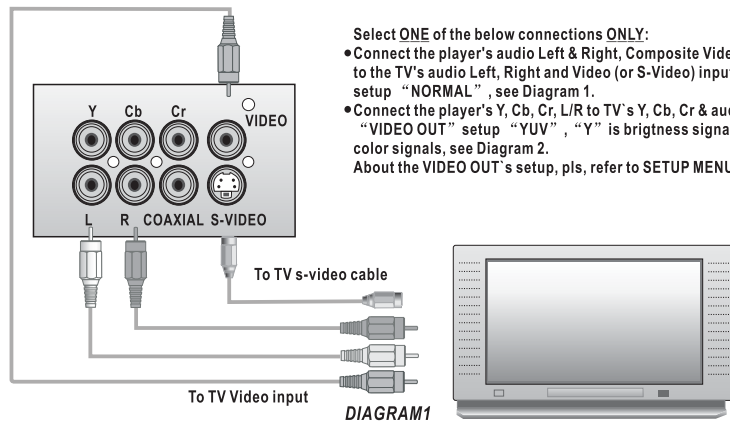
SYSTEM CONNECTION

System connection figure



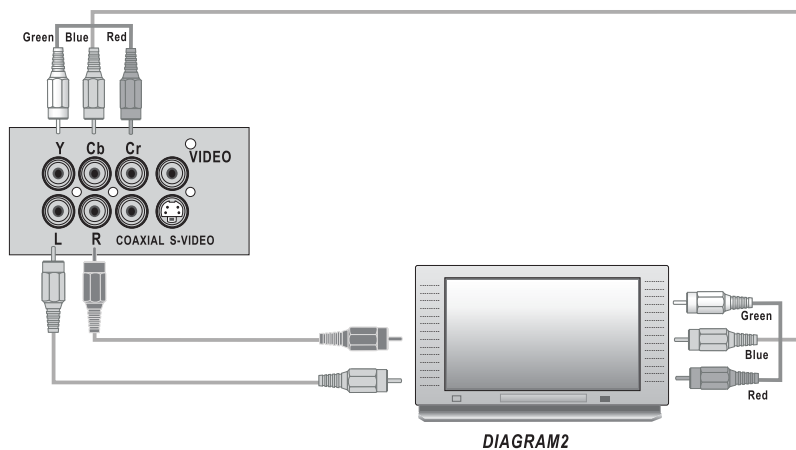
SYSTEM CONNECTION

System connection to a TV set



Select **ONE** of the below connections **ONLY**:

- Connect the player's audio Left & Right, Composite Video (or S-Video) outputs to the TV's audio Left, Right and Video (or S-Video) inputs. "VIDEO OUT" setup "NORMAL", see Diagram 1.
 - Connect the player's Y, Cb, Cr, L/R to TV's Y, Cb, Cr & audio L/R inputs. "VIDEO OUT" setup "YUV", "Y" is brightness signal, "Cb" & "Cr" color signals, see Diagram 2.
- About the VIDEO OUT's setup, pls, refer to SETUP MENU page17.



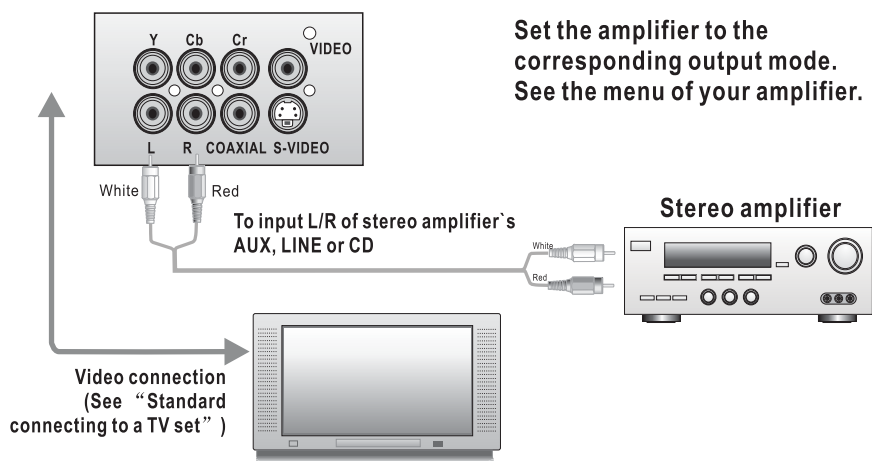
NOTE Connect **ONE** of the above options **ONLY**, to avoid picture interference.

- 1 The player is equipped with composite A/V outputs at the rear of the player. Your TV will require at least one set of A/V inputs. The patch cord supplied with the player will connect your player's A/V output to your TV's inputs.
- 2 Please remember to push the "Line" or "Input" or "Video/TV" button on your TV remote to view the DVD signal. Depending on your brand of TV, this button will have a different name for the same function, as per the examples above.

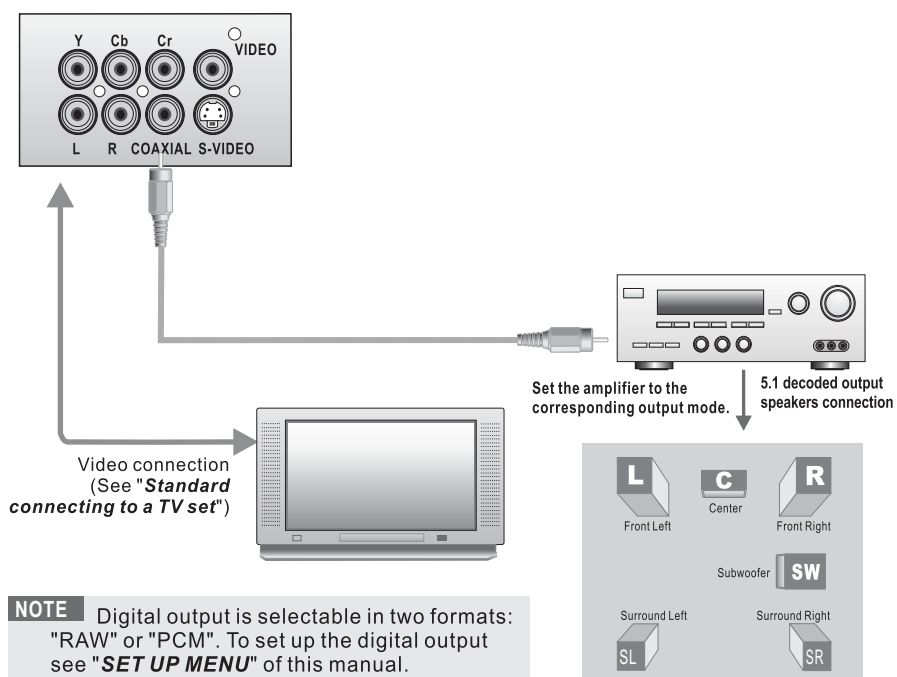
- That function will allow the TV to be switched from broadcast reception mode to one of the A/V signals, your TV should have more than one A/V Input.
- 3 The player is equipped for stereo playback. To fully realize 2 channel sound, a Stereo TV or A/V receiver is necessary. However, a Mono TV may be used providing the TV one set of A/V Inputs. The A/V inputs on a Mono TV will only include one Audio Input for Mono sound. You may connect either the Left or Right audio channel from the DVD Composite audio out to the mono TV audio input.

SYSTEM CONNECTION

Audio connecting to a stereo Amplifier



Digital audio connection to a digital Amplifier

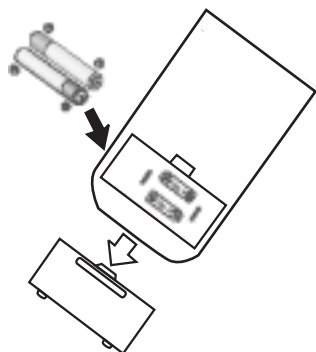


GETTING STARTED

- 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.

Loading batteries to the remote control

- Remove the battery compartment cover.
- Load two AAA (UM-4 or R03) 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 direct 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.

Switch on the player

Press the main power switch on the DVD player.
Power on the TV set, and the amplifier if connected.

Set up the system

Select the corresponding setting of the TV set (AV1, AV2, S-Video, DVD etc.).

For VCR or RF modulator connection, select the corresponding turned channel until the DVD screen appears.

If amplifier has been connected, select the corresponding output mode.

Load a disc

Press OPEN/CLOSE button  on the remote control (or front panel) to eject the disc tray. Load a disc, label side up, onto the disc tray and press OPEN/CLOSE button.

Automatic playback

The unit will take a few seconds to load the disc's initial data, display the disc type logo on the left upper corner on screen, and then start playing back automatically.

NOTE Normally, when a MP3 disc is loaded, the player will take longer time to load.

If a DVD disc menu appears on screen



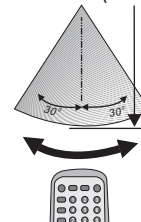
Press PLAY button on the remote (or on the unit) to start playing.



Press the ARROW buttons to select the desired feature in the menu. And then press SELECT button to confirm a selection in the menu.



Remote sensor Within approximately 6 meter (20 feet)



GETTING STARTED

Problem disc messages

The following message will display on screen when there is a format problem with the loaded disc:

“WRONG REGIONAL DISC”

Region code of the disc is not matching to the player's region code (region 1 to region 6).

“WRONG PASSWORD”

The rating level of the disc is higher than the rating level setting of the player.

The player will not play the disc.

“WRONG DISC”

The player is equipped with automatic disc quality detection software. When the player detects a problem disc or a damaged disc, the player may keep playing the disc at lower quality or stop playing, depending on the damaged level of the disc.

Production qualities of DVD discs vary, some discs might deviate from the industrial standard. Some incorrectly formatted discs may playback on the player. However, the playback and operational quality of those disc may be substandard.

DTS DISC

For DTS digital audio stream only
No analog audio output.

This player does not have a DTS decoder built-in. It may result in no analog audio output if you select DTS sound output.

- Make sure you select Dolby 5.1 or 2 channel down mix instead of DTS setting .
- Connect the digital audio output (coaxial) to a digital amplifier, in order to enjoy DTS audio system.

Power management

If the player will not be in use for a long time, unplug the player for personal safety.

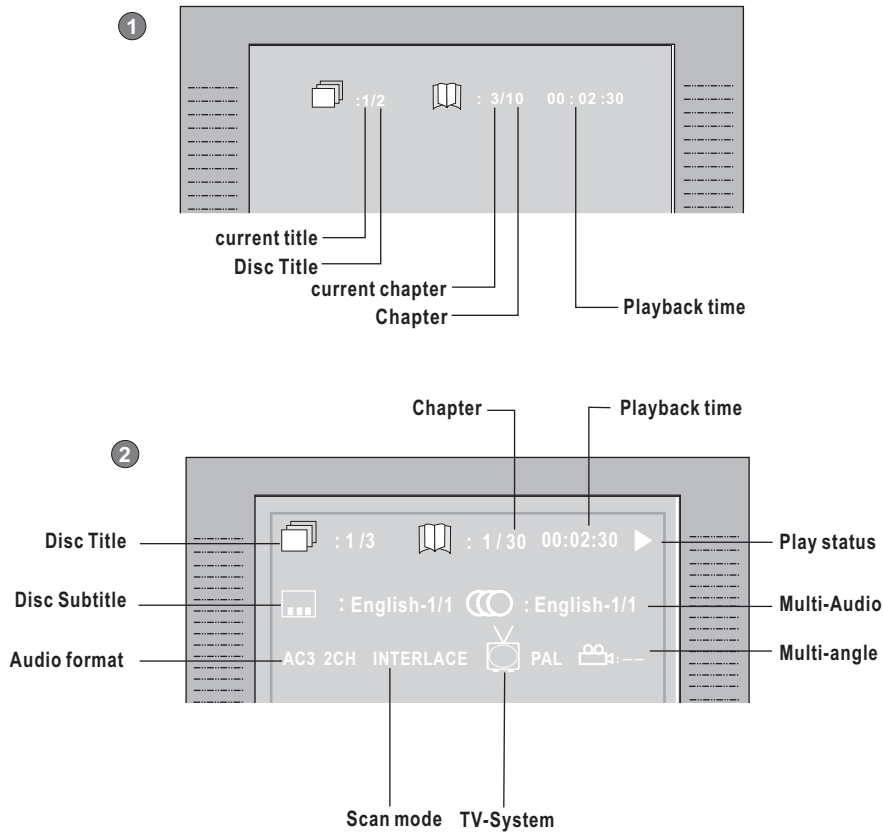
ON SCREEN DISPLAY

An On Screen Display (OSD) indicator will be displayed at the upper part of the TV screen when certain functions are executed, or when pressing the DISPLAY button on the remote control.

The OSD indicator is a user friendly interface designed to display the status of playback type. When a different disc is loaded (DVD, CD, MP3) ; the OSD indicator bar will be different.

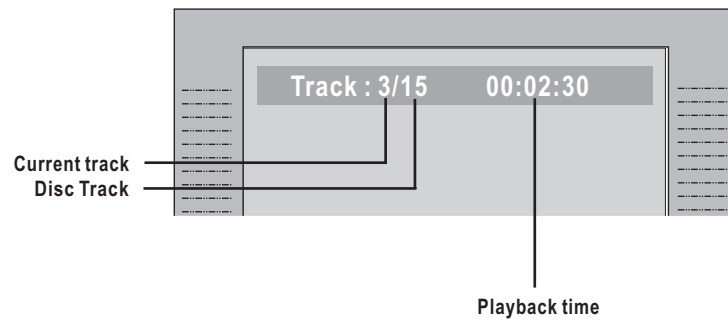
The OSD bar will appear automatically if it is activated by pressing the DISPLAY button. Press the DISPLAY button again and a new status bar will appear. Press DISPLAY button a third time and the OSD bar will disappear. When OSD indicator bar appears, press other button, the OSD indicator bar will disappear automatically.

DVD mode - OSD

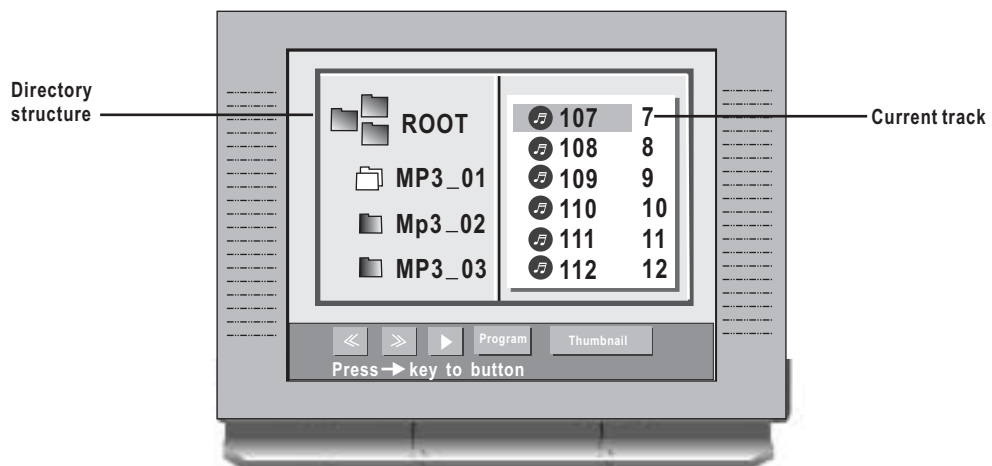


ON SCREEN DISPLAY

CD mode - OSD



MP3 mode - OSD



FUNCTION BUTTONS



Press DISPLAY button.
To show the time and status information.

Open/Close disc tray



To open and close the disc tray.
Press OPEN button on the front panel or the remote.

Play/Pause/Stop



Press PLAY button to play the disc.



Press PAUSE button to pause(still Picture).



Press PLAY button to resume normal playback.



Press STOP button to stop in two modes.
a) Press STOP button Once. STOP menu-izes the interrupt position and the OSD Shows "prestop". Resume play by pressing PLAY button.
b) Press STOP button Twice to completely Stop disc. the OSD shows "STOP" And the PLAY button will resume disc.

Skip Forward / Backward



Press button skip advance DVD chapter or CD track.



Press button skip backward DVD chapter or CD track.

NOTE

Player will not skip forward or backward during "WARNING" section of a DVD disc.

Single chapter DVD or single track CD cannot skip.

Fast forward/backward



Press button to fast forward through the disc. Repeatedly pressing the button;

Normal → X2 → X4 → X8 → X16 → X32



Press button to fast backward through the disc. Repeatedly pressing the button will increase the search speed.

Normal → X2 → X4 → X8 → X16 → X32



Press PLAY button to resume normal playback.

NOTE

The player is muted in fast forward or fast backward this mode.
Player will not fast forward or fast backward during WARNING section of a DVD disc.



The player is muted in SLOW mode.

Press SLOW button to play at slow motion. Repeatedly pressing the button will decrease the slow speed.

Normal → X1/2 → X1/4 → X1/8 → X1/16 → X1/32

DISC TITLE / MENU

MENU



While playing a DVD.
Press the MENU button return to the DVD disc start menu.



Press PLAY button to resume play from where you previously stopped it.

TITLE



While playing a DVD, press the TITLE button return to the beginning of the DVD disc.

NOTE

Some DVD disc refuse the TITLE function.

FUNCTION BUTTON

Select an item in menu

In a DVD disc start menu or in the player's setup menu.



Press **DIRECTION** button to highlight function icons.



Press **ENTER** button to confirm a selection.

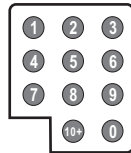


Press **CLEAR** button to cancel an entry.



Press **RETURN** button returning to the upper level menu.

Numeric Key Pad (Random Program access)



- 1) To direct access a DVD Chapter or a CD track, input the desired DVD Chapter or CD Track number using the numeric key pad.
- 2) Input data for the DVD disc start menu or the player's setup menu.

NOTE Some DVD disc's do not allow direct access function.

MUTE



Press **MUTE** button to select mute on or mute off.

Search a desired section

To search for a desired Title, Chapter, Time or Track.

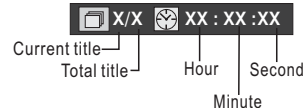
SEARCH



In DVD mode pressing the **SEARCH** button once appear



pressing the **SEARCH** button twice appear



Press **ENTER** button to execute the search.

NOTE

Some DVD discs and MP3 disc do not allow Search function. Search does not function during program play.

Repeat section A-B

To repeat playback a specific section of a disc.



Press the **A-B** button at the starting point of the desired section. "A" display on screen.



Press the **A-B** button again, at the end of the desired section, "A-B" display on screen. The play will start repeat playback the desired section A to B until the function is cancelled.



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

NOTE

Some DVD discs do not allow A-B function. Repeat A-B do not apply to MP3 disc.

Repeat

Repeatedly playback desired Title, Chapter or Track.

REPEAT



Press **REPEAT** button repeatedly to select the repeat mode.

In DVD mode

REP.CHAPTER	Repeat chapter
REP.TITLE	Repeat title
REP.DISC	Repeat all disc
REP.OFF	Repeat off

In CD mode

REP.TRK	Repeat track
REP.DISC	Repeat disc
REP.OFF	Repeat off

In Mp3 mode

REP.TRK	Repeat track
REP.DISC	Repeat disc
REP.OFF	Repeat off

NOTE

Some DVD disc's do not allow REPEAT function.

Multi - Angle / Subtitle / Audio

- ANGLE** While playback a DVD disc
Press ANGLE button repeatedly to select the desired camera angle. A DVD disc may contain up to 9 selectable camera angles.
- SUBT** While playback a DVD disc. Press SUBTITLE button repeatedly to select the desired subtitle. A DVD disc may contains up to 32 selectable subtitles.
- AUDIO** While playback a DVD disc, Press AUDIO button repeatedly to select the desired audio sound track. A DVD disc may contains up to 8 selectable audio sound tracks.

NOTE

DVD disc start menu may contains set up of Angle, Subtitle and Audio soundtrack selection. You may do the selection in the disc start menu.

Volume Up / Down

- While playback a disc.
Press the VOLUME button- or + to adjust the volume output.
Volume level will display on screen.

VOLUME 16

Volume level control do not apply to digital audio output level when DVD disc playing.

ZOOM

- PLAY DVD**
Press the ZOOM button repeatedly
TV Screen display:
ZOOM X2--> ZOOMX 4--> ZOOM OFF

PLAY JPEG

Press the ZOOM button repeatedly
TV Screen display scale:
25%-->50%-->100%-->150%-->200%
While zoom 100%, press direction button to rotate picture.
While zoom 150%.200%,press direction button to move picture position.

NOTE

The picture quality is degraded as the picture increased.

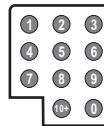
SETUP

- SETUP** Press the SETUP button to enter the player's setup menu.
Setup menu is a facility for the owner to adjust the detail setting of the player.
For the detail of Setup menu see "SET UP MENU" of this instruction manual.

PROGRAM

To program play a disc in a desired sequence.

- PROG** In PBC off mode, Press PROG button, to enter the program menu.



ENTER



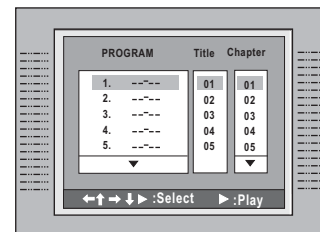
CLEAR

PROG

In DVD mode

When the program menu appears input the Title button , press ENTER.
Then input title Chapter number, press ENTER button. When the programming is completed.

- (PLAY) --- Press PLAY button to start program play.
(CLEAR) --- Press CLEAR button if you want to cancel the wrong information you input. Press CLEAR again to cancel all the tracks.
(PROG) --- Press PROG button to quit the program menu.






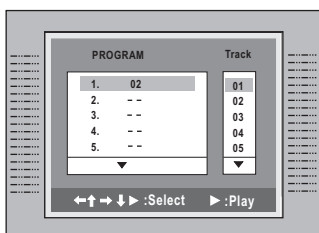
In CD mode

When the program menu appears, input the Track number, press ENTER , when the programming is completed.

ENTER

FUNCTION BUTTON



-  (PLAY) --- Press PLAY button to start program play.
-  (STOP) --- Press twice STOP button to quit the program mode.
-  (CLEAR) --- Press CLEAR button if you want to cancel the wrong information you input before or cancel the desired track. Press CLEAR again to cancel all the tracks.

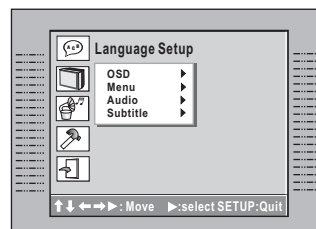
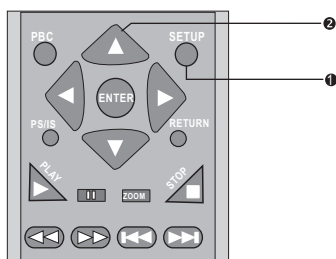


NOTE Some DVD disc do not allow program setting. Single track disc cannot be programmed, MP3 disc cannot be programmed.

SETUP MENU




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

1. Press SETUP button  SETUP menu appears.
2. Press the UP/DOWN button  to highlight the desired menu.



NOTE Do not move any bar to select item, please make sure the mode is in stop mode.

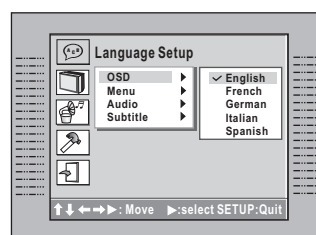
LANGUAGE MENU

In STOP mode, press SETUP button  highlight Language.
Press UP/DOWN button 
Press ENTER button, the screen displays sub-menu.
Press UP/DOWN button to highlight the desired item in the LANGUAGE.
Menu “ : ”
Press  to confirm your selected item.

OSD → **ENGLISH**
FRENCH
GERMAN
ITALIAN
SPANISH

Select the players OSD .
Press  to confirm the selection.
Press SETUP button  to quit.

Default setting **ENGLISH**



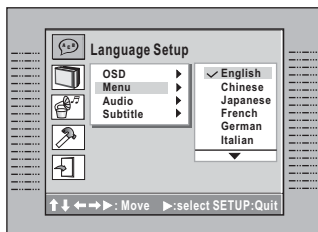
SETUP MENU (Press SETUP button)

LANGUAGE MENU (continued)

MENU → ENGLISH
CHINESE
JAPANESE
FRENCH
GERMAN
ITALIAN
SPANISH
PORTUGUESE
INDIAN
THAI
RUSSIAN
KOREAN
OTHERS

Select the disc language setting.
Press **ENTER** to confirm the selection.
Press **SETUP** button to quit.

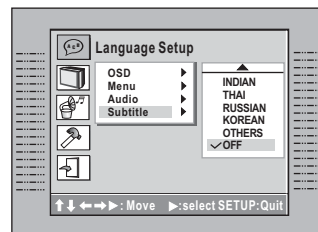
Default setting **ENGLISH**



SUBTITLE → ENGLISH
CHINESE
JAPANESE
FRENCH
GERMAN
ITALIAN
SPANISH
PORTUGUESE
INDIAN
THAI
RUSSIAN
KOREAN
OTHERS
OFF

Select the disc subtitle setting.
Press **ENTER** to confirm the selection.
Press **SETUP** button to quit.

Default setting **OFF**

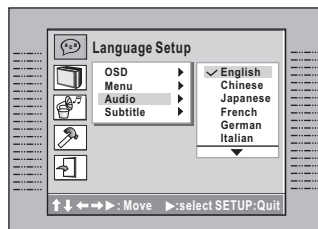


AUDIO

Select the disc audio setting.
Press **ENTER** to confirm the selection.
Press **SETUP** button to quit.

AUDIO → ENGLISH
CHINESE
JAPANESE
FRENCH
GERMAN
ITALIAN
SPANISH
PORTUGUESE
INDIAN
THAI
RUSSIAN
KOREAN
OTHERS

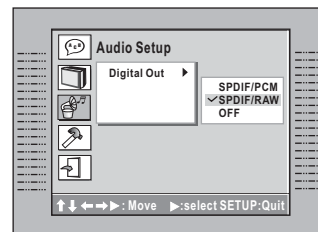
Default setting **ENGLISH**



AUDIO SETUP

In STOP mode. Press **SETUP** button to highlight AUDIO SETUP.
Press **ENTER** to enter next sub-menu.

OUTPUT



Press **ENTER** to confirm the selection, or
Press **SETUP** button to quit.




Default setting **SPDIF/RAW**

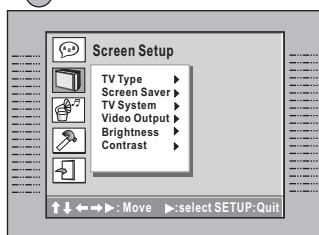
NOTE

When digital output is NOT in use, it is recommended to turn. "OFF" the digital output setting for the purpose on minimizing circuit interference.

SETUP MENU (Press SETUP button)

SCREEN MENU

In STOP mode, press **SETUP** button  highlight **SCREEN SETUP**. Press **UP/DOWN** button   to highlight the desired item in the **SCREEN** menu. Press **ENTER** to confirm the selection.



Adjust TV screen viewable format

TV TYPE → 4:3 PS (Pan Scan)
4:3 LB (Letter Box)
16:9 (Wide Screen)

Default setting 4:3 PS

SCREEN SAVER → ON
OFF

Default setting ON

TV SYSTEM → NTSC
PAL
AUTO

Default setting NTSC

VIDEO OUT → NORMAL
Y Cb Cr

Default setting NORMAL

BRIGHTNESS → NORMAL
BRIGHT
SOFT

Default setting NORMAL

CONTRAST → -4
-3
-2
-1
0
1
2
3
4

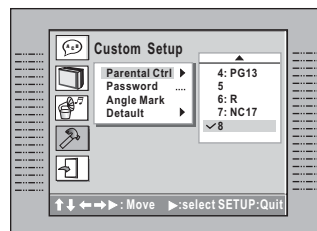
Default setting 0

NOTE

1. Certain DVD disc are formatted in wide screen (16:9) or letter box (4:3) only. Adjusting the setting of the disc player will not alter the screen size for these "Format-only" discs.
2. The PS/IS Button on remote control, in normal status, is ineffective.
3. If the TV without Y Cb Cr function, please do not set from normal to Y Cb Cr.

CUSTOM SETUP

After entering the main menu, choose and confirm "CUSTOM setup" and then the following window will appear on the TV screen.



A) "Parental Ctrl"

There are total eight levels of this control 8 levels as follow: 1.G;2.;3.PG;4.PG13;5.;6.R;7.NC17;8.;

The first level discs are open to people of ever age and eight level only suitable for the adult. If you want to change the Parental ctrl setting, enter the user's age control item and then enter four digital secret code. The default secret code is 8888 (if you are using this player for the first time, just input this code.) If the input code has been confirmed, the level setting up menu will appear. Move the cursor to choose the expected level and press ENTER button to confirm and memory it. Move the cursor to the "ENTER" and press ENTER button to confirm and withdraw to the "User setup" menu or press setup button to directly withdraw from the operation.

B) "PASSWORD"

Move the cursor to the "PASSWORD" item and press ENTER button to confirm and then input the secret code "8888" (if it is the first use). After confirmation, you are required to input new secret code and then press ENTER button to confirm. And re treat to the "Custom setup" interface.

Warning: Please remember the new secret code, otherwise you will not able to change the Parental Ctrl. Please contact the agent or our company once you forget the secret code.

C) "ANGLE MARK", there are "ON" and "OFF" two choice for this item. If in the "ON" mode, when play a disc which the content is multi-angle shot, you may press the ANGLE button on the remote control to enjoy the scene in different angles.

D) "DEFAULT", this is the factory default setting up. When choose "Read", the previous setting up by the user will be cancelled and the player will come to the factory setting up state.

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's rating level is higher than the player's rating level setting • Disc is not correct type for the 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. • Please press OPEN button, then press PROGRAM and ZOOM button to return factory default status.
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 TV set. • Try by connect player direct to the TV set, without via a VCR for example.
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.
Problem message display on screen	<p>Following message will display when there is a problem with the loaded disc:</p> <ul style="list-style-type: none"> • "WRONG REGIONAL DISC" : Disc's region code dose not match to the player. • "WRONG PASSWORD" : The player refuse to play a disc with rating level higher than the player's rating level setting. • "WRONG DISC" : The player is equipped with automatic disc quality detection software. When the player detects a problem disc or a damaged disc, the player may keep playing the disc at lower quality or stop playing, depending on the damage level of the disc.
Malfunction	<ul style="list-style-type: none"> • Press and hold the standby button (if any) for about 5 second to power off. • 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.

TROUBLE SHOOTING



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 SKIP 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 REVERSE PLAY / PAUSE / STEP / SLOW and SEARCH.
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.
Type of Disc	DVD CD-DA CD-MP3 CD-R / CD-RW

SPECIFICATIONS

Video Format	MPEG 2
Audio Format	MPEG 1, LAYER 1, LAYER 2 , LAYER 3
Signal Output	Color System: PAL / NTSC Audio System: DOLBY DIGITAL down mix stereo DOLBY DIGITAL digital output Audio DAC 18bit/48KHz Video Output: 1Vpp(at 75ohm) Audio Output (Stereo): 2 Vpp
Frequency Response	CD: 20Hz-20KHz (EIAJ) DVD: 20Hz-22KHz (48K) 20Hz-44KHz (96K)
S / N ratio	> 90 dB
THD	< 0.05%
Output Terminals	Video (composite) output X 1 S-Video output X 1 component Video(Y Cb Cr) output Down Mix Stereo output (Left and Right) X 1 Digital audio(coaxial) output X 1
Power input	AC110-240V ~50/60Hz 20W (Max.)
Dimension	Body size: 225x265x45mm Packing size: 260x92x330mm Net weight: 1.8kg