

DVD/CD/MP3 PLAYER

COBY®

DVD-524
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 the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important 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

- Read and Follow Instructions**- All the safety and operation instructions should be read before the video product is operated. Follow all operating instructions.
- Retain Instructions**- The safety and operating instructions should be retained for future reference.
- Heed all Warnings**- Comply with all warnings on the video product and in the operating instructions.
- 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.
- 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.
- 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.
- 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.
- 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.
- Attachments**- Do not use attachments unless recommended by the video product manufacturer as they may cause hazards.
- 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.

- 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 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.
 - 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.
 - 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, Part 1) 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.
- Use**
- 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.
 - 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.
 - 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**
- Service**- 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.
 - Conditions requiring service**- unplug this video product from the wall outlet, refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the video product.
 - If the video product has been exposed to rain or water.
 - 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.
 - If the video product has been dropped or cabinet has been damaged.
 - If the video product exhibits a distinct change in performance- this indicates a need for service.
 - 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.
 - 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.
 - Wall or Ceiling Mounting**- The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - Heat**- The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce 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/optical)
Dolby Digital output
DTS Digital output
5.1 Channel output

DVD features:

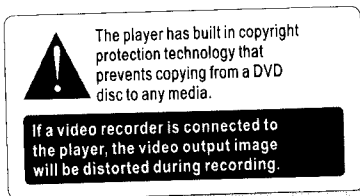
Multi Subtitle select
Multi Language select
Multi Angle select

Other features:

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

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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.



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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-layer / Single side 9.4GB = 4.5 hr Double-layer / 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.

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	↓ Near CD Quality
44.1 kHz	96 Kbps	
44.1 kHz	112 Kbps	↓ Good CD Quality
44.1 kHz	128 Kbps	
44.1 kHz	160 Kbps	↓ Better than CD Quality
44.1 kHz	192 Kbps	
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:

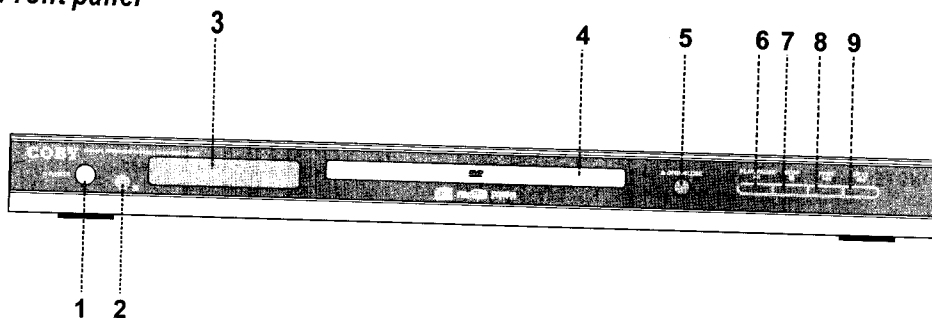
- DVD disc with region code that does not match the player's region code (Check the disc's region code printed on the disc packing. Region code "ALL" will be acceptable by all players.)
- Some DVD discs that were purchased outside the application country
- PC application on CD-R/CD-RW
- CD-ROM for PC 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 recognize this format.
- Only single session recordings can be used. Multi session recordings are not recognized 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 burning.

About the player

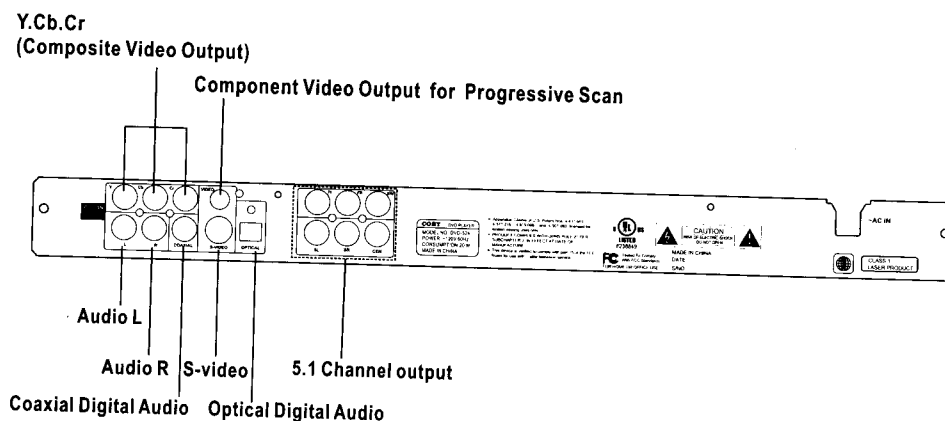
Front panel



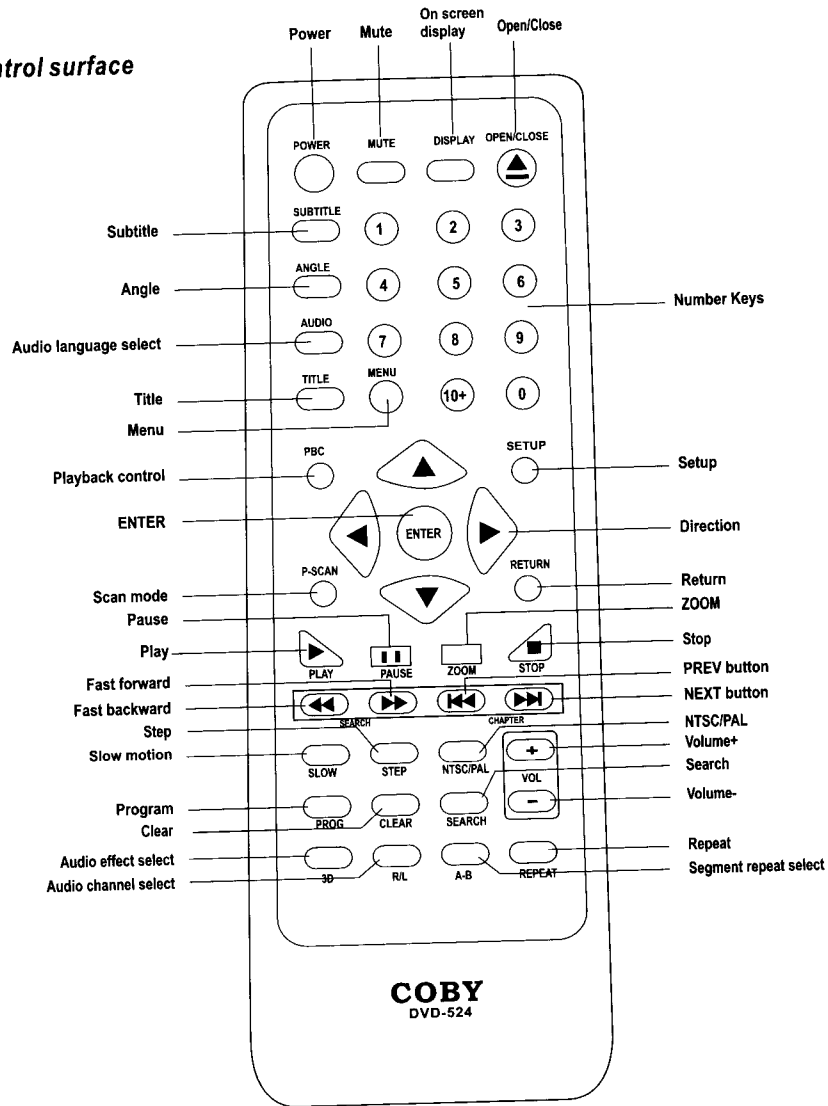
- 1. Power button
- 2. Remote control sensor
- 3. Display lens
- 4. Disc tray

- 5. Open/close button
- 6. Play/pause button
- 7. Stop button
- 8. Skip backward
- 9. Skip forward

Rear panel



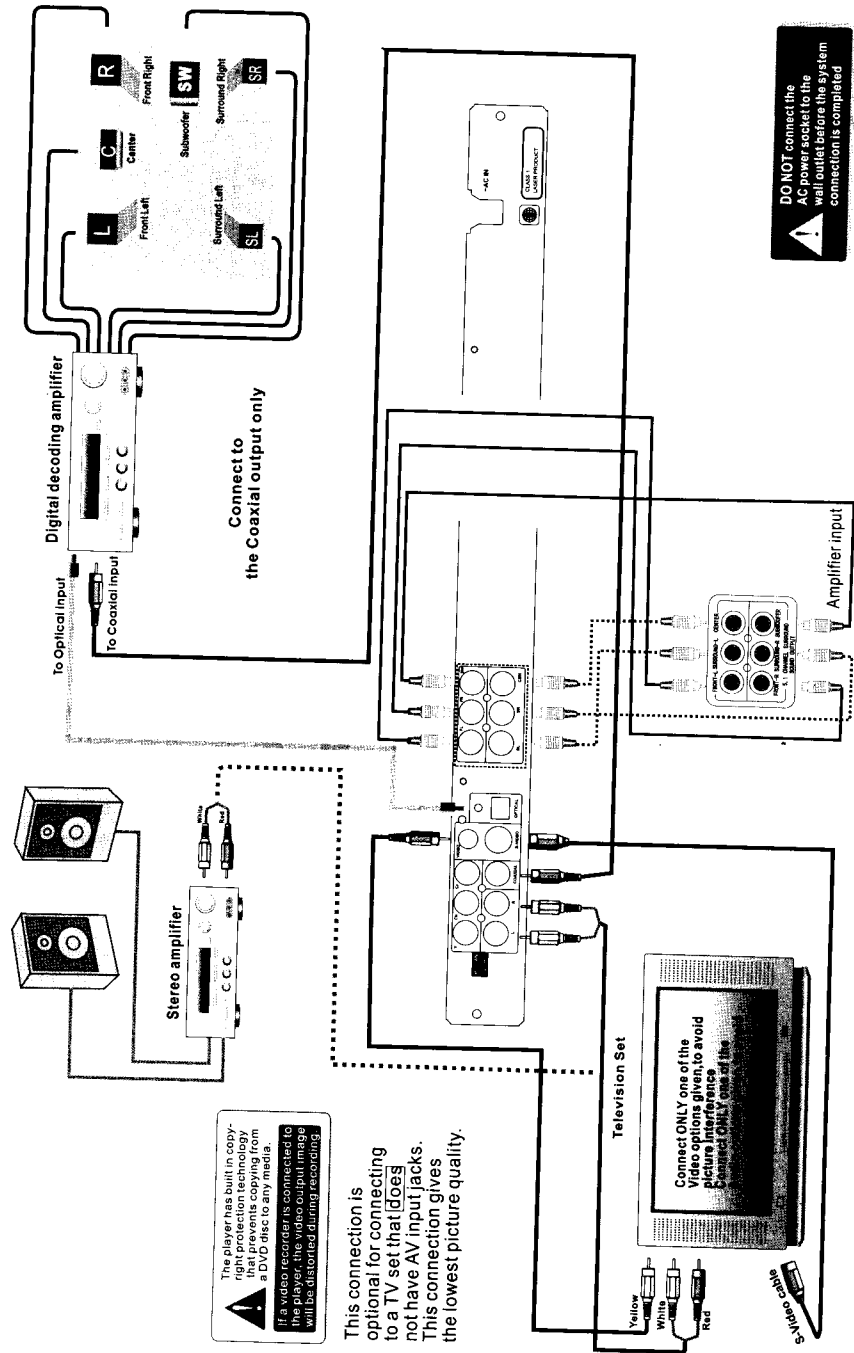
Remote control surface



Notes

1. 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.
2. In case of blank screen or rolling screen, press "P-Scan" or "NTSC/PAL" button to change back to normal mode.

SYSTEM CONNECTION
System connection figure

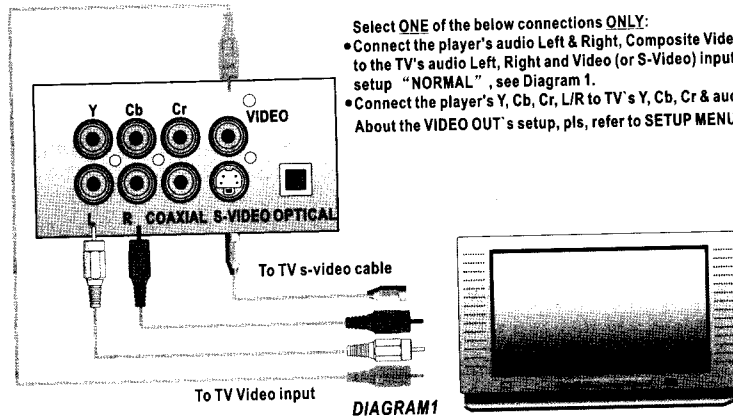


The player has built in copy right protection technology that prevents copying from a DVD disc to any media. If a video recorder is connected to the player, the video output image will be distorted during recording.

This connection is optional for connecting to a TV set that does not have AV input jacks. This connection gives the lowest picture quality.

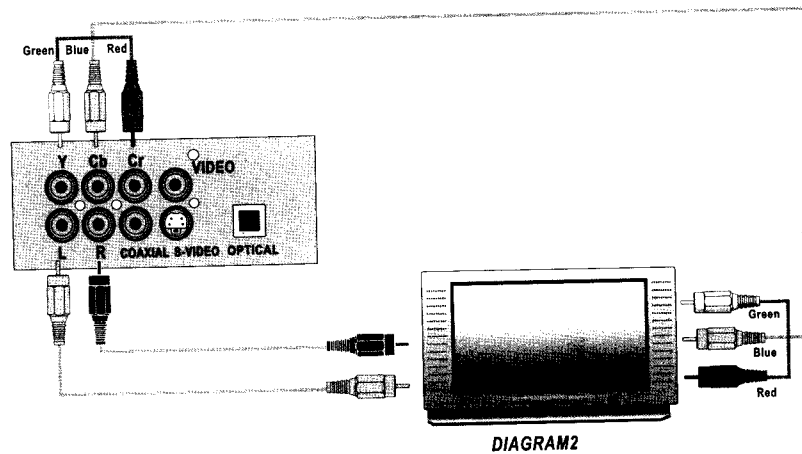
DO NOT connect the AC power socket to the wall outlet before the system connection is completed

System connection to a TV set



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

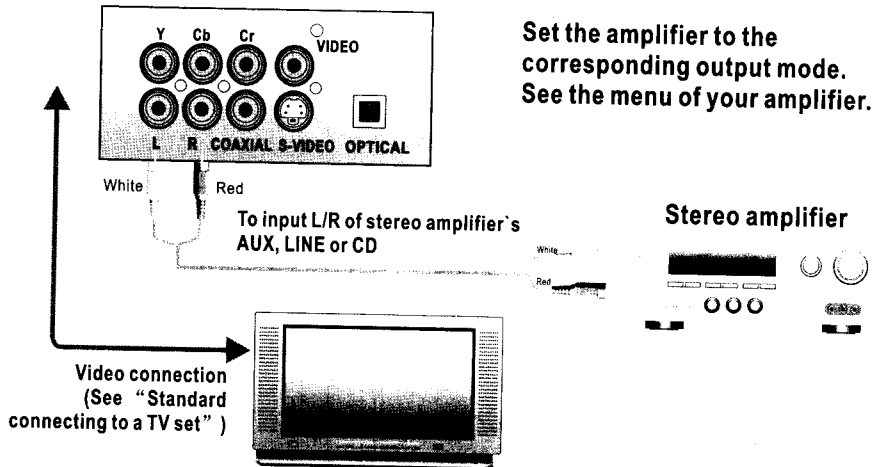
- Connect the player's audio Left & Right, Composite Video (or S-Video) outputs to the TV's audio Left, Right and Video (or S-Video) inputs. "VIDEO OUT" setup "NORMAL", see Diagram 1.
- Connect the player's Y, Cb, Cr, L/R to TV's Y, Cb, Cr & audio L/R inputs. About the VIDEO OUT's setup, pls, refer to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



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

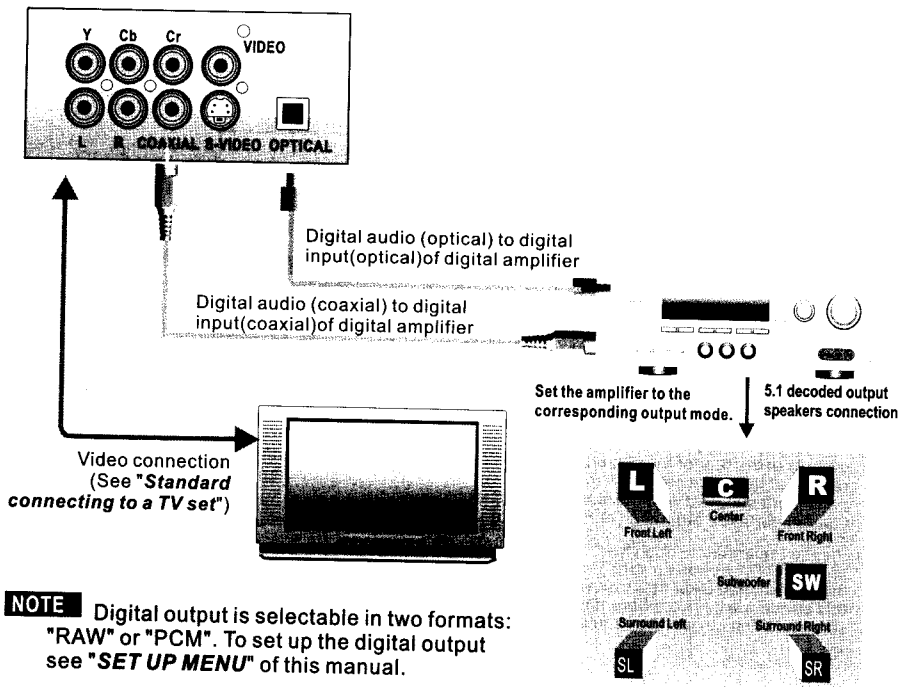
- 1 The player is equipped with composite A/V outputs at the rear of the player. Your TV will require at least one set of A/V inputs. The patch cord supplied with the player will connect your player's A/V output to your TV's inputs.
- 2 Please remember to push the "Line" or "Input" or "Video/TV" button 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.
- 3 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.

Audio connecting to a stereo Amplifier



Set the amplifier to the corresponding output mode. See the menu of your amplifier.

Digital audio connection to a digital Amplifier

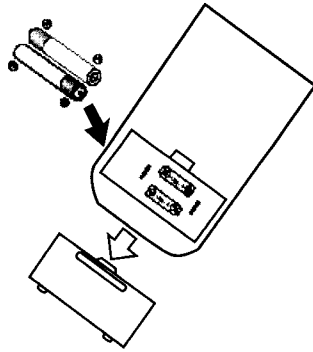


NOTE Digital output is selectable in two formats: "RAW" or "PCM". To set up the digital output see "SET UP MENU" of this manual.

- 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 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.


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 connection through a RF modulator, select the corresponding 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

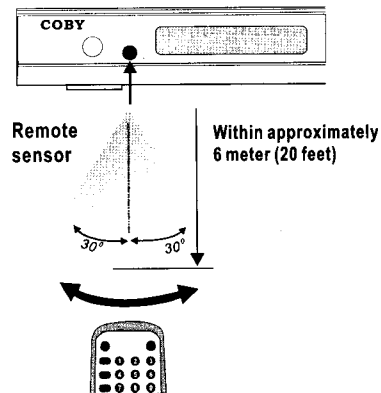
The unit will take a few seconds to load the disc's initial data, display the disc type logo on the left upper corner on screen, and then start playing back automatically.

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 DIRECTION buttons to select the desired feature in the menu. And then press ENTER button to confirm a selection in the menu.



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.

Power management

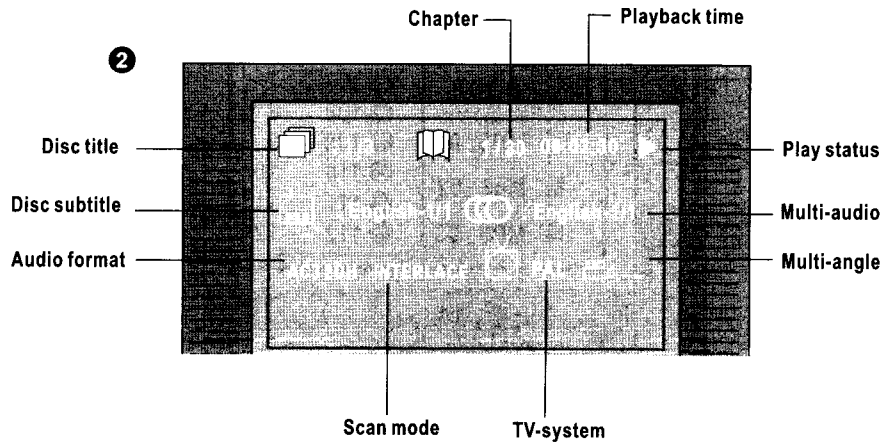
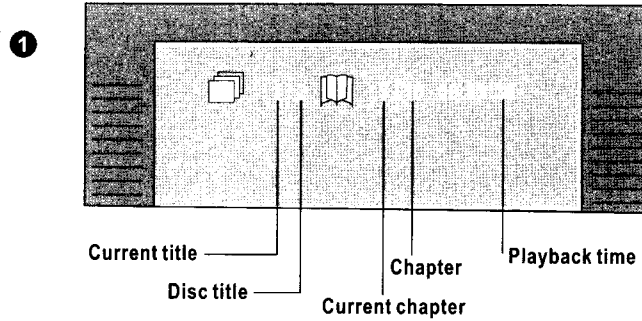
If the player will not be in use for a long time, unplug the player for personal safety.

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.

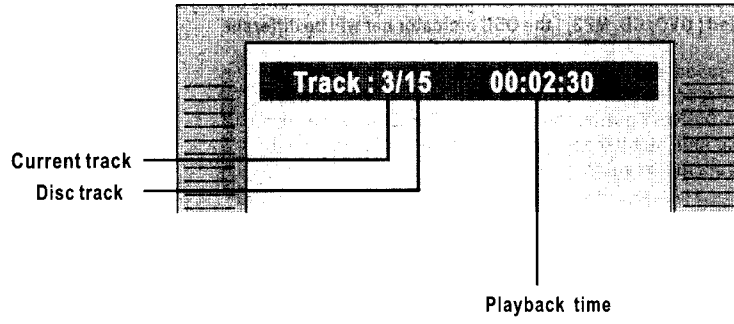
The OSD bar will appear automatically if it is activated by pressing the DISPLAY button. Press the DISPLAY button again and a new status bar will appear. Press DISPLAY button a third time and the OSD bar will disappear. When OSD indicator bar appears, press other button, the OSD indicator bar will disappear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

DVD mode - OSD

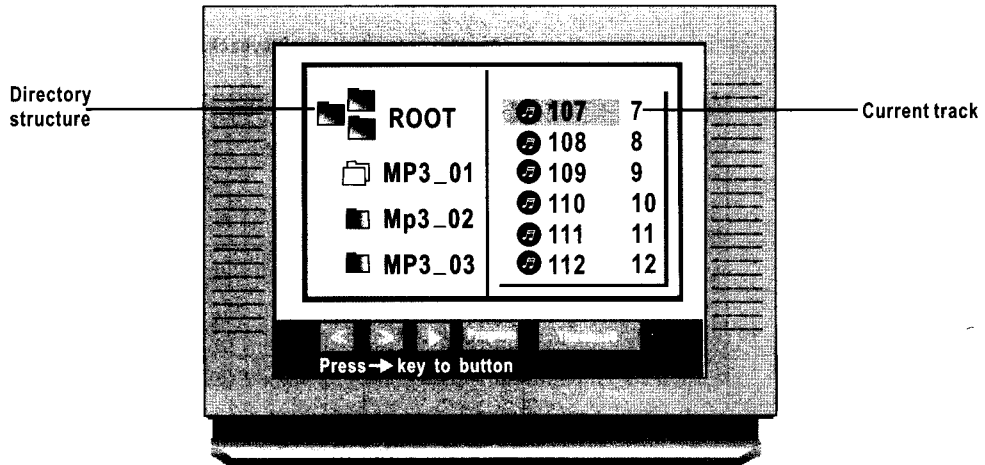



ON SCREEN DISPLAY


CD mode - OSD




MP3 mode - OSD





DISPLAY
 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 the STOP button Once. STOP memorizes the interrupted position and the OSD shows "PRESTOP."
 B) Press the STOP button twice to completely stop the disc.
 The OSD shows STOP. When the PLAY button is pressed the disc will start from the beginning.

Slow
 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



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.

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 the DVD disc start menu or in the player's set up menu



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



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

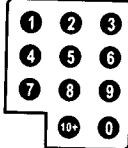


Press **CLEAR** button to cancel an entry.



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

Numeric Key Pad (Random Program access)



- To direct access a DVD Chapter or a CD track, input the desired DVD Chapter or CD Track number using the numeric key pad.
- 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.

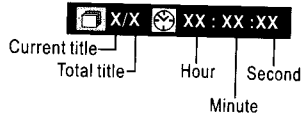
SEARCH



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.

A-B



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

A-B



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

A-B



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
REP.TITLE
REP.DISC
REP.OFF

Repeat chapter
Repeat title
Repeat all disc
Repeat off

In CD mode

REP.TRK
REP.DISC
REP.OFF

Repeat track
Repeat disc
Repeat off

In Mp3 mode

REP.TRK
REP.DISC
REP.OFF

Repeat track
Repeat disc
Repeat off

NOTE


Some DVD disc's do not allow REPEAT function.

Multi - Angle / Subtitle / Audio

- ANGLE** While playing back a DVD disc, press the ANGLE button repeatedly to select the desired camera angle. A DVD disc may contain up to 9 selectable camera angles.
- SUBT** While playing back a DVD disc, press the SUBTITLE button repeatedly to select the desired SUBTITLE subtitle. A DVD disc may contains up to 32 selectable subtitles.
- AUDIO** While playing back a DVD disc, press the 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 playing back a disc. Press the VOLUME button- or + to adjust the volume output. Volume level will display on screen.

VOLUME  **16**

The volume level control does not apply to digital output levels when a DVD disc is 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.

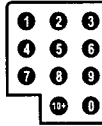
SETUP

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.



In DVD mode

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



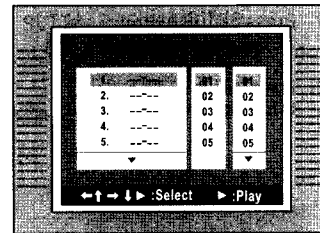
(PLAY) --- Press PLAY button to start program play.



(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.

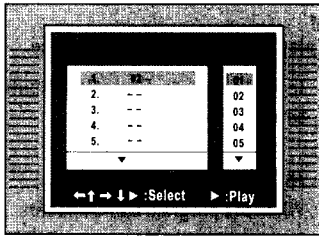


In CD mode

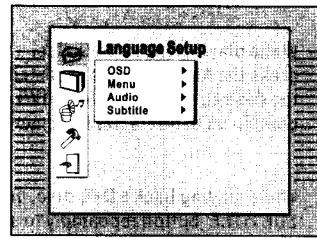
When the program menu appears, input the Track number, press ENTER , when the programming is completed.

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.




NOTE
Make sure DVD is in STOP mode, before selecting item from the Set Up Menu.

LANGUAGE MENU

In STOP mode, press **SETUP** button 
 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 **ENTER** to confirm your selected item.
 OSD → ENGLISH
 FRENCH
 GERMAN
 ITALIAN
 SPANISH

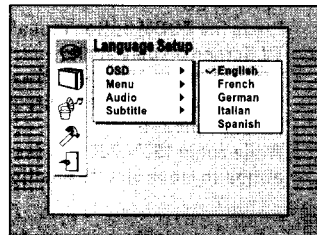
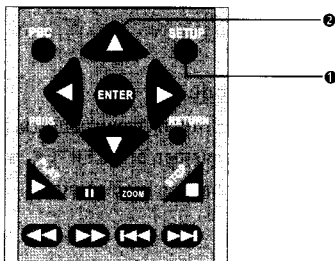
Select the players OSD.
 Press **ENTER** to confirm the selection.
 Press **SETUP** button  to quit.

Default setting ENGLISH

SETUP MENU

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

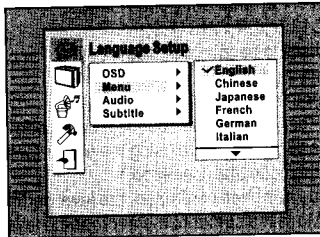
1. Press **SETUP** button  SETUP menu appears.
2. Press the **UP/DOWN** button  to highlight the desired menu.



- 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.

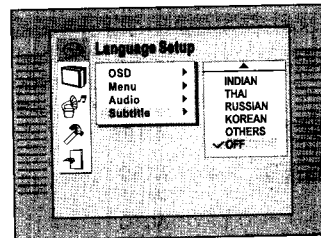
Default setting **ENGLISH**



- 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**

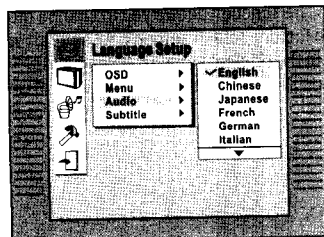


AUDIO

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

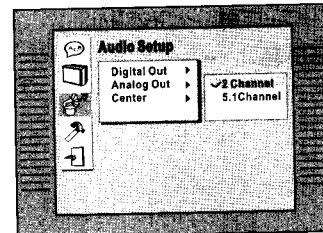
Default setting **ENGLISH**



AUDIO SETUP

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

OUTPUT



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




Default setting **2 CHANNEL**

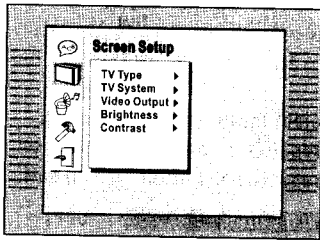
NOTE

When the digital output is NOT in use, it is recommended to turn it off, for the purpose of minimizing circuit interference.

SETUP MENU (Press SETUP button)

SCREEN MENU

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

TV SYSTEM → NTSC
PAL

Default setting NTSC

VIDEO OUT → CVBS+S-Video
CVBS+Y U V
YUV P-SCAN

Default setting CVBS+ S-Video

BRIGHTNESS → NORMAL
BRIGHT
SOFT

Default setting NORMAL

CONTRAST → -4
-3
-2
-1
0
1
2
3
4

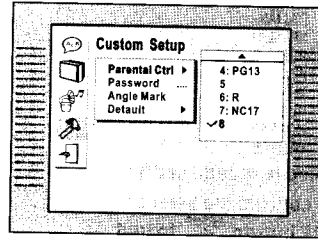
Default setting 0

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 the remote should only be used if you have a Component Video Connection
3. If you TV does not have a Y, Cb, Cr Component function, please do not change Video Out setting

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 Control"

There are 8 levels of Parental Control, as follows:
1.G; 2.; 3.PG; 4.PG13; 5.; 6.R; 7.NC17; 8.;

Level one opens discs to people of all ages. Level eight is suitable only for adults.

If you want to change the Parental Control setting, enter the level number and then the four digit pass code. The default code is 8888. (If you are using the player for the first time, there is the code that is needed.)

When the input code has been confirmed, the level setting menu will appear. Move the cursor to the appropriate level and press ENTER to confirm. Press Set Up to exit the Menu.

B) "Password"

Move the cursor to the PASSWORD prompt and press ENTER. Input the password 8888 if this is your first use.

After confirmation, you will be required to input a new 4 digit pass code. After entering your new pass code, press ENTER to confirm.

WARNING: Please keep a copy of the new pass code in a safe place. Otherwise you will not be able to change the Parental Control. Please remember your PASSWORD, as the DEFAULT setting will revert everything BUT the PASSWORD to the factory defaults.

C) "ANGLE MARK" You can choose to have the ANGLE MARK function ON or OFF. In the ON mode, an ICON will display on the screen when a disc has multiple angle shots available for viewing. Press ANGLE on the remote to enjoy these scenes.

D) "DEFAULT" This function allows you to change the player back to the factory default settings. All settings will be changed back to the original settings. If you have changed the default PASSWORD of 8888, this will not revert.

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 button on the DVD player has been switched on.
Remote Control	<ul style="list-style-type: none"> • Make sure that the Main Power button on the DVD player 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.



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	<p>DVD CD-DA CD-MP3 CD-R / CD-RW</p>

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 24bit/96KHz Video Output: 1 Vpp (at 75 ohm) 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 5.1 Channel output X1 Digital audio(coaxial/optical)output X1
Power input	~120V 60Hz 20W (Max.)
Dimension	Body size: 430x265x40mm Packing size: 467x315x103mm Net weight: 2.2kg

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