



curtis mathes

CMMBX72 Operating Manual



This manual contains important information for the setup and operation of your new Curtis Mathes Blu-ray Disc player. Keep this manual handy during setup and troubleshooting to help you connect your Blu-ray player to your TV and other AV equipment and to help you answer any operating questions you may have.

A message from Curtis Mathes

Congratulations on purchasing your new Curtis Mathes CMMBX72 Blu-ray player. This disc player lets you enjoy HD films and experience a new level of picture detail and color. Advanced Blu-ray playback technology gives you crisp clear images, while added picture quality adjustments allow you to customize your viewing and listening experience. Please enjoy your new Curtis Mathes Blu-ray player to its optimum performance by purchasing discs formatted with blu-ray technology.

For your convenience...Please contact your authorized Curtis Mathes service partner. Contact Curtis Mathes Support for this product at the Worldwide Web:
<http://www.curtismathes.com/support>
or call us toll-free at 1-887-444-8998.

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Key features of your new Blu-ray Disc Player

About the use of this user's manual

- 1) Be sure to be familiar with safety instructions before using this product.
- 2) If a problem occurs, check the Troubleshooting.

Blu-ray Disc Features

Blu-ray Discs can store 25GB (single layer) or 50 GB (dual layer) on a single side disc - about 5 to 10 times the capacity of a DVD. Blu-ray Discs also support the highest quality HD video available in the industry (up to 1920 x 1080 at 40 Mbit / sec) - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as DVD.

* The following Blu-ray Disc features are disc dependant and will vary.

Appearance and navigation of features will also vary from disc to disc.

Not all discs will have the features described below.

Video highlights

The BD-ROM format for movie distribution support three highly advanced video codecs, including AVC, VC-1, and MPEG-2.

HD video resolutions are also available:

- 1920 x 1080 HD
- 1280 x 720 HD

For High-Definition Playback



To view high-definition contents in BD discs, an HDTV (High Definition Television) is required. Some discs may require using the player's HDMI OUT to view high-definition content. The ability to view high-definition content on BD discs may be limited depending on the resolution of your TV.

Safety Information

Please read the manual carefully before using this DVD player, and keep it safe for future reference.

WARNING

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

	<div style="border: 1px solid black; padding: 5px; text-align: center;"> CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN </div>	
<p>The lightning flash and Arrowhead within triangle is a warning sign alerting you of dangerous voltage inside the product.</p>	<p>To reduce the risk of electric shock, do not remove the cover (or back) no user - serviceable parts are inside. refer servicing to qualified service personnel.</p>	<p>The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.</p>

Warning

In order to prevent the risk of fire or electric shock, do not expose the machine to rain or any moisture. Do not open the case of the unit because of the risk of electric shock. Repair work must be undertaken by qualified personnel.

Caution

If the unit is moved from a cold to warm environment condensation may develop on the lens of the laser. To ensure correct operation switch the unit off and leave it for one hour before using.

Caution

This DVD player has a laser system.
Please note that hazardous radiation leakage may be caused if the player is misused in anyway. Do not defeat the safety interlocks.
Do not open the case of the player. The laser light will become visible when the case is opened.

Warning

- This machine may malfunction if it is modified or repaired by unauthorized persons.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.
- Must be shown how can operate the product via the MODE and Vol+ and Vol- button for the unit complete the function.

CLASS 1 LASER PRODUCT



Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Safety Information

Caution

Laser radiation when open. Do not stare into beam.

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

PRECAUTIONS

Important Safety Instructions

Read these operating instructions carefully before using the unit. Following all the safety instructions listed below. Keep these operating instructions handy for future reference.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids such as vases, shall be placed on the apparatus. Maintain well-ventilated conditions around the product. Do not place on bed, sofa, or anything that blocks ventilation.

Handling Cautions

- Before connecting other components to this Blu-ray Disc Player, be sure to turn them all off.
- Do not move the Blu-ray Disc Player while a disc is being played, or the disc may be scratched or broken, the Blu-ray Disc Player internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the Blu-ray Disc Player.
- Be careful not to put your hand into the disc tray.

Safety Information

- Do not place anything other than the disc in the disc tray.
- Exterior interference such as lightning and static electricity can affect normal operation of this Blu-ray Disc Player. If this occurs, turn the Blu-ray Disc Player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The Blu-ray Disc Player will operate normally.
- Be sure to remove the disc and turn off the Blu-ray Disc Player after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the Blu-ray Disc Player for long periods of time.
- Clean the disc by wiping in a straight line from the inside to outside of the disc.
- Do not expose the player to dripping or splashing liquids.
- When the AC plug is connected to a wall outlet, the player will still draw power (standby mode) when it is turned off.

Maintenance of Cabinet

For safety reasons, be sure to disconnect the AC power cord from the AC outlet.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.






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Getting Started










DISC TYPE AND CHARACTERISTICS

Disc types that can be played

Disc Types	Disc Logo	Recorded content	Disc Shape	Max. Playing minute
BD-ROM		AUDIO+VIDEO	Single sided (25GB/50GB)	Playing time depends on the Title
DVD-VIDEO		AUDIO+VIDEO	Single sided (5 inches)	240
			Double sided (5 inches)	480
			Single sided (3 1/2 inches)	80
			Double sided (3 1/2 inches)	160
AUDIO-CD		AUDIO	Single sided (5 inches)	74
			Single sided (3 1/2 inches)	20
DVD-RW (V mode and finalized only)		AUDIO+VIDEO	5 inches (4.7GB)	480 (EX: Extended Play)
DVD-R (V mode and finalized only)		AUDIO+VIDEO	5 inches (4.7GB)	480 (EX: Extended Play)
CD-R/-RW DVD-RW/-R		JPEG MP3	—	

- This player is compatible with the NTSC color system only.
- PAL discs will not play.

Disc types that can be played

			
NTSC broadcast system in U.S.A, Canada, Korea, Japan			
Digital Audio	MP3	Stereo	Java
			

Getting Started

Discs that cannot be played

- Blu-ray Discs with a region code other than "Region A".
- BD-R, BD-RE
- HD DVD Disc
- DVD-Video with a region number other than "1" or "ALL".
- DVD-RAM
- 3.9GB DVD-R Disc for Authoring.
- DVD-RW (VR mode)
- DVD-ROM / PD / MV-Disc, etc
- CVD / CD-ROM / CDV / CD-G / CD-I / LD

[NOTE]:

- Some commercial discs and DVD discs purchased outside your region may not be playable with this product. When these discs are played, either "No disc." or "Please check the regional code of the disc." will be displayed.
- If a DVD-R / -RW disc has not been recorded properly in DVD video format, it will not be playable.
- The unit cannot play CD-R / -RW and DVD-RW / -R recorded content such as divx, avi, mpg, mov, wma.

Region Code

Both the Blu-ray Disc Player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this Blu-ray Disc Player is described on the rear panel of the Blu-ray Disc Player.

Disc Type	Blu-ray	DVD-Video
Region code		

BD Region code	Area
A	North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
B	Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
C	India, China, Russia, Central and South Asia.

[NOTE]:

- Playback may not work for some types of discs, or when specific operations, such as angle change and aspect ratio adjustment, are being performed. Information about the disc is written in detail on the box. Please refer to this necessary.
- Do not allow the disc to become dirty or scratched. Finger prints, dirt, dust, scratches or deposits of cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- Discs with PAL programs recorded on them cannot be played using this product.
- When a BD-Java title is played, loading may take longer than a normal title, or some functions may perform slowly.

Getting Started

Disc Types

BD-ROM

Blu-ray Disc Read Only Memory. A BD-ROM disc contains pre-recorded data. Although a BD-ROM may contain any form of data, most BD-ROM discs will contain movies in High Definition format, for playback on Blu-ray Disc Players. This can play back pre-recorded BD-ROM discs.

DVD-Video

- A digital versatile disc (DVD) can contain up to 135-minutes, 8 audio languages and 32 subtitle languages. It is equipped with MPEG-2 picture compression and Dolby Digital surround, allowing you to enjoy vivid and clear theatre quality images.
- When switching from the first layer to the second layer of a dual-layered DVD Video disc, there may be momentary distortion in the image and sound. This is not a malfunction of the unit.
- Once a DVD-RW/-R recorded in Video Mode is finalized, it becomes DVD-Video. Pre-recorded (pre-stamped) commercial DVDs with movies are also referred to as DVD-Videos. This unit can play back pre-recorded commercial DVD discs (DVD Video discs) with movies.

Audio CD

- An audio disc on which 44.1kHz PCM Audio is recorded.
- This unit can play back CD-DA format audio CD-R and CD-RW discs.
- This unit may not be able to play some CD-R or CD-RW discs due to the condition of the recording.

CD-R/-RW

- Use a 700MB (80 minutes) CD-R/-RW disc. If possible, do not use a 800MB (90 minutes) or above disc, as the disc may not play back.
- If the CD-R/-RW disc was not recorded as a closed as a closed session, you may experience delays when playing back the beginning of the disc or all recorded files may not play.
- Some CD-R/-RW discs may not be playable with this unit, depending on the device which was used to burn them. For contents recorded on CD-R/-RW media from CDs for your personal use, playability may vary depending on contents and discs.

DVD-R Disc Playback

- Once a DVD-R recorded in Video Mode is finalized, it becomes DVD-Video.
- This unit can play back DVD-R discs recorded. It may not be able to play some DVD-R discs depending on the disc and the condition of the recording.

DVD-RW Disc Playback

- Playback can be performed with DVD-RW discs in the Video Mode and finalized only.
- Once a DVD-RW recorded in Video Mode is finalized, it becomes DVD-Video. Ability to play back may depend on recording conditions.

Disc Format

Using MP3 disc

- CD-R/-RW, DVD-RW/-R recorded with UDF, ISO9660 or JOLIET format can be played back.
- Only MP3 files with the ".mp3" or ".MP3" extension can be played.
- Playable bit-rate range is from 56Kbps to 320 Kbps.

Getting Started

- Playable sample-rate is 16KHz to 48KHz.
- The unit can handle a maximum of 1500 files and folders under a parent folder. For MP3 files recorded with a VBR (Variable Bit Rates), the sound may cut in and out.

Using JPEG disc

- CD-R/-RW, DVD-RW/-R recorded with UDF, ISO9660 or JOLIET format can be played back.
- Only JPEG files with the ".jpg", ".JPG", ".jpeg" or "JPEG" extension can be displayed.
- Progressive JPEG is supported.

DVD-RW/-R(V)

- This is a format that used of recording data on a DVD-RW or DVD-R disc. The disc can be played by this Blu-ray disc player once it has been finalized.
- If a disc that has been recorded in video Mode by a different maker's recorder but has not been finalized, it cannot be played by this Blu-ray disc player.

Disc Storage&Management

Disc Handling

- Use discs with regular shapes. If an irregular disc(a disc a special shape)is used, this Blu-ray disc player may be damaged.

Holding discs

- Avoid touching the surface of a disc where recording is performed.

Blu-ray Discs

- If the player is not used for a long period of time, remove the Blu-ray Disc from the player and store it in its case.

Be careful not to leave fingerprints or scratches on the surface of the Blu-ray Disc.

DVD-RM and DVD-R

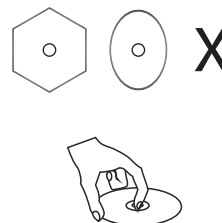
- Clean with an optional PD disc cleaner (LF-K200DCA1 where available). Do not use cleaners or cloths for CDs to clean DVD-RW/-R discs.

DVD-Video,Audio-CD

- Wipe off dirt or contamination on the disc with a soft cloth.

Cautions on handling discs

- Do not write on the printed side with a ball-point pen or pencil.
- Do not use record cleaning sprays or antistatic. Also, do not use volatile chemicals, such as benzene or thinner.
- Do not apply labels or stickers to discs.(Do not use discs fixed with exposed tape adhesive or leftover peeled-off stickers.)
- Do not use scratch-proof protectors or covers.
- Do not use discs printed with label printers available on the market.
- Do not load warped or cracked discs.



Disc Storage

- Be careful not to harm the disc because the data on these discs is highly vulnerable to the environment.
- Do not keep under direct sunlight.
- Keep in a cool ventilated area.
- Store vertically.








Getting Started

- Keep in a clean protection jacket.
- If you move your Blu-ray disc player suddenly from a cold place to a warm place, condensation may generate on the operating parts and lens and cause abnormal disc playback. If this occurs, do not connect the plug to the power outlet and wait for two hours. Then insert the disc and try to play back again.

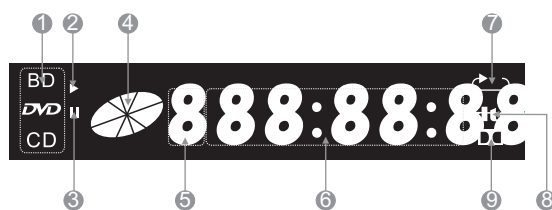
Description

Front Panel



① () Power Button	Turns the Blu-ray disc player on and off.
② () Open / Close Button	Open and closes the disc tray.
③ () Play / Pause Button	Press to play a disc or pause the playback.
④ () Previous Button	Press to go to previous list / track / chapter.
⑤ () Next Button	Press to go to next list/track/chapter.
⑥ () Stop Button	Stops disc playback.
⑦ () Remote Control Sensor	Opens to accept a disc.
⑧ Disc Tray	

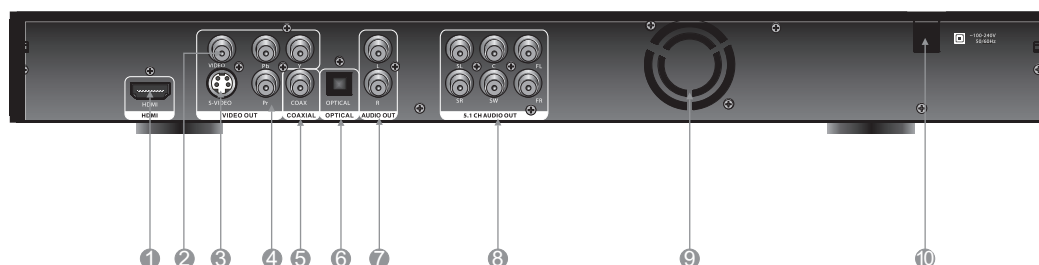
Front Panel Display



① DVD / CD / BD Indicator	Disc type indicators.
② PLAYBACK Indicator	Playback indicator.
③ PAUSE Indicator	Pause indicator.
④ Rotation	Rotates when the disc is spinning.
⑤ Chapter Indicator	
⑥ Operating	Playing time / clock / current status indicator.
⑦ Repetition Playback Indicator	
⑧ DTS Indicator	
⑨ DOLBY Digital Indicator	

Description

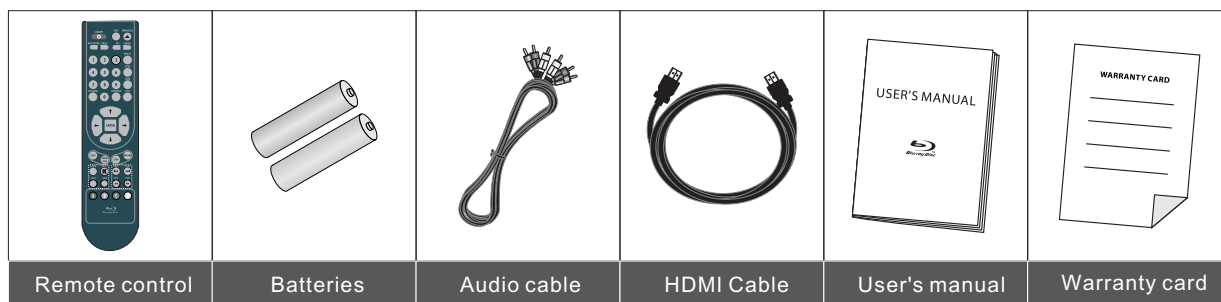
Rear Panel



①	HDMI OUT	Use the HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture.
②	VIDEO OUT	Connects to the input of external equipment using a video cable.
③	S-VIDEO OUT	Connects to the input of external equipment using an S- Video cable.
④	COMPONENT VIDEO OUT	Connects to equipment having component video input.
⑤	COAXIAL OUT	Connects to an amplifier having a digital coaxial audio input jack.
⑥	OPTICAL OUT	Connects to an amplifier having a digital optical audio input jack.
⑦	AUDIO OUT	Connects to the audio input of external equipment using audio cables.
⑧	5.1 CH AUDIO OUT	Connects to a 5.1CH analog input on an A/V amplifier.
⑨	FAN	The fan always revolves when the power is on. Ensure a minimum of 4 inches of clear space on all sides of the fan when installing the product.
⑩	AC INLET	AC100~240V 50/60Hz

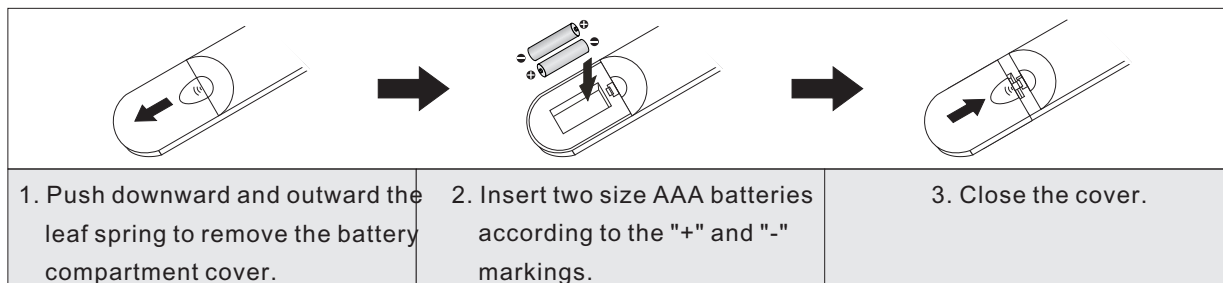
Accessories

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Remote Control

Loading Batteries

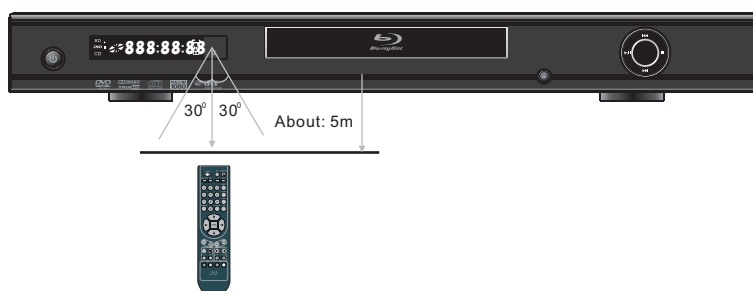


[NOTE]:

- A. Do NOT mix different types together, or old batteries with new batteries.
- B. While the remote controller will not be used for an extended period of time, remove the batteries to prevent possible corrosion.
- C. To prevent corrosion resulting in damage, remove exhausted batteries immediately. Where the remote exhausted batteries immediately. Where the remote controller doesn't appear to operate normally, replace both of the batteries.
- D. Typical life for the batteries provided with this product is about 6 months. The life expectancy may vary according to the use status.

Operating with the Controller

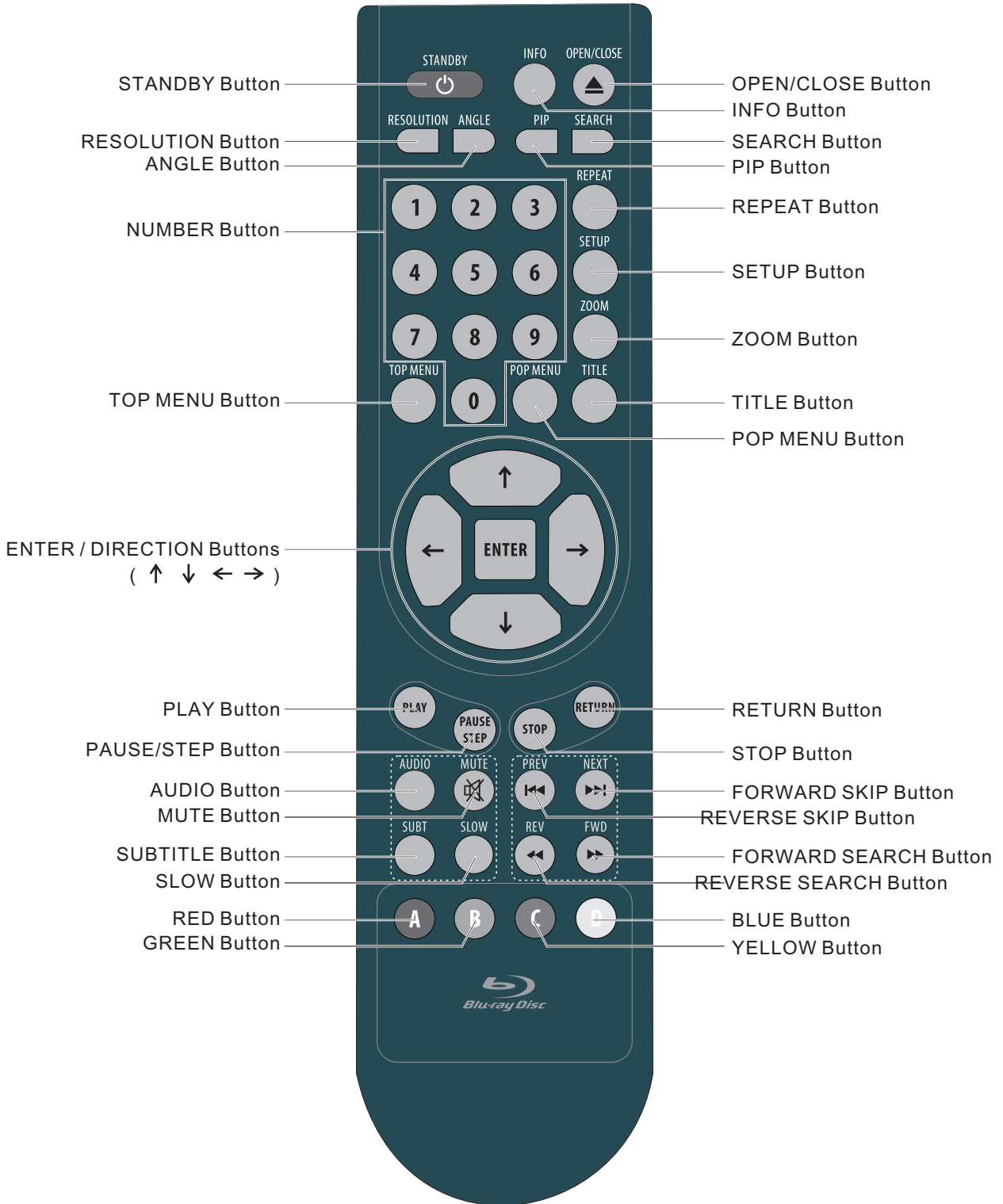
Point the remote controller toward the remote sensor on your DVD home theatre center. Upon receipt of the signal from the remote controller, the equipment will operate accordingly. The description in this manual is based on the buttons on the equipment. You may use the counterparts on the remote controller to do the same



[NOTE]:

- A. Do not place this equipment in a place exposed to direct sunlight or strong light source like inverting fluorescent light, or else it may interfere with correct operation of the remote controller.
- B. When other similar remote controller is used in the same room, or when this product is used near other equipment using infrared ray, interference with the operation of this remote controller may occur.
- C. Do not place any object on the remote controller or else it may cause unintentional depression of the buttons and waste the batteries unnecessarily.
- D. The front of the chassis should not be glazed with color glass, or else it may cause interference with normal operation of the remote controller.
- E. Any barrier between the remote controller and remote sensor will inactivate any operation of the remote controller.
- F. The operating range between the remote controller and the equipment shall be no more than 5 meters (16 feet). When the operating range becomes shorter, replace the batteries with new ones..

Remote Control



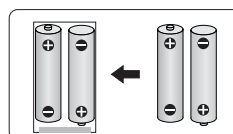
Remote Control

BUTTON	INTRO	BUTTON	INTRO
STANDBY Button	Power On/Off	SEARCH Button	Search a chapter or time to start playing
RESOLUTION Button	Change the resolution of output	PIP Button	
ANGLE Button	Multi-angle optional playing	REPEAT Button	Allows you to repeat a title, chapter, track or disc.
NUMBER Buttons	Digital button, for item selection & programming	SETUP Button	Enter setup menu
TOP MENU Button	Display the disc root menu	ZOOM Button	Zoom in or off
ENTER / DIRECTION Buttons (↑↓←→)	Confirm selection / For directions selection	TITLE Button	Return to the main menu in playing mode
PLAY Button	Play	POP MENU Button	Display the disc menu
PAUSE / STEP Button	Pause /Step	RETURN Button	Return selection
AUDIO Button	Stereo / Left audio output / Right audio output switch	STOP Button	Stop
MUTE Button	Mute on/off	FORWARD SKIP Button	Play next item or chapter in playing mode
SUBTITLE Button	Select the subtitle language	REVERSE SKIP Button	Return to last item or chapter in playing mode
SLOW Button	Slow play	FORWARD SEARCH Button	Fast forward play
OPEN/CLOSE Button	Open/Close the disc tray	REVERSE SEARCH Button	Reverse play
INFO Button	Displays current setting or disc status		

Regarding The Battery

If the remote does not operate properly:

- Check the polarity + - of the batteries (Dry-Cell).
- Check if the batteries are drained.
- Check if remote sensor is blocked by obstacles.
- Check if there is any fluorescent lighting nearby.



Dispose of batteries according to local environmental regulations. Do not put them in the household trash.

Remote Control

BUTTON	FOR BD-R	FOR DVD	FOR CDDA	FOR ISO
STANDBY Button	Power On/Off			
RESOLUTION Button	Change the resolution of output			
ANGLE Button	Change angle		Not supported	
NUMBER Buttons	Digital button, for item selection & programming			Not supported
TOP MENU Button				
ENTER / DIRECTION Buttons (↑↓←→)	Confirm selection / For directions selection			
PLAY Button	Playing the disc or resume playing if in paused mode			
PAUSE / STEP Button	Step status if in paused mode / Paused if in playing mode			
AUDIO Button	Change audio stream		Not supported	
MUTE Button	Mute on/off			
SUBTITLE Button	Select the subtitle language		Not supported	
SLOW Button	Slow play			
OPEN/CLOSE Button	Open/Close the disc tray			
INFO Button	Displays The status of player, Elapsed time of disc playing, Current title /chapter, Frequency or Bitrate		Displays Track number, duration, elapsed time	Displays File name, file size, format, duration, elapsed time

Remote Control

BUTTON	FOR BD-R	FOR DVD	FOR CDDA	FOR ISO
SEARCH Button	Search a chapter or time to start playing			
PIP Button				
REPEAT Button	Allows you to repeat off, title or chapter		Allows you to repeat disc, track or random	
SETUP Button	Adjust basic functions such as brightness, contrast, hue, saturation... this takes effect only when playing video			
ZOOM Button	Zoom in or off			
TITLE Button	Display pop-up menu during playback	Go to the root of Title		
POP MENU Button				
RETURN Button	Return invalid			
STOP Button	Stop playing disc temporarily, press Stop again to return to Main Menu, or hit Play to resume playing disc	Stop playing disc permanently to return to Main Menu		Stop playing the current file and return to file browser
FORWARD SKIP Button	Jump to next chapter or next track or next file in isodisc			
REVERSE SKIP Button	Jump to previous chapter or next track or previous file in iso disc			
FORWARD SEARCH Button	Forward at x8, x16, x32 or x48 speed.			
REVERSE SEARCH Button	Jump to next chapter or next track or next file in iso disc			

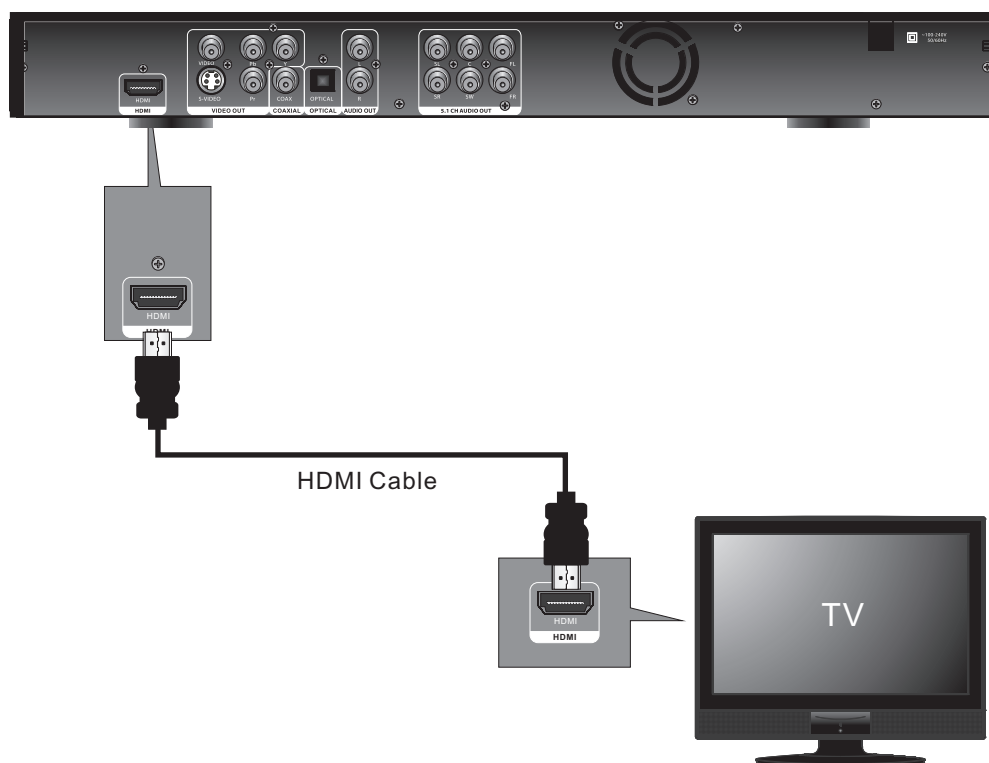
Connections

This section involves various methods of connecting the Blu-ray disc player to other external components.

Connecting to a TV with an HDMI Cable

1. Using an HDMI-HDMI cable connect the HDMI OUT terminal on the rear of the Blu-ray disc player to the HDMI IN terminal of your TV.
2. Press the input selector on your TV remote control until the HDMI signal from the Blu-ray appears on your TV screen.

If you have set the remote control to properly operate with your TV, press the TV INPUT SEL. button on the remote control and select HDMI as the external source of the TV.



[NOTE]:

If the HDMI cable is connected or removed during playback of a CDDA, MP3 or JPEG file, the player will stop playing.

HDMI auto detection function

The player's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on).

[NOTE]:

- Depending on your TV, certain HDMI output resolutions may not work.
- Please refer to the use's manual of your TV.

Connections

- If an HDMI-HDMI cable is connected, HDMI mode is automatically selected.
- When you connect the player to the TV using the HDMI cable for the first time or to a new TV, the HDMI output resolution will be automatically set to the highest provided by the TV.

HDMI (High Definition Multimedia Interface)

HDMI is an interface that enables the digital transmission of video and audio data with just a single connector. Using HDMI, the Blu-ray disc player transmits a digital video and audio signal and displays a vivid picture on a TV having an HDMI input jack.

HDMI connection description

HDMI connector-Supports video and digital audio data (LPCM or Bitstream).

- HDMI outputs only a pure digital signal to the TV.
- If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.

What is the HDCP?

HDCP (High-bandwidth Digital Content Protection) is a system for protecting BD/DVD content outputted via HDMI from being copied. It provides a secure digital link between a video source (PC, DVD, etc) and a display device (TV, projector, etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

Connections

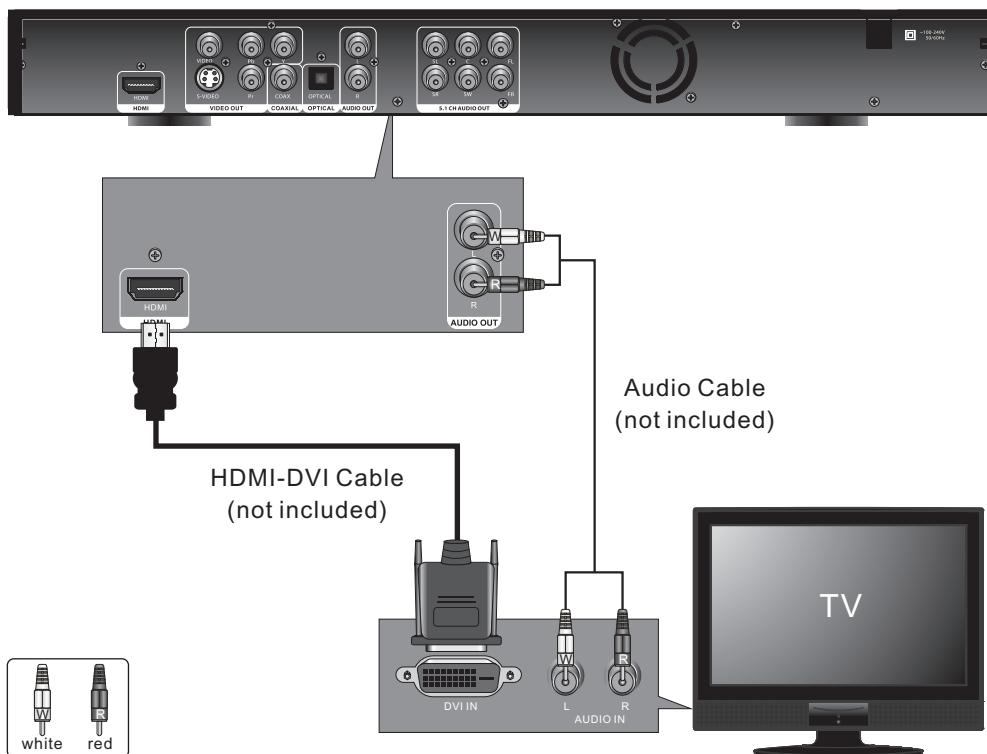
Connecting to a TV with DVI Cable

1. Using the HDMI-DIV cable (not included), connect the HDMI OUT terminal on the rear of the Blu-ray disc player to the DVI IN terminal of your TV.
2. Using the audio cables (not included), connect the AUDIO (red and white) OUT terminals on the rear of the Blu-ray disc Turn on the Blu-ray disc player and TV.
3. Press the input selector on your TV remote control until the DVI signal from the Blu-ray disc player appears on your TV screen.
If you have set the remote control to properly operate with your TV, press the TV INPUT SEL. button on the remote control and select HDMI as the external source of the TV.

Connecting the HDMI cable while the Blu-ray player's power is on, the player's video output will automatically change to HDMI mode.

[NOTE]:

- Depending on your TV, certain HDMI output resolutions may not work.
- Please refer to the use's manual of your TV.
- If an HDMI or HDMI-DVI cable is plugged into TV, the Blu-ray disc player's output is set to HDM I / DVI automatically within 10 seconds.
- If Component and HDMI are both connected, HDMI mode is automatically selected.
- When you connect the player to the TV using the HDMI cable for the first time or to a new TV, the HDMI output resolution will be automatically set to the highest provided by the TV.
- If the HDMI cable is connected or removed during playback of a CDDA, MP3 or JPEG file, the player will stop playing.



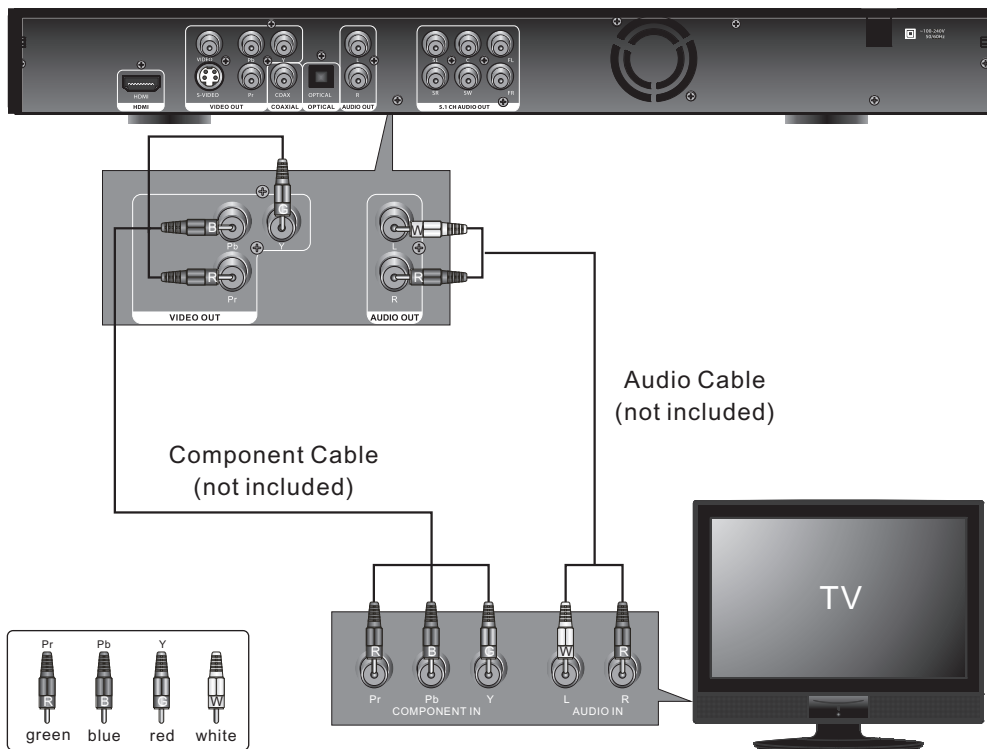
Connections

Connecting to a TV (component)

Connecting to your TV using Component video cables.

You will enjoy high quality and accurate color reproduction images. Component video separates the picture element into back and white (Y), blue (PB) signals to present clear and clean images (Audio signals are delivered through the audio output).

1. Using component video cables (not included), connect the component video out terminals on the rear of the Blu-ray disc player to the component in terminals of your TV.
2. Using the audio cables (not included), connect the audio (red and white) in terminals of your TV. Turn on the Blu-ray disc player and TV.
3. Press the input selector on your TV remote control until the component signal from the Blu-ray disc player appears on the TV screen. If you have set the remote control to properly operate with your TV, press the TV input sel. button on the remote control and select component as the external source of the TV.



[NOTE]:

- Depending on the manufacturer, the component terminals on your TV may be marked "R-Y, B-Y, Y" or "Cr, Cb, Y" instead of "Pr, Pb, Y". The number and position of terminals may vary depending on the TV set. Please refer to the use's manual of your TV.
- You can select from a variety of resolution settings such as 1080i, 720p, 480p and 480i, depending on the disc type.
- The actual resolution may differ from the setting in the SETUP menu if both Component and HDMI cables are connected. The resolution may also be different depending on the disc.

Connections

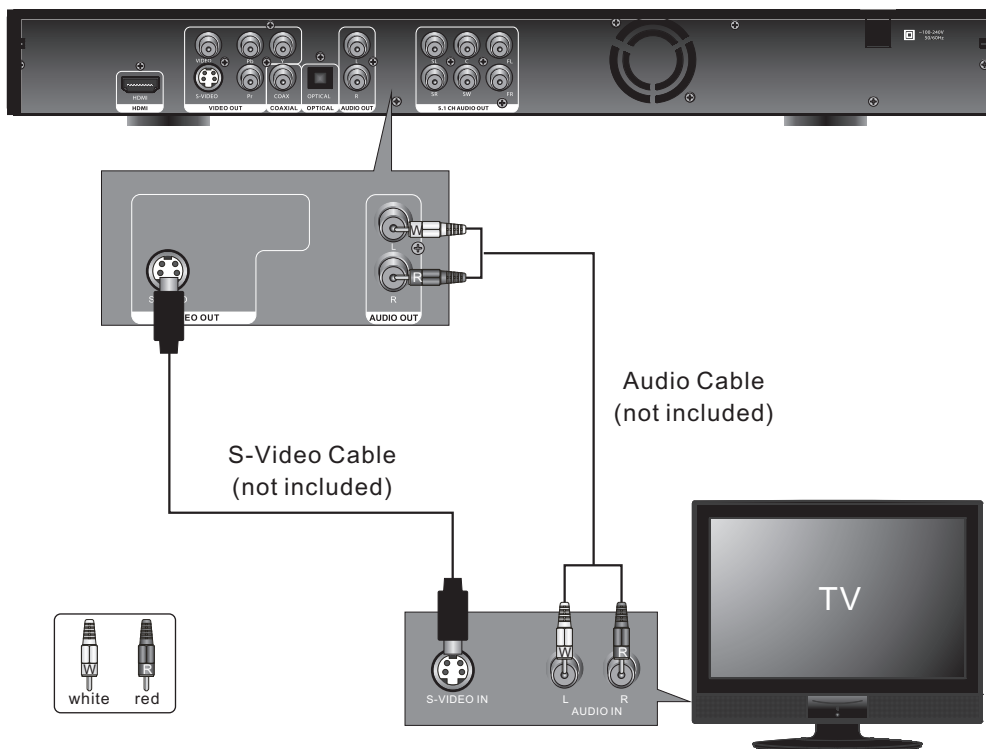
Connecting to a TV (S-Video)

Connecting to your TV using an S-Video cable.

You will enjoy high quality images. S-video separates the picture element into black and white (Y) and color (C) signals to present clearer images than regular video input mode.

1. Using an S-video cable (not included), connect the S-VIDEO OUT terminal on the rear of the Blu-ray disc player to the S-VIDEO IN terminals of your TV.
2. Using the audio cables (not included), connect the AUDIO (red and white) OUT terminals on the rear of the Blu-ray disc player to the AUDIO (red and white) IN terminals of your TV. Turn on the Blu-ray disc player and TV.
3. Press the input selector on your TV remote control until the S-VIDEO signal from the Blu-ray disc player appears on your TV screen.

If you have set the remote control to properly operate with your TV, press the TV INPUT SEL. button on the remote control and select S-VIDEO as the external source of the TV.



[NOTE]:

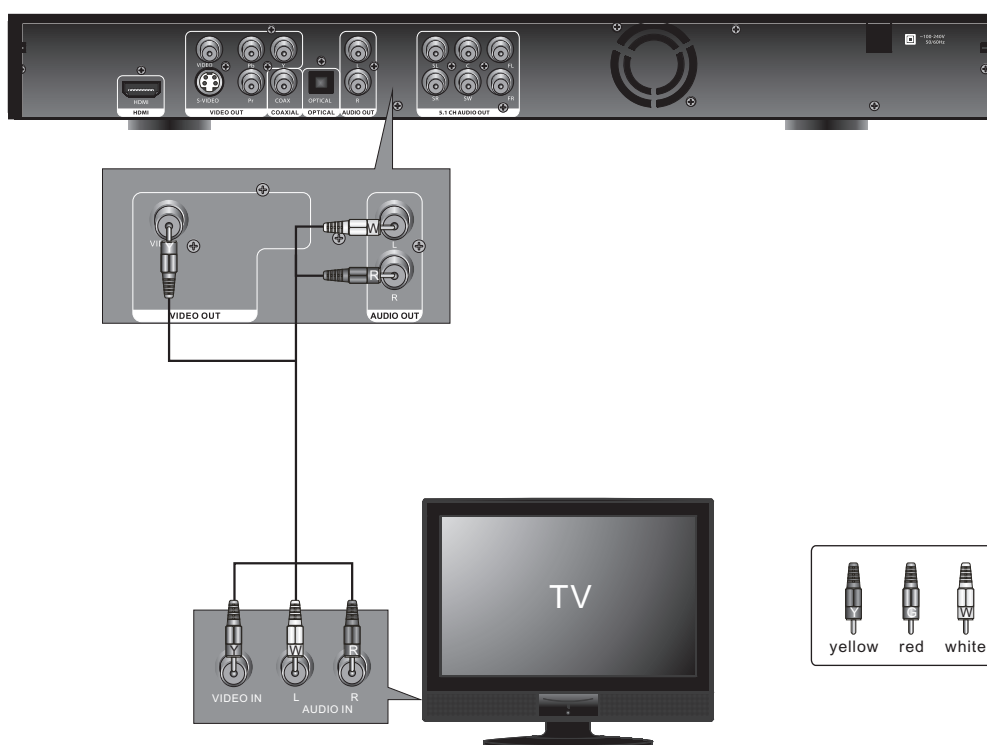
- The S-VIDEO source is always output in 480i resolution regardless of the set resolution in the SETUP menu.

Connections

Connecting to a TV (Video)

1. Using video / audio cables, connect the VIDEO (yellow) / AUDIO (red and white) OUT terminals on the rear of the Blu-ray disc player to the VIDEO(yellow)/AUDIO(red and white)IN terminals of your TV.
2. Turn on the Blu-ray disc player and TV.
3. Press the input selector on your TV remote control until the Video signal from the Blu-ray disc player appears on the TV screen.

If you have set the remote control to properly operate with your TV, press the TV INPUT SEL. button on the remote control and select VIDEO as the external source of the TV.



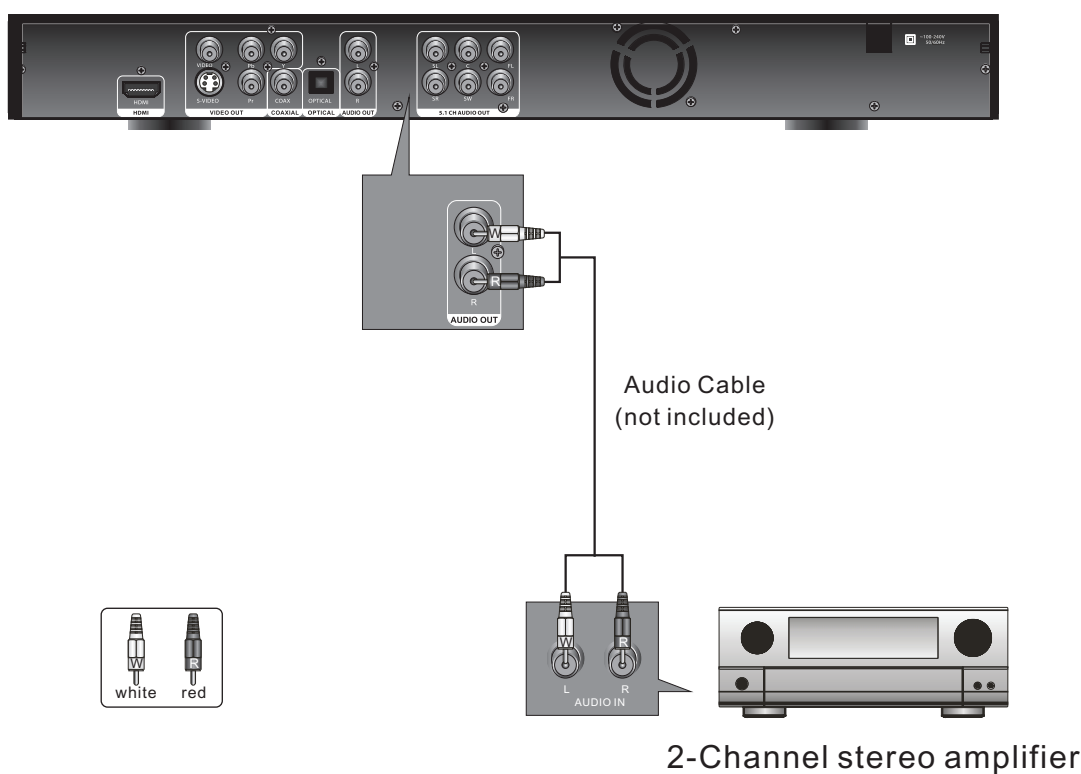
[NOTE]:

- Noise may be generated if the audio cable placed too close to the power cable.
- If you want to connect to an Amplifier, please refer to the Amplifier connection Pages.
- The number and position of terminals may vary depending on your TV set. Please refer to the use's manual of your TV.
- If there is one audio input terminal on the TV, connect it to the [AUDIO OUT] [left] (white) terminal of the Blu-ray disc player.
- The VIDEO source is always output in 480i resolution regardless of the set resolution in the SETUP menu.

Connections

Connecting to an audio system (2 channel amplifier)

1. Using the audio cables (not included), connect the AUDIO (red and white) OUT terminals on the rear of the Blu-ray disc player to the AUDIO (red and white) IN terminals of your Amplifier.
2. Using the video signal cable (s), connect the HDMI, COMPONENT, S-VIDEO or VIDEO OUT terminals on the rear of the Blu-ray disc player to HDMI, COMPONENT, S-VIDEO or VIDEO IN terminal of your TV .
3. Turn on the Blu-ray disc player, TV and Amplifier.
4. Press the input select button of the Amplifier to select the external input in order to hear sound from the Blu-ray disc player. Refer to your Amplifier's user manual to set the Amplifier's audio input.



[NOTE]:

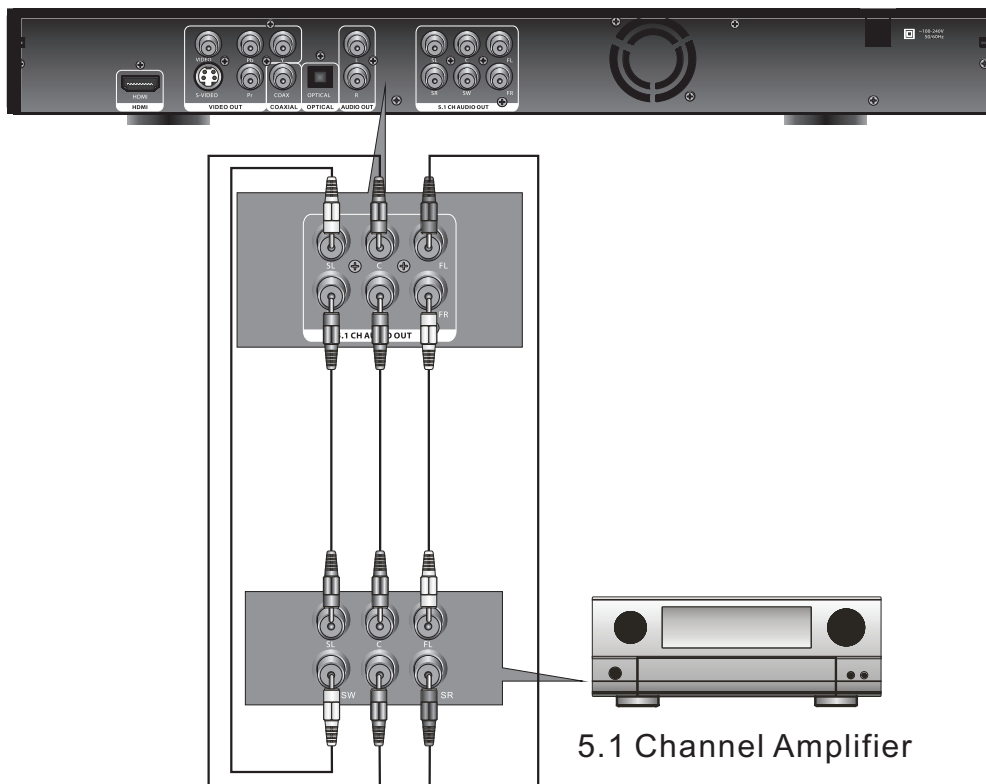
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

Connections

Connecting to an audio system (5.1 channel amplifier)

1. Using the audio cables, connect the 5.1 ANALOG AUDIO OUT (Front R, Back L, CENTER, SUBWOOFER, Surround L, Surround R) terminals on the rear of the Blu-ray disc player to the 5.1 Channel ANALOG AUDIO IN (Front R, Front L, CENTER, SUBWOOFER, Surround L, Surround R) terminal of your Amplifier.
2. Using the video signal cable (s), connect the HDMI, COMPONENT, S-VIDEO or VIDEO OUT terminals on the rear of the Blu-ray disc player to HDMI, COMPONENT, S-VIDEO or VIDEO IN terminal of your TV as described.
3. Turn on the Blu-ray disc player, TV and Amplifier.

Press the input select button of the Amplifier to select the external input in order to hear sound from the Blu-ray disc player. Refer to your Amplifier's user manual to set the Amplifier's audio input.



[NOTE]:

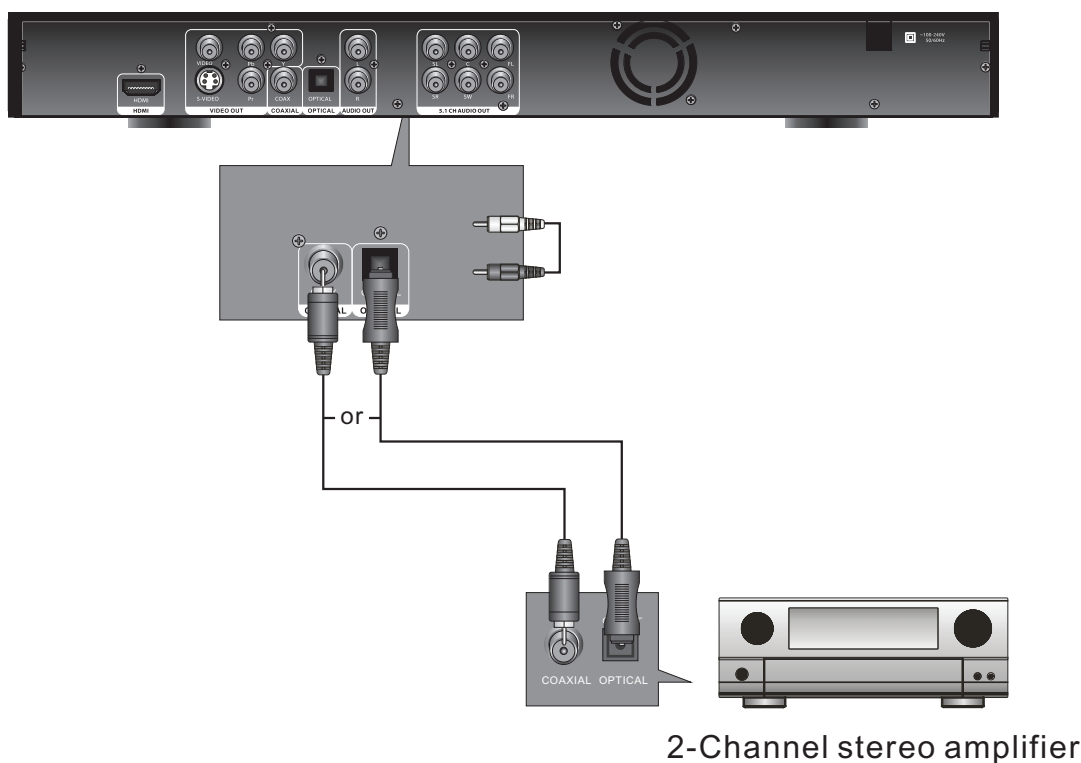
- Please turn the volume down when you turn on the Amplifier. Sudden loud sound may cause damage to the speakers and your ears.
- Please set the audio in the menu screen according to the Amplifier.
- The position of terminals may vary depending on the Amplifier. Please refer to the use's manual of your Amplifier.
- The front left and right outputs on your player and 5.1 channel amplifier must be connected to hear disc menu audio from certain Blu-ray discs.

Connections

Connecting to an audio system (DOLBY Digital, DTS amplifier)

1. If using an optical cable (not included), connect the DIGITAL AUDIO OUT (optical) terminal on the rear of the Blu-ray disc player to the DIGITAL AUDIO IN (optical) terminal of your Amplifier.
2. If using a coaxial cable (not included), connect the HDMI, COMPONENT, S-VIDEO or VIDEO OUT terminals on the rear of the Blu-ray disc player to HDMI, COMPONENT, S-VIDEO or VIDEO IN terminal of your TV.
3. Turn on the Blu-ray disc player, TV and Amplifier.

Press the input select button of the Amplifier to select the external input in order to hear sound from the Blu-ray Disc player. Refer to your Amplifier's user manual to set the Amplifier's audio input.



[NOTE]:

- Please turn the volume down when you turn on the Amplifier. Sudden loud sound may cause damage to the speakers and your ears.
- Please set the audio in the menu screen according to the Amplifier.
- The position of terminals may vary depending on the Amplifier. Please refer to the use's manual of your Amplifier.
- When using this connection, Blu-ray Discs with an LPCM audio soundtrack will only be heard over the front two channels.

Basic Functions of Your Blu-ray Disc Player

This section introduces basic playback functions and playback by disc type.

BEFORE PLAYING

- Turn on your TV and set it to the correct Video Input (the input the Blu-ray player is connected to).
- If you connected an external Audio System, turn on your Audio System and set it to the correct Audio Input.

After plugging in the player, the first time you press the POWER button, this screen comes up:



Note:

- Discs which cannot be played on this player.

BD-R	BD-RE	HD DVD	DVD+RW
DVD+R	DVD-ROM	DVD-RAM	CDV
CD-ROM	CVD	CD-I	
Super Audio CD(except CD layer)	CDGs play audio only, not graphics.		

- Ability to play back may depend on recording conditions.

DVD-R	CD-RW/R	DVD-RW (V mode)
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The unit may not play certain CD-R, CD-RW and DVD-R due to the disc type or recording conditions.

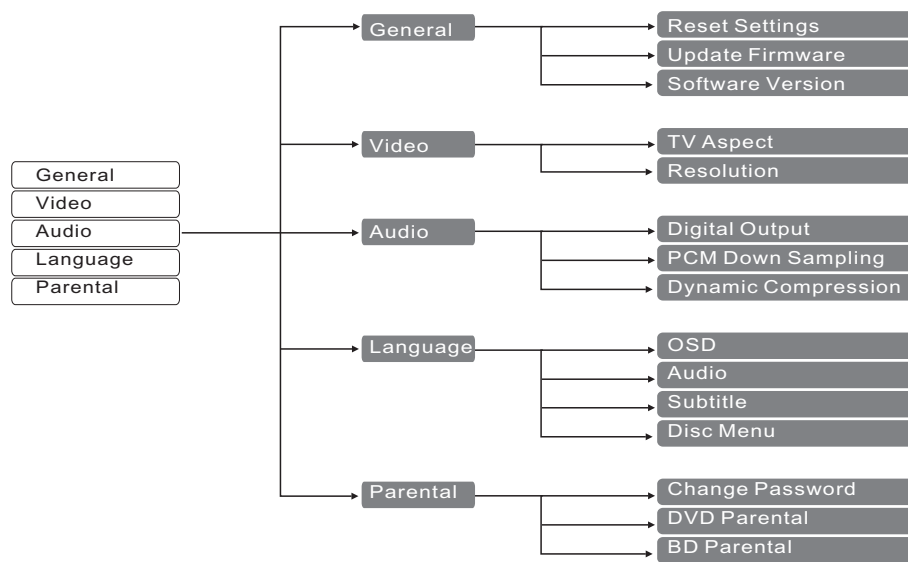
- Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible and not every disc will playback.

For additional information, refer to the Disc Type and Characteristics and Compliance and Compatibility Notice sections of this Manual. If you encounter compatibility problems, please contact SAMSUNG customer care center.

- The unit cannot play CD-R/-RW and DVD-RW/-R recorded content such as divx, avi, mpg, mov, wma.

Basic Functions of Your Blu-ray Disc Player

ON-SCREEN MENU NAVIGATION



PLAYING A DISC

1. Press the OPEN/CLOSE(▲) button, and then the tray opens.
2. Place a disc gently into the tray with the disc's label facing up.
3. Press the PLAY/PAUSE(►||) button or OPEN/CLOSE(▲) button to close the disc tray
4. The player will playback the disc, when the unit detecting the disc is available.

Note:

- When you stop disc play, the player remembers where you stopped, so when you press PLAY/PAUSE(►||) button again, it will pick up where you left off.
- Press the STOP(■) button twice during playback to disable the Resume function.
- To pause the playback, press the PLAY/PAUSE(►||) button during playback.
To resume, press the PLAY/PAUSE(►||) button once again.

Basic Functions of Your Blu-ray Disc Player

Skipping Tracks

During playback, press the **⏮ ⏭** button.

When playing a BD/DVD, if you press the **⏭** button, it moves to the next chapter. If you press the **⏮** button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.

SLOW MOTION PLAY/STEP MOTION PLAY

Slow Forward Play

In pause or step mode, press the SLOW button on the remote control for Slow Forward play.

- To return to normal speed playback, press the PLAY button.

Note:

- This () icon indicates an invalid button press.
- No sound is heard during slow mode.

Step Forward Play

Press the STEP button on the remote control during play for Step Forward play.

- Each time the button is pressed a new frame will appear.
- When the STEP button is pressed, the next frame will be activated.
- Press the PLAY/PAUSE (**▶||**) button to resume normal play.

Note:

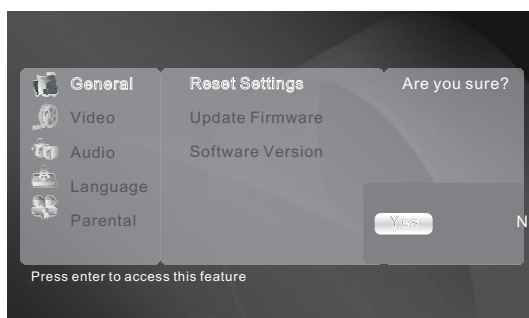
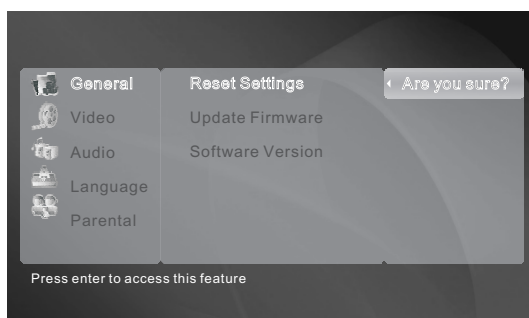
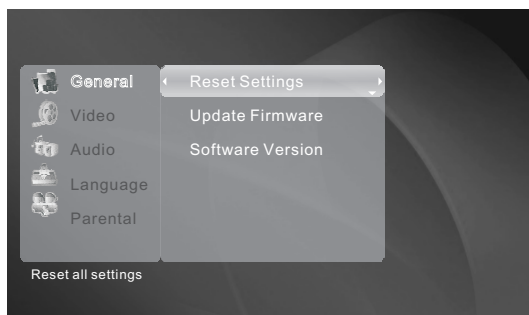
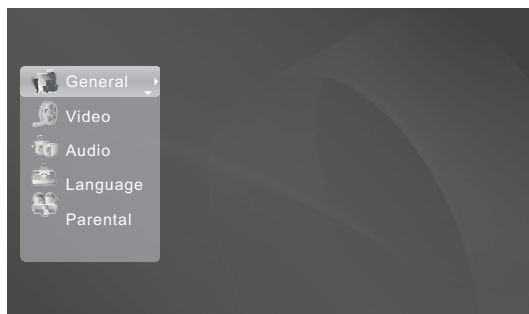
- No sound is heard during step mode.

System setup

For your convenience, configure proper settings for the external device to connect or any other environment before using the player.

Reset Setting

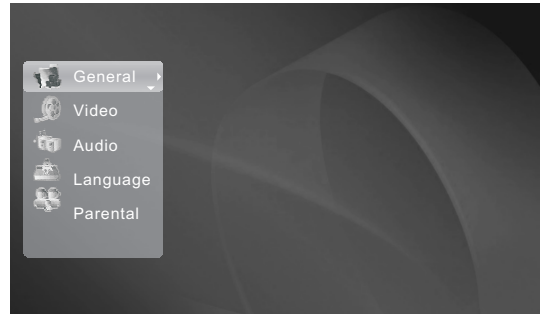
1. With the unit in No Disc mode, press the SETUP button.
2. Press the ▲ ▼ buttons to select General, then press the ENTER or ► button.
3. Press the ▲ ▼ buttons to select Reset Setting, then press the ENTER or ► button.



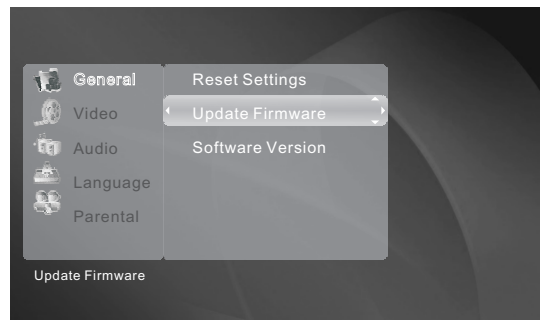
System setup

Firmware Upgrade

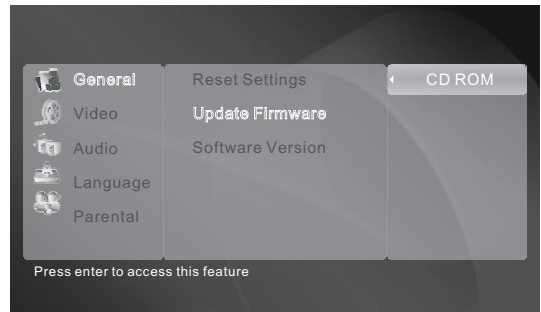
1. With the unit in No Disc mode, press the SETUP button.
2. Press the ▲ ▼ buttons to select General, then press the ENTER or ► button.



3. Press the ▲ ▼ buttons to select Upgrade Firmware , then press the ENTER or ► button.



4. Press the ► button to select CD ROM, then press the ENTER button.

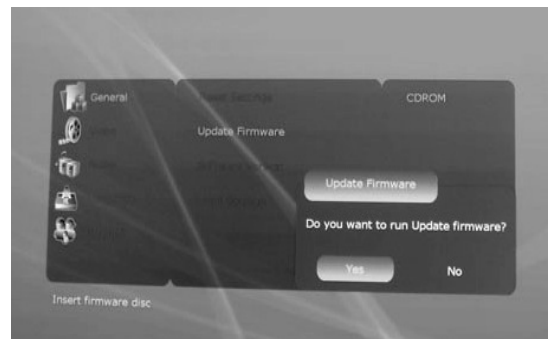


5. You will see a window that ask whether you want to run update firmware.
6. If "Yes", please insert firmware disc.
7. You can view available audio file on the disc, then press "RETURN" button.
8. According to the message and reboot the unit.

If the upgrade is possible : You will see information on the current and new versions of firmware in a message box.

9. If the upgrade is possible, the unit will upgrade the firmware from CD ROM.

- If the upgrade is not possible : You will see the following description in the message box.



System setup

- If the cable is not connected :
"This system can not connect to internet for update. Please, check the network setup."
- If the network connection has failed :
"This system can not connected to internet for update. Please, check the network setup"
- If no later version is released (the latest version has been already installed) :
"The latest version of the firmware is already installed. There is no need to update."
- If there is a disc in the player :
"Please maintain "No Disc" state for network update."
This indicates that you must remove all discs from the unit to perform the update.

10. According to the message on the screen to reboot the unit.

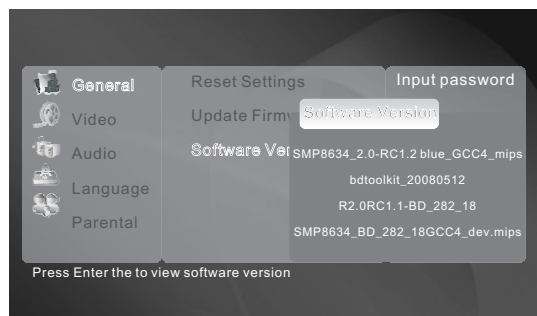
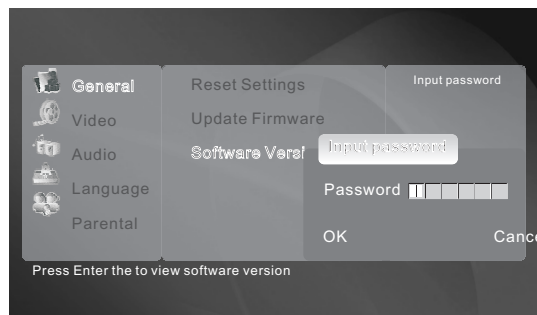
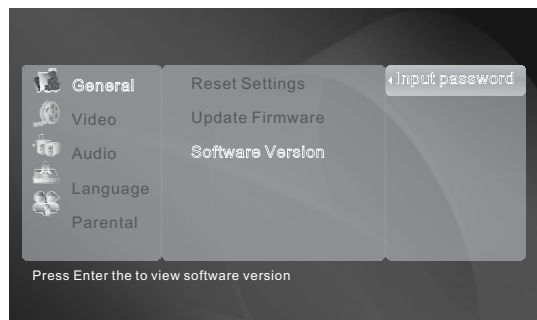
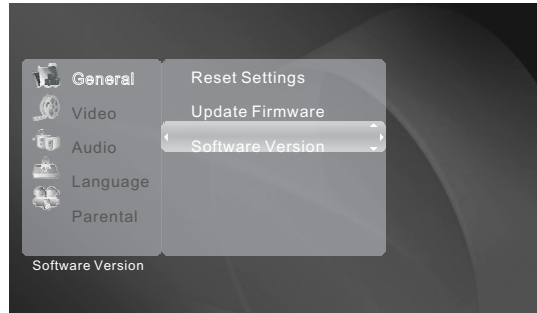
System setup

SYSTEM INFORMATION

When the firmware upgrade is done, check the firmware details by following the steps below.

1. With the unit in Stop mode, press the SETUP button.
2. Press the ▲ ▼ buttons to select System Upgrade, then press the ENTER or ► button.
3. Press the ▲ ▼ buttons to select System Information, then press the ENTER or ► button.
You can see detailed information about the current firmware.

- If DHCP is set to On, you can't select IP Address, Subnet Mask or Gateway.
- If DNS is set to Automatic, you can't select Primary / Secondary DNS.



System setup

SETTING UP THE VIDEO DISPLAY / OUTPUT OPTIONS

This function allows you to setup the TV screen settings. This function depends on the disc or TV type. It may not work with some discs or TVs.

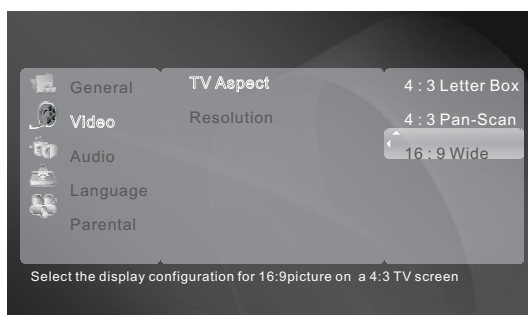
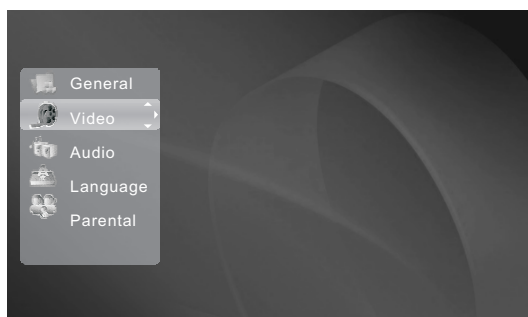
1. With the unit in Stop mode, press the SETUP button.
2. Press the ▲ ▼ buttons to select VIDEO Setup, then press the ENTER or ► button. Video setup menu will be displayed.

3. Press the ▲ ▼ buttons to select the desired display option from the options on the following pages.

4. Press the ENTER or ► buttons to select the desired sub-menu item from a video display option, then press the ENTER button.

Note:

Press the RETURN or ► button to return to the previous menu. Press the MENU button to exit the menu.



Picture Aspect

Depending on the type of television you have, you may want to adjust the screen setting. (aspect ratio)



* 4:3 Pan-Scan :

Select this for conventional size TV when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)



* 4:3 Letter Box :

Select when you want to see the total 16:9 ratio screen BD/DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.



* 16:9 Wide :

You can view the full 16:9 picture on your wide screen TV.

Note:

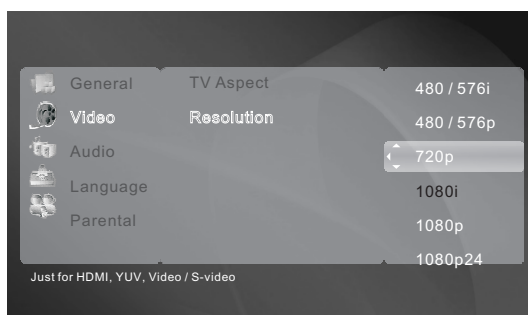
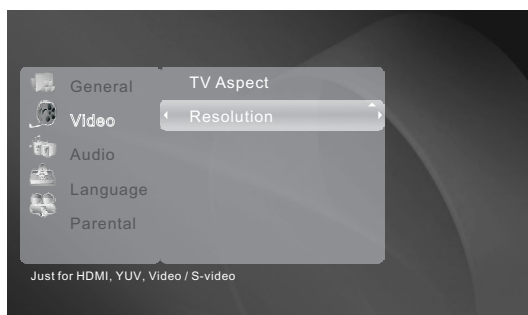
- Depending on the disc type, some aspect ratios may not be available.
- Certain movies will be displayed in 4:3 Pillar box (black bars on sides of picture) even if 16:9 wide is selected.

System setup

Resolution

Sets the output resolution of the Component and HDMI video signal.

- The number in 480i, 480p, 720p, 1080p and 1080i indicates the number of lines of video. The i and p indicate interlace and progressive scan, respectively.
 - 480/576i: Outputs 480 lines of interlaced video / Outputs 576 lines of interlaced video.
 - 480/576p: Outputs 480 lines progressive video / Outputs 576 lines progressive video.
 - 720p: Outputs 720 lines of progressive video.
 - 1080i: Outputs 1080 lines of interlaced video.
 - 1080p24: Outputs 1080 lines of progressive video.



If the connected TV does not support the movie frame or the selected resolution, you will see the following message:
If you select Yes and the resolution is not supported, the TV's screen will be blank.

Note:

If the screen is blank, press and hold the **▶▶** button on the front of the player for more than 5 seconds (no disc inserted). All settings are restored to the factory default. Follow the steps on the previous page to access each mode and select the Display Setup that your TV will support.

Resolution according to the output mode

- BD playback

Setup \ Output	HDMI	Component	VIDEO/S-Video
1080p, Movie Frame(24Fs) off	1080P@60F	1080i	480i
1080p/1080i, Movie Frame (24Fs) on	1080P@24F	1080i	480i
1080i, Movie Frame (24Fs) off	1080i	1080i	480i
720P	720P	720P	480i
480P	480P	480P	480i
480i	480P	480i	480i

- DVD playback

Setup \ Output	HDMI	Component	VIDEO/S-Video
1080p	1080P@60F	480P	480i
1080i	1080i	480P	480i
720P	720P	480P	480i
480P	480P	480P	480i
480i	480P	480i	480i

System setup

Note:

- This player has the HDMI Auto Detect Feature. When the player is first connected to a TV via HDMI, the player's output will be set automatically to HDMI.
- If the HDMI Auto Detection feature does not work, you can't select the 1080p resolution or Movie Frame (24Fs).
- The BD disc must have the 24 frame feature in order to use the Movie Frame (24Fs) mode.
- If you have both HDMI and Component cables connected to your TV, the Component resolution may differ from the chart above.

System setup

SETTING UP THE AUDIO OPTIONS

Allows you to set up the Audio device and sound status depending on the audio system being used with the player.

1. With the unit in Stop mode, press the MENU button.
2. Press the ▲ ▼ buttons to select Setup, then press the ENTER button.
3. Press the ▲ ▼ buttons to select Audio Setup, then press the ENTER or ► button.

4. Press the ▲ ▼ buttons to select the desired audio option from the options described below, then press the ENTER button.
5. Press the ▲ ▼ buttons to select the desired item, then press the ENTER button.

Note:

- Press the RETURN or ◀ button to return to the previous menu.
- Press the SETUP button to exit the menu.

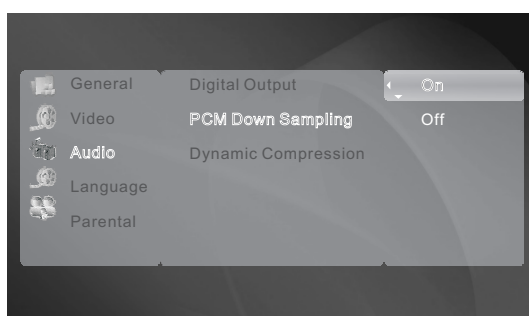
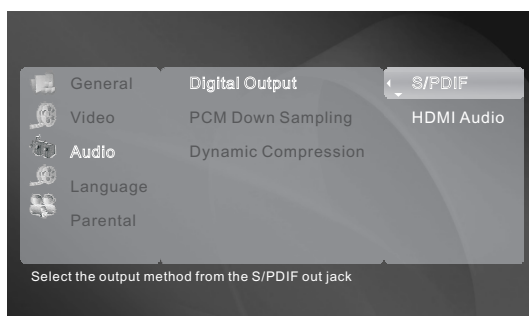
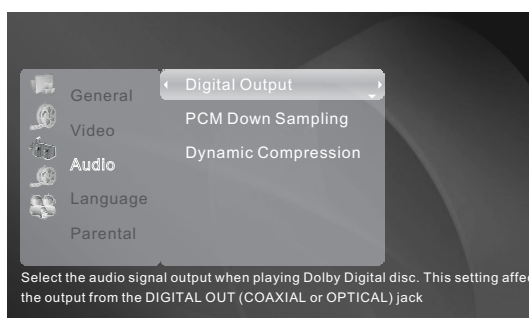
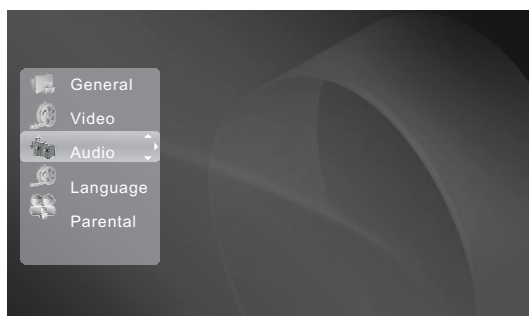
Digital Output

Digital Output: Select this when your equipment does not decode Dolby Digital.

- S/PDIF: Select this when your equipment connected Via Optical / Coaxial cable.
- HDMI Audio: Select this when your equipment connected Via HDMI cable.

PCM Down Sampling

- On: Select this when the Amplifier connected to the player is not 96KHz compatible. 96KHz signals will be down converted to 48KHz
- Off: Select this when the Amplifier connected to the player is 96KHz compatible. Signals will be output without any changes.



System setup

Note:

- Even when PCM Down Sampling is set to Off, some discs will only output down sampled audio through the coaxial and optical digital outputs.

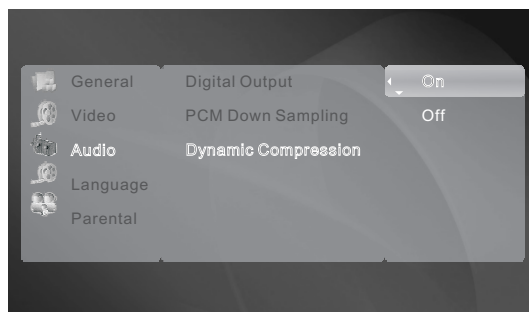
Digital Output - HDMI:

- If your TV is not compatible with compressed multi-channel formats (Dolby Digital, DTS), you should set Digital Audio to PCM.
- If your TV is not compatible with LPCM sampling rates over 48kHz, you should set PCM Down Sampling to On.

Dynamic Compression

This is only active when a Dolby Digital signal is detected.

- Off: You can enjoy the movie with the standard Dynamic Range.
- On: When Movie soundtracks are played at low volume or from smaller speakers, the system can apply appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.

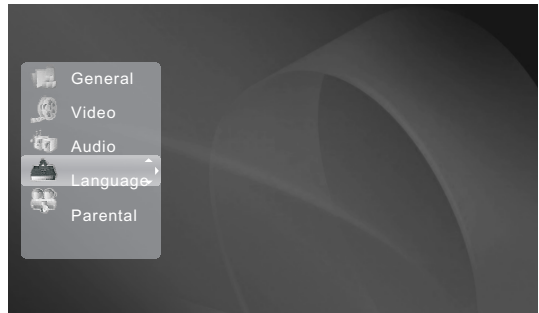


System setup

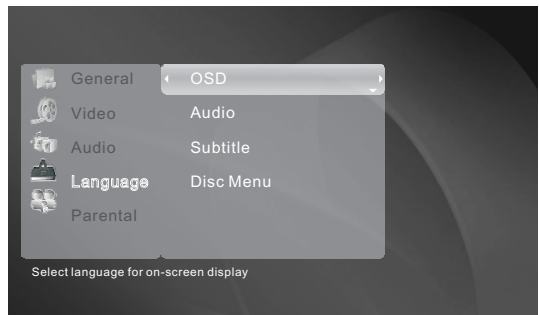
SETTING UP THE LANGUAGE OPTIONS

If you set the audio, subtitle, disc menu and player menu, in advance, they will come up automatically every time you watch a movie.

1. With the unit in Stop mode, press the SETUP button.
2. Press the ▲ ▼ buttons to select Setup, then press the ENTER button.

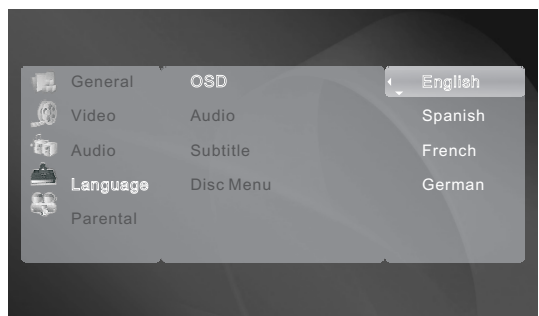


3. Press the ▲ ▼ buttons to select Language Setup, then press the ENTER or ► button. Language setup menu will be displayed.



4. Press the ▲ ▼ buttons to select the desired language option, press the ENTER or ► button.

- Audio: For the disc audio language.
- Subtitle: For the disc subtitles.
- Disc Menu: For the disc menu contained on the disc.
- OSD: For the on-screen menu of your Blu-ray Disc Player.



5. Press the ▲ ▼ buttons to select the desired language, then press the ENTER button.

Note:

- Press the RETURN or ◀ button to return to the previous menu. Press the SETUP button to exit the menu.
- The selected language will only appear if it is supported on the disc.

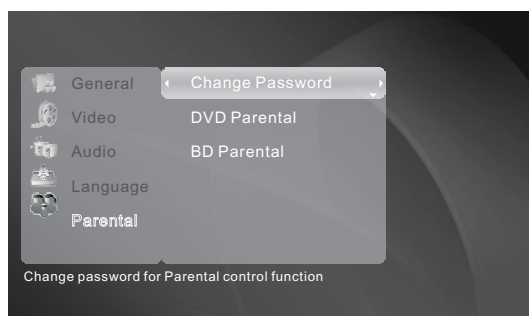
System setup

SETTING UP THE PARENTAL LOCK

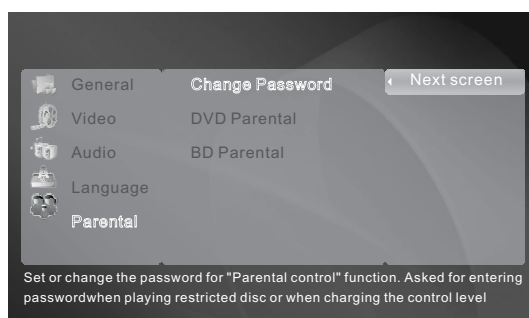
The Parental Lock function works in conjunction with BD/DVDs that have been assigned a rating which helps you control the types of BD/DVDs that your family watches. There are up to 8 rating levels on a disc.

Change the password

1. With the unit in Stop mode, press the SETUP button.

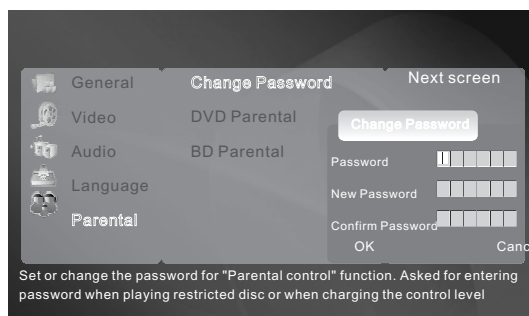


2. Press the ▲ ▼ buttons to select Parental Setup, then press the ENTER or ► button.



3. The original password is "000000", if you want to change the password, please press the ▲ ▼ buttons to select Parental Setup, then press the ENTER or ► button. When you operate your Blu-ray Disc Player for the first time, the "Are you sure?" message will be displayed. If "Yes", please press ENTER button.

4. Enter the 6-digit password using the number buttons on the remote control. The "Confirm the password" message will be displayed. Enter your password again. Press "OK" finish the password set.



Note:

- Press the RETURN or ◀ button to return to the previous menu.
- Press the MENU button to exit the menu.

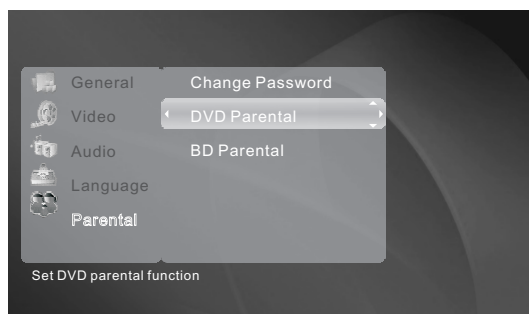
If you forgot your password

1. Remove the disc.
2. Press and hold the ►►► button on the front panel for 5 seconds or more.
 - All settings will revert to the factory settings.

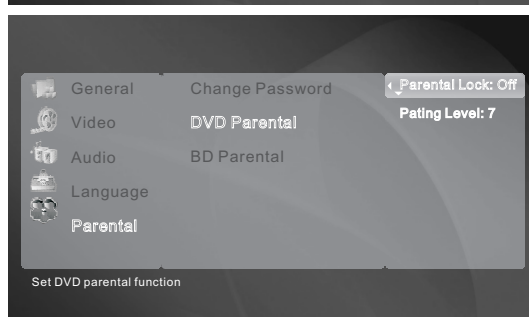
System setup

Setting the DVD Rating Level

1. Press the ▲ ▼ buttons to select DVD Parental, then press the ENTER or ► button.



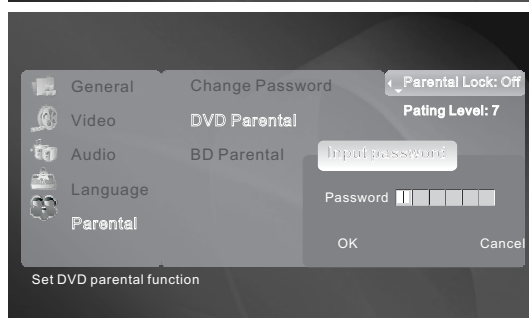
2. Select Change level, then press ENTER and the "Change Parental level" will be display.



3. Input the 6-digital password. Press the ◀ ▶ buttons to select Off or the rating level you want, then press the ENTER button. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.

A larger number indicates that the program is intended for adult use only.

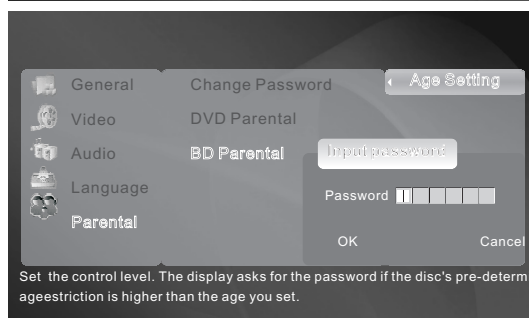
Level 1 is the most restrictive and Level 8 is the least.



Setting the BD Rating Level

1. Press the ▲ ▼ buttons to select DVD Parental, then press the ENTER or ► button.

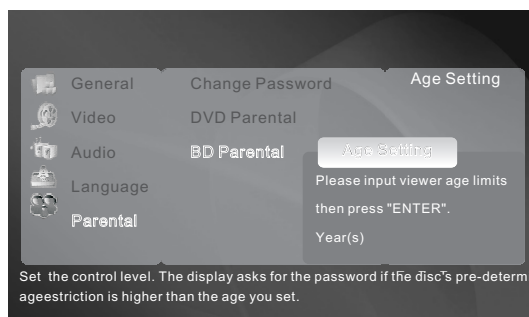
2. Select Change level, then press ENTER and the "Change Parental level" will be display.



3. Input the 6-digital password. Press the ◀ ▶ buttons to select Off or the rating level you want, then press the ENTER button. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.

A larger number indicates that the program is intended for adult use only.

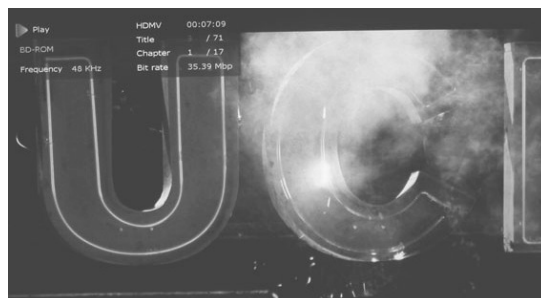
Level 1 is the most restrictive and Level 8 is the least.



Watching a Movie

USING THE DISPLAY FUNCTION

1. During playback, press the INFO button on the remote control.
2. Press the ▲ ▼ buttons to select the desired item.
3. Press the NUMBER buttons to make the desired setup and then press the ENTER button.
 - You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from a desired time.
4. To make the screen disappear, press the INFO button again.



Note:

- If you are playing contents from the Info menu, in some cases, playback may malfunction depending on the title.
- Title : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a BD/DVD, each movie will be identified as a Title.
- Chapter: Most BD/DVD discs are recorded in chapters so that you can quickly find a specific passage.
- Audio : Refers to the film's soundtrack language. A BD disc can contain up to 32 audio languages and a DVD up to 8.
- Playing Time : Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
- Subtitle : Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A BD disc can contain up to 255 subtitle languages, and a DVD up to 32.
- Angle : When a BD/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Watching a Movie

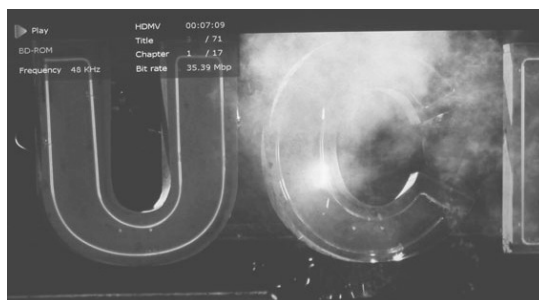
USING THE TOP MENU & POP MENU

Using the Top Menu

1. During playback, press the DISC MENU button on the remote control.
2. Press the ▲▼◀▶ buttons to make the desired setup, then press the ► or ENTER button.
 - The Disc menu setup items may vary from disc to disc.

Note:

- Depending on the disc, the Top Menu may not be available.

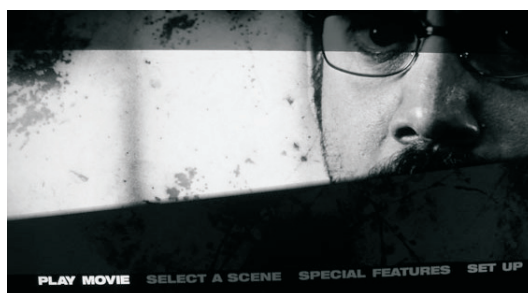


Using the Pop Menu

1. During playback, press the POP MENU button on the remote control.
2. Press the ▲▼◀▶ buttons or ENTER button to select the desired menu.
 - The Pop menu setup options may vary from disc to disc.

Note:

- Depending on the disc, the Pop Menu may not be available.



Watching a Movie

REPEAT PLAY

Repeat the current chapter or title.

Repeat playback

1. During playback, press the REPEAT button on the remote control. Repeat screen appears.
2. Press the REPEAT button to select.

Note:

Depending on the disc, the Repeat function may not be available.

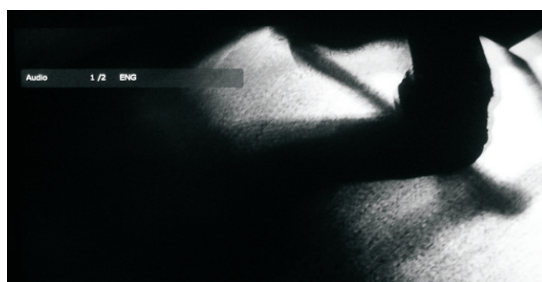


SELECTING THE AUDIO LANGUAGE

You can select a desired audio language quickly and easily with the AUDIO button.

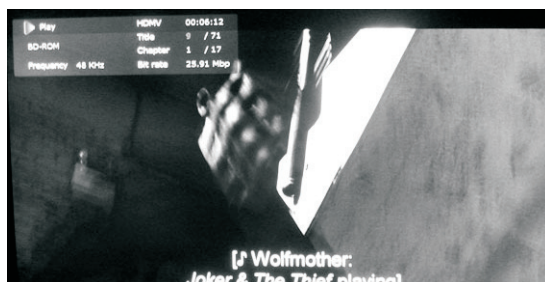
Using the AUDIO button

1. Press the AUDIO button during playback. The Audio changes when the button is pressed repeatedly.
 - The audio languages are represented by abbreviations.
2. To remove the AUDIO icon, press the RETURN button.



Using the INFO button

1. During playback, press the INFO button on the remote control.
2. The information of the disc will be displayed on the screen.
3. Press the ▲ or ▼ to select Title or Chapter, then press ◀ ▶ to select which Title or Chapter you want to go.



SELECTING THE SUBTITLE LANGUAGE

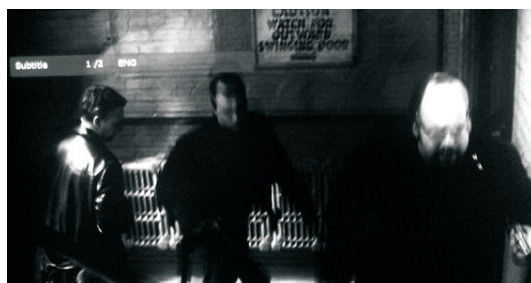
You can select a desired subtitle quickly and easily with the SUBT button.

Using the SUBT button

1. Press the SUBT button. The subtitle changes when the button is pressed repeatedly. The subtitle languages are represented by abbreviations.
2. To remove the SUBTITLE icon, press the RETURN button.

Note:

- Depending on BD/DVDs, you may have to change the desired subtitle in the Disc Menu. Press the POP MENU button.
- This function depends on what subtitles are encoded on the disc and may not be available on all BD/DVDs.
- A BD disc can contain up to 255 subtitle languages and a DVD up to 32.



Watching a Movie

CHANGING THE CAMERA ANGLE

When a BD/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Using the ANGLE function

1. During playback, press the ANGLE button on the remote control.
2. Press the ANGLE button repeatedly to select the witch mode you need.

Note:

- If the disc has only one angle, this feature won't work. Currently, very few discs have this feature.
- Depending on the disc, these functions may not work.



Listening to Music

PLAYING AN AUDIO CD (CD-DA)

1. Insert an Audio CD (CD-DA) into the disc tray.
For an audio CD, the first track will be played automatically.
2. Press the ▲ ▼ buttons to select the track you want to play, and then press the ENTER button.

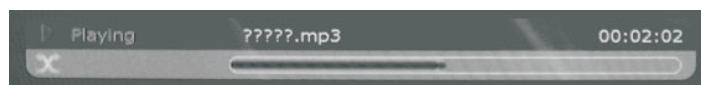
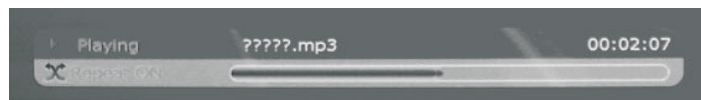


PLAYING AN Mp3 (with CD or USB memory stick)

1. Insert an MP3 disc into the disc tray or insert a USB memory stick into the front USB connector (for USB, press the SUBT/USB button to select enter into USB mode). The Menu screen is displayed.
2. Press the ▲ ▼ buttons to select Music (Audio), then press ENTER.
 - The Music List is displayed.
3. Press the ▲ ▼ buttons to select the MP3 file you want to play, and then press the ENTER button.



AUDIO CD(CD-DA)/MP3 SCREEN ELEMENTS

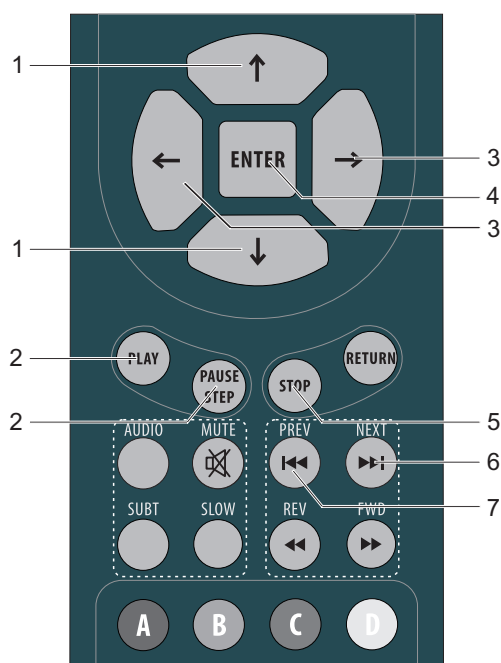


Displays the media type.
Current track (song)
Audio CD(CD-DA) : Displays the number of the track currently being played.
MP3 : Displays the name of the track currently being played.

Play Status Bar.
Displays the current play index, total track number.
Current /Total Play Time.
Displays available COLOR buttons. (see next page for Color button usage).

Listening to Music

BUTTONS ON THE REMOTE CONTROL USED FOR AUDIO CD (CD-DA)/ MP3 MUSIC PLAYBACK



1. ▲ ▼ buttons: Selects a track(song) or a folder in Music List or Playlist.
2. PLAY/PAUSE/STEP button: Plays the currently selected track. If pressed during playback, the current track is paused.
3. ◀ ▶ buttons
▶ : Moves to the applicable folder or plays the applicable track, according to the current position.
◀ : Moves to the parent folder.
4. ENTER button : Plays the selected track (song).
5. STOP (■) button: Stops a track (song).
6. NEXT (▶▶) button: During playback, plays the next track. Moves to the next page in the Music List or the Playlist.
7. PREV (◀◀) button: Returns to the beginning of the current track when pressed during playback. If pressed again, your Blu-ray Disc Player moves to and plays the previous track.
If you press this button within three seconds after playback starts, the previous track will be played.
If you press this button after three seconds, the current track will be replayed from the beginning.
Moves by the page in the Music List or the Playlist.

REPEAT AUDIO CD(CD-DA) & MP3

During playback, press the REPEAT button repeatedly to select the repeat mode you want.

When playing an Audio CD (CD-DA):

When playing an MP3 disc:

To return to normal playback:

Press the REPEAT button repeatedly to return to normal playback.

Viewing Pictures

VIEWING PICTURES (from CD or USB Memory Stick)

1. Insert a Picture disc into the disc tray or insert a USB memory stick into the front USB connector (for USB, press the SUBT/USB button to select enter into USB mode). The Menu screen is displayed.
2. Press the ▲ ▼ buttons to select Picture, then press ENTER. The Picture List is displayed.



- Press ▲ ▼ to select picture which you want to view.

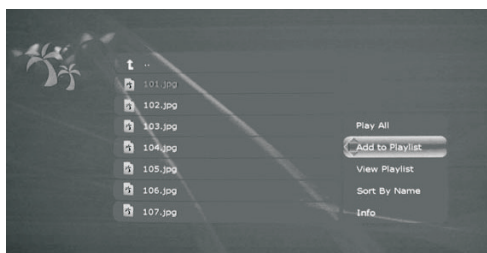
ABOUT THE PLAY LIST

- You can create play list when you play the media disc, the player will play the media according to the play list.



HOW TO CREATE A PLAYLIST

- Refer listening music, viewing picture setup.
- When you select a track , press ► button, the dialog window will be shown:

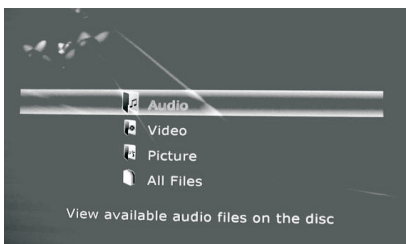


- Press ▲ ▼ button to select "Play All, Add to Playlist, View Playlist, Sort by Name, Info.
- Press ENTER button to confirm the disinfect items.

Viewing Pictures

ABOUT THE TITLE LIST

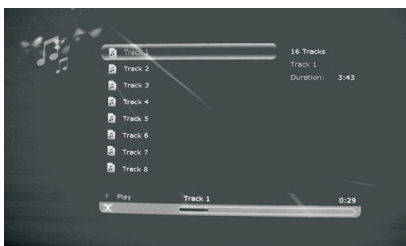
- When you insert a media disc, the Title list will be display on the screen (for USB Memory Stick Playback, insert the USB Stick into the front panel connector, press the SUBT/USB button to select enter into USB mode before proceeding)



- Press the ▲ ▼ button to select AUDIO, VIDEO picture or ALL FILES.

LISTENING TO MUSIC

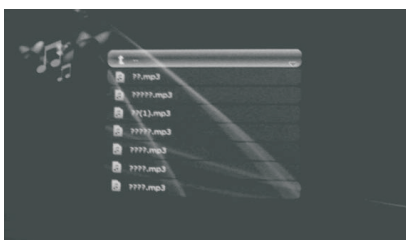
- Press the ▲ ▼ button to select AUDIO, then press ENTER.



- Select the folder by press ▲ ▼ button, press ENTER button.



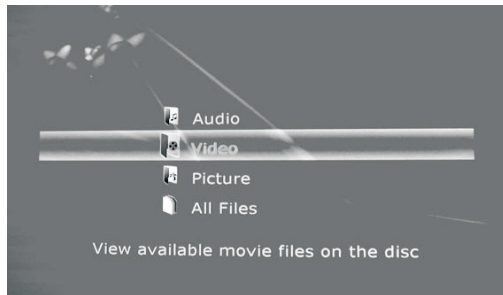
- Select the music list by press ▲ ▼ button, then press ENTER button to play.



Watching Video

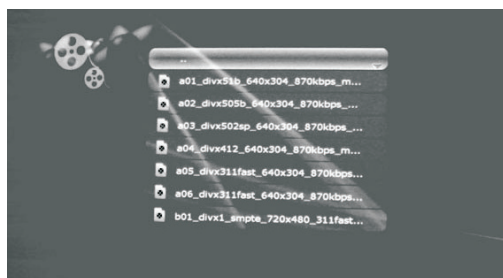
WATCHING VIDEO

1. Insert a video disc into the disc tray or insert a USB memory stick into the front USB connector (for USB, press the SUBT/USB button to select enter into USB mode). The Menu screen is displayed.
2. Press the ▲ ▼ buttons to select Video, then press ENTER. The Video List is displayed.



•



Select the folder by pressing ▲ ▼ button, then press ENTER button.



- Select the video list by pressing ▲ ▼ button, then press ENTER button to play video.

Troubleshooting

Before requesting service, please check the following.

PROBLEM	SOLUTION
No operations can be performed with the remote control	<ul style="list-style-type: none"> • Check the batteries in the remote control. They may need replacing. • Operate the remote control at a distance of no more than 20 feet. • Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall batteries and try to operate the remote control again.
Disc does not play	<ul style="list-style-type: none"> • Ensure that the disc is installed with the label side facing up. • Check the region number of the BD/DVD.
5.1 channel sound is not being reproduced	<ul style="list-style-type: none"> • 5.1 channel sound is reproduced only when the following conditions are met.: <ol style="list-style-type: none"> (1). The Blu-ray disc player is connected with the proper Amplifier (2). The disc is recorded with 5.1 channel sound. • Check whether the disc being played has the "5.1 ch" mark on the outside. • Check if your audio system is connected and working properly. • In a SETUP Menu, is the Audio Output set to Bitstream?
Disc Menu doesn't appear	<ul style="list-style-type: none"> • Check if the disc has a Menu.
The  icon appears on screen	<ul style="list-style-type: none"> • The features or action cannot be completed at this time because: <ol style="list-style-type: none"> (1). The BD/DVD's software restricts it. (2). The BD/DVD's software doesn't support the feature (e.g., angles). (3). The feature is not available at the moment. (4). You've requested a title or chapter number or search time that is out of range.
Play mode differs from the Setup Menu selection	<ul style="list-style-type: none"> • Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.
The screen ratio cannot be changed	<ul style="list-style-type: none"> • The Screen Ratio is fixed on your BD/DVDs.
No audio	<ul style="list-style-type: none"> • Make sure you have selected the correct Digital Output in the Audio Options Menu.
The screen is blocked	<ul style="list-style-type: none"> • Press the  button (in front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.

Troubleshooting

PROBLEM	SOLUTION
If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV	<ul style="list-style-type: none"> Press the ►► button (in front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.
Forgot password	<ul style="list-style-type: none"> Press the ►► button (in front panel) for more than 5 seconds with no disc inside. All settings including the password will revert to the factory settings. Don't use this unless absolutely necessary.
If you experience other problems	<ul style="list-style-type: none"> Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again.
The picture is noisy or distorted	<ul style="list-style-type: none"> Make sure that the disc is not dirty or scratched. Clean the disc.
No HDMI output	<ul style="list-style-type: none"> Check the connection between the TV and the HDMI jack of the Blu-ray disc player. Check if your TV supports 480p/720p/1080i/1080p HDMI input resolution.
Abnormal HDMI output screen	<ul style="list-style-type: none"> If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).

Specifications

General	Power Requirements	AC 120V, 60Hz
	Power Consumption	29W
	Weight	9.3 lbs
	Dimensions	16.9 (W) x 12.8 (D) x 3.1 (H) inches
	Operating Temperature Range	+41-F to +95 -F
	Operating Humidity Range	10% to 75%
Disc	BD (Blu-ray Disc)	Reading Speed: 4.917 m/sec
	DVD (Digital Versatile Disc)	Reading Speed: 3.49 ~ 4.06 m/sec
	CD: 5 inches (COMPACT DISC)	Approx. Play Time (Single Side, Single Layer Disc): 135 min
	CD: 3 1/2 inches (COMPACT DISC)	Reading Speed: 4.8 ~ 5.6 m/sec
		Maximun Play Time: 74 min
		Reading Speed: 4.8 ~ 5.6 m/sec
Maximun Play Time: 20 min		
Video Output	Composite Video	1 channel: 1.0 Vp-p (75 $\bar{7}$ load)
		Blu-ray Disc: 480i DVD: 480i
	Component Video	Y: 1.0 Vp-p (75 $\bar{7}$ load)
		Pr: 0.70 Vp-p (75 $\bar{7}$ load)
		Pb: 0.70 Vp-p (75 $\bar{7}$ load)
		Blu-ray Disc: 1080i, 720p, 480p, 480i DVD: 480p, 480i
S-Video	Luminance Signal: 1.0 Vp-p (75 $\bar{7}$ load)	
	Chrominance Signal: 0.3 Vp-p (75 $\bar{7}$ load)	
	Blu-ray Disc: 480i DVD: 480i	
Video/Audio	HDMI	1080p, 1080i, 720p, 480p
		PCM multichannel audio, Bitstream audio, PCM audio
Audio Output	2 Channel	L (1 / L), R (2 / R)
	5.1 Channel	F/L, F/R, R/L, R/R, C/T, S/W
	Digital Audio Output	Optical / Coaxial
	Frequency Response	48 kHz Sampling: 4 Hz to 22 kHz
		96 kHz Sampling: 4 Hz to 22 kHz
	S / N Ratio	110 dB
	Dynamic Range	100 dB
Total Harmonic Distortion	0.003%	

curtis mathes

