

User Guide

INSIGNIA™

Blu-Ray Disc Home Theater System

NS-BRHTIB



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CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert you to the presence of uninsulated dangerous voltage within your player's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature that came with your player.



This symbol is the symbol for CLASS II (Double Insulation).

Warning

Your player employs a laser system. Use of controls, adjustments, or the performance of procedures other than those specified may result in hazardous radiation exposure.

Visible laser radiation is present when open and interlocks defeated. **Do not stare into the beam.**




Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Important safety instructions

- 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 a 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.
- 15 To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.
- 16 An apparatus with a three-prong, grounding-type plug is a Class I apparatus, which needs to be grounded to prevent possible electric shock. Make sure that you connect this Class I device to a grounding-type, three-prong outlet.
- 17 The wall plug is the disconnecting device. The plug must remain readily operable.
- 18 Keep a minimum distance of 4 inches (10cm) around the apparatus for sufficient ventilation.
- 19 Do not install this equipment in a confined space such as book case or similar unit. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, or curtains.
- 20 Batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Blu-ray Disc Home Theater System

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-BRHTIB represents the state of the art in high-definition Blu-ray player design, and is designed for reliable and trouble-free performance.

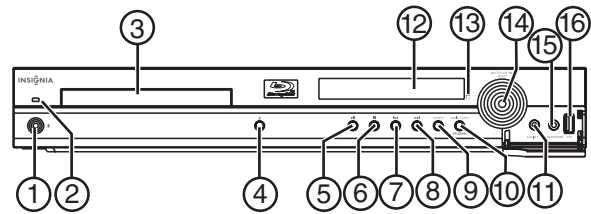
Features

- Disc capacity: one
- 640 Watts total power
- Disc compatibility: Blu-ray Discs, BD-R, BD-RE, DVD, DVD-/+R/RW, CD, CD-R/RW, MP3, and WMA
- Blu-ray Profile 2.0 with BD Live capabilities (including USB and Ethernet ports)
- Upconvert to 1080p over HDMI
- AM/FM digital tuner with 20 AM and 20 FM presets
- 85 Watts per channel @ 3% THD +/- 3 dB
- Speakers: 85 Watts per channel @ THD+N, Impedance: 6 Ohms
- Inputs: two stereo, 1/8 mini jack, one USB, one coaxial, one optical, and one HDMI
- Outputs: one stereo audio, one composite video, one component video, one HDMI, and one headphone jack

Package contents

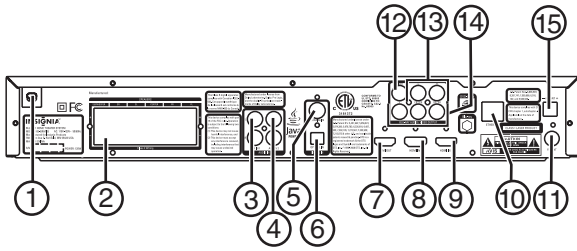
- Blu-ray Disc player
- 5.1 channel speakers
- Remote control
- Batteries (2 AAA)
- AM antenna
- FM antenna
- AV cable 3.94 feet (1.2 meter)
- Speaker wire
- *User Guide*

Front



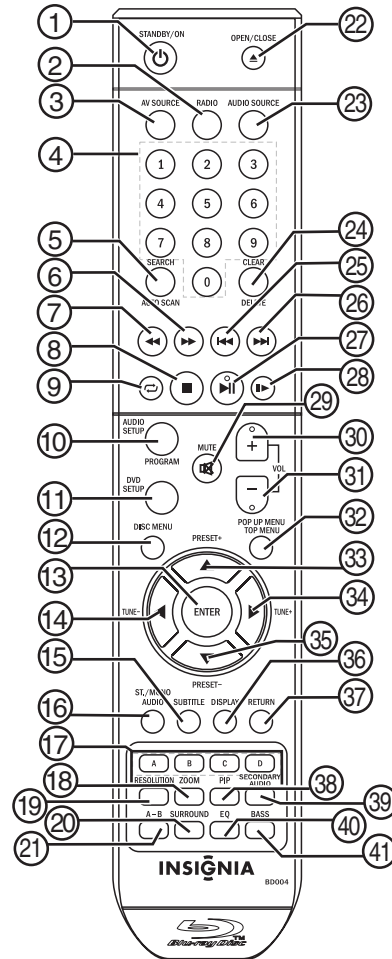
#	Item	Description
①	⏻ (standby/on)	Press to turn on your player or put your player in standby mode. When your player is in standby mode, power is still entering your player. To disconnect power, unplug the power cord.
②	Power indicator	Lights blue when your player is turned on. Lights red when your player is turned off.
③	Disc tray	Insert a disc with the label side up into this tray. To open or close the tray, press ▲ (open/close).
④	▲ (open/close)	Press to open or close the disc tray.
⑤	▶ (play/pause)	Press to start or pause playback.
⑥	■ (stop)	Press to stop playback. The <i>Setup</i> menu is displayed. To resume playback, press ◀▶▲ or ▼ to select DVD/BD-ROM , then press ENTER . Depending on the disc, playback starts where it stopped or at the beginning of the disc. If you press ■ (stop) twice, playback stops completely. To start playback again, press ▶ (play/pause).
⑦	◀◀ (previous)	Press to go to the previous title, chapter, or track. Press and hold to fast reverse.
⑧	▶▶ (next)	Press to go to the next title, chapter, or track. Press and hold to fast forward.
⑨	SOURCE	Press to select an input source. You can select COAXIAL IN, OPTICAL IN, AUX IN 1, AUX IN 2, AUX IN 3, RADIO, BD IN, HDMI IN 1, or HDMI IN 2.
⑩	AUDIO SETUP/POGRAM	Press to access audio settings. Press again to exit. In radio mode, press to manually reset a preset station.
⑪	AUX IN 3	Connect a portable media player, such as an MP3 player, to this jack.
⑫	VFD screen	Displays status information.
⑬	Remote control sensor	Receives signals from the remote control. Do not block.
⑭	MASTER VOLUME SELECT	Rotate to increase or decrease the overall volume.
⑮	HEADPHONE	Connect headphones to this jack.
⑯	USB port	Connect a USB flash drive to this port.

Back



#	Item	Description
1	Power connector	Plug the power cord into a power outlet.
2	SPEAKERS	Connect 5.1 surround sound speakers to these jacks.
3	AUX IN 1 L/R	Connect an analog audio device to these jacks.
4	AUX IN 2 L/R	Connect an analog audio device to these jacks.
5	COAXIAL IN	Connect a digital coaxial sound system to this jack.
6	OPTICAL IN	Connect a digital optical sound system to this jack.
7	HDMI OUT	Connect a TV to this jack using an HDMI cable. An HDMI cable carries both video and audio. You do not need to make an audio connection.
8	HDMI IN 1	Connect an HDMI device to this jack.
9	HDMI IN 2	Connect an HDMI device to this jack.
10	ETHERNET	Connect an ethernet cable to this jack and to a broadband Internet jack to download BD-Live information.
11	FM ANT	Connect an FM antenna to this jack.
12	VIDEO OUT	Connect the video for a composite TV to this jack.
13	AUDIO OUT	If the TV is connected to the VIDEO OUT or Y, CB/PB, and CR/PR jacks, connect the TV audio to these jacks.
14	Y, CB/PB, CR/PR component video	Connect the video for a component TV to these jacks.
15	-AM ANT+	Connect an AM antenna to these jacks.

Remote control



#	Item	Description
1	STANDBY/ON	Press to turn on your player or put your player in standby mode. When your player is in standby mode, power is still entering your player. To disconnect power, unplug the power cord.
2	RADIO	Press to toggle between the FM and AM bands.
3	AV SOURCE	Press to select an HDMI input source.
4	Numbers	In playback mode, press SEARCH , then press the number buttons to enter a title, chapter, track, or time. In menu mode, press to enter the parental code password.
5	SEARCH/AUTO SCAN	Press to search for a title, chapter, or specific time on a disc. For more information, see "Searching for a title, chapter, or elapsed time" on page 9. In radio mode, press to automatically scan for FM and AM radio stations.
6	▶▶ (fast-forward)	Press to fast forward. Each time you press this button, the fast-forward speed increases from Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x 32, Fast x 64, Fast x 128. Press ▶ (play/pause) to resume normal playback.
7	◀◀ (fast-reverse)	Press to fast reverse. Each time you press this button, the fast-reverse speed decreases from Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x 32, Fast x 64, Fast x 128. Press ▶ (play/pause) to resume normal playback.

#	Item	Description
8	■ (stop)	Press to stop playback. The <i>Setup</i> menu is displayed. To resume playback, press ◀▶ ▲ or ▼ to select DVD/BD-ROM , then press ENTER . Depending on the disc, playback starts where it stopped or at the beginning of the disc. If you press ■ (stop) twice, playback stops completely. To start playback again, press ▶▶ (play/pause).
9	↺ (repeat)	Press to repeat the current title, chapter, track, or repeat all. For more information, see "Repeating a title, chapter, or CD track" on page 9.
10	AUDIO SETUP/PROGRAM	Press to access or exit options for audio settings. In radio mode, press to manually reset presets.
11	DVD SETUP	Press to display information about your player, such as the language menu, display menu, and audio menu. Note: The setup menu appears automatically when there is no disc in the tray or when playback is stopped.
12	DISC MENU	During Blu-ray Disc or DVD playback, press to open the disc menu where you can select playback options. (This button works for DVDs that have a multi-layer menu.)
13	ENTER	Press to open the <i>Settings</i> menu. In menus, press to confirm a selection in a menu.
14	◀/TUNE-	In menus, press to return to the previous menu. In radio mode, press to tune to the next lower station.
15	SUBTITLE	Press to select a subtitle language or to turn subtitles off.
16	AUDIO/ST./MONO	Press to select the audio language or to turn audio off. In radio mode, press to toggle between stereo (ST.) and MONO.
17	A (red), B (green), C (yellow), D (blue)	When playing a Blu-ray Disc that has a Java™ application, press to control playback. For more information, see the documentation that came with the Blu-ray Disc.
18	ZOOM	Press to zoom in on the video. Each time you press this button, the magnification level changes. This button is only used for DVD discs.
19	RESOLUTION	Press to select the video resolution.
20	SURROUND	Press to select the surround audio output mode. You can select multi-channel 5.1 surround, DPL II, or Stereo .
21	A-B	Press to create a playback loop. For more information, see "Creating a playback loop on a DVD or audio CD" on page 9.
22	▲ OPEN/CLOSE	Press to open or close the disc tray.
23	AUDIO SOURCE	Press to select the audio input source.
24	CLEAR/DELETE	Press to clear an input error. In radio mode, press to delete an FM or AM station from memory.
25	◀◀ (previous)	Press to go to the previous title, chapter, or track.
26	▶▶ (next)	Press to go to the next title, chapter, or track.
27	▶▶ (play/pause)	Press to start or pause playback.
28	▶ (step)	Press to advance one frame at a time. Press ▶▶ (play/pause) to resume normal playback.
29	MUTE	Press to turn off sound. Press again to turn the sound back on.
30	VOL+	Press to increase the volume.
31	VOL-	Press to decrease the volume.

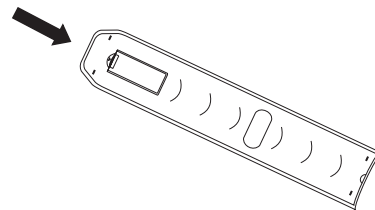
#	Item	Description
32	POP UP MENU/TOP MENU	During Blu-ray Disc playback, press to open a menu that lets you control Blu-ray Disc playback.
33	▲/PRESET+	In menus, press to go up in a list or to increase a setting. In radio mode, press to go to the next higher preset station.
34	▶/TUNE+	In menus, press to go to the next menu. In radio mode, press to tune to the next higher station.
35	▼/PRESET-	In menus, press to go down in a list or to decrease a setting. In radio mode, press to go to the previous lower preset station.
36	DISPLAY	Press to display disc information.
37	RETURN	Press to return to the previous menu.
38	PIP	Press to turn PIP (picture-in-picture) mode on or off. For more information, see "Using PIP (picture-in-picture) mode" on page 10.
39	SECONDARY AUDIO	In PIP mode, press to turn the audio for the secondary video on or off. For more information, see "Using PIP (picture-in-picture) mode" on page 10.
40	EQ	Press to select the equalizer mode. You can select CLASSIC, JAZZ, ROCK, SPORTS, or NIGHT .
41	BASS	Press to turn dynamic bass enhancement on or off.

Setting up your player

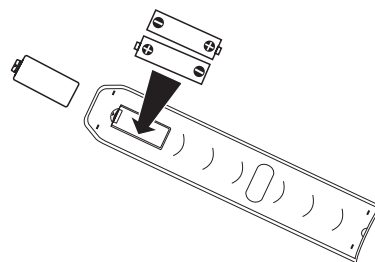
Installing remote control batteries

To install remote control batteries:

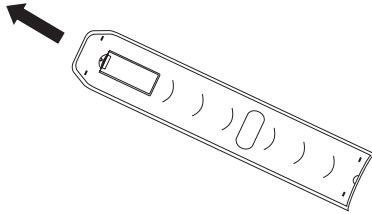
- 1 Remove the battery compartment cover.



- 2 Insert two AAA batteries into the battery compartment. Make sure that the + and - symbols on the batteries match the + and - symbols in the battery compartment.



3 Replace the battery compartment cover.



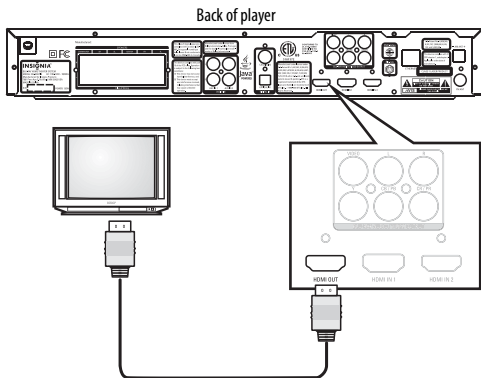
Notes

- Make sure that you insert the batteries correctly.
- Do not heat, open, or short-circuit batteries.
- Do not throw batteries into a fire.
- Do not mix different types of batteries or mix old and new batteries.
- Do not try to recharge non-rechargeable batteries.
- If the remote control does not function correctly or if the operating range becomes reduced, replace the batteries.

Connecting a TV with an HDMI cable (best)

To connect a TV with an HDMI cable:

- Connect an HDMI cable to the HDMI OUT jack on the back of your player and into the HDMI IN jack on the TV.



Notes

- Only HDMI is capable of 1080p video output.
- An HDMI cable carries both video and audio. If you want to use TV speakers, you do not need to make an audio connection.

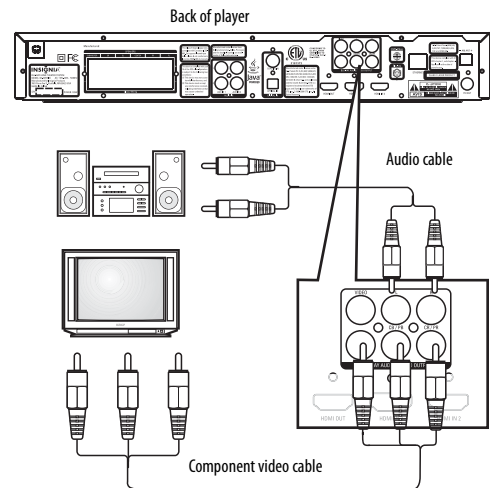
Connecting a TV with a component video cable (better)

Notes

- The following task shows connecting the audio to a receiver. If you want to use the TV speakers instead of a receiver, connect the audio cable to the TV's audio in jacks on the TV.
- High definition video (up to 1080i) is supported with a component video cable.

To connect a TV with a component video cable:

- 1 Connect a component video cable to the **Y, CB/PB, and CR/PR** jacks on the back of your player and to the **COMPONENT VIDEO IN** jacks on the TV.

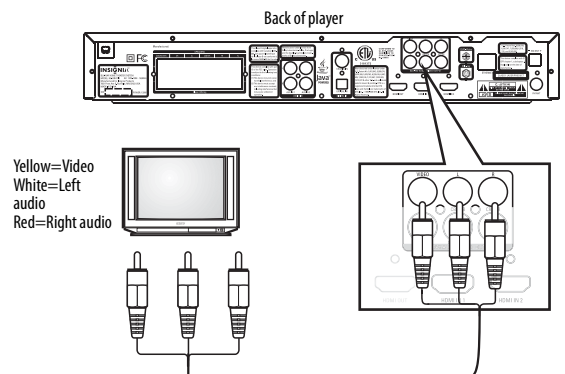


- 2 Connect an audio cable to the **AUDIO OUTPUT L and R** jacks on the back of your player and to the **AUDIO IN** jacks on the TV.

Connecting a TV with an A/V cable (good)

To connect a TV with an A/V cable:

- Connect an A/V cable to the **VIDEO** and **AUDIO OUTPUT L and R** jacks on the back of your player and to **VIDEO** and **AUDIO IN** jacks on the back of the TV. Jacks and cable connectors are usually color-coded. Make sure that you match the colors.



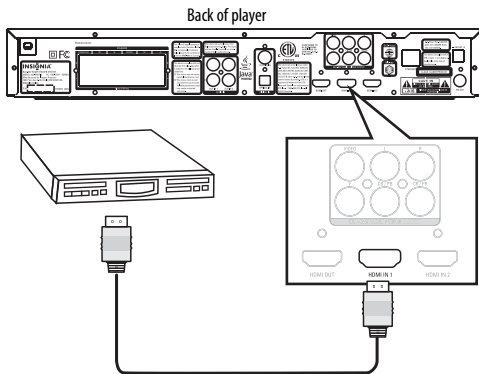
Note

The A/V cable can only send standard-definition video (480i) to your TV.

Connecting an HDMI device

To connect an HDMI device:

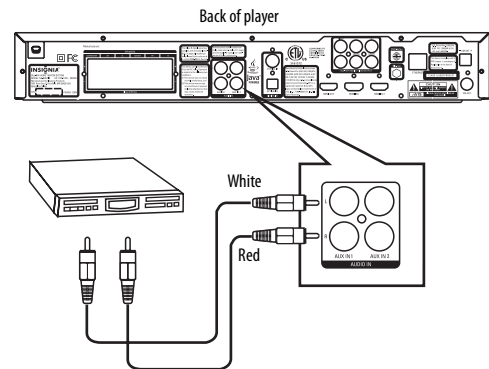
- Connect an HDMI cable to the **HDMI IN 1** or **HDMI IN 2** jack on the back of your player and to the **HDMI OUT** jack on the HDMI device such as an HDMI-equipped gaming system.



Connecting a game or audio device with a standard (stereo) audio cable

To connect a game or audio device with a standard (stereo) audio cable:

- Connect an audio cable to the **AUDIO OUTPUT L** and **R** jacks on the back of the game or audio device and to the **AUDIO IN L** and **R** jacks on your player.



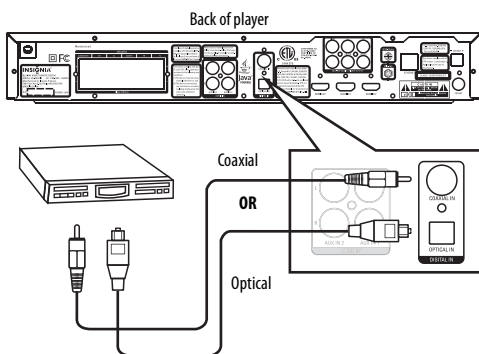
Connecting a game system or audio device with a digital audio cable

To connect a game or audio device with a digital audio cable:

- Connect a digital optical cable to the **OPTICAL OUT** jack on the back of the gaming or audio device and to the **OPTICAL IN** jack on your player.

Or

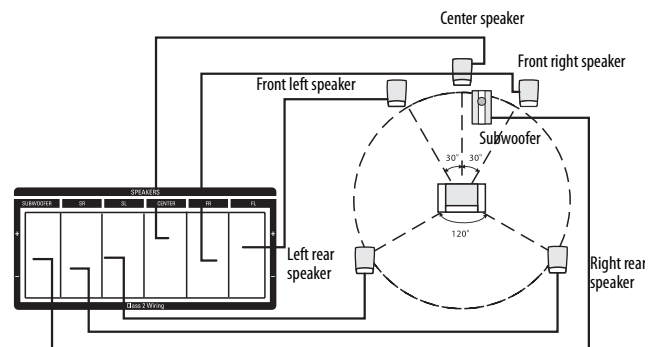
Connect a digital coaxial cable to the **COAXIAL OUT** jack on the back of the gaming or audio device and to the **COAXIAL IN** jack on your player.



Connecting speakers

To connect speakers:

- Use the following illustration to connect the speakers.



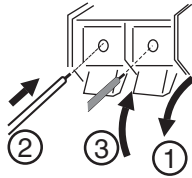
Note

- Space all speakers about the same distance from the main listening area.
- The front speakers should be placed next to the TV.
- The center speaker should be above the TV.
- The rear speakers should be about three feet (one meter) above the head of the listener.
- After you connect the speakers, you may want to adjust each channel to get the best audio performance.

Connecting radio antennas

To connect an AM antenna wires:

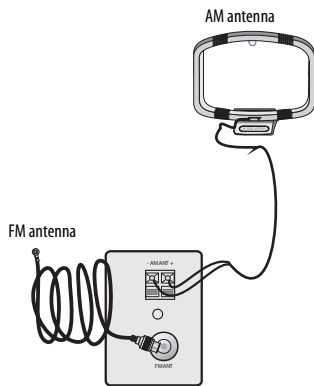
- 1 Flip the antenna wire covers down on the **-AM ANT+** jacks on the back of your player.



- 2 Insert the negative wire into the **-** jack.
- 3 Insert the positive wire into the **+** jack.

To connect antennas:

- 1 Connect the AM antenna wires by following the preceding instructions, then turn on your player, tune to a radio station, and adjust the angle of the antenna if necessary.



- 2 Connect the FM antenna to the FM antenna jack on the back of your player, then turn on your player, tune to a radio station, then attach the antenna to a wall or pillar in a direction that provides the best reception.

Using your player

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Playable discs

Disc type	Logo	Disc type	Logo
Blu-ray Disc		DVD-R	
DVD-video (DVD-ROM)		Audio CDs (CDDA)	
DVD-RAM		MP3/WMA/JPEG/Data CD	
DVD-RW			

Notes

- Writeable DVD discs (DVD-RAM, DVD-RW, DVD-R) must be finalized, VR-mode only.
- Your player supports discs that are compatible with DVD-RAM Standard Version 2.0.
- 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 discs is written in detail on the box.
- Do not allow the disc to become dirty or scratched. Fingerprints, dirt, dust, scratches or deposits of cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- CD-R/-RW, DVD-RAM/-RW/-R recorded with UDF or ISO9660 format can be played back.
- Windows Media Audio (WMA) files must be written to the disc with a .wma file extension in order to be recognized and played back correctly.
- JPEG picture files must be written to the disc with a .jpeg or .jpg file extension in order to be recognized and played back correctly.

Playing a Blu-ray Disc or DVD

To play a Blu-ray Disc or DVD:

- 1 Press **⏻** **STANDBY/ON**.
- 2 Turn on the TV, then select the input setting on the TV that matches the connection method you used to connect your player.
- 3 Press **⏏** **OPEN/CLOSE** to open the disc tray.
- 4 Place a disc on the disc tray with the label facing up, then press **⏏** **OPEN/CLOSE** to close the disc tray. It may take a few seconds for the disc to load.
- 5 If a Blu-ray Disc or DVD menu opens, press **⏪** **▶** or **⏩** **▲** or **▼** to select **PLAY**, then press **ENTER**.
- 6 To eject the disc, press **⏏** **OPEN/CLOSE**.

Controlling Blu-ray Disc or DVD playback

Note

If **⊘** appears on the screen, the current action is not permitted by the disc or your player. For example, many discs do not let you fast-forward through the warning information at the beginning of the disc.

To control Blu-ray Disc or DVD playback:

- To start or pause playback, press **⏮** **⏭** (play/pause). The sound is muted when your player is in pause mode. To resume normal playback, press **⏮** **⏭** (play/pause).
- To stop playback, press **⏹** (stop). The *Setup* menu is displayed. To resume playback, press **⏪** **▶** **▲** or **▼** to select **DVD/BD-ROM**, then press **ENTER**. Depending on the disc, playback starts where it stopped or at the beginning of the disc. If you press **⏹** (stop) twice, playback stops completely. To start playback again, press **⏮** **⏭** (play/pause). Playback starts at the beginning of the disc.
- To fast-forward, press **⏩**. Each time you press this button, the fast-forward speed changes in the following sequence: Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x 32, Fast x 64, Fast x 128. Press **⏮** **⏭** (play/pause) to resume normal playback.

- To fast-reverse, press ◀. Each time you press this button, the fast-reverse speed changes in the following sequence: Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x 32, Fast x 64, Fast x 128. Press ▶ (play/pause) to resume normal playback.
- To go to the previous chapter, press ◀◀ within two seconds after the current chapter starts. To go to the beginning of the chapter, press ◀◀ any time after playing the first five seconds of the chapter.
- To go to the next chapter, press ▶▶.
- To play one frame at a time, press ||▶ (step). Each time you press this button, the video advances one frame. Press ▶ (play/pause) to resume normal playback.

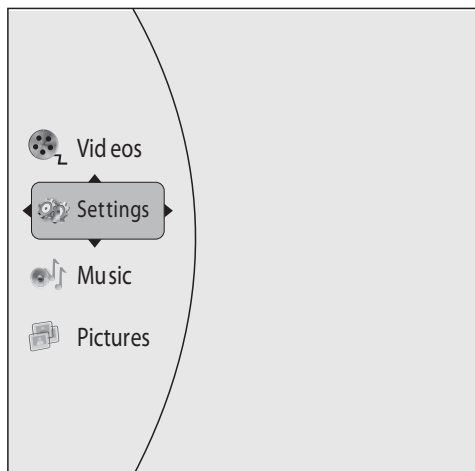
- If you want to see information about the file that is playing, press ▲ or ▼ to select **Now Playing**, then press **ENTER**. The following display appears



- ◀ Random play indicator
- ◀ Repeat indicator
- ▶ Play indicator

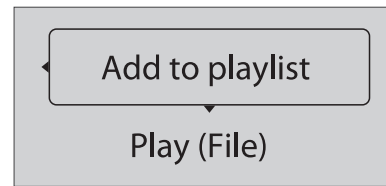
Playing files on a data disc or USB memory stick

When you insert a data disc or USB memory stick containing picture, music, or video files into your player, icons are added to the menu to indicate that video, music, or picture files are available for playback.



To create a playlist:

- 1 Insert a disc or plug in a USB flash drive, select **Music**, **Videos**, or **Pictures**, then press ▶.
- 2 Press ▲ or ▼ to select **Optical Disc** or **USB**, then press **ENTER**. A file browser window opens with a list of files and folders.
- 3 Press ▲ or ▼ to select a file or folder, then press **ENTER**. If you selected a folder, the files in the folder are displayed. Press ▲ or ▼ to select a file, then press **ENTER**. The following menu opens:



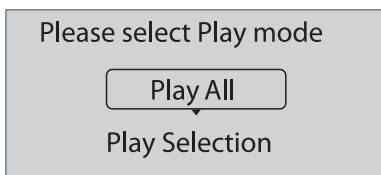
- 4 Press ▲ or ▼ to select **Add to playlist**, then press **ENTER**. The file is added to the playlist.

Note

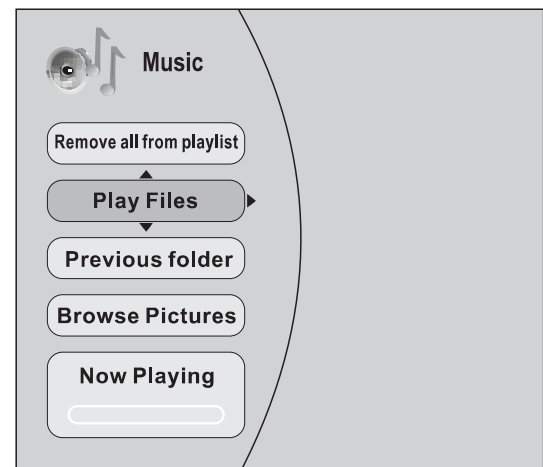
If the file you selected is already in the playlist, **Remove from playlist** appears.

To play audio or video files:

- 1 Press ▲ or ▼ to select **Music** or **Videos**, then press **ENTER**. A menu opens.
- 2 Press ▲ or ▼ to select **Play Files**, then press **ENTER**. The *Please select Play mode* box opens.



- 3 Press ▲ or ▼ to select **Play All** (plays all files) or **Play Selection** (plays files added to the playlist), then press **ENTER**.
 - If you are playing music files and want to view JPG picture files at the same time, press **RETURN** then press ▲ or ▼ to select **Browse Pictures**, then press **ENTER**. Select the JPG files you want to view.



Playing an audio CD

To play an audio CD:

- 1 Press **STANDBY/ON**.
- 2 Press **OPEN/CLOSE** to open the disc tray.
- 3 Place a CD on the disc tray with the label facing up, then press **OPEN/CLOSE** to close the disc tray. It may take a few seconds for the CD to load.
- 4 Press **ENTER** to start playback.
- 5 To eject the CD, press **OPEN/CLOSE**.

Controlling audio CD playback

To control audio CD playback:

- To start or pause playback, press **▶||** (play/pause). The sound is muted when your player is in pause mode. To resume normal playback, press **▶||** (play/pause).
- To stop playback completely, press **■** (stop). To start playback again, press **▶||** (play/pause). Playback starts at the beginning of the CD.
- To fast-forward, press **▶▶**. To resume normal playback, press **▶||** (play/pause).
- To fast reverse, press **◀◀**. To resume normal playback, press **▶||** (play/pause).
- To go to the previous track, press **◀**. To go to the next track, press **▶**.
- To select a track, press **SEARCH**, enter the track number with the number buttons, then press **ENTER**.

Or,

Enter the track number by pressing the appropriate number buttons.

Displaying Blu-ray Disc information

Note

The information displayed for discs other than Blu-ray Discs will be different.

To display Blu-ray Disc information:

- Press **DISPLAY**. Your player displays information about the Disc, such as type of disc, current elapsed time in title, total amount of time in title, current chapter, and total number of chapters.
- Press **DISPLAY** again to close the display.

Searching for a title, chapter, or elapsed time

To search for a title, chapter, or elapsed time:

- 1 During playback, press **SEARCH** one or more times to select a search mode.
 - One press selects **Goto Title - - -** mode.
 - Two presses selects **Goto Chapter - - -** mode.
 - Three presses selects **Goto Time --:--:--** mode.
- 2 Press the number buttons to enter the title number, chapter number, or time, then press **ENTER**. Your player goes to the title, chapter, or time you entered.

Repeating a title, chapter, or CD track

To repeat a title, chapter, or CD track:

- To repeat a title or chapter, press **REPEAT** one or more times to select a repeat mode. You can select **Off**, **Repeat Title**, **Repeat Chapter**, **Repeat track**, **Repeat all**, or **Random**.

Creating a playback loop on a DVD or audio CD

Note

Blu-ray Discs do not normally support playback loops.

To create a playback loop:

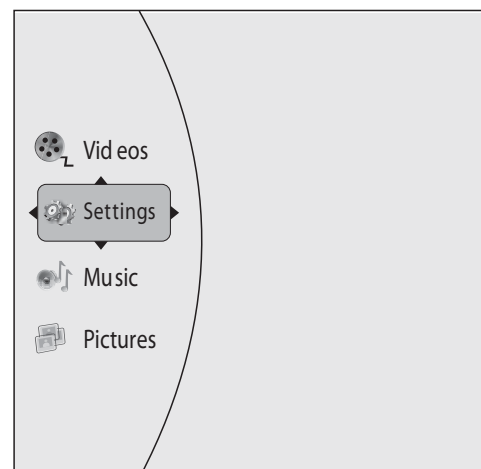
- 1 Play the disc until you reach the point where you want the loop to start, then press **A-B**.
- 2 Play the disc until you reach the point where you want the loop to stop, then press **A-B**. Your player plays the loop you created repeatedly.
- 3 Press **A-B** to cancel the loop and return to normal playback.

Viewing photographs

Your player can display digital photograph files that have been burned onto a data disc, DVD+/-R, DVD+/-R(W), or Blu-ray Disc.

To view photographs:

- 1 Insert the disc with photographs into your Blu-ray player. The following menu opens:



- 2 Press **▲** or **▼** to select **Pictures**, then press **ENTER**. A menu opens.
 - **Main Menu**—Returns to the main menu.
 - **Play Files**—Open the *Please Select Play Mode* box. Press **▲** or **▼** to select an option, then press **ENTER**.
 - **Play All**—Plays all files.
 - **Browse Music**—Opens the music playing menu where you can select music files to play while you view photographs.
 - **Now Playing**—Opens a progress bar.

To create a playlist:

- 1 Insert a disc or plug in a USB flash drive, then press **▶**.
- 2 Press **▲** or **▼** to select **Optical Disc** or **USB**, then press **ENTER**. A file browser window opens with a list of files and folders.
- 3 Press **▲** or **▼** to select a file or folder, then press **ENTER**. If you selected a folder, the files in the folder are displayed. Press **▲** or **▼** to select a file, then press **ENTER**.
- 4 Press **◀**. A menu appears.
- 5 Press **▲** or **▼** to select an option, then press **ENTER**. You can select:
 - **Add all to playlist**—Adds all files to the playlist.
 - **Previous folder**—Returns the previous menu.
 - **Play files**—Play all files or play files in the playlist.
 - **Browse Music**—Opens the music playing menu where you can select music files to play while you view photographs.
 - **Now playing**—Opens a progress bar.

To add a JPG file to the playlist:

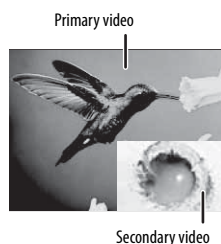
- 1 Insert a disc or plug in a USB flash drive, then press **▶**.
- 2 Press **▲** or **▼** to select **Optical Disc** or **USB**, then press **ENTER**.
- 3 Press **▲** or **▼** to select a file or folder, then press **ENTER**. If you selected a folder, the files in the folder are displayed. Press **▲** or **▼** to select a file, then press **ENTER**. The following menu opens:



- 4 Press **ENTER**.
- 5 Press **▲** or **▼** to select **Play File**, then press **ENTER**. The file starts playing.

Using PIP (picture-in-picture) mode

Some Blu-ray Discs are compatible with picture-in-picture (PIP) mode. In PIP mode, the primary video is displayed on the full screen, and the secondary video is displayed in a small window.



See the documentation that came with the disc for playback instructions.

To use PIP mode:

- 1 Press **PIP** to turn PIP mode on or off.

- 2 If PIP mode is on, press **SECONDARY AUDIO** to turn the audio for the video in the PIP window on or off.

Note

PIP audio cannot be heard unless **Bitstream Mixed** has been selected on the *Audio* menu. For more information, see "Selecting the digital audio output mode" on page 14.

Using a disc popup menu

To use a disc popup menu:

- 1 During Blu-ray or DVD playback, press **POPUP MENU/TITLE MENU**. The Blu-ray popup menu or DVD disc menu opens.
- 2 Press **▲ ▼ ◀ ▶** to select an option, then press **ENTER**.

Selecting a play source

To select a play source:

- Press **SOURCE** on the front of your player repeatedly to select **COAXIAL IN, OPTICAL IN, AUX IN 1, AUX IN 2, AUX IN 3, RADIO, BD IN HDMI IN 1, or HDMI IN 2**.
- Press **AUDIO SOURCE** on the remote control repeatedly to listen to the audio output from the connected device.

VDF display	Jack device is connected to
AUX 1	AUDIO IN AUX 1
AUX 2	AUDIO IN AUX 2
AUX 3	AUX 3
COAXIAL IN	DIGITAL COAXIAL IN
OPTICAL IN	DIGITAL OPTICAL IN

- Press **AV SOURCE** on the remote control to select the device that is connected to the **HDMI IN 1** jack, **HDMI IN 2** jack, or **BLU-RAY AUDIO/VIDEO IN** jacks.
- Press **RADIO** on the remote control to toggle between the FM and AM radio bands.

Selecting the audio mode

To select the audio mode:

- 1 Press **AUDIO**. Your player displays audio channel information, such as "01/03 Eng Dolby Digital." "01" indicates the currently selected audio channel. "03" indicates the total number of audio channels. "Eng" (English) indicates the audio language. "Dolby Digital" describes the currently selected audio format.
- 2 Press **▶** to select an audio mode.

Adjusting the audio

These settings are shown on the VFD screen on the front of your player, not on the TV screen.

To adjust the audio:

- 1 Press **AUDIO SETUP**, then press **◀** or **▶** to select an audio setting, then press **ENTER** on the remote control or **▶** on the front of your player. You can select:
 - **HDMI AUDIO OUT**—Turns HDMI audio on or off.
 - **SURROUND**—Selects the surround audio mode. You can select **multi-channel 5.1 surround, DPL II, Stereo**.
 - **EQ**—Selects the equalizer mode. You can select **CLASSIC, JAZZ, ROCK, SPORTS, or NIGHT**.
 - **AUDIO SYNC**—Selects the speaker audio delay time between 0 ~ 200 ms.
 - **DELAY**—Selects the speaker for which you want to set the delay time.
 - **FL DELAY**—Front left speaker
 - **FR DELAY**—Front right speaker
 - **CNT DELAY**—Center speaker
 - **SL DELAY**—Left back speaker
 - **SR DELAY**—Right back speaker
 - **TEST TONE**—Selects the speaker you want to send a test tone to. You can adjust the volume between -6 ~ +6. The last volume setting is saved.
 - **FL 00**—Front left speaker
 - **CNT 00**—Center speaker
 - **FR 00**—Front right speaker
 - **SL 00**—Left back speaker
 - **SR 00**—Right back speaker
 - **SUB 00**—Subwoofer
 - **ALL 00**—All speakers

Note: **Test Tone** is available only in Multi-channel 5.1 modes.

- 2 Press **▲** or **▼** on the remote control or **VOL+** or **VOL-** on the front of your player to select a setting. You must press a button within five seconds.
- 3 Press **AUDIO SETUP** to exit.

Selecting a viewing angle

Note

Not all discs are recorded with multiple viewing angles and not all scenes on a disc have multiple viewing angles.

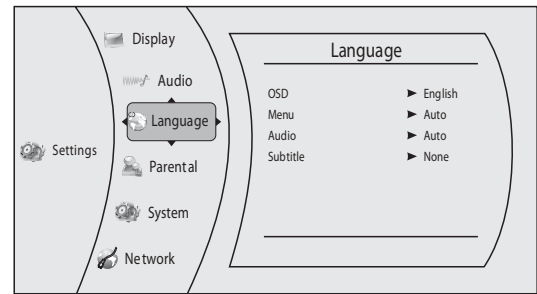
To select the viewing angle:

- During playback, press **ANGLE**. Your player displays "Angle X of X." "The first "X" indicates the current viewing angle, and the second "X" indicates the total number of viewing angles.

Selecting the on-screen menu language

To select the on-screen menu language:

- 1 Press **ENTER**. The *Settings* menu opens.

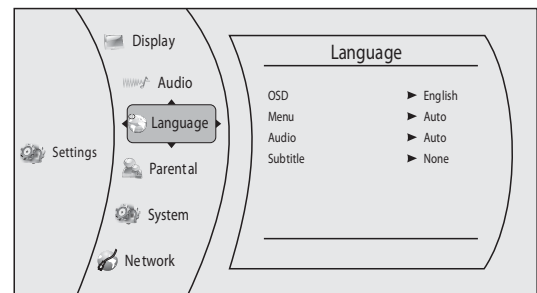


- 2 Press **▲** or **▼** to select **Language**. The *Language* menu opens.
- 3 Press **▶** to select **OSD**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the language you want, then press **ENTER**. You can select **English, French, or Spanish**.
- 5 Press **◀** to go to the previous menu.

Selecting the disc menu language

To select the disc menu language:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Language**. The *Language* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Menu**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the language you want, then press **ENTER**.

Notes

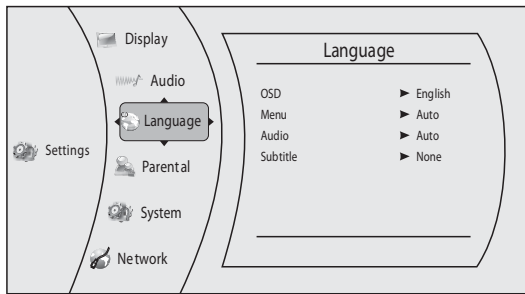
- Not all languages are available on all discs.
- Most discs only have one menu language.

- 5 Press **◀** to go to the previous menu.

Selecting the audio language

To select the audio menu language:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Language**. The *Language* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Audio**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the language you want, then press **ENTER**.

Notes

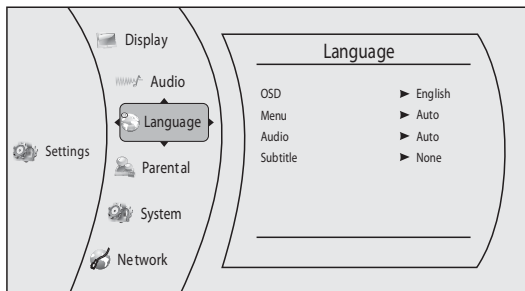
- Not all languages are available on all discs.
- Some discs do not let you select the audio language using your player's menu. Instead, you have to select the audio language from the disc setup menu (the menu that appears after you insert the disc).

- 5 Press **◀** to go to the previous menu.

Selecting the subtitle language

To select the subtitle language:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Language**. The *Language* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Subtitle**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the language you want, then press **ENTER**.

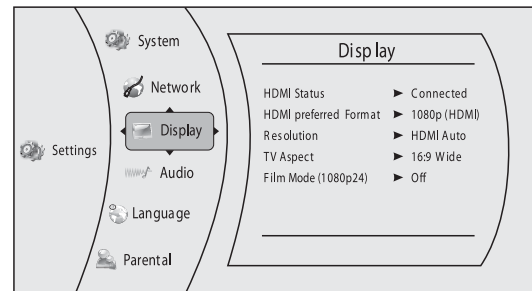
Notes

- Not all languages are available on all discs.
 - Some discs do not let you select the subtitle language from your player. Instead, you have to select the subtitle language from the disc setup menu (the menu that appears after you insert the disc).
- You can also select the subtitle language from the *Subtitle* menu in the on-screen menu.

Determining whether an HDMI TV is connected

To determine whether an HDMI TV is connected:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Display**. The *Display* menu opens.

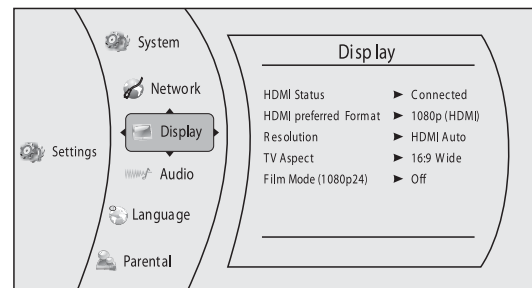
If an HDMI TV is connected, **Connected** appears. If an HDMI TV is not connected **Disconnected** appears

- 3 Press **◀** to go to the previous menu.

Automatically determining the best HDMI resolution

To automatically determine the best HDMI resolution:

- 1 Press **ENTER**. The *Settings* menu opens.



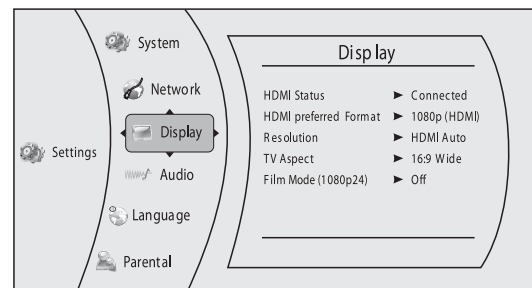
- 2 Press **▲** or **▼** to select **Display**. The *Display* menu opens. Your player displays the best HDMI format for the connected TV.

- 3 Press **◀** to go to the previous menu.

Selecting the video output resolution

To select the video output resolution:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Display**. The *Display* menu opens.
- 3 Press **▶**, to select **Resolution**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the resolution you want, then press **ENTER**.

TV type	Resolution
If your TV is a high-definition TV (HDTV) connected to the HDMI jack on your player and you want your player to set the output resolution based on information exchanged between the TV and your player over the HDMI cable	HDMI Auto
If the TV is a high-definition TV (HDTV) capable of 1080p (any frame rate) connected to the HDMI jack on your player	1080p (HDMI)
If your TV is a high-definition TV (HDTV) capable of 1080i only	1080i
If your TV is a high-definition TV (HDTV) capable of 720p only	720p
If your TV is an enhanced-definition TV (EDTV)	480p
If your TV is a standard-definition NTSC TV (American or Asian SD TV)	480i

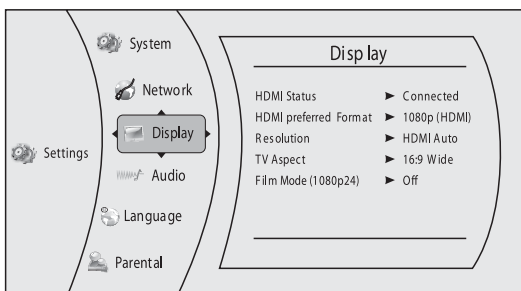
Notes

- Selecting a resolution the TV does not support could result in an unstable picture or loss of the picture. See the documentation that came with the TV to find the resolutions the TV supports.
- Only the HDMI output on your player supports 1080p video output at any frame rate. If the TV is connected to the component output, the video output is limited to 1080i or lower.

- 5 Press **◀** to go to the previous menu.

Selecting the TV aspect ratio

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Display**. The *Display* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **TV Aspect**, then press **ENTER**.

- 4 Press **▲** or **▼** to select the aspect ratio you want, then press **ENTER**. You can select **16:9 Pillarbox**, **4:3 Pan & Scan**, **4:3 Letter Box**, or **16:9 wide**.

Notes

- If your TV has a rectangular (16:9) aspect ratio, choose one of the 16:9 aspect ratios. If your TV has a square (4:3) aspect ratio, choose one of the 4:3 aspect ratios.
- In the standard-definition (480i) mode, your player can output a 16:9 or 4:3 aspect ratio. In the high-definition (720p/1080i/1080p) mode, your player has only 16:9 aspect ratio.

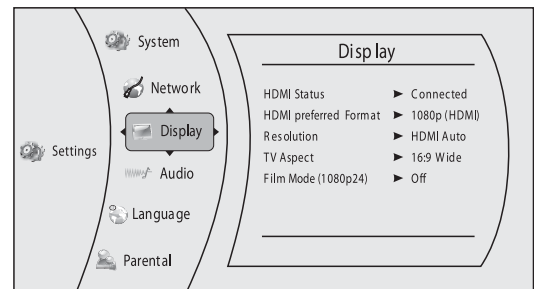
- 5 Press **◀** to go to the previous menu.

Turning film mode on or off

Movies are recorded on film at a rate of 24 pictures (frames) per second. Many of the movies on Blu-ray Discs are placed on the discs at this frame rate. If your TV supports 24 frames per second, but you would prefer viewing the video at a higher frame rate, you should turn off Film Mode.

To turn film mode on or off:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Display**. The *Display* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Film Mode (1080p24)**, then press **ENTER**.
- 4 Press **▲** or **▼** to select **On** or **Off**. **Off** selects a 60 frames/second output format.
- 5 Press **◀** to go to the previous menu.

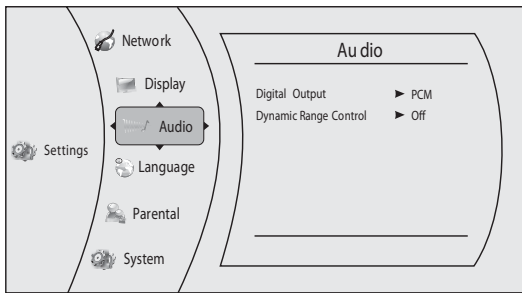
Note

Only your player's HDMI output supports 1080p video output at any frame rate. The component outputs are limited to 1080i, regardless of the **Film Mode** setting.

Selecting the digital audio output mode

To select the digital audio output mode:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Audio**. The *Audio* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Digital Output**, then press **ENTER**.
- 4 Press **▲** or **▼** to select the digital output mode you want, then press **ENTER**. You can select:
 - **PCM**—Sends mixed digital audio over the HDMI connection in 7.1CH PCM (if supported by the HDMI device) and the SPDIF connection in two-channel PCM format.
 - **Bitstream HD**—Sends the original bitstream from the disc over the HDMI and SPDIF connections using highest quality possible. HDMI has the higher quality capabilities with advanced audio codecs like TrueHD and DTS-HD. Blu-ray audio is limited to the soundtrack for the main movie (no PIP audio and no effects audio).
 - **Bitstream Legacy**—Sends the original bitstream from the disc over the HDMI and SPDIF connections using legacy audio formats. Blu-ray audio is limited to the soundtrack for the main movie (no PIP audio and no effects audio).
 - **Bitstream mixed**—Sends mixed and encoded Blu-ray audio streams in a single bitstream. This mode is primarily intended for use with SPDIF 5.1CH receivers to produce mixed Blu-ray audio in surround sound.
- 5 Press **◀** to go to the previous menu.

Turning dynamic range control on or off

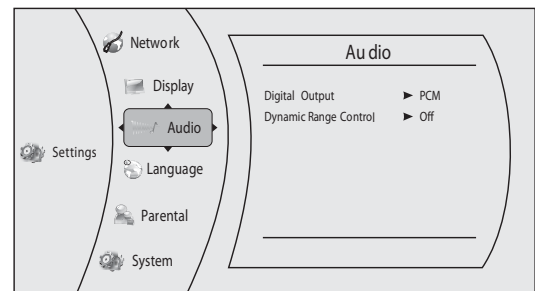
Dynamic range control is only active when a Dolby Digital signal is detected.

When **Dynamic Range Control** is set to **Off**, movie soundtracks are played with the standard dynamic range.

When movie soundtracks are played at low volume or from smaller speakers, you can set **Dynamic Range Control** to **On**. Your player applies appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.

To turn dynamic range control on or off:

- 1 Press **ENTER**. The *Settings* menu opens.

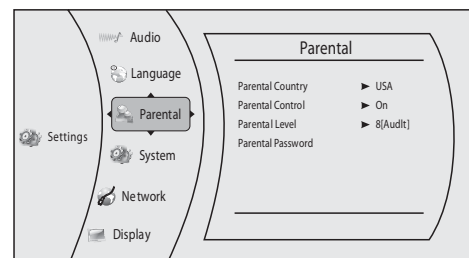


- 2 Press **▲** or **▼** to select **Audio**. The *Audio* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Dynamic Range Control**, then press **ENTER**.
- 4 Press **▲** or **▼** to select **On** or **Off**.
- 5 Press **◀** to go to the previous menu.

Setting the parental control password

To set the parental control password:

- 1 Press **ENTER**. The *Settings* menu opens.

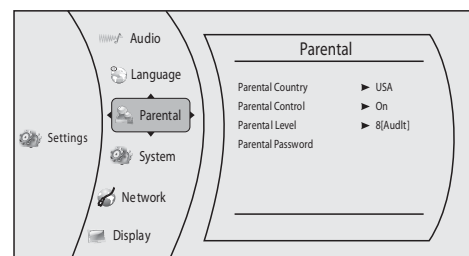


- 2 Press **▲** or **▼** to select **Parental**. The *Parental* menu opens.
- 3 Press **▶**. The password screen opens.
- 4 Enter the default password (**0000**). If you forget your password, reset your player to the factory defaults. The password will be reset to **0000**. For more information, see "Resetting settings to the factory defaults" on page 17.
- 5 Press **◀** to go to the previous menu.
- 6 Press **▲** or **▼** to select **Parental Password**, then press **ENTER**.
- 7 Enter your new password.

Turning parental controls on or off

To turn parental controls on or off:

- 1 Press **ENTER**. The *Settings* menu opens.



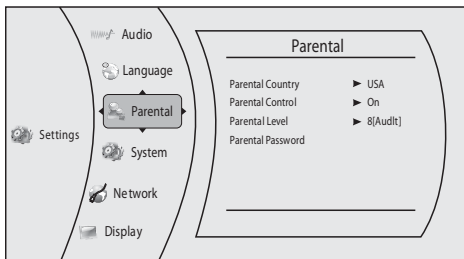
- 2 Press **▲** or **▼** to select **Parental**. The *Parental* menu opens.
- 3 Press **▶**. The password screen opens.
- 4 Enter the password. If you forget your password, reset your player to the factory defaults. The password will be reset to **0000**. For more information, see "Resetting settings to the factory defaults" on page 17.
- 5 Press **▲** or **▼** to select **Parental Control**, then press **ENTER**.
- 6 Press **▲** or **▼** to select **On** or **Off**, then press **ENTER**. If you select **On**, you can change the other parental control options. If you select **Off**, you cannot change the other parental control options.

Selecting the parental control country

If a Blu-ray Disc has parental rating systems for more than one country, you can select the country you want to use.

To set the parental control country:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 If the **Parental Control** option is set to **On**, set the option to **Off**. See "Turning parental controls on or off" on page 14.
- 3 Press **▲** or **▼** to select **Parental**. The *Parental* menu opens.
- 4 Press **▶** to select **Parental Country**, then press **ENTER**.

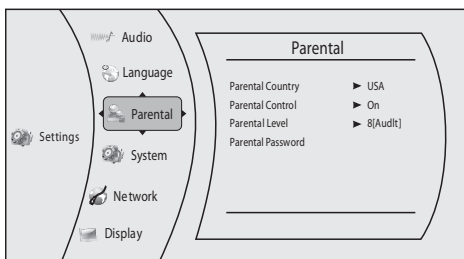
Note
Some Blu-ray Discs do not have multiple countries encoded for parental controls.

- 5 Press **▶** one or more times to select the country you want.
- 6 Press **◀** to go to the previous menu.

Setting the parental control level

To set the parental control level:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Parental**. The *Parental* menu opens.
- 3 If the **Parental Control** option is set to **On**, set the option to **Off**. See "Turning parental controls on or off" on page 14.
- 4 Press **▲** or **▼** to select **Parental Level**, then press **ENTER**.
- 5 Press **▲** or **▼** to select the rating level you want to block, then press **ENTER**. That rating and all higher ratings will be blocked. You can select:
 - **1[Kid Safe]**—Suitable for all children.
 - **2[G]**—General audiences.
 - **3[PG]**—Parental guidance suggested.
 - **4[PG-13]**—Not suitable for anyone under 13.
 - **5[PGR]**—Parental guidance recommended.
 - **6[R]**—Not suitable for anyone under 17 unless supervised by a parent or adult guardian.
 - **7[NC-17]**—Not suitable for anyone under 17.
 - **8[Adult]**—All DVDs can be played.

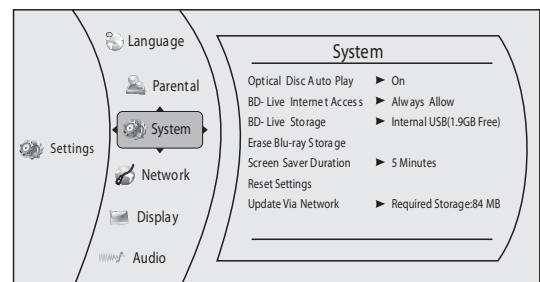
Note
These ratings are for DVDs only.

- 6 Press **▲** or **▼** to select **Parental Control**, then press **ENTER**. Press **▲** or **▼** to select **On**.
- 7 Press **◀** to go to the previous menu.

Setting automatic disc playback mode

To set automatic disc playback mode:

- 1 Press **ENTER**. The *Settings* menu opens.



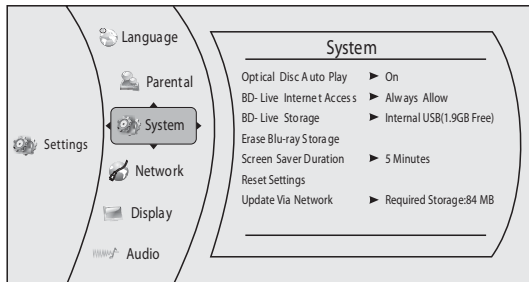
- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶** to select **Optical Disc Auto Play**, then press **ENTER**.
- 4 Press **▲** or **▼** to **On** or **Off**. When **On** is selected and you insert a Blu-ray Disc or DVD, the disc starts playing automatically. When **Off** is selected and you insert a Blu-ray Disc or DVD, you must select the disc from the main menu, and press **▶▶** to play the disc.
- 5 Press **◀** to go to the previous menu.

Setting the BD-Live Internet access level

You can set the BD-Live Internet access level to control access to BD-Live.

To set the BD-Live Internet access level:

- 1 Press **ENTER**. The *Settings* menu opens.

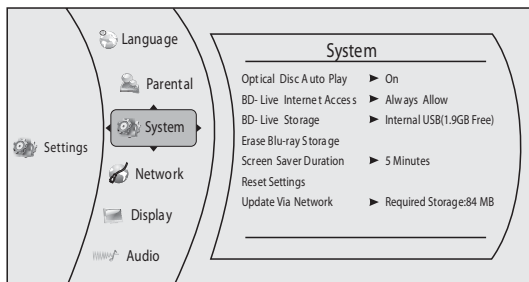


- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **BD-Live Internet Access**, then press **ENTER**.
- 4 Press **▶** one or more times to select the access level you want. You can select:
 - **Limit Access**—Allows Internet access with valid “BD-Live” network access approval.
 - **Always Allow Access**—Always allows BD-Live Internet access.
 - **Prohibit Access**—Never allows BD-Live Internet access.
- 5 Press **◀** to go to the previous menu.

Viewing available BD-Live storage space

To view available BD-Live storage space:

- 1 Press **ENTER**. The *Settings* menu opens.

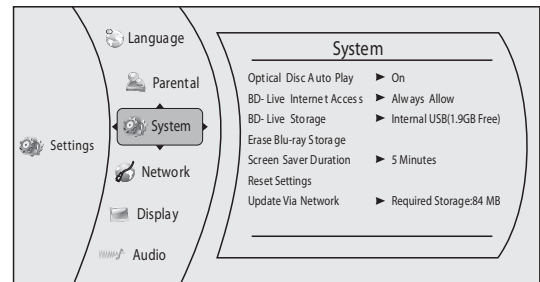


- 2 Press **▲** or **▼** to select **System**. The *System* menu opens. The available storage space is displayed next to **BD-Live Storage**.
- 3 Press **◀** to go to the previous menu.

Erasing BD-Live storage

To erase BD-Live storage:

- 1 Press **ENTER**. The *Settings* menu opens.



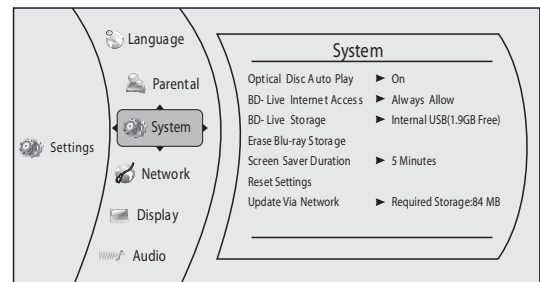
- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Erase BD-Live Storage**, then press **ENTER**.
- 4 Press **◀** or **▶** to select **OK**, then press **ENTER**. All bookmarks and BD-live content saved in memory are deleted.
- 5 Press **◀** to go to the previous menu.

Setting the screen saver activation time

Your player has a screen saver feature that turns the screen black when your player is inactive. You can set the amount of time you want your player to wait before activating the screen saver.

To set the screen saver activation time:

- 1 Press **ENTER**. The *Settings* menu opens.

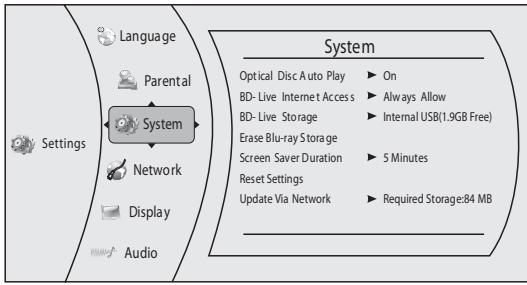


- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Screen Saver Duration**, then press **ENTER**.
- 4 Press **▶** one or more times to select the amount of time you want the player to wait before activating the screen saver feature.
- 5 Press **◀** to go to the previous menu.

Resetting settings to the factory defaults

To reset settings to the factory defaults:

- 1 Press **ENTER**. The *Settings* menu opens.

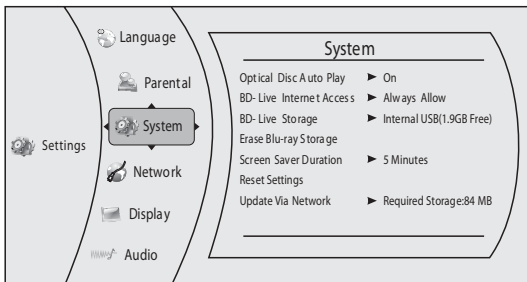


- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Reset Settings**, then press **ENTER**. A message appears asking you to confirm your selection.
- 4 Select **OK**, then press **ENTER** to close the message box.
- 5 Press **◀** to go to the previous menu.

Downloading player update software

To download player update software:

- 1 Press **ENTER**. The *Settings* menu opens.

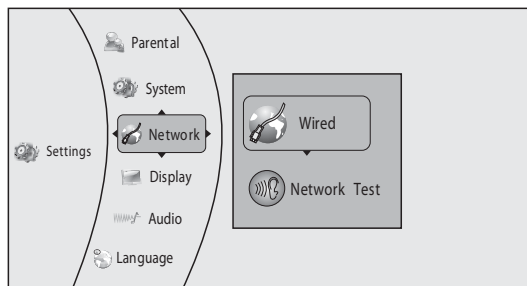


- 2 Press **▲** or **▼** to select **System**. The *System* menu opens.
- 3 Press **▶**, press **▲** or **▼** to select **Update Via Network**, then press **ENTER**.
- 4 Follow the on-screen instructions for updating the software.
- 5 Press **◀** to go to the previous menu.

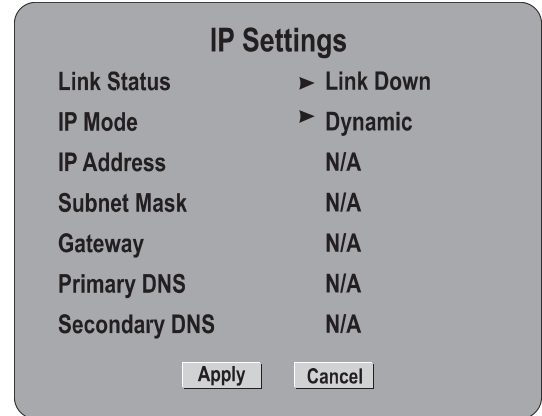
Determining if the network connection is active

To determine if the network connection is active:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Network**.
- 3 Press **▶**, press **▲** or **▼** to select **Wired**, then press **ENTER**. The *IP Settings* screen opens. If the network connection is active, **Link Up** appears next to **Link Status**. If the network connection is not active, **Link Down** appears next to **Link Status**.

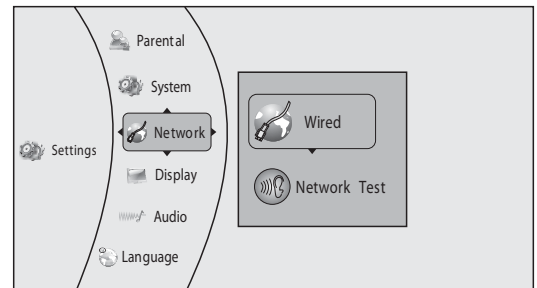


- 4 Press **◀** to go to the previous menu.

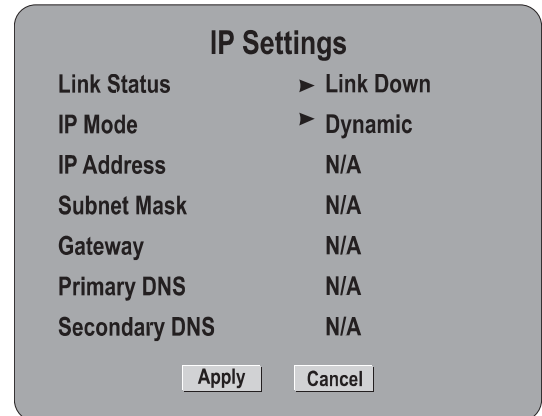
Configuring the Internet connection

To configure the Internet connection:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Network**, then press **ENTER**.
- 3 Press **▶**, press **▲** or **▼** to select **Wired**, then press **ENTER**. The *IP Settings* screen opens. The *IP Settings* screen opens.



- 4 Press **▲** or **▼** to select **IP Mode**, then press **ENTER**.

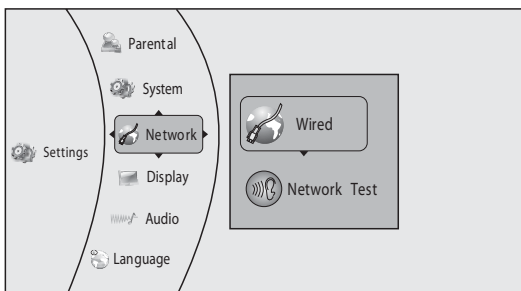
- 5 Press **▶** to select an IP mode. You can select:
 - **Dynamic**—Uses DHCP to automatically obtain an IP address.
 - **Manual**—Lets you manually configure network settings, such as IP address, subnet mask, and gateway settings.
 - **Off**—Disables the network interface.
- 6 Press **◀** to go to the previous menu.

Testing the network configuration's connectivity

You can test the connectivity of the network configuration by "pinging" an IP address. *Pinging* means sending a signal to an IP address and waiting for a returning signal.

To test the network configuration's connectivity:

- 1 Press **ENTER**. The *Settings* menu opens.



- 2 Press **▲** or **▼** to select **Network**.
- 3 Press **▶**, press **▲** or **▼** to select **Network Test**, then press **ENTER**.

Playing files on a portable media player

To play file on a portable media player:

- 1 Connect a stereo audio cable from the **AUX IN 3** jack on the front of your player to the headphone jack on the media player (such as an MP3 player).
- 2 Press **AUDIO SOURCE** repeatedly until **AUX 3** is displayed.
- 3 Use the controls on the media player to start, stop, and control playback.

Note

- Playback can only be controlled using the controls on the portable media player.
- Stop playback on the portable media player before you switch the input source.

Listening to the radio

To listen to the radio for the first time:

- 1 Make sure that you have installed the FM and AM antennas. See "Connecting radio antennas" on page 7.
- 2 Press **RADIO**. "AUTO INSTALL ... PRESS PLAY" is displayed.

- 3 Press **ENTER**. Your player searches for stations with a strong signal and stores the station information. When the search is complete, your player tunes to the first station it found.

Note

- Your player can store up to 20 radio stations.
- If auto installation is not activated or less than 5 radio stations are stored, you will be prompted to install the radio stations again.

To listen to the radio:

- 1 Press **RADIO** to switch to radio mode and select the FM or AM radio band.
- 2 Press **▲/PRESET+** or **▼/PRESET-** to select a preset radio station.
- 3 Press **◀/TUNE-** or **▶/TUNE+** to tune to the previous or next radio frequency. Press and hold one of these buttons for two seconds to automatically search for radio stations.

Scanning for stations and storing radio presets

To scan for stations and store radio presets:

- 1 Press **RADIO**.
- 2 Press **AUTO SCAN**. All the available radio stations with a strong signal will be stored automatically. Your player can store up to 20 stations.
- 3 Press **PROGRAM**. The first available preset number blinks on the display.
- 4 Press **◀◀** or **▶▶** (or press the number buttons) to select the preset number you want to use.
- 5 Press **PROGRAM** to confirm.

Maintaining

General guidelines

- The top and back panels of your player may become hot after a long period of use. This is not a malfunction.
- When you are not using your player, make sure that you remove the disc and put your player into standby mode.
- If you do not use your player for a long period of time, it may not function correctly. Turn on and use your player occasionally.
- Do not place objects on the disc tray.
- Do not locate your player:
 - Near heating devices or in an enclosed vehicle
 - In an area with a temperature over 104°F (40°C) or humidity over 90%
 - Dirty places
 - In an area with direct exposure to sunlight
 - Do not install this equipment in a confined space such as a book case or similar unit. The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table-cloths, or curtains.
- Make sure that you leave a minimum of 4 inches (10 cm) around your player for sufficient ventilation.

Electrical disturbance

If you place your player next to a radio, TV, or VCR, the image may be poor and the sound may be distorted. In this case, move your player away from the radio, TV, or VCR.

Condensation

Condensation may form inside your player when:

- You move your player from a cold area to a warm area
- You use it in a cold room where you have just turned on a heater
- Air conditioning is blowing directly on your player
- Your player is in a damp place

If condensation forms inside your player, your player will not work correctly. Turn on your player, remove the disc and leave the tray open, then leave your player on for two to three hours.

To minimize condensation problems, keep the power cord connected to a power outlet.

Storing discs

- Do not store discs in a place that is exposed to direct sunlight or heat.
- Do not store discs in a place that is exposed to moisture and dust, such as a bathroom or near a humidifier.
- Store discs vertically in their cases. Stacking discs or placing objects on discs when not in their cases may cause warping.

Handling discs

- To keep a disc clean, do not touch the play side (non-label side) of the disc.
- Do not attach paper or tape to the disc.



Cleaning discs

- Before playback, wipe the disc outwards from the center (not in a circle) with a clean cloth.



FAQ (frequently asked questions)

Question	Answer
Can I connect headphones to my player?	You cannot directly connect headphones to your player. Connect headphones to the connected TV or sound system.
My television has COMPOSITE VIDEO IN, COMPONENT(YUV) IN, and HDMI IN jacks.	HDMI provides the best video and audio. Component video provides better video than composite video, but not as good as HDMI video. Composite video provides good video.
Can I play Blu-ray Discs and DVDs bought in another country?	You can play them if the video standard is NTSC. However, you cannot play: <ul style="list-style-type: none"> • Blu-ray Discs that do not include region code A. • DVDs that do not include region code 1 or ALL. Region codes are on the discs or disc packaging.
Can I play Blu-ray Discs and DVDs that do not have a region code?	No. Region codes indicate that a disc conforms to industry standards. You cannot play a disc that does not have a region code.
What types of discs will my player play?	Your player can play: <ul style="list-style-type: none"> • Blu-ray Discs • DVD-Video, DVD-RAM (DVD Video Recording format, AVCHD format, and JPEG format), DVD-R/RW (DVD Video format and DVD Video Recording format), DVD-R DL (DVD Video format and DVD Video Recording format), DVD+R, DVD+RW, and DVD+R DL • Audio CD • CD-R/RW discs which have been recorded in one of the following standards: CD-DA and still pictures (JPEG). Close the session after recording. Note: Your player cannot write to discs.

Troubleshooting

Check the following information for the possible cause and solution for a problem before contacting the nearest service center or dealer for repairs.

The following do not indicate a problem with your player:

- Regular disc rotation sounds.
- Image disturbance during search.

Resetting your player

To reset your player:

- If your player “freezes,” press **⏻ STANDBY/ON** on the front of your player. Wait five seconds then press **⏻ STANDBY/ON** again. This resets your player but does not change any settings.
- To reset all settings (include parental control settings) to the factory default, select **Reset Settings** in the *System* menu.

Power

Problem	Solution
No power	Make sure that the power cord is plugged into a power outlet and that the outlet is supplying power.
The player switches to standby mode	After a period of inactivity, your player switches to standby mode automatically. This is a power saving feature. If your player switches to standby mode unexpectedly, a safety device may have been activated. Press ⏻ STANDBY/ON on the front of your player.

Operation

Problem	Solution
Remote control does not work	<ul style="list-style-type: none"> • Make sure that you are pointing the remote control at the remote control sensor on the front of your player. • Make sure that there are no obstructions between the remote control and the remote control sensor on the front of your player. • Make sure that there is no colored glass between the remote control and the remote control sensor on the front of your player. Colored glass, such as the glass door of an entertainment center, can interfere with signal reception. • Make sure that the remote control sensor is not exposed to direct sunlight or bright light. These can interfere with signal reception. • Replace the batteries.

Problem	Solution
Some or all functions do not work	<ul style="list-style-type: none"> • Some functions are not allowed by the disc, for example, fast-forwarding through the warning information at the beginning of the disc. • Condensation may have formed inside your player. Turn off your player and wait one to two hours for the condensation to evaporate. • Reset your player. For instructions, see “Resetting your player” on page 20.
Playback fails to start or starts then stops even when ⏸ (play/pause) is pressed	<ul style="list-style-type: none"> • Make sure that the disc is inserted face up in the disc tray. • Make sure that the disc is not dirty. For instructions, see “Cleaning discs” on page 19. • The disc may be blank or incompatible with your player. Try another disc.
Start up is slow and audio and video output takes a long time	<ul style="list-style-type: none"> • If power has been interrupted or the power cord has just been connected, startup is slow. This is not a defect. • If your player is connected to the TV with an HDMI cable, startup is slow. This is not a defect.
When reading a disc, the disc tray opens	<ul style="list-style-type: none"> • Make sure that the disc is not dirty. For instructions, see “Cleaning discs” on page 19. • The disc may be incompatible with your player. Try another disc. • Reset your player. For instructions, see “Resetting your player” on page 20.
Audio or video pause during playback	<ul style="list-style-type: none"> • Make sure that the disc is not dirty. For instructions, see “Cleaning discs” on page 19. • Reset your player. For instructions, see “Resetting your player” on page 20.
The player is on and the logo and menu appear, but there is no image from the disc	<ul style="list-style-type: none"> • Make sure that the disc is not dirty. For instructions on cleaning a disc, see “Cleaning discs” on page 19. • Reset your player. For instructions, see “Resetting your player” on page 20.
The player freezes when reading a disc	<ul style="list-style-type: none"> • Reset your player. For instructions, see “Resetting your player” on page 20. When you see “loading” on the screen, press ⏏ (open/close) to open the disc tray and remove the disc. Clean the disc. (For instructions, see “Cleaning discs” on page 19), then try the disc again. • If your player freezes again, the disc may contain some content that is not compatible with your player. Do not try playing the disc with your player.

TV screen and video

Problem	Solution
Video does not appear on the TV screen or the picture is distorted	<ul style="list-style-type: none"> Make sure that the TV is connected to the correct jacks on the back of your player. Make sure that the TV is set to the correct video input source. The TV may be in screen saver mode. Check the documentation that came with the TV for instructions about "waking" your TV. Reset your player. For instructions, see "Resetting your player" on page 20.
Video is not output in high definition	<ul style="list-style-type: none"> High definition video cannot be output through the VIDEO OUT jack. You must connect the TV to your player using the COMPONENT OUT jacks or HDMI jack. Make sure that the correct HDMI or component video resolution has been selected in the Setup menu. See "Selecting the video output resolution" on page 12. Depending on the Blu-ray Disc, output from the COMPONENT VIDEO OUT jacks may be restricted to 480p.
The 4:3 aspect ratio picture expands left and right or the picture size is incorrect	<ul style="list-style-type: none"> Use the TV to change the aspect ratio. See the documentation that came with the TV. When using a component video cable, set TV Aspect to 4:3 Pan & Scan.
There is no apparent change in the picture quality when the picture settings are changed in the Setup menu	<ul style="list-style-type: none"> Depending on the video type, changes may not be apparent.
When playing a BD-Live disc, the screen is black	<ul style="list-style-type: none"> Erase BD Storage. See "Erasing BD-Live storage" on page 16. Make sure that your Internet connection is working. Make sure that the Internet cable is connected securely and correctly to your player and the Internet jack. Some discs require an Internet connection to play.

HDMI connections

Problem	Solution
The 4:3 aspect ratio picture expands left and right or the picture size is incorrect	<ul style="list-style-type: none"> Change TV Aspect to 16:9. See "Selecting the TV aspect ratio" on page 13.

BD-Live and USB connections

Problem	Solution
Cannot access BD-Live content	<ul style="list-style-type: none"> Make sure that the BD-Live Disc you are using is a legal copy. Make sure that the network connection is working.
After connecting to the Internet, cannot download a file	<ul style="list-style-type: none"> Erase BD Storage. See "Erasing BD-Live storage" on page 16. Make sure that the Internet connection is working. Try a different USB flash drive.
File was downloaded, but playback from file pauses	<ul style="list-style-type: none"> Make sure that the USB flash drive is a USB 2.0 device. Using a USB 1.1 device may cause pausing. Try a different USB flash drive.

Other playback problems

Problem	Solution
Audio and video pause momentarily	<ul style="list-style-type: none"> This happens when your player is changing chapters in a playlist. When playing a disc that is recorded on both layers, audio and video may pause when your player is changing layers.
Blu-ray Disc or DVD does not play	<ul style="list-style-type: none"> Make sure that the disc has the correct region code. Check the rating on the disc. You may have set parental controls to block that rating. Some Blu-ray discs will only play over an HDMI connection.
Picture-in-Picture (PIP) does not work on a Blu-ray Disc	<ul style="list-style-type: none"> Make sure that the disc supports PIP mode.
No subtitles	<ul style="list-style-type: none"> Turn on subtitles. See "Selecting the subtitle language" on page 12. Make sure that the disc was recorded with subtitles. If the disc has subtitles, a subtitle option should appear on the disc's menu.
Cannot change the viewing angle	<ul style="list-style-type: none"> Some discs are not recorded with multiple viewing angles. Check the documentation that came with the disc. Not all scenes on a disc have multiple viewing angles. Check the documentation that came with the disc.
Resume function does not work	<ul style="list-style-type: none"> If you press ■ (stop) twice, the resume information is erased. Some discs do not support the resume function.

Specifications

Specifications subject to change without notice.

Media	BD-ROM, BD-JAVA 1.1, DVD-video, DVD+RW/+R, DVD-RW/-R, CD-RW/-R
VH signal system	NTSC
Video output	Electric level output: 1.0 Vp-p Resistance: 75 Ohm Output connector: Pin jack (1 system)
Component video (Y, CB, CR)	Y output level: 1.0 Vp-p Resistance: 75 Ohm PB output level: 0.7 Vp-p Resistance: 75 Ohm PR output level: 0.7 Vp-p Resistance: 75 Ohm Output connector: Pin jack (Y: green, PB: blue, PR: red)(1 system) Output format: 480i/480p/720p/1080i/ 1080p
Audio output	Output level: 2 Vrms (1 kHz, 0 dB) Number of connectors: 2 channel: 1 system
Audio performance (frequency response)	(Linear audio): 20 Hz to 20 kHz S/N ratio:90 dB Dynamic range: 80 dB Total harmonic distortion:0.004 %
HDMI output format	480i/480p/1080i/720p/1080p
FM tuning	Frequency range: 87.5MHz ~ 107.9.00MHz (200KHz) Sensitivity: <20dBu Signal-to-noise ratio: >60dB Antenna connector: 75 Ohms, unbalanced
AM tuning	Frequency range: 530KHz ~ 1710 KHz (10KHz) Signal-to-noise ratio: >40dB (1000KHz)
Amplifier	Total output power: 640W RMS Frequency response: 40Hz-20KHz Signal-to-noise ratio: >60db (A-weighted) Input sensitivity: AUX IN 1&2: 200mV, AUX IN 3: 200mV
Power	110V-120V ~ 50/60Hz
Power consumption	120 W
Dimensions (L x W x H)	16.9 x 14.4 x 2.5 inches (430 x 365 x 63 mm)
Weight	41.88 lbs. (19 kg)
Operating temperature	41°F to 95°F (5°C to 35°)
Operating humidity	10% to 75%

Video file requirement (USB/DISC)

Video file compatibility with your player is limited as follows:

- Maximum resolution size: 1920x1080 (W x H) pixels
- File extensions: .wmv
- Playable Audio format: Dolby Digital , DTS , MP3 , WMA , AAC , AC3
- Sampling frequency: within 32 to 48kHz (WMA), within 16-48kHz (Mp3)
- Bit rate: within 20-320kbps (WMA), within 32-320kbps (Mp3)
- CD-R/RW, DVD R/RW, BD-R/RE Format: ISO 9660+JOLIET, UDF and UDF Bridge format
- Maximum Files/Folder: Less than 2000. The movie file name and subtitle are limited to 180 characters.
- Not all of the WMA and AAC Audio formats are compatible with your player.
- HD WMV movie files contained on a USB 1.0/1.1 flash drive may not play correctly. Blu-ray, DVD, or USB 2.0 are recommended to play back WMV HD movie files.
- Your player does not support files that are recorded with GMC (Global Motion Compensation) or Qpel (Quarter pixel). Those are video encoding techniques in MPEG4 standard, like DivX or XVID.

MP3/WMA audio file requirement (USB/DISC)

- File extensions: .mp3, .wma
- Sampling frequency: Within 8 to 48kHz (WMA), within 11 to 48kHz (Mp3)
- Bit rate: Within 8-320kbps (WMA, Mp3)
- CD-R/RW, DVD R/RW, BD-R/RE Format: ISO 9660+JOLIET, UDF and UDF Bridge format
- Maximum Files/Folder: Less than 2000 (total number of files and folders)
- Depending on the size and number of the MP3/WMA files, it may take several minutes to read the contents of the media.
- The total playback time indicated on the screen may not correct for VBR files.

Photo file requirement (USB/DISC)

- File extensions: .jpg , .jpeg , .png
- Recommended size:
 - Less than 4,000 x 3,000 x 24 bit/pixel
 - Less than 3,000 x 3,000 x 32 bit/pixel
- CD-R/RW, DVD R/RW, BD-R/RE Format: ISO 9660+JOLIET, UDF, and UDF Bridge format
- Maximum Files/Folder: Less than 2000 (total number of files and folders)
- Progressive and lossless compression photo image files are not supported.
- Depending on the size and number of the photo files, it may take several minutes to read the contents of the media.

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

DHHS and FDA safety certification

This product is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

About copyright

Unauthorized copying, broadcasting, public performance, and lending of discs are prohibited. Your player incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

HDMI™



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Products that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency. Your player is Energy Star compliant.



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One-year limited warranty

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How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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