

HT-BD1200

5.1CH Blu-ray Home Theater System user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service,
please register your product at
www.samsung.com/register



Key features of your new Blu-ray Home Theater

PLAYER FEATURES

Playback of many disc types, plus an FM Tuner

The HT-BD1200 allows you to play various discs, including BD-ROM, DVD-VIDEO, DVD-RW/-R(V mode), CD, MP3-CD and CD-R/RW, with a sophisticated FM tuner, all in a single player.

Full HD Audio Decoding Support (DD,DD+,DOLBY TRUE-HD,DTS,DTS-HD HRA, DTS-HD MA Essential)

Please refer to www.DOLBY.COM and DTS.COM for more detail.

TV Screen Saver Function

If the main unit remains in stop mode for 10 minutes, the logo appears on TV screen. The HT-BD1200 automatically switches itself into the power saving mode after 30 minutes in the Screen Saver mode.

Power Saving Function

The HT-BD1200 automatically shuts itself off after 40 minutes in Stop mode.

USB Host support

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Home Theater's USB HOST function.

HDMI

HDMI transmits Blu-Ray/DVD video and audio signals simultaneously, and provides a clearer picture. The 1080p(Full HD) resolution provides even clearer pictures.

AV SYNC Function

Video may lag behind the audio if the unit is connected to a digital TV.

To compensate for this, you can adjust the audio delay time to sync up with the video.

Anynet+(HDMI-CEC) Function

Anynet+ is a function that can be used to operate the main unit of this system using a Samsung TV remote control, by connecting the Blu-ray Home Theater to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)

Wireless receiver amplifier

Samsung's rear-channel wireless module does away with cables running between the main unit and rear-channel speakers. Instead, the rear speakers connect to a compact wireless module that communicates with the main unit.



iPod & iPhone support

You can enjoy music files by connecting your iPod to the home theater with the supplied iPod dock.

BD Wise

BD Wise automatically adjusts BD Wise-compliant Samsung products to the optimal settings between them. This feature is enabled only if BD Wise-compliant Samsung products are connected to each other using an HDMI cable.

BLU-RAY DISC FEATURES

Blu-ray Discs support the highest quality HD video available in the industry - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as a 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 supports 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 on a Blu-ray disc, 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 Blu-ray disc may be limited depending on the resolution of your TV.

Subtitles

Depending on what is contained on the Blu-ray Disc, you may be able to select different font styles, sizes and colors for the subtitles. Subtitles may also be animated, scrolled or faded in and out.

BD-LIVE

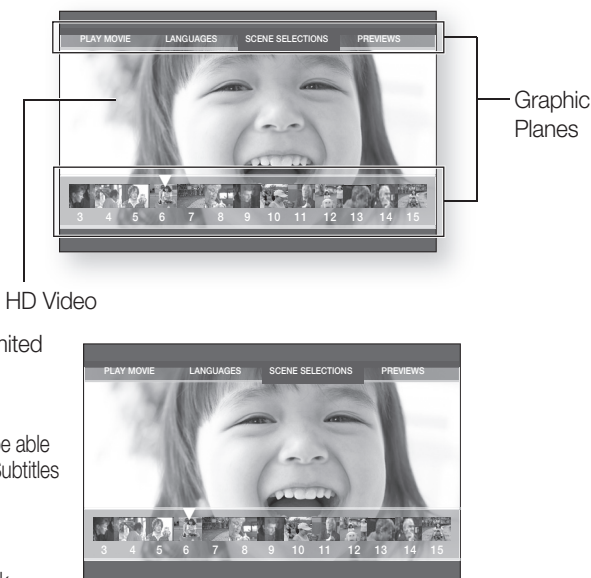
You can use a Blu-ray Disc supporting BD-LIVE through network connection to enjoy various contents provided by the disc manufacturer.

NETFLIX

This Blu-ray Home Theater enables you to enjoy movies on-demand provided by Netflix through a network connection.

PANDORA

This Blu-ray Home Theater enables you to enjoy Internet Radio provided by Pandora through a network connection.

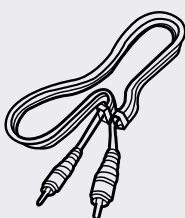


© 2005-2009 Pandora Media, Inc., All Rights Reserved Pandora and the Music Genome Project are registered trademarks of Pandora Media, Inc.

Key features of your new Blu-ray Home Theater

WHAT'S INCLUDED

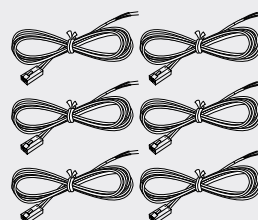
Check for the supplied accessories below.



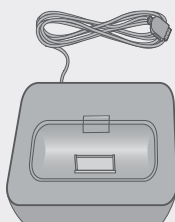
Video Cable
(AH39-40001V)



FM Antenna
(AH42-00017A)



Speaker Wire (6 EA)



iPod Dock
(AH97-02650C)



User's Manual
(AH68-02178Z)





Remote Control
(AH59-02144K)
/ Batteries (AAA size)
(4301-000116)

Safety information

SAFETY WARNINGS

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>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	<p>The explanation point within the triangle is a warning sign alerting you of important instructions accompanying the product.</p>

**CLASS 1 LASER PRODUCT
 KLASSE 1 LASER PRODUKT
 LUOKAN 1 LASER LAITE
 KLASS 1 LASER APPARAT
 PRODUCTO LASER CLASE 1**

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION :

- TO REDUCIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.
- THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF 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.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

FCC NOTE (for U.S.A):

This equipment has been tested and found to comply with 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 radio/TV technician for help.

Caution : FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important Safety Instructions

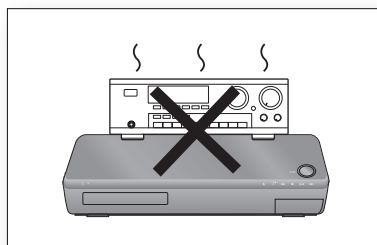
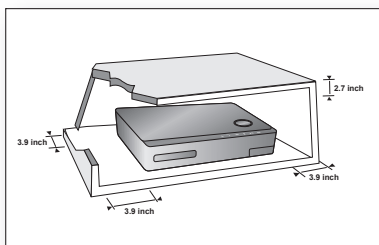
Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below. Keep these operating instructions handy for future reference.

- 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 attachment/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.

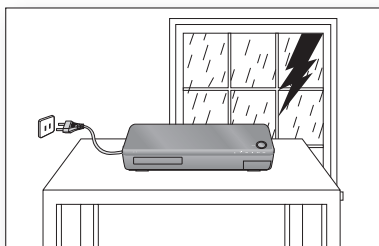


Safety information

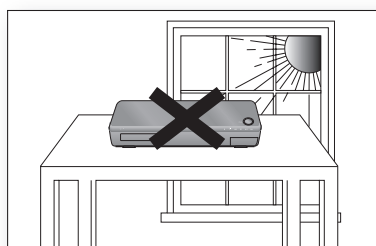
PRECAUTIONS



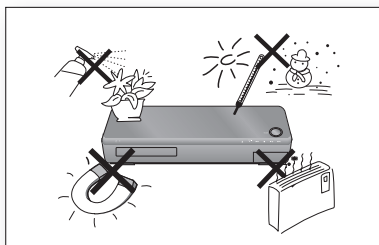
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4 inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the Disc Insert Hole is empty. This player is designed for continuous use. Switching off the Blu-ray Home Theater to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



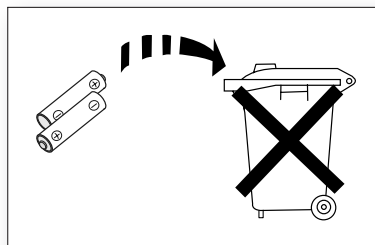
During thunderstorms, disconnect the AC main plug from the wall outlet. Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and malfunction of the unit.



Protect the player from moisture (i.e. vases), and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i.e. speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only. Condensation may occur if your player or disc has been stored in cold temperatures. If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

This product is covered by one or more of the following U.S. patents:

5,060,220	5,457,669	5,561,649	5,705,762	6,043,912	6,438,099	6,467,061	6,556,521	6,578,163	6,697,307	6,728,474
6,771,891	6,894,963	6,895,593	6,937,815	6,996,327	7,009,926	7,085,221	7,088,649	7,092,327	7,099,566	7,123,564
7,142,493	7,142,495	7,145,861	7,146,624	7,151,729	7,161,879	7,164,647	7,167,437	7,173,891	7,177,250	7,194,187
7,203,891	7,209,423	7,210,067	7,228,062	7,245,566	7,245,567	7,257,065	7,263,045	7,269,110	7,272,086	7,272,106
7,280,460	7,283,729	7,286,454	7,304,938							

This device is protected by U.S. Patent Nos.

6,836,549; 6,381,747; 7,050,698; 6,516,132; and 5,583,936.

This product is covered by the following U.S. patents:

US4,930,158 US4,930,160

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Getting started

BEFORE READING THE USER'S MANUAL

Make sure to check the following terms before reading the user manual.

Icons that will be used in manual

Icon	Term	Definition
	BD-ROM	This involves a function available on a BD-ROM.
	BD-RE	This involves a function available on the BD-RE.
	BD-R	This involves a function available on the BD-R.
	DVD-VIDEO	This involves a function available on DVD-Video or DVD-RW/-R discs that have been recorded and finalized in Video Mode.
	DVD-RW	This involves a function available on DVD-RW. (V mode and finalized only)
	DVD-R	This involves a function available on DVD-R. (V mode and finalized only)
	Audio CD	This involves a function available on an audio CD-RW/CD-R (CD-DA format).
	MP3	This involves a function available on DVD-RW/-R, CD-RW/CD-R discs and USB storage devices.
	JPEG	This involves a function available on DVD-RW/-R, CD-RW/CD-R discs and USB storage devices.
	USB storage device	This involves a function available on USB storage device.
	Caution	This involves a case where a function does not operate or settings may be cancelled.
	Note	This involves tips or instructions on the page that help each function operate.

About the use of this user's manual

- 1) Be sure to be familiar with Safety Information before using this product. (See pages 5~6)
- 2) If a problem occurs, check the Troubleshooting. (See pages 86 ~87)






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DISC TYPE AND CHARACTERISTICS

Disc types that can be played

Disc Types	Disc Logo	Recorded content	Disc Shape	Max. Playing minute
BD-ROM BD-RE/BD-R		AUDIO + VIDEO	Single sided	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)

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

Logos of Discs that can be played

				
Blu-ray Disc	Dolby Digital Plus	DTS-HD High Resolution Audio		
				
NTSC broadcast system in U.S.A, Canada, Korea, Japan	Dolby TrueHD	DTS-HD Master Audio Essential		
				
Digital Audio	MP3	Stereo	Java	BD-LIVE



- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,392,195; 7,272,567; 7,333,929; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol, DTS-HD and DTS-HD Master Audio | Essential are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

Getting started

Discs that cannot be played

- HD DVD Disc
- DVD-RAM
- 3.9 GB DVD-R Disc for Authoring.
- DVD-RW(VR mode)
- DVD-ROM/PD/MV-Disc, etc
- CVD/CD-ROM/CDV/CD-G/CD-I/LD
- 3 1/2 inch MD (mini disc)



- 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.

Region code

Both the Blu-ray Home Theater 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 Home Theater is described on the rear panel of the Blu-ray Home Theater.

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.

DVD-Video Region Code	Area	DVD-Video Region Code	Area
1	USA, Canada	6	China
2	Japan, Europe, South Africa, Middle East, Greenland	7	Unspecified Special Use
3	Korea, Taiwan, Hong Kong, parts of South East Asia	8	Airlines/Cruise Ships (including Mexico)
4	Australia, New Zealand, Latin America (including Mexico)	9	Region free
5	Eastern Europe, Russia, India, Africa		

Blu-ray Disc Compatibility

Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues are possible. Not all discs are compatible and not every disc will play back. For additional information, refer to the Compliance and Compatibility Notice section of this Manual. If you encounter compatibility problems, please contact the SAMSUNG customer care center at 1-800 SAMSUNG.



- 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. Please refer to this if necessary.
- 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.
- 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.

Disc Types

❖ BD-RE/BD-R

Blu-ray Disc Rewritable/Blu-ray Disc Recordable. BD-RE/BD-R is the ideal format for making backups, or recording personal video.

❖ 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 Home Theaters. This unit can play back pre-recorded commercial BD-ROM discs.

❖ DVD-Video

- A digital versatile disc (DVD) can contain up to 135-minutes of images, 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.
- The 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 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 and finalized with a Samsung DVD video recorder. 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 56 Kbps to 320 Kbps.
- Playable sample-rate is 32KHz 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

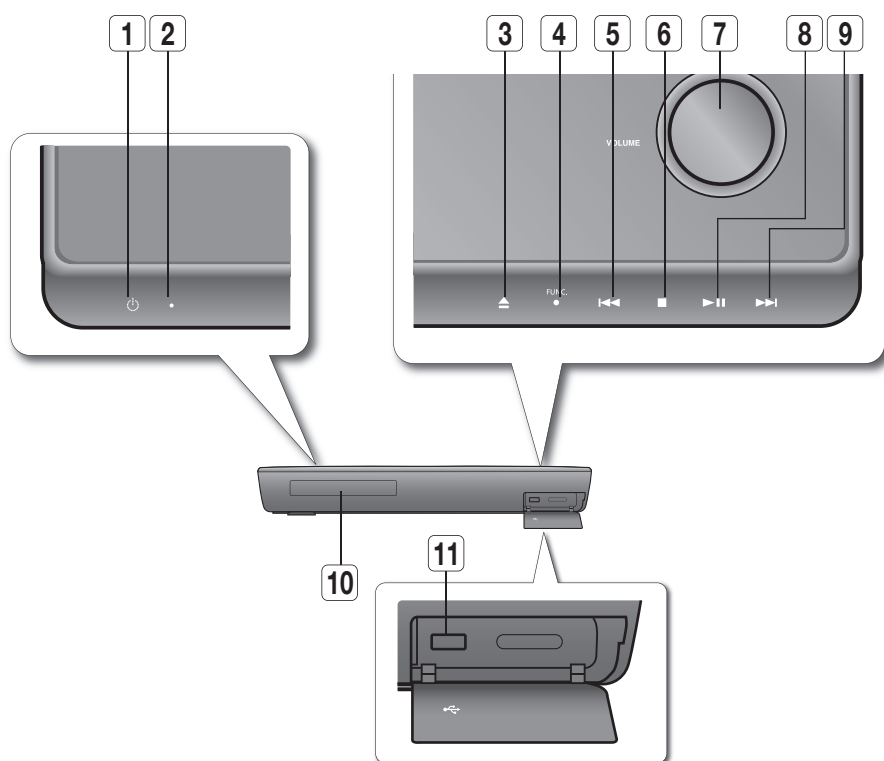
- CD-R/-RW, DVD-RW/-R recorded with UDF, ISO9660 or JOLIET format can be played back.
- Only JPEG files with the ".jpg", ".JPG", ".jpeg" or ".JPEG" extension can be displayed.
- Progressive JPEG is supported.

❖ DVD-RW/-R (M)

- This is a format that is used for recording data on a DVD-RW or DVD-R disc. The disc can be played by this Blu-ray Home Theater 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 Home Theater.
- A file which has .divx or .avi extension cannot be played.

Description

FRONT PANEL

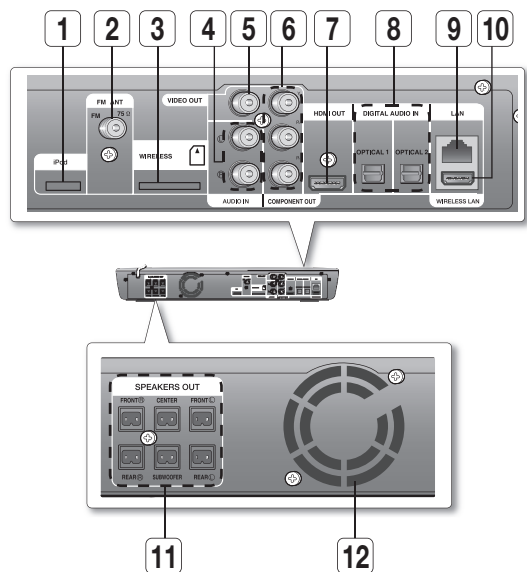


1	POWER BUTTON	Turns the Blu-ray Home Theater on and off.
2	STANDBY INDICATOR	When the unit is first plugged in, this indicator lights.
3	OPEN/CLOSE BUTTON	Opens and closes the disc tray.
4	FUNCTION BUTTON	The mode switches as follows : BD/DVD → D.IN 1 → D.IN 2 → AUX → FM.
5	TUNING DOWN & SKIP (◀◀) BUTTON	Goes back to the previous title/chapter/track. Tunes down the FM frequency band.
6	STOP BUTTON	Stops disc playback.
7	Volume Control BUTTON	Volume adjustment.
8	PLAY/PAUSE BUTTON	Plays a disc or pauses playback.
9	TUNING UP & SKIP (▶▶) BUTTON	Goes to the next title/chapter/track. Tunes up the FM frequency band.
10	DISC TRAY	Opens to accept a disc.
11	USB HOST	A USB storage device can be connected here and used as storage when connected to BD-LIVE. It can also be used for firmware upgrades and MP3/JPEG playback.



■ You must use the USB HOST on the rear panel of the Blu-ray Home Theater to connect a wireless LAN Adapter.

REAR PANEL



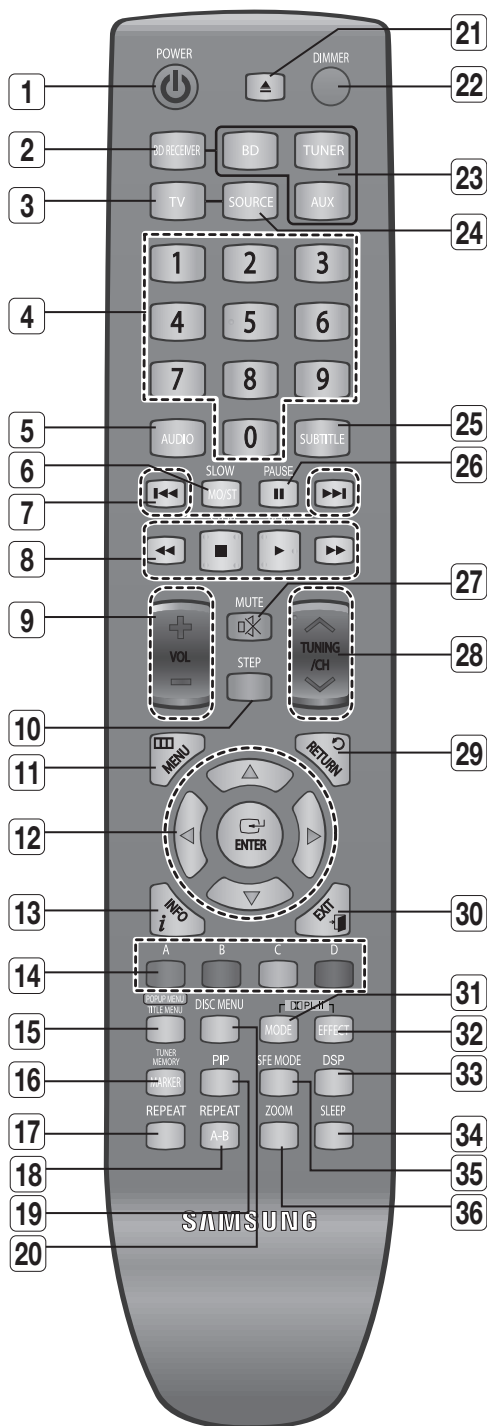
1	iPod JACK	Connect the iPod dock connector here.
2	FM 75Ω COAXIAL JACK	Connect the FM antenna.
3	TX CARD CONNECTION (WIRELESS)	The TX card enables communication between the main unit and the optional wireless receiver amplifier.
4	AUX IN JACKS	Connect to the 2CH analog output of an external device (such as a VCR)
5	VIDEO OUTPUT JACK	Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT Jack on this unit.
6	COMPONENT VIDEO OUTPUT JACKS	Connect a TV with Component video inputs to these jacks.
7	HDMI OUT JACK	Use the HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture.
8	EXTERNAL DIGITAL OPTICAL INPUT JACKS (OPTICAL1, OPTICAL2)	Use this to connect external equipment capable of digital output.
9	LAN TERMINAL	Can be used for connection to BD-LIVE, Netflix and Pandora. It can be also used for firmware upgrades.
10	WIRELESS LAN JACK	A USB storage device can be connected here and used as storage when connected to BD-LIVE. It can also be used for firmware upgrades and MP3/JPEG playback, as well as for connecting to BD-Live with a wireless LAN adapter.
11	5.1 CHANNEL SPEAKER OUTPUT CONNECTORS	Connect the front, center, surround, subwoofer speakers.
12	COOLING 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.











▪ Oversized USB drives may not be able to be inserted when a LAN or HDMI cable is connected.

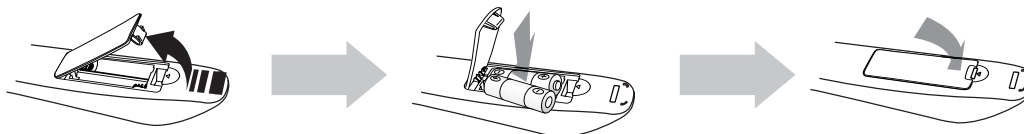
Remote control

TOUR OF THE REMOTE CONTROL



1	POWER button	19	PIP button
2	BD RECEIVER button	20	DISC MENU button
3	TV button	21	OPEN/CLOSE button
4	Number (0~9) buttons	22	DIMMER button
5	AUDIO button		 BD button
6	SLOW, MO/ST button	23	 TUNER button
7	Tuning Preset/CD Skip buttons		 AUX button
8	 PLAY button  STOP button  SEARCH buttons	24	SOURCE button
9	VOLUME button	25	SUBTITLE button
10	STEP button	26	PAUSE button
11	MENU button	27	MUTE button
12	Cursor/ENTER button	28	TUNING/CH button
13	INFO button	29	RETURN button
14	COLOR Buttons : RED(A), GREEN (B), YELLOW(C), BLUE(D)	30	EXIT button
15	POPUP MENU, TITLE MENU button	31	 PL II MODE button
16	TUNER MEMORY, MARKER button	32	 PL II EFFECT button
17	REPEAT button	33	DSP button
18	REPEAT A-B button	34	SLEEP button
		35	SFE MODE button
		36	ZOOM button

Installing batteries in the Remote Control



1. Lift the cover at the back of the remote control upward as shown.

2. Install two AAA size batteries.
Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.

3. Replace the cover.
Assuming typical TV usage, the batteries last for about one year.

Remote control

SETTING THE REMOTE CONTROL

You can control certain functions of your TV with this remote control.

When operating a TV with the remote control

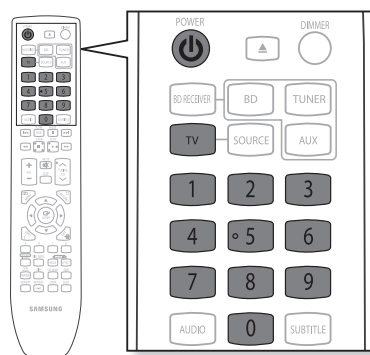
1. Press the **TV** button to set the remote to TV mode.
2. Press the **POWER** button to turn on the TV.
3. While holding down the **POWER** button, enter the code corresponding to your brand of TV.

- If there is more than one code listed for your TV in the able, enter one at a time to determine which code works.

Example : For a Samsung TV

While holding down the **POWER** button, use the **number** buttons to enter 00, 15, 16, 17 and 40.

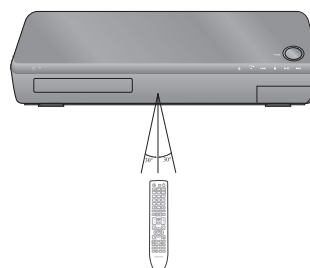
4. If the TV turns off, the setting is complete.
 - You can use the TV POWER, VOLUME, CHANNEL, and Numeric buttons (0~9).



- The remote control may not work on some brands of TVs. Also, some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

Operation Range of the Remote Control

The remote control can be used up to approximately 23 feet (7 meters) in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



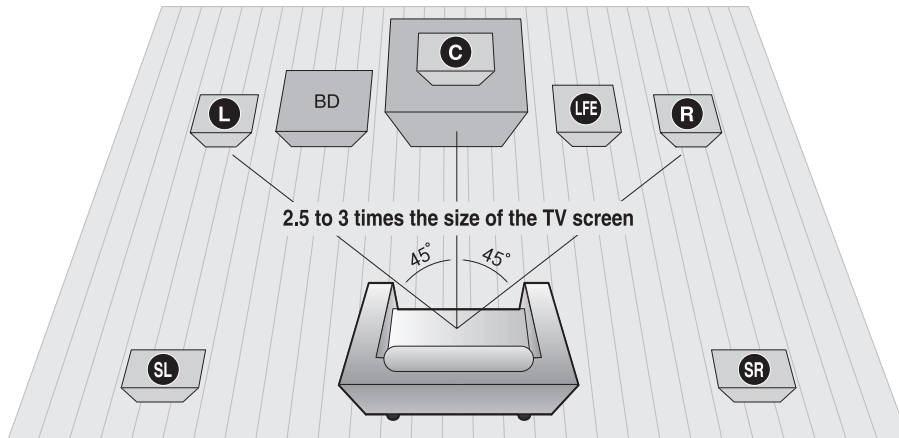
TV Brand Code List

No.	Brand	Code	No.	Brand	Code
1	Admiral (M.Wards)	56, 57, 58	44	MTC	18
2	A Mark	01, 15	45	NEC	18, 19, 20, 40, 59, 60
3	Anam	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14	46	Nikei	03
4	AOC	01, 18, 40, 48	47	Onking	03
5	Bell & Howell (M.Wards)	57, 58, 81	48	Onwa	03
6	Brocsonic	59, 60	49	Panasonic	06, 07, 08, 09, 54, 66, 67, 73, 74
7	Candle	18	50	Penney	18
8	Cetronic	03	51	Philco	03, 15, 17, 18, 48, 54, 59, 62, 69, 90
9	Citizen	03, 18, 25	52	Philips	15, 17, 18, 40, 48, 54, 62, 72
10	Cinema	97	53	Pioneer	63, 66, 80, 91
11	Classic	03	54	Portland	15, 18, 59
12	Concerto	18	55	Proton	40
13	Contec	46	56	Quasar	06, 66, 67
14	Coronado	15	57	Radio Shack	17, 48, 56, 60, 61, 75
15	Craig	03, 05, 61, 82, 83, 84	58	RCA/Proscan	18, 59, 67, 76, 77, 78, 92, 93, 94
16	Croslex	62	59	Realistic	03, 19
17	Crown	03	60	Sampo	40
18	Curtis Mates	59, 61, 63	61	Samsung	00, 15, 16, 17, 40, 43, 46, 47, 48, 49, 59, 60, 98
19	CXC	03	62	Sanyo	19, 61, 65
20	Daewoo	02, 03, 04, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 48, 59, 90	63	Scott	03, 40, 60, 61
21	Daytron	40	64	Sears	15, 18, 19
22	Dynasty	03	65	Sharp	15, 57, 64
23	Emerson	03, 15, 40, 46, 59, 61, 64, 82, 83, 84, 85	66	Signature 2000 (M.Wards)	57, 58
24	Fisher	19, 65	67	Sony	50, 51, 52, 53, 55
25	Funai	03	68	Soundesign	03, 40
26	Futuretech	03	69	Spectricon	01
27	General Electric (GE)	06, 40, 56, 59, 66, 67, 68	70	SSS	18
28	Hall Mark	40	71	Sylvania	18, 40, 48, 54, 59, 60, 62
29	Hitachi	15, 18, 50, 59, 69	72	Symphonic	61, 95, 96
30	Inkel	45	73	Tatung	06
31	JC Penny	56, 59, 67, 86	74	Techwood	18
32	JVC	70	75	Teknika	03, 15, 18, 25
33	KTV	59, 61, 87, 88	76	TMK	18, 40
34	KEC	03, 15, 40	77	Toshiba	19, 57, 63, 71
35	KMC	15	78	Vidtech	18
36	LG (Goldstar)	01, 15, 16, 17, 37, 38, 39, 40, 41, 42, 43, 44	79	Videch	59, 60, 69
37	Luxman	18	80	Wards	15, 17, 18, 40, 48, 54, 60, 64
38	LXI (Sears)	19, 54, 56, 59, 60, 62, 63, 65, 71	81	Yamaha	18
39	Magnavox	15, 17, 18, 48, 54, 59, 60, 62, 72, 89	82	York	40
40	Marantz	40, 54	83	Yupiteru	03
41	Matsui	54	84	Zenith	58, 79
42	MGA	18, 40	85	Zonda	01
43	Mitsubishi/MGA	18, 40, 59, 60, 75	86	Dongyang	03, 54

Connections

This section involves various methods of connecting the Blu-ray Home Theater to other external components. Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

CONNECTING THE SPEAKERS



Position of the Blu-ray Home Theater

Place it on a stand or cabinet shelf, or under the TV stand.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.

Example : For 32" TVs 6~8feet (2~2.4m)

For 55" TVs 11~13feet (3.5~4m))

Front Speakers **L R**

Place these speakers in front of your listening position, facing inwards (about 45°) toward you.

Place the speakers so that their tweeters will be at the same height as your ear.

Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker **C**

It is best to install it at the same height as the front speakers. You can also install it directly over or under the TV.

Surround Speakers **SL SR**

Place these speakers to the side of your listening position. If there isn't enough room, place these speakers so they face each other. Place them about 2 to 3 feet (60 to 90cm) above your ear, facing slightly downward.

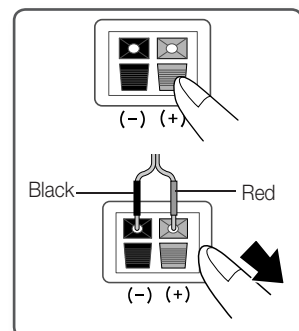
★ Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

Subwoofer **LFE**

The position of the subwoofer is not so critical. Place it anywhere you like.

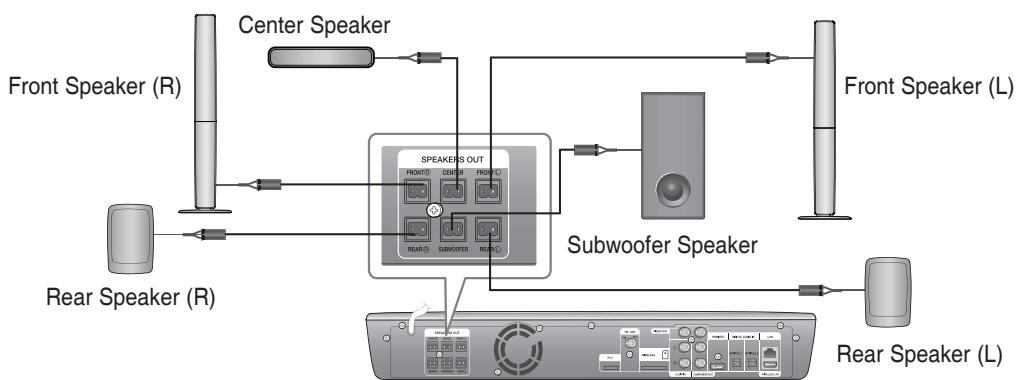
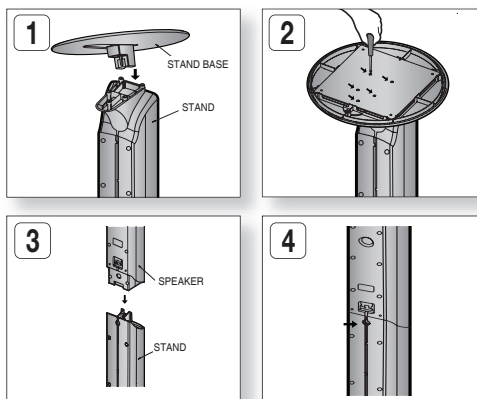
Connecting The Speakers

1. Press down the terminal tab on the back of the speaker.
2. Insert the black wire into the black terminal (-) and the red wire into the red (+) terminal, and then release the tab.
3. Connect the connecting plugs to the back of the Blu-ray Home Theater by matching the colors of the speaker plugs to the speaker jacks.



How to Install the Speaker on the Stand (Front Speakers)

1. Turn the **STAND** upside-down and connect it to the **STAND BASE**.
2. Insert five small **SCREWS** into the five holes marked with arrows using a screwdriver as shown in the illustration.
3. Connect upper **SPEAKER** to the assembled **STAND**.
4. Insert another large **SCREW** into the hole on the rear of the speaker marked with arrow using a screwdriver.



- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.
- Keep the subwoofer speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duct (hole).



- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

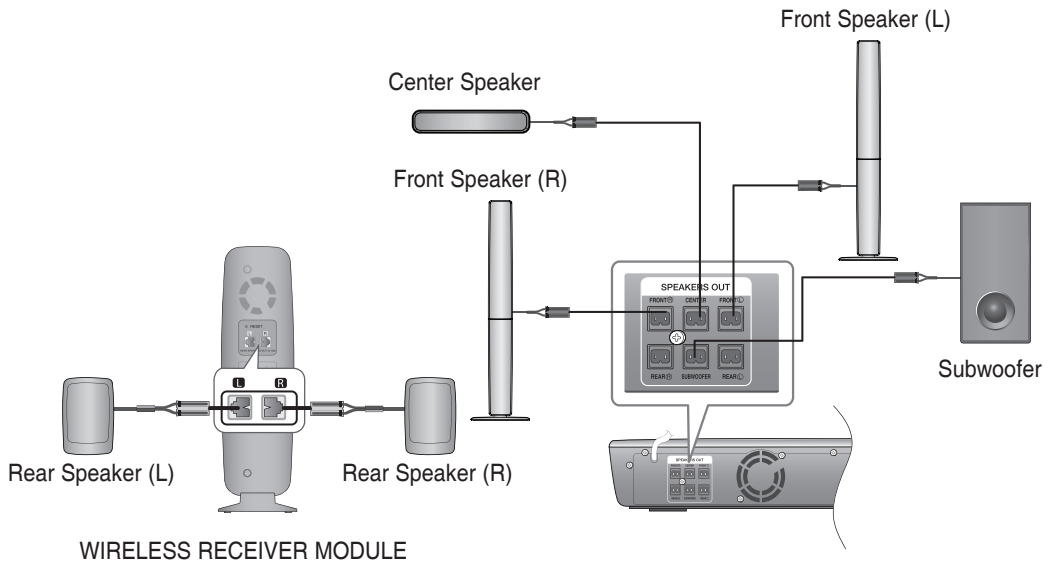
Connections

CONNECTING THE OPTIONAL WIRELESS RECEIVING

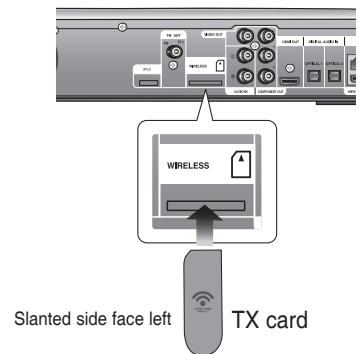
To connect the rear speakers by wireless, you have to purchase the wireless receiving module and TX card from your Samsung retailer.

When you have Purchased the Wireless Receiving Module (SWA-4000)

This product (HT-BD1200) should be connected only with SWA-4000.



1. Connect the front, center and Subwoofer speakers to the Blu-Ray Home Theater, referring to page 21.
2. With the Blu-Ray Home Theater turned off, insert the TX card into the TX Card Connection(WIRELESS) on the back of the main unit.
 - Hold the TX card so that the slanted side faces to the left and insert the card into the port.
 - The TX card enables communication between the main unit and the wireless receiver.
3. Connect the left and right rear speakers to the wireless receiving module.
4. Plug the power cord of the wireless receiving module in the wall outlet.





- Place the wireless receiver module at the rear of the listening position. If the wireless receiver module is too close to the main unit, some sound interruption may be heard due to interference.
- If you use a device such as a microwave oven, wireless LAN Card or any other device that uses the same frequency (5.8GHz) near the system, some sound interruption may be heard due to interference.
- The transmission distance from the main unit to the wireless receiving module is about 33 feet (10m), but may vary depending on your operating environment. If a steel-concrete wall or metallic wall is between the main unit and the wireless receiver module, the system may not operate at all, because the radio wave cannot penetrate metal.
- If the main unit doesn't make wireless connection, the system needs ID Setting between main unit and wireless receiver module. With the main unit turned off, press the remote control's number button buttons "0"→"1"→"3"→"5" and the main unit will turn on. With the wireless receiver module turned on, press "ID SET" button on the back of the unit for 5 seconds.

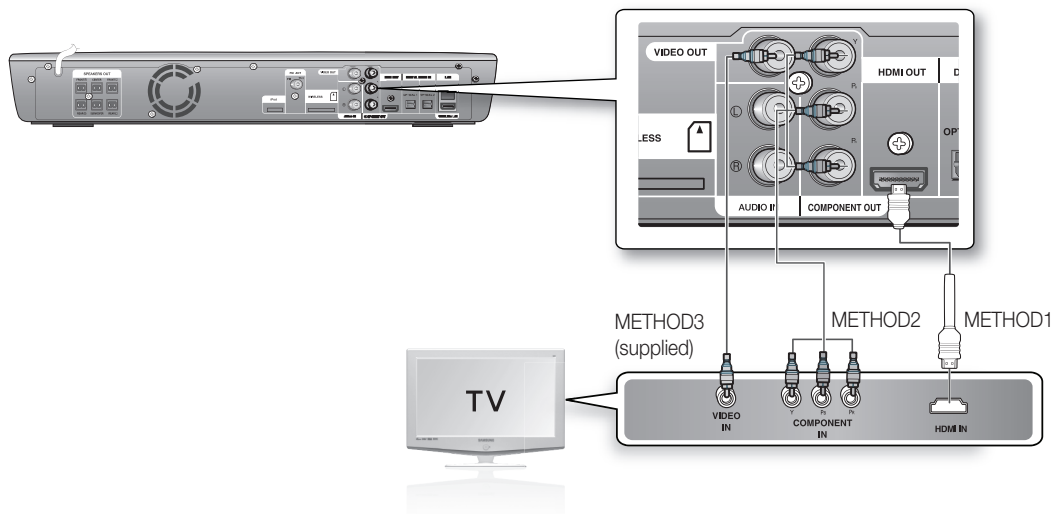


- Do not insert any other card except the TX card dedicated to the product. If a different TX card is used, the product may be damaged or the card may not be removed easily.
- Do not insert the TX card upside down or in the reverse direction.
- Insert the TX card when the Blu-Ray Home Theater is turned off. Inserting the card when it is turned on may cause a problem.
- If the TX Card is inserted and wireless receiving module setting is complete, sound is not output from the Rear Speaker connectors on the main unit.
- The wireless receiving antenna is built into the wireless receiver module. Keep the unit away from water and moisture.
- For optimal listening performance, make sure that the area around the wireless receiver module location is clear of any obstructions.
- **If no sound is heard from the wireless rear speakers, switch the mode to DVD 5.1 channel or Dolby ProLogic II .**
- In 2-CH mode, no sound will be heard from the wireless rear speakers.

Connections

CONNECTING THE VIDEO OUT TO YOUR TV

Choose one of the three methods for connecting to a TV.



METHOD 1 : HDMI (BEST)

Connect the HDMI cable (not supplied) from the HDMI OUT jack on the back of the Blu-ray Home Theater to the HDMI IN jack on your TV.



- Depending on your TV, certain HDMI output resolutions may not work.
- If an HDMI cable is connected from the player to a TV, the Blu-ray Home Theater's output is set to HDMI automatically within 10 seconds.
- If you are using the Anynet+ feature (see page 46) and 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 automatically be set to the highest provided by the TV.
- If you connect a Samsung TV to the Blu-ray Home Theater using an HDMI cable, the player can be easily operated using the TV remote control. (This is only available with Samsung TVs that support the Anynet+ feature.) (See page 46)
- If the HDMI cable is connected or removed during playback of a CD-DA, MP3 or JPEG file, the player will stop playing.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Blu-ray Home Theater. See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you have set the remote control to operate your TV, press the **SOURCE** button on the remote control and select HDMI as the external source of the TV.

HDMI Auto Detection Function

The player's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on. For possible HDMI resolutions, see page 43.

• 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 Home Theater 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.

- 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.

- **Why does Samsung use HDMI?**

Analog TVs require an analog video/audio signal. However, when playing a BD/DVD, the data transmitted to a TV is digital. Therefore either a digital-to-analog converter (in the Blu-ray Home Theater) or an analog-to-digital converter (in the TV) is required. During this conversion, the picture quality is degraded due to noise and signal loss. HDMI technology is superior because it requires no D/A conversion and is a pure digital signal from the player to your TV.

- **What is the HDCP?**

HDCP (High-band width 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.

- **What is Anynet+?**

Anynet+ is a convenient function that offers linked operation of this unit through Samsung TVs with the Anynet+ feature.

- If your Samsung TV has an **Anynet+** logo, then it supports the Anynet+ function.

- If you turn on the player and insert a disc, the player will start playing the disc, and the TV will turn on automatically and switch to HDMI mode.

- If you turn on the player and press the **PLAY** button with a disc already inserted, the TV will immediately turn on and switch to HDMI mode.

- **What is BD Wise?**

BD Wise is Samsung's latest inter-connectivity feature.

- When you connect Samsung products with BD-Wise to each other via HDMI, the optimum resolution will be set automatically.

METHOD 2 : Component Video (BETTER)

If your television is equipped with Component Video inputs, connect a Component video cable (not supplied) from the Component Video Output (Pr, Pb and Y) Jacks on the back of the Blu-ray Home Theater to the Component Video Input Jacks on your TV.



- You can select from a variety of resolution settings such as 1080i, 720p, 480p and 480i, depending on the disc type. (See page 44)
- 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. (See page 44)
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Blu-ray Home Theater. See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you have set the remote control to operate your TV, press the **SOURCE** button on the remote control and select COMPONENT as the external source of the TV.
- In DVD playback, if both HDMI and Component jacks are connected and you select the Component 1080p, 1080i or 720p mode, the Display Setup menu will show the output resolution as 1080p, 1080i or 720p in the menu.
The resolution is actually 480i.

METHOD 3 : Composite Video (GOOD)

Connect the supplied Video cable from the VIDEO OUT jack on the back of the Blu-ray Home Theater to the VIDEO IN jack on your TV.

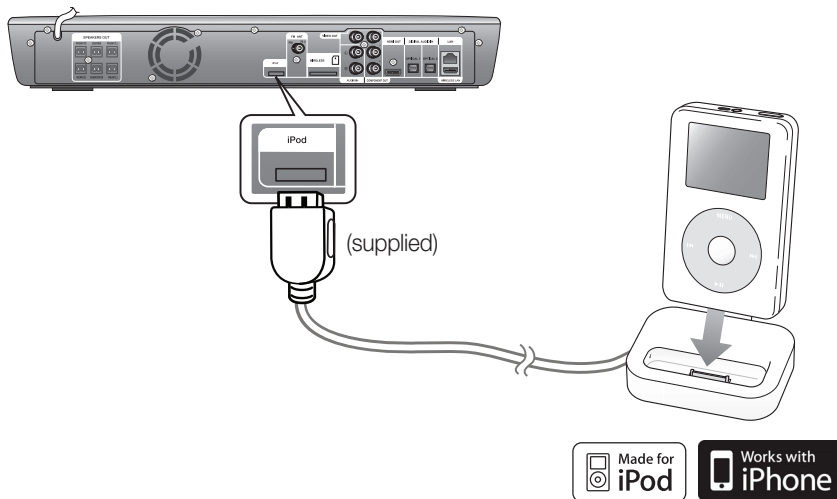


- The VIDEO source is always output in 480i resolution regardless of the resolution set in the SETUP menu. (See page 44)
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Blu-ray Home Theater. See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you have set the remote control to operate your TV, press the **SOURCE** button on the remote control and select VIDEO as the external source of the TV.
- Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Connections

CONNECTING AN iPod

You can enjoy music, video files from an iPod through the main unit. For iPod operation with this Blu-ray home theater, see pages 27 and 80 ~ 82.


















1. Connect the iPod Dock to the iPod Jack on the rear side of the main unit.
2. Place the iPod in the dock.
 - "iPod Connected" message appears on the TV screen.



- You must have the VIDEO output connected to your TV to view iPod video (See page 25).
- As the cable ports are close together, be sure to remove the USB memory drive before disconnecting the ipod docking cable.
- Adjust the volume to a moderate level before you connect your iPod and Blu-ray home theater.
- When the unit is powered on and you connect an iPod, the unit will charge your iPod's battery.
- Make sure to connect the dock connector so that the label "**SAMSUNG**" faces upward.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

iPod models that can be used with the HT-BD1200

 iPod 1st+2nd generation 5GB 10GB 20GB	 iPod 5th generation (video) 30GB 60GB 80GB	 iPod 3rd generation 10GB 15GB 20GB 30GB 40GB
 iPod nano 2nd generation (aluminum) 2GB 4GB 8GB	 iPod mini 4GB 6GB	 iPod 4th generation 20GB 40GB
 iPod nano 3rd generation (video) 4GB 8GB	 iPod 4th generation (color display) 20GB 30GB 40GB 60GB	 iPod classic 80GB 120GB 160GB
 iPod touch 1st generation 4GB 16GB 32GB	 iPod nano 4th generation(video) 8GB 16GB	 iPod nano 1st generation 1GB 2GB 4GB
 iPod touch 2nd generation 8GB 16GB 32GB	 iPhone 4GB 8GB 16GB	 iPhone 3G 8GB 16GB



- “Made for iPod” means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- “Works with iPhone” means that an electronic accessory has been designed to connect specifically to an iPhone and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries. iPhone is a trademark of Apple Inc.

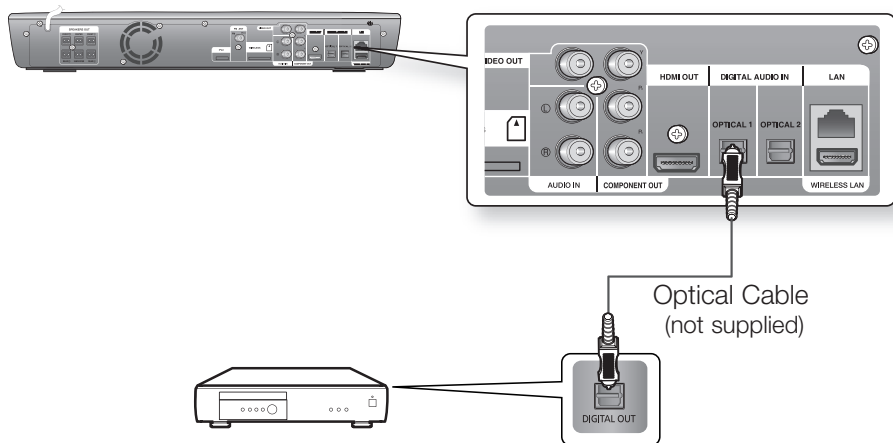
Connections

CONNECTING AUDIO FROM EXTERNAL COMPONENTS

OPTICAL : Connecting an External Digital Component

Digital signal components such as a Cable Box/Satellite receiver (Set-Top Box).

1. Connect the Digital Input (OPTICAL 1 or OPTICAL 2) on the main unit to the Digital Output of the external digital component.
2. Press the **D.IN** button on the remote control to select **D.IN 1** or **D.IN 2** input.
 - You can also use the **FUNCTION** button on the main unit.The mode switches as follows : **BD/DVD** → **D.IN 1** → **D.IN 2** → **AUX** → **FM**.



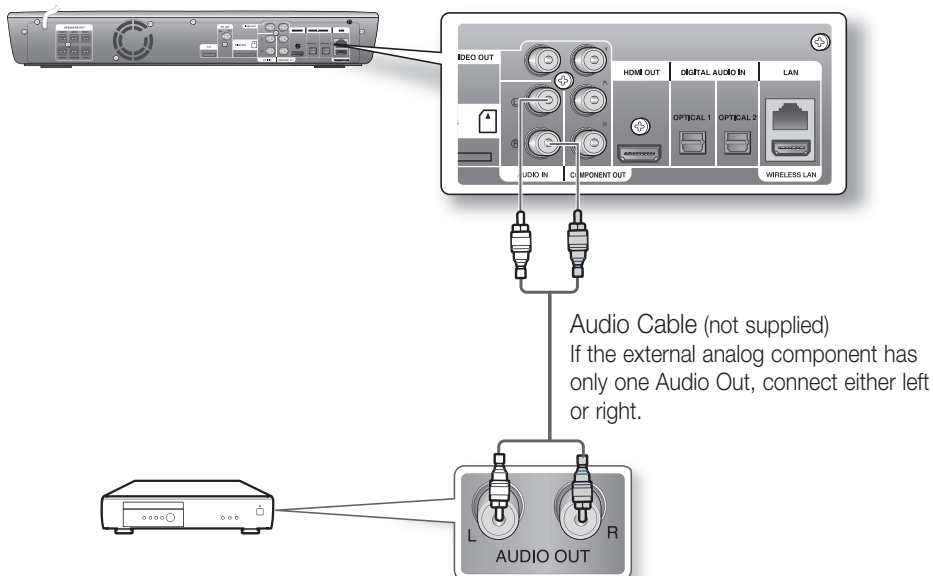
- To see video from your Cable Box/Satellite receiver, you must connect its video output to a TV.
- This system supports Digital sampling frequencies of 32 kHz or higher from external digital components.
- This system supports only DTS and Dolby digital audio, MPEG audio which is bitstream cannot be supported.

AUX : Connecting an External Analog Component

Analog signal components such as a VCR.

1. Connect AUX IN (Audio) on the main unit to the Audio Out of the external analog component.
 - Be sure to match connector colors.
2. Press the **AUX** button on the remote control to select **AUX** input.
 - You can also use the **FUNCTION** button on the main unit.

The mode switches as follows : **BD/DVD** → **D.IN 1** → **D.IN 2** → **AUX** → **FM**.



- You can connect the Video Output jack of your VCR to the TV, and connect the Audio Output jacks of the VCR to this product.

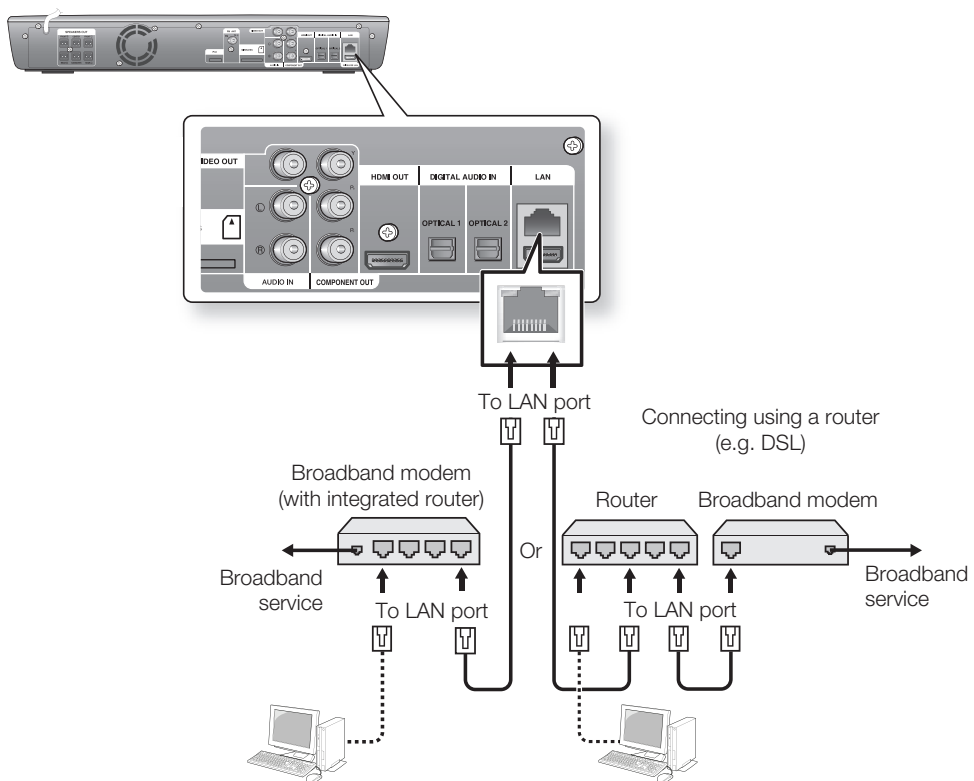
Connections

CONNECTING TO THE NETWORK

To access network service or upgrade the current firmware, you must make one of the following connections. By connecting to a network, you can access the BD-LIVE, Netflix, Pandora services and software upgrades from Samsung's update server.

Case 1 : Connecting a Direct LAN Cable to your Modem

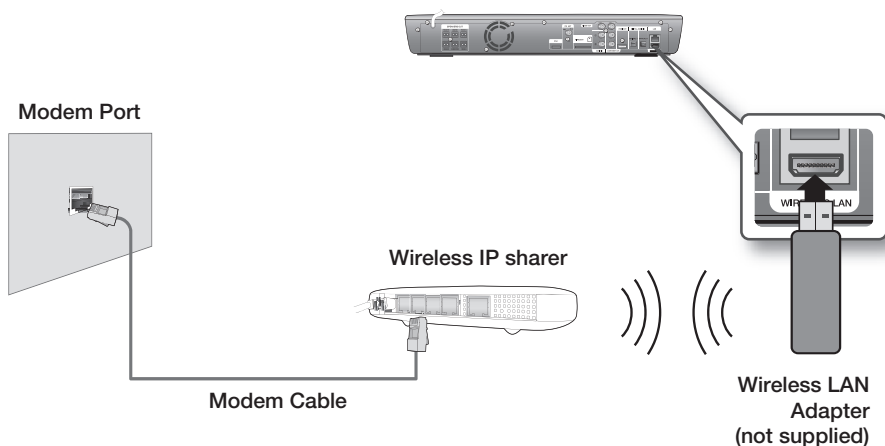
1. Using the Direct LAN Cable (UTP cable, not supplied), connect the LAN terminal of the Blu-ray Disc Player to the LAN terminal of your modem.



- Internet access to Samsung's update server may not be allowed, depending on the router you use or the ISP's policy. For more information, contact your ISP (Internet Service Provider).
- For DSL users, please use a router to make a network connection.

Case 2 : Connecting to a Wireless IP sharer

You can connect to network with a Wireless IP sharer. See page 52 for Wireless Network Setup.

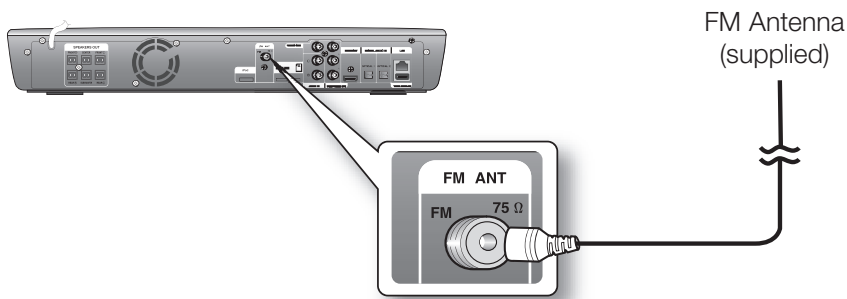



- This unit is compatible with only Samsung Wireless LAN Adapter. (not supplied) (Model name: WIS09ABGN).
 - The Samsung Wireless LAN Adapter is sold separately.
 - Contact a Samsung Electronics agent or service center for purchasing.
- You must use a wireless IP sharer that supports IEEE 802.11 a/b/g/n. (n is recommended for stable operation of the wireless network.)
- Wireless LAN, in its nature, may cause interference, depending on the use condition (AP performance, distance, obstacle, interference by other radio devices, etc).
- Set the wireless IP sharer to Infrastructure mode. Ad-hoc mode is not supported.
- When applying the security key for the AP (wireless IP sharer), only the following is supported.
 - 1) Authentication Mode : WEP, WPAPSK, WPA2PSK
 - 2) Encryption Type : WEP, TKIP, AES

Connections

CONNECTING THE FM ANTENNA

1. Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

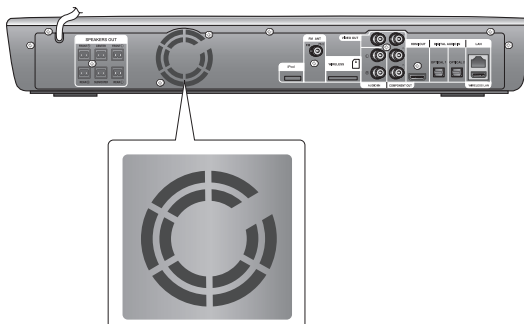


-
-  ■ This unit does not receive AM broadcasts.

Cooling Fan

The cooling fan supplies cool air to the unit to prevent overheating. Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit may rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)



Basic functions of your Blu-ray Home Theater

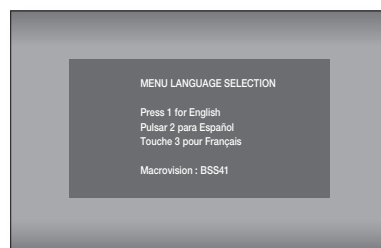
This section introduces basic playback functions and playback by disc type.

BEFORE PLAYING

- Turn on your TV and set it to the correct Video Input (the input the Blu-ray Home Theater 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:

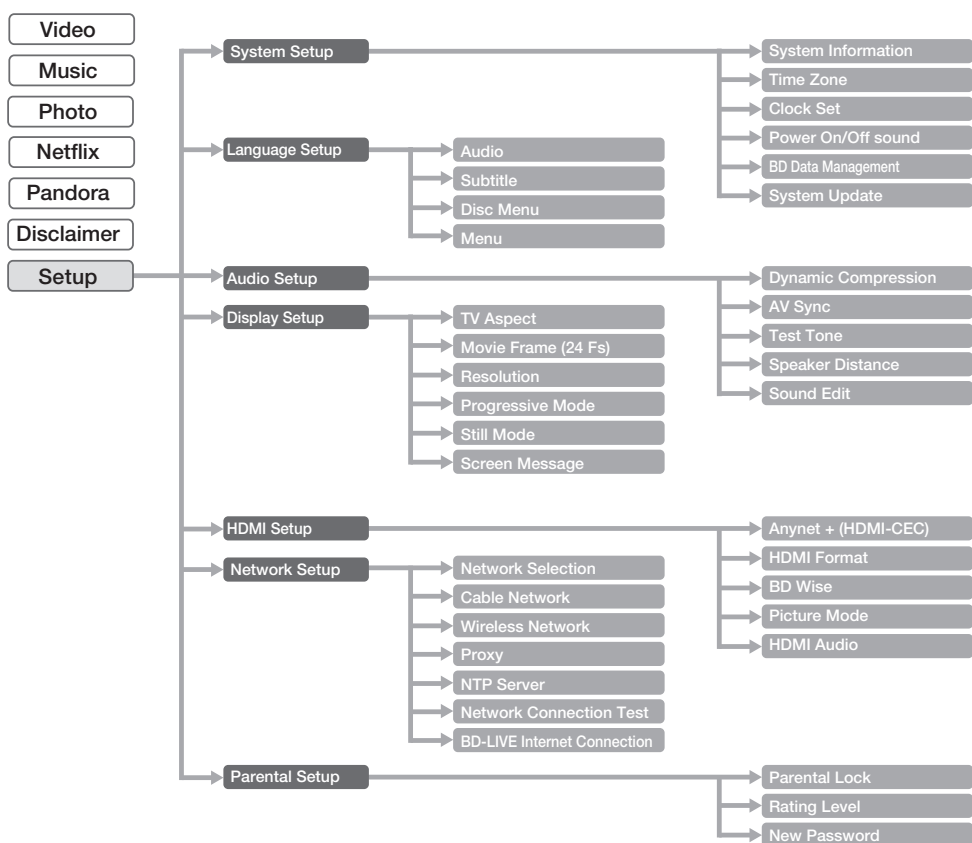
If you want to select a language, press a **NUMBER** button. (This screen will only appear when you plug in the player for the first time.) If the language for the startup screen is not set, the settings may change whenever you turn the power on or off. Therefore, make sure that you select the language you want to use. Once you select a menu language, you can change it by pressing the **STOP** (■) button on the front panel of the unit for more than 5 seconds with no disc in the unit. Then the MENU LANGUAGE SELECTION window appears again where you can reset your preferred language.



- Discs which can be played on this player (For the following discs, the ability to play back may depend on recording conditions.)
 - BD-ROM
 - BD-RE
 - BD-R
 - DVD-R
 - DVD-RW (V mode)
 - CD-RW/CD-R
 - The unit may not play certain CD-RW/CD-R and DVD-R due to the disc type or recording conditions.
- Discs which cannot be played on this player.
 - 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.
- Blu-ray 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.

Basic functions of your Blu-ray Home Theater

ON-SCREEN MENU NAVIGATION



PLAYING A DISC

1. Press the **OPEN/CLOSE** button.
2. Place a disc gently into the tray with the disc's label facing up.
3. Press the **PLAY** button or **OPEN/CLOSE** button to close the disc tray.



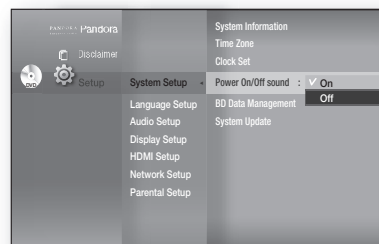
- When you stop disc play, the player remembers where you stopped, so when you press **PLAY** button again, it will pick up where you left off. This is called the "Resume" function. With some Blu-ray discs(BD-J), this function may not work.
- Press the **STOP** button twice during playback to disable the Resume function.
- To pause the playback, press the **PAUSE** button during playback. To resume, press the **PLAY** button.
- If the player is left in the stop mode more than 5 minutes without any user interface, a screen saver will appear on your TV. If the player is left in the screen saver mode for more than 30 minutes, the power will automatically turn off except during playback of an CD-DA (Automatic Power-Off Function).
- If no buttons are pressed on the unit or remote control for more than 5 minutes when the unit is in Pause mode, operation will stop (except for some Blu-ray Discs).

SETTING THE SOUND

Setting the Power On / Off Melody Sound

A Melody sound can be set so it is heard each time you turn the player on or off.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **System Setup**, then press the **ENTER** or **►** button.
4. Press the **▲▼** buttons to select **Power On/Off sound**, then press the **ENTER** or **►** button.
5. Press the **▲▼** buttons to select **On** or **Off**, then press the **ENTER** or **►** button.
6. Press the **MENU** button to exit the setup menu.



USING THE SEARCH AND SKIP FUNCTIONS

During play, you can search quickly through a chapter or track, and use the skip function to jump to the next selection.

Searching through a Chapter or Track



During playback, press the **SEARCH** (**◀▶**) button.

Each time you press the **SEARCH** button, the playback speed will change as follows.

BD-ROM, BD-RE, BD-R, DVD-VIDEO, DVD-RW, DVD-R	►► X 2 → ►► X 4 → ►► X 8 → ►► X 16 → ►► X 32 → ►► X 128 ◀◀ X 2 → ◀◀ X 4 → ◀◀ X 8 → ◀◀ X 16 → ◀◀ X 32 → ◀◀ X 128
--	--

- You can scan the program in reverse.
- To return to normal speed playback, press the **PLAY** button.



■ No sound is heard during search mode.

Skipping Tracks



During playback, press the **SKIP** (**◀▶**) button.

When playing a Blu-ray Disc/DVD, if you press the **SKIP** (**▶▶**) button, it moves to the next chapter.

If you press the **SKIP** (**◀◀**) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.


Basic functions of your Blu-ray Home Theater

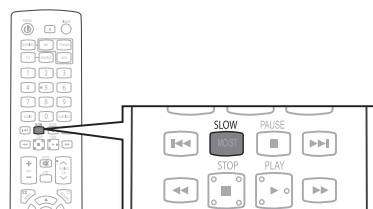
SLOW MOTION PLAY/STEP MOTION PLAY


Slow Motion Play



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

- If you press the **SLOW** button, **1/8** **1/4** **1/2**
- To return to normal speed playback, press the **PLAY** () button.




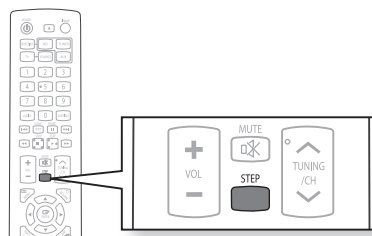
- This () icon indicates an invalid button press.
- No sound is heard during slow mode.
- Slow motion operates only in the forward direction.

Step Motion Play



Press the **STEP** button on the remote control during play for Step Motion 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** () button to resume normal play.



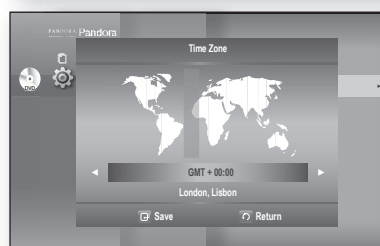
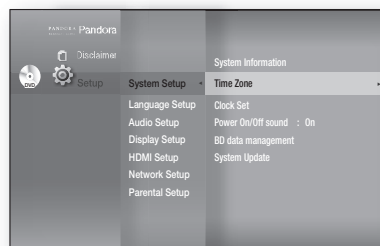
- No sound is heard during step mode.
- Step motion operates only in the forward direction.

System setup

SETTING THE CLOCK

Choose your time zone

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **System Setup**, then press the **ENTER** or **►** button.
4. Press the **▲▼** buttons to select **Time Zone**, then press the **ENTER** or **►** button.
5. Use the **◀▶** button to place the cursor to the appropriate time zone for your area and press the **ENTER** button.

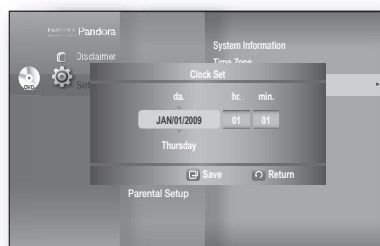
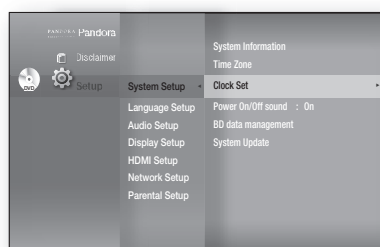


- To set the time automatically, set the NTP server to **On** (see page 55).

Set the clock

To setup, follow steps 1 through 3 above.

4. Press the **▲▼** buttons to select **Clock Set**, then press the **ENTER** or **►** button.
5. Press the **◀▶** buttons to move to “**da.**”(date), “**hr**” (hour), “**min**” (minute) and “**am/pm**”. Set the date and time by pressing the **▲▼** buttons, then press the **ENTER** button.



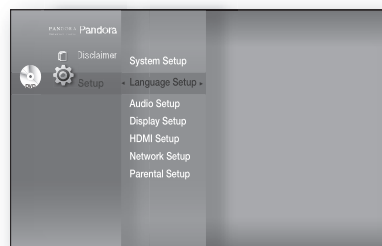
Language setup

SETTING UP THE LANGUAGE OPTIONS

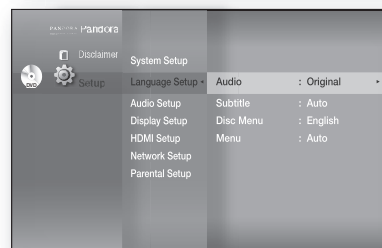
Once you set the audio, subtitle, disc menu and player menu language options, they will be applied automatically every time you watch a movie.

- If you want to choose a different audio and subtitle language while playing a disc, you can also use the disc menu to make the selection.

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

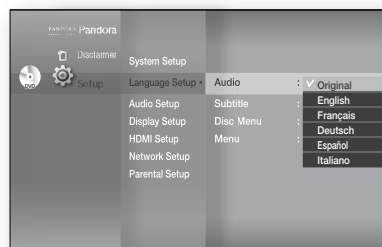


3. Press the **▲▼** buttons to select **Language Setup**, then press the **ENTER** or **►** button. Language setup menu will be displayed.



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
- **Menu** : For the on-screen menu of your Blu-ray Home Theater.



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

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

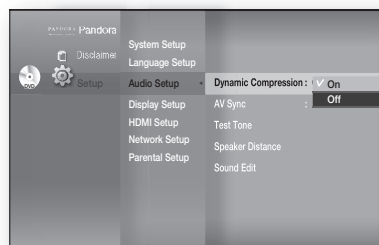
Audio setup

SETTING UP THE SPEAKER OPTIONS

Dynamic Compression

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

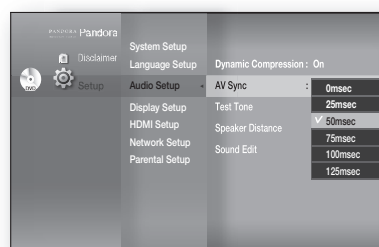
- **On** : When Movie soundtracks are played at low volume or from smaller speakers, the system can apply appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.
- **Off** : You can enjoy the movie with the standard Dynamic Range.



AV Sync

Video may look slower than the audio when the player is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

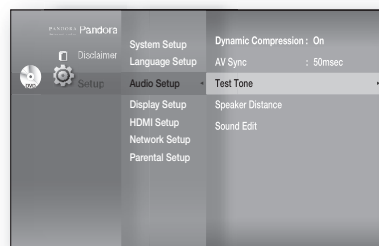
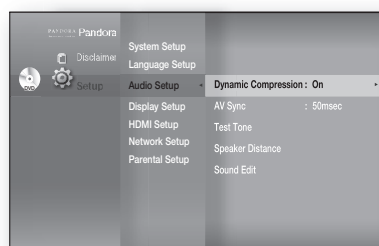
- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.



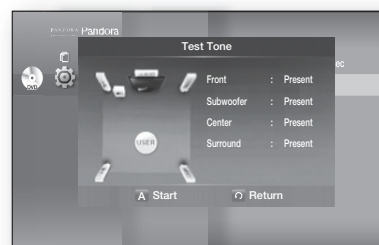
Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **Audio Setup**, then press the **ENTER** or **►** button.
 - Audio setup menu will be displayed.
4. Press the **▲▼** buttons to select **Test Tone**, then press the **ENTER** or **►** button.
5. Press the **RED(A)** button
 - A test tone will be sent to **L → C → R → SR → SL → LFE** in order so you can make sure the speakers are set up correctly.
6. To end the test tone, press the **RED (A)** button again.



- Press the **RETURN** button to return to the previous menu.
- When playing a BD/DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.
- When HDMI AUDIO is on (audio is produced through TV speakers), the TEST TONE function is not available.



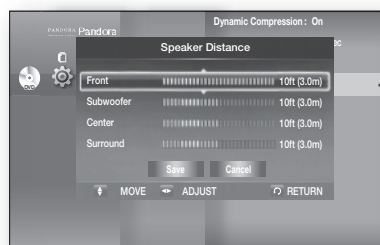
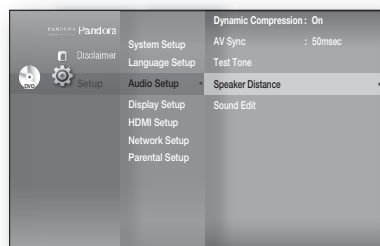
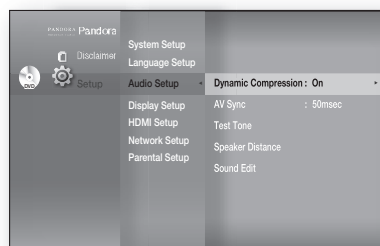
Audio setup

SETTING UP THE SPEAKER OPTIONS

Setting the Speaker Distance

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the front, subwoofer, center, surround speakers.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **▶** button.
3. Press the **▲▼** buttons to select **Audio Setup**, then press the **ENTER** or **▶** button.
 - Audio setup menu will be displayed.
4. Press the **▲▼** buttons to select **Speaker Distance**, then press the **ENTER** or **▶** button.
5. Press the **▲▼** buttons to select the desired Speaker, then press the **◀▶** buttons to set the Speaker Distance.
 - You can set the Speaker Distance between 1ft(0.3m) and 30ft(9m).
6. When done, use the **▲▼◀▶** buttons to select **Save**, then press the **ENTER** button.
If you don't want to save your settings, use the **▲▼◀▶** buttons to select **Cancel**, then press the **ENTER** button.

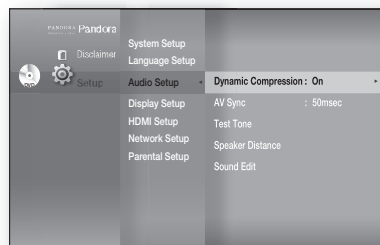


- Press the **RETURN** button to return to the previous menu.

Setting the Sound Edit

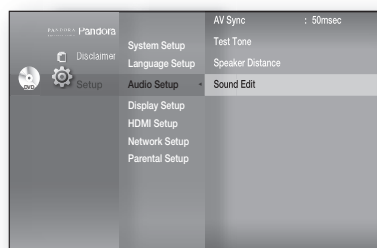
You can adjust the balance and level for each speaker.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **▶** button.
3. Press the **▲▼** buttons to select **Audio Setup**, then press the **ENTER** or **▶** button.
 - Audio setup menu will be displayed.



Setting the Sound Edit

4. Press the ▲▼ buttons to select **Sound Edit**, then press the **ENTER** or ► button.
5. Press the ▲▼ buttons to select the desired Speaker, then press the ◀▶ button to adjust the settings.
6. When done, use the ▲▼◀▶ buttons to select **Save**, then press the **ENTER** button.
If you don't want to save your settings, use the ▲▼◀▶ buttons to select **Cancel**, then press the **ENTER** button.



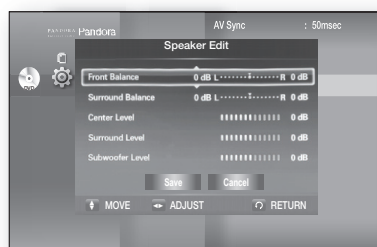
- Press the **RETURN** button to return to the previous menu.

Adjusting Front/Surround Speaker Balance

- You can select between 0, -6, and OFF.
- The volume decreases as you move closer to -6.

Adjusting Center/Surround/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to -6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.



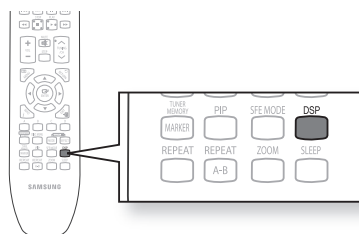
DSP(Smart Sound) Function

This will regulate and stabilize the volume level against a drastic volume change when changing channels or during a scene transition.

Press the **DSP** button.

- Each time the button is pressed, the selection changes as follows:

S.SOUND ON → **S.SOUND OFF**



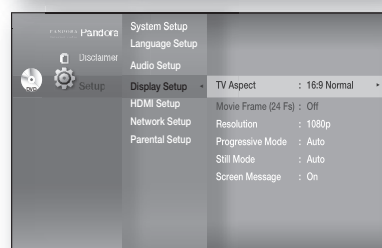
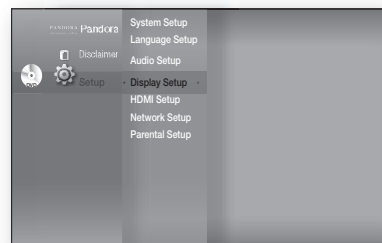
Display setup

SETTING UP THE DISPLAY 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 **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **Display Setup**, then press the **ENTER** or **►** button.
Video setup menu will be displayed.
4. Press the **▲▼** buttons to select the desired display option from the options on the following pages.
5. Press the **▲▼** buttons to select the desired sub-menu item from a video display option, then press the **ENTER** button.
6. Each video option is described in detail below.

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



TV Aspect

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



- **4:3 Letter Box :**
Select when you want to see the total 16:9 ratio screen a Blu-ray Disc/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.



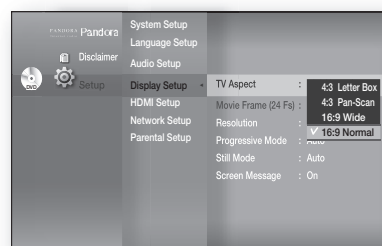
- **4:3 Pan-Scan :**
Select when you want to see the 16:9 video supplied by the Blu-ray Disc/DVD without the black bars on top and bottom, even though you have a TV with a 4:3 ratio screen (extreme left and right portion of the movie picture will be cut off).



- **16:9 Wide :**
You can view the full 16:9 picture on your widescreen TV.



- **16:9 Normal :**
Certain movies (4:3 source) will be displayed in 4:3 Pillarbox (black bars on sides of picture) if 16:9 normal is selected.



- ✎ Depending on the disc type, some aspect ratios may not be available.
- If you select an aspect ratio which is different than the aspect ratio of your TV screen, then the picture might appear to be distorted.

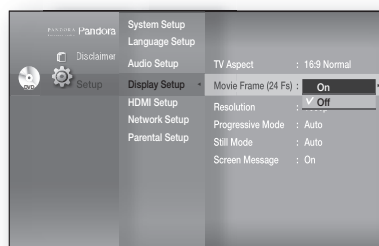
Movie Frame (24 Fs)

Movies are usually filmed at 24 frames per second. Some Blu-ray Discs have the capability of playing back at this frame rate. Setting the Movie Frame (24Fs) feature to ON allows you to adjust the Blu-ray Home Theater's HDMI output to 24 frames per second for improved picture quality.

You can enjoy the Movie Frame (24Fs) feature only on a TV supporting this frame rate.

This menu can only be selected in 1080i or 1080p HDMI output resolution modes.

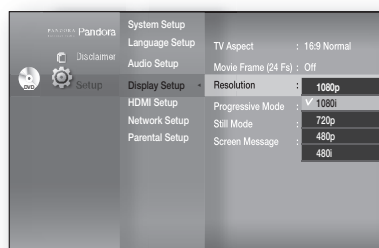
Depending on the disc, two types of frame rates may be included: Movie material (24 frame) and Video material (30 frame). When the setting switches between Movie (24 frame) and Video (30 frame), the screen may blink for a few seconds.



Resolution

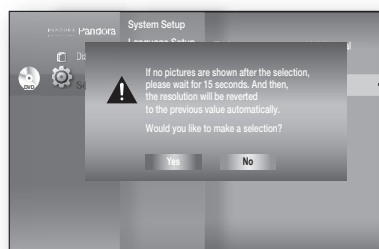
Sets the output resolution of the HDMI and Component video signal.

- 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.
 - BD Wise : Automatically sets the optimal resolution when connected via HDMI to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to On.)
 - 1080p : Outputs 1080 lines of progressive video (HDMI only).
 - 1080i : Outputs 1080 lines of interlaced video.
 - 720p : Outputs 720 lines of progressive video.
 - 480p : Outputs 480 lines of progressive video.
 - 480i : Outputs 480 lines of interlaced video (Component only).



If the connected TV does not support 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. Please wait for 15 seconds and the resolution will revert to the previous value automatically.



- If the screen is blank, press and hold the **STOP** (■) 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.
- When the factory default settings are restored, all the user data stored in the BD data will be deleted.

Display setup

SETTING UP THE VIDEO DISPLAY/OUTPUT OPTIONS

Resolution according to the output mode

- Blu-ray Disc playback

Setup \ Output	HDMI	Component (HDMI&Comp. connected / Comp. connected only)	VIDEO
1080p, Movie Frame(24Fs) off	1080p@60F	1080i	480i
1080p/1080i, Movie Frame (24Fs) on	1080p@24F	480i / 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 (HDMI&Comp. connected / Comp. connected only)	VIDEO
1080p	1080p@60F	480i / 480p	480i
1080i	1080i	480i / 480p	480i
720p	720p	480i / 480p	480i
480p	480p	480i / 480p	480i
480i	480p	480i	480i

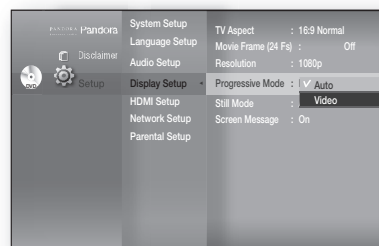


- In DVD playback, if both HDMI and Component jacks are connected and you select the Component 1080p, 1080i or 720p mode, the Display Setup menu will show the output resolution as 1080p, 1080i or 720p in the menu. The resolution is actually 480i.
- This player has the HDMI Auto Detect Feature. When the 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 Blu-ray Disc must have the 24 frame feature in order to use the Movie Frame (24Fs) mode.

Progressive Mode

The Progressive Mode helps to improve picture quality when viewing 480i resolution DVD discs.

- **Auto** : Select this to have the player automatically set the best picture for the DVD you're watching.
- **Video** : Select this for the best picture from Concert or TV show DVDs.

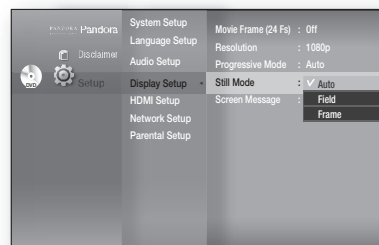


Frame & Field bar

Still Mode

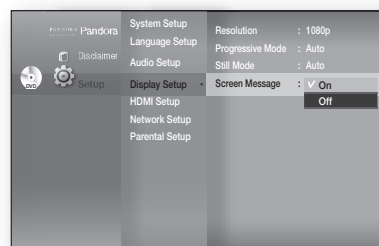
Set the Auto, Field or Frame setting for the best possible still picture (pause mode) from a DVD.

- **Auto**: Select this setting to have the player automatically display the best Still picture depending on the content.
- **Field Mode**: Select this when pausing a scene with a lot of action.
- **Frame Mode**: Select this to increase the resolution of the Still picture.



Screen Message

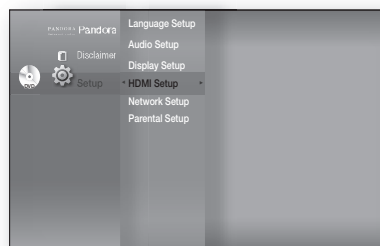
- **On** : Displays messages related to operation mode.
- **Off** : Does not display messages related to operation mode.



HDMI setup

SETTING UP THE HDMI SETUP OPTIONS

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **▶** button.
3. Press the **▲▼** buttons to select **HDMI Setup**, then press the **ENTER** or **▶** button.
HDMI setup menu will be displayed.
4. Press the **▲▼** buttons to select the desired display option, then press the **ENTER** or **▶** button.



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

Anynet+ (HDMI-CEC)

Samsung products only

What is Anynet+?

Anynet+ is a convenient function that offers linked operations with other Samsung products with the Anynet+ feature.

You can operate this unit using a Samsung TV remote control or power on your Samsung TV and Home theater and start disc playback simply by pressing the **PLAY** button on the TV's remote.



- This function is not available if the HDMI cable does not support CEC.

To use Anynet+

1. Connect the Blu-ray Home Theater to a Samsung TV with an HDMI cable. (See pages 24~25)
2. Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)

Anynet+ Functions

- One touch play
You can power on your Samsung TV and Home Theater, and play the disc in this unit simply by pressing the **PLAY** button on the TV's remote.
- One touch watching
Select "Watching Blu-ray Home Theater" or "Connected to Blu-ray Home Theater" (depending on your TV's menu) in the Anynet+ menu on the TV. The Blu-ray Home Theater will automatically turn on and the TV will be switched to HDMI mode.
- Remote control Link
You can operate this player with your Samsung TV remote control.
- Available buttons on the Samsung TV remote: These buttons work the same as this Blu-ray Home Theater's remote control.
 - Playback control buttons :
 - Menu operation button :
 - Numeric buttons :
 - Color buttons :

TV Anynet+ Menu

When you press the Anynet+ button on your Samsung TV's remote control, the following On-Screen Display (OSD) will be shown.

- Blu-ray Home Theater Menu
 - When playing a movie : brings up the disc's menu (same as **DISC MENU** button on the Blu-ray Home Theater's remote control)
 - In Stop mode : brings up the SETUP menu (same as the **MENU** button on the Blu-ray Home Theater's remote control.)
- Blu-ray Home Theater Operation Menu
 - When playing a DVD VIDEO, DVD-RW/-R, BD-ROM, BD-RE : shows INFO OSD (same as **INFO** button on the player's remote control)

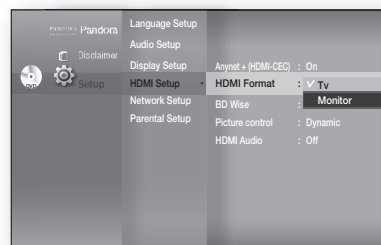


- These menus may look different depending on your Samsung TV.

HDMI Format

You can optimize the HDMI output for connection to a TV or Monitor.

- **TV** : Select if connected to a TV via HDMI.
- **Monitor** : Select if connected to a Monitor via HDMI.
If the player is connected to a TV, the Monitor option is unavailable.



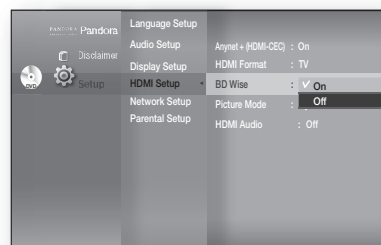
- TV or monitor has to be connected to the player before you select this option.

BD Wise

Samsung products only

BD Wise is Samsung's latest inter-connectivity feature. When you connect Samsung products with BD-Wise to each other via HDMI, the optimum resolution will be set automatically.

- **On** : The original resolution of the BD/DVD disc will be output to the TV direct.
- **Off** : The output resolution will be fixed according to the Resolution previously set, regardless of the resolution of the disc.



- If you want to change the resolution when you set BD Wise on, you must set BD Wise to Off in advance.
- If you set BD Wise to off, the resolution of the connected TV will be automatically adjusted to its maximum resolution.
- If the player is connected to a device that does not support BD Wise, you can not use the BD wise function.
- For a proper operation of BD Wise, set BD Wise to ON in the menus of the player and the TV.

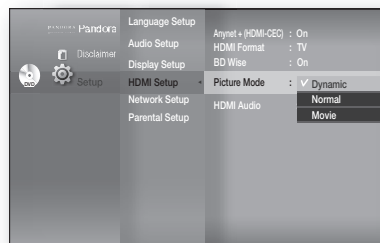
HDMI setup

SETTING UP THE HDMI SETUP OPTIONS

Picture Control

This function enables you to adjust video quality when you are connected to a TV via HDMI.

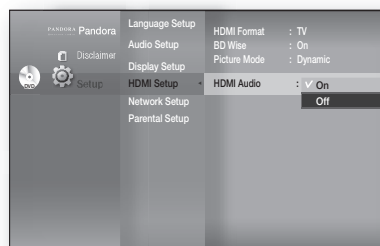
- **Dynamic** : Choose this setting to increase Sharpness.
- **Normal** : Choose this setting for most viewing applications.
- **Movie** : This is the best setting for watching movies.



HDMI Audio

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

- **On** : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
- **Off** : Video is transmitted over the HDMI connection cable only, and audio is output through the Blu-ray Home Theater speakers only.



- The default setting of this function is HDMI Audio Off.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.

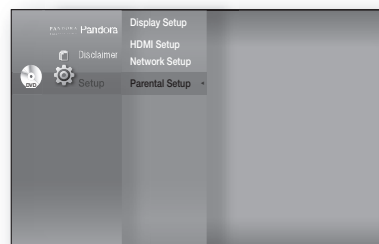
Parental setup

SETTING UP THE PARENTAL LOCK

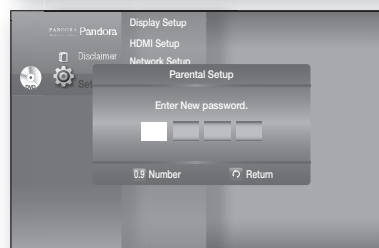
The Parental Lock function works in conjunction with Blu-ray Disc/DVDs that have been assigned a rating which helps you control the types of Blu-ray Disc/DVDs that your family watches. There are up to 8 rating levels on a disc.



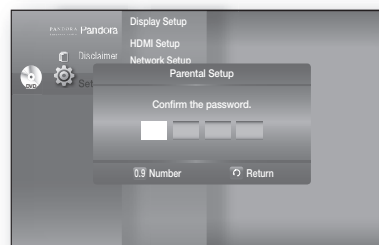
1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.



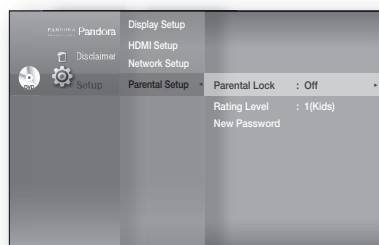
3. Press the **▲▼** buttons to select **Parental Setup**, then press the **ENTER** or **►** button.
When you operate your Blu-ray Home Theater for the first time, the “Enter New password.” message will be displayed.



4. Enter the 4-digit password using the number buttons on the remote control.
The “Confirm the password.” message will be displayed.
Enter your password again.



5. Press the **ENTER** or **►** button to select Parental Lock.
6. Press the **▲▼** buttons to select **On** or **Off**, then press the **ENTER** button.



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

Parental setup

SETTING UP THE PARENTAL LOCK

If you forgot your password

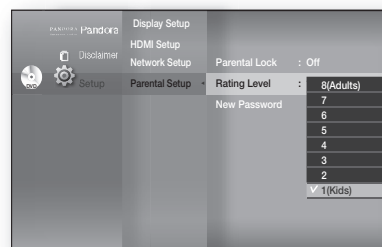
1. Remove the disc.
2. Press and hold the **STOP** (■) button on the front panel for 5 seconds or more.
 - All settings will revert to the factory settings.



- When the factory default settings are restored, all the user data stored in the BD data will be deleted.

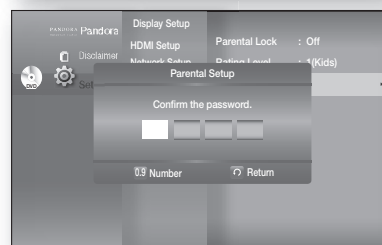
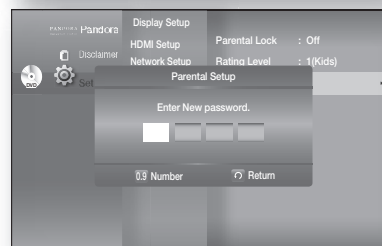
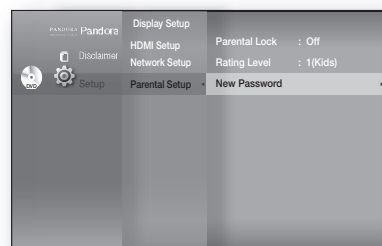
Setting the Rating Level

1. Press the ▲▼ buttons to select **Rating Level**, then press the **ENTER** or ► button.
2. Press the ▲▼ buttons to select 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.



Changing the Password

1. Press the ▲▼ buttons to select **New Password**, then press the **ENTER** or ► button.
2. Enter the 4-digit password using the number buttons on the remote control. The “Enter New password.” message will be displayed.
3. Enter your password again using the number buttons on the remote control.



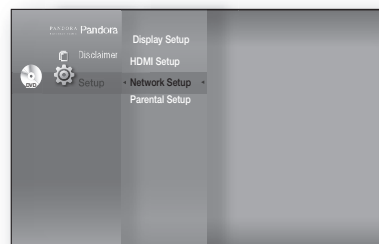
Network setup

SETTING UP THE NETWORK SETUP OPTIONS

To obtain information on the proper settings, check the network settings on your computer or contact your Internet provider.

To set the network of your Blu-ray Home Theater, follow the steps below.

1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **Network Setup**, then press the **ENTER** or **►** button.
4. Press the **▲▼** buttons to select the desired network option from the options described below, then press the **ENTER** or **►** button.
5. Press the **▲▼** buttons to select the desired item, then press the **ENTER** button.
Each network option is described in detail below.

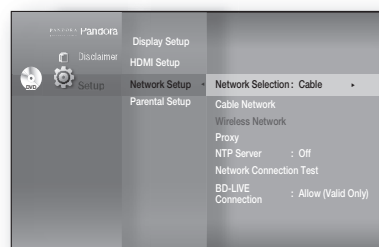


Network Selection

Select Cable or Wireless as the method to connect to network.

To setup, follow steps 1~3 above.

4. Press the **▲▼** buttons to select **Network Selection**, then press the **ENTER** or **►** button.
 - **Cable** : Select this to connect to the network using a cable. (see page 30)
 - **Wireless** : Select this to connect to the network wirelessly. (see page 31)



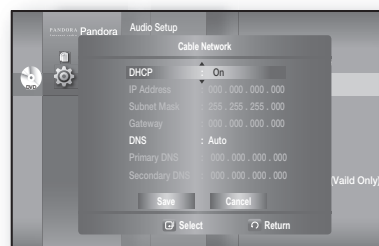
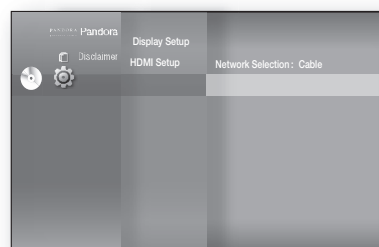
Cable Network

To setup, follow steps 1~3 above.

4. Press the **▲▼** buttons to select **Cable Network**, then press the **ENTER** or **►** button.
5. Press the **▲▼** buttons to select **DHCP**, then press the **ENTER** button.



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

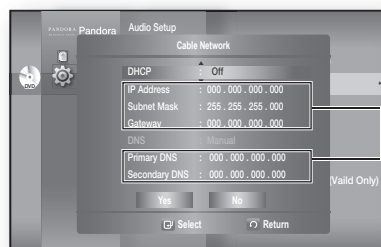


Network setup

SETTING UP THE NETWORK SETUP OPTIONS

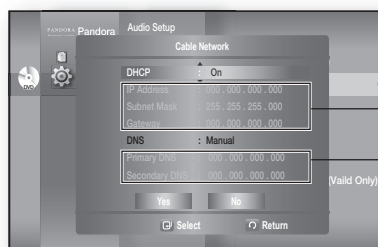
6. Press the ▲▼ buttons to select a desired item, then press the **ENTER** button.

- If DHCP is set to **Off** and, DNS to Manual, enter your IP Address, Subnet Mask, Gateway and Primary DNS settings (Secondary DNS is optional).



Setup available

- If DHCP is set to **On** and, DNS to Manual, enter your Primary DNS setting (Secondary DNS is optional).



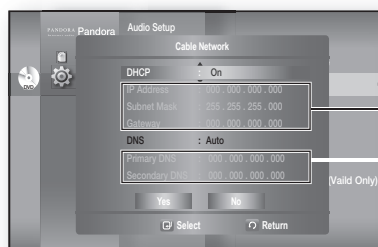
Setup available

Setup not available

- If DHCP is set to **On** and, DNS to Auto, you don't need further or additional settings.



- When you select an item, use the number and ▲▼◀▶ buttons.
- If the automatic settings don't work, contact your ISP.



Setup not available

7. When done, use the ▲▼ buttons to select **Save**, then press the **ENTER** button.

8. If you don't want to save your work, use the ▲▼◀▶ buttons to select **Cancel**, then press the **ENTER** button.

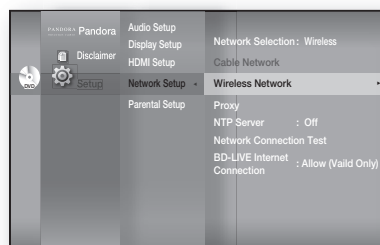


- The IP address used in this manual is for illustrative purposes only. You must refer to your network settings for the actual IP address.
- To obtain settings for IP address, Subnet mask, Gateway and Primary DNS, check the network settings in your computer or contact your internet service provider.

Wireless Network

To setup, follow steps 1~3 on page 51.

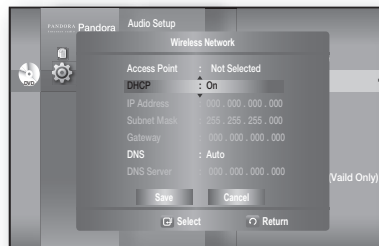
4. Press the ▲▼ buttons to select **Wireless Network**, then press the **ENTER** or ▶ button.



5. Press the ▲▼ buttons to select **DHCP**, then press the **ENTER** button.

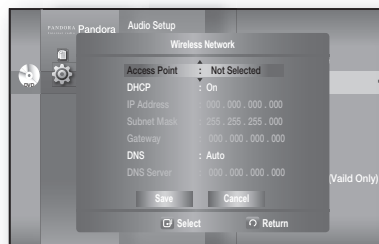


- If DHCP is set to **On**, you can't select IP Address, Subnet Mask or Gateway.
- If DNS is set to **Auto**, you can't select Primary/Secondary DNS.

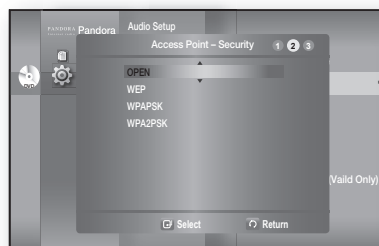


6. Press the ▲▼ buttons to select a desired item, then press the **ENTER** button.

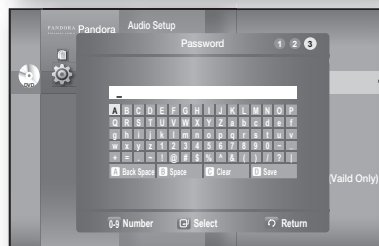
- Select an Access Point, and then press the **ENTER** button to display available list of APs.
(It may take several seconds to search.)
- When you select an AP and press the **ENTER** button, it tries to connect to the designated AP.
- If successful, a notification appears.
(If selected AP shows a Lock icon, you may need to provide security authentication.)



- Select your appropriate Security Access Point if it is known. If it is not, select WEP, WPAPSK or WPA2PSK from the list below and enter in the password. Keep trying each Security Access Point and enter the Password until a connection is made.

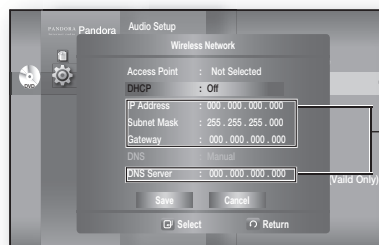


- Enter in the Password then press the **BLUE (D)** button to connect to your access point (Router).



For further details on AP security, refer to the AP's (Router) user manual.

- If DHCP is set to **Off** and, DNS to Manual, enter your IP Address, Subnet Mask, Gateway and DNS Server.

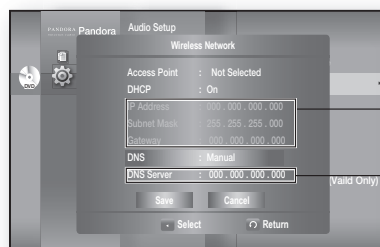


Setup available

Network setup

SETTING UP THE NETWORK SETUP OPTIONS

- If DHCP is set to **On** and, DNS to Manual, enter your DNS Server.

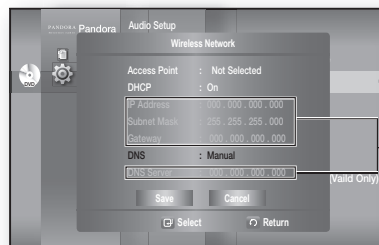


Setup available
Setup not available

- If DHCP is set to **On** and, DNS to Auto, you don't need further or additional settings.



- When you select an item, use the number and ▲▼◀▶ buttons.
- If the automatic settings don't work, contact your ISP.



Setup not available

7. When done, use the ▲▼ buttons to select **Save**, then press the **ENTER** button.
8. If you don't want to save your work, use the ▲▼◀▶ buttons to select **Cancel**, then press the **ENTER** button.

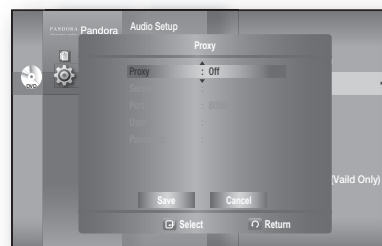


- The IP address used in this manual is for illustrative purposes only. You must refer to the your network settings for the actual IP address.
- To obtain settings for IP address, Subnet mask, Gateway and DNS Server, check the network settings in your computer or contact your internet service provider.

Proxy Setting

A proxy server services requests by forwarding them to other servers.
If you are required to configure the proxy setting, enter the settings specified by the ISP.
To setup, follow steps 1~3 on page 51.

4. Press the ▲▼ buttons to select **Proxy**, then press the **ENTER** or ▶ button.
 - **Server**
 - **Port**
 - **User**
 - **Password**



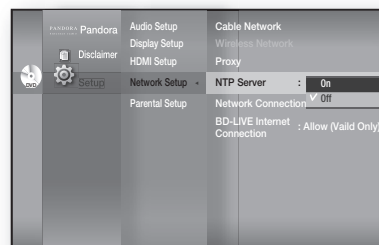
- For more information, contact your ISP (Internet Service Provider).

NTP Server (Used to Retrieve Time Information from NTP Server)

To setup, follow steps 1~3 on page 51.

4. Press the ▲▼ buttons to select **NTP Server**, then press the **ENTER** or ► button.

- **On** : the player automatically connects to the Internet server in order to adjust the time setting.
- **Off** : the player does not connect to the Internet server to adjust the time setting.

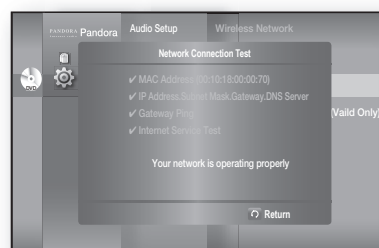


Network Connection Test

Use this menu to check whether your network connection is working or not.

To setup, follow steps 1~3 on page 51.

4. Press the ▲▼ buttons to select **Network Connection Test**, then press the **ENTER** or ► button.



BD-LIVE Internet Connection

The Blu-ray Home Theater supports BD-LIVE which enables you to enjoy a variety of interactive service contents provided by the disc manufacturer through a network connection. To enjoy this feature, you must first perform the LAN connection (see page 30) or Wireless Lan adapter connection to the USB slot.

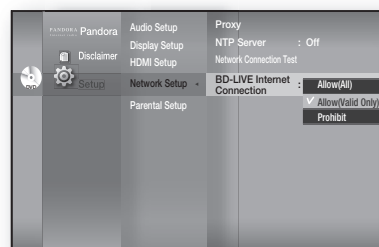
* You must have a minimum 1 GB USB Memory device inserted in one of the USB slots in order to download content from BD-LIVE.

The Internet connection may be restricted while you are using BD-LIVE contents.

To setup, follow steps 1~3 on page 51.

4. Press the ▲▼ buttons to select **BD-LIVE Internet Connection**, then press the **ENTER** or ► button.

- **Allow (All)** : The Internet connection will be allowed for all BD-LIVE contents.
- **Allow (Valid Only)** : The Internet connection will be allowed only for BD-LIVE contents containing a valid certificate.
- **Prohibit** : No Internet connection will be allowed for any BD-LIVE content.



- **What is a valid certificate?** When the Blu-ray Home Theater uses BD-LIVE to send the disc data and request to the server to certify the disc, the server uses the transferred data to check if the disc is valid and sends the certificate back to the player.
- The Internet connection may be restricted while you are using BD-LIVE contents.

BD data management

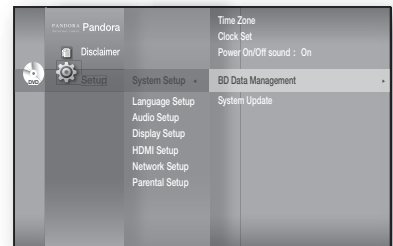
BD Data (stored in external USB flash memory) is Blu-ray Disc content such as trailers and other special features downloaded from the BD-LIVE service or Blu-ray Discs.

* You must have a minimum 1GB USB Memory device inserted in one of the USB slots in order to download content from BD-LIVE.

SYSTEM DEVICE MANAGEMENT

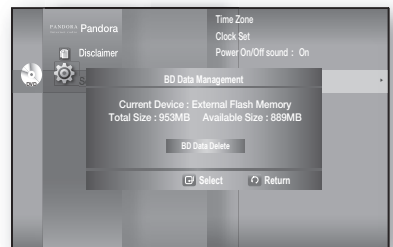
You can manage user data stored in BD data.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **▶** button.
3. Press the **▲▼** buttons to select **System Setup**, then press the **ENTER** or **▶** button.
4. Press the **▲▼** buttons to select **BD Data Management**, then press the **ENTER** or **▶** button.



- To delete the flash memory -

1. Press the **ENTER** button to select BD Data Delete.
The message "All BD data will be deleted. Do you want to continue?" will be displayed.
2. Press the **◀▶** button to select **Yes**, then press the **ENTER** button.



Description of Device(Storage) Information on the Player

- Total Size : Total size of the Device(Storage).
- Available Size : Available size of the Device(Storage).



- Memory size information on the current device(storage) is located to the right of the BD Data Management menu.
- In the external memory mode, disc playback will be stopped if you disconnect the USB device in the middle of the playback.
- We recommend using an USB device that supports USB 2.0 protocols, FAT32 format and 4MB or more read /write speed.
- The Resume Play function may not work after formatting the storage device.

System upgrade

Samsung may offer upgrades to your Blu-ray Home Theater's firmware in the future. To upgrade this firmware you must :

1. Go to samsung.com and refer to the 'SUPPORT' page to download the latest firmware.

You can use a CD-R or a USB flash drive to perform the firmware upgrade. For more information, see "Upgrade Manual" at the website mentioned above.

or

2. Connect the network (see pages 30~31) and follow the steps below.

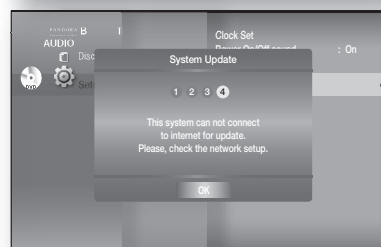
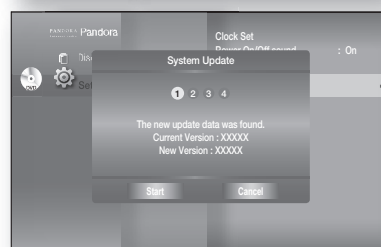
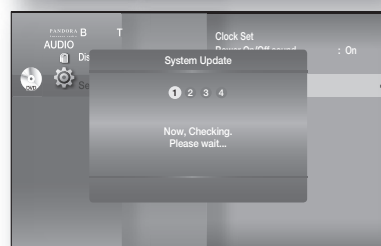
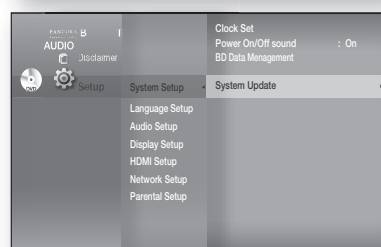
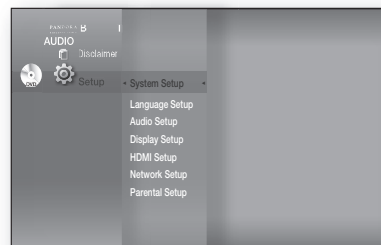
FIRMWARE UPGRADE

1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **►** button.
3. Press the **▲▼** buttons to select **System Setup**, then press the **ENTER** or **►** button.
4. Press the **▲▼** buttons to select **System Update**, then press the **ENTER** or **►** button.
5. The player will check the cable or network connection status automatically. The connection checking window will be displayed.

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

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

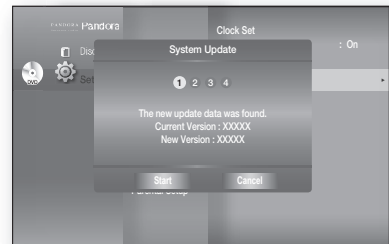
- If the cable is not connected :
"Ethernet cable is not connected. Please, check the Ethernet cable"
- If the network connection has failed :
"This system can not connect to internet for update. Please, check the network setup"
- If no latest version is released (the latest version has been already 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.
- If the server service is not available :
"Update Server is under maintenance. Please try again later."



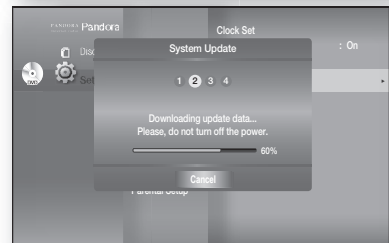
System upgrade

FIRMWARE UPGRADE

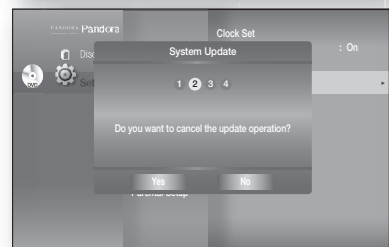
6. To perform the system upgrade, press the ◀ ▶ buttons to select **Start** and then press the **ENTER** button.



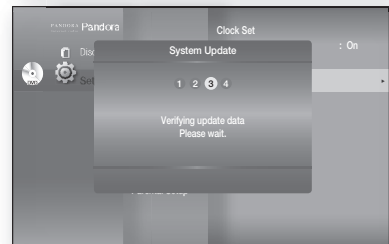
7. The system update gets started.



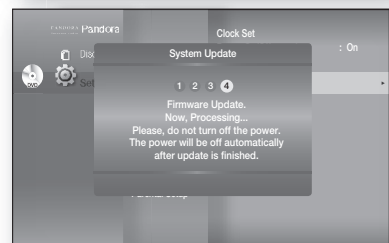
8. If you select Cancel during the download process, you are prompted to confirm your selection in a message box. If you want to cancel the download, select **Yes** and press the **ENTER** button.



9. Verification will proceed. When download is done, the firmware update process will begin automatically.



10. When the installation is done, the player will automatically turn off in 5 seconds. All settings will revert to the factory settings. The next time you start the system and you will see the menu language selection window.

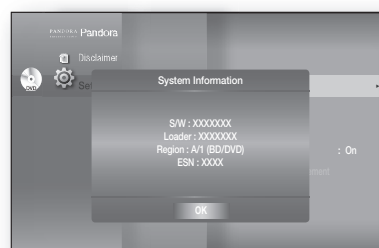
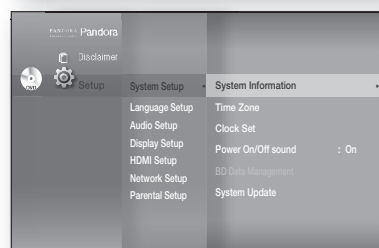
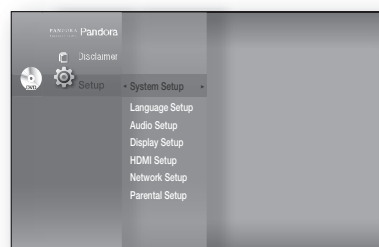


- If you want to cancel the upgrade in the process of downloading the upgrade data, press the **ENTER** button. You will see a confirmation message. Selecting **Yes** will end the upgrade process, and selecting **No** will continue the upgrade process.
- When the system upgrade is done, check the firmware details in the System Upgrade menu.
- Do not turn off the player during the System Upgrade, as it may cause the player to not work properly.
- You must use a USB Flash Drive to do software upgrades using the USB Host jack. Other USB devices(ex. MP3 player) are not guaranteed to work.
- There should be only one firmware upgrade file in USB flash drive for the player to properly perform an upgrade.
- Oversized USB drives may not be able to be inserted when a LAN or HDMI cable is connected.

SYSTEM INFORMATION

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

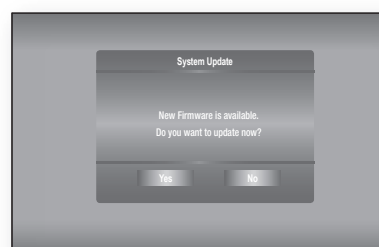
1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Setup**, then press the **ENTER** or **▶** button.
3. Press the **▲▼** buttons to select **System Setup**, then press the **ENTER** or **▶** button.
4. Press the **▲▼** buttons to select **System Information**, then press the **ENTER** or **▶** button.
You can see detailed information about the current firmware.
5. Press the **ENTER** button to select **OK**.
System Setup menu will be displayed.



FIRMWARE UPGRADE NOTIFICATION

This popup menu appears when a newer firmware version is available from SAMSUNG's update server than what is currently on the Blu-ray Home Theater.

- **Yes** : Select this to upgrade now.
- **No** : Select this if you plan to upgrade later.



Watching a movie

USING THE DISPLAY FUNCTION



1. During playback, press the **INFO** button on the remote control.
 - If the Blu-ray Disc has the PIP feature, press the **INFO** button in the PIP section to display PIP-related information.
2. Press the **▲▼** buttons to select the desired item.
3. Press the **◀▶** buttons to make the desired setup change 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.



<INFO menu for the PIP section>



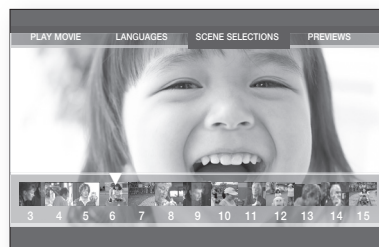
- If you are playing contents from the info menu, some functions may not be enabled depending on the disc.
- Title : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a Blu-ray Disc/DVD, each movie will be identified as a Title.
- Chapter: Most Blu-ray Disc/DVD discs are recorded in chapters so that you can quickly find a specific chapter.
- Audio : Refers to the film's soundtrack language. A Blu-ray 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 Blu-ray Disc can contain up to 255 subtitle languages, and a DVD up to 32.
- Angle : When a Blu-ray Disc/DVD contains multiple angles of a particular scene, you can use the ANGLE function.
- PIP Video/ PIP Audio : You can make PIP Video or PIP Audio settings if the current title of a Blu-ray Disc appears in the PIP section. The PIP Video / PIP Audio options, however, will be disabled with a Blu-ray Disc that does not support the PIP feature.

USING THE DISC MENU & POPUP/TITLE MENU

Using the Disc Menu



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



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

Using the Title Menu



1. During playback, press the **TITLE MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **ENTER** button.
 - The Title menu setup options may vary from disc to disc.



- Depending on the disc, the Title Menu may not be available.
- Title Menu will only be displayed if there are at least two titles on the disc.

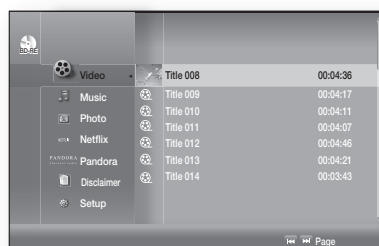
Playing the Title List



1. With the unit in Stop mode/Playback mode, press the **DISC MENU** or **TITLE MENU** button.
2. Press the **▲▼** buttons to select an entry you want to play from Title List, then press the **▶** or **ENTER** button.
The selected entry (title) will be played back.

- Go to Playlist -

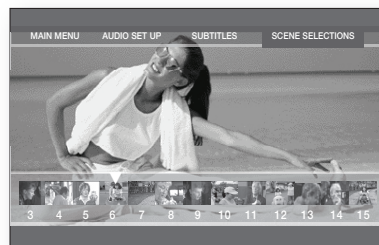
To go to the Playlist, press the **RED(A)** button.



Using the Popup Menu



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



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

Watching a movie

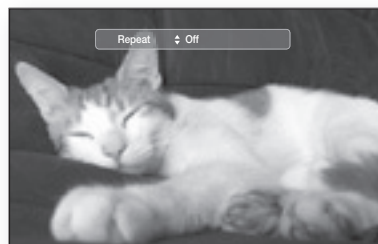
REPEAT PLAY

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 **▲▼** buttons to select **Chapter** or **Title**.
 - Blu-ray Disc/DVD repeats play by chapter or title.
3. To return to normal play, press the **REPEAT** button again, then press the **▲▼** buttons to select **Off**.

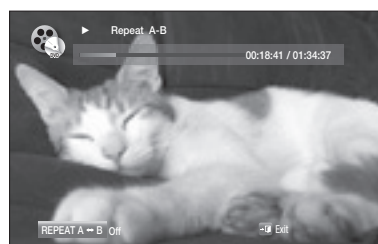


- Depending on the disc, the Repeat function may not be available.

Using the A-B Repeat function



1. Press the **REPEAT A-B** button on the remote control during playback.
2. Press the **REPEAT A-B** button at the point where you want repeat play to start (A).
3. Press the **REPEAT A-B** button at the point where you want repeat play to stop (B).
4. To return to normal play, press the **CANCEL** button.



- Point B cannot be set until 5 seconds of playback has elapsed from point A.

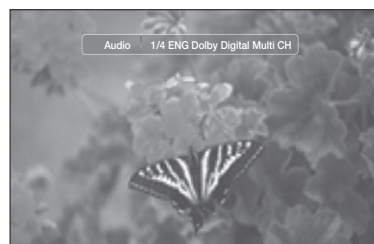
SELECTING THE AUDIO LANGUAGE



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** bar, press the **CANCEL** or **RETURN** button.



Using the INFO button

1. During playback, press the INFO button on the remote control.
2. Press the ▲▼ buttons to select Audio language.
3. Press the ◀▶ buttons on the remote control to select the desired audio language.



- This function depends on what audio languages are encoded on the disc and may not be available.
- A Blu-ray Disc can contain up to 32 audio languages and a DVD up to 8.
- Depending on the disc type, you can use the **AUDIO** button to change the audio soundtrack as well as the audio language.
Some Blu-ray Discs may allow you to select either the multi-channel LPCM or Dolby digital audio soundtrack in English.
- Information about the primary / secondary mode will be also displayed if the Blu-ray Disc has a PIP section.
Use the ◀▶ button to switch between primary and secondary audio modes.
- The ◀▶ indicator will not be displayed on the screen if the PIP section does not contain any PIP audio settings.

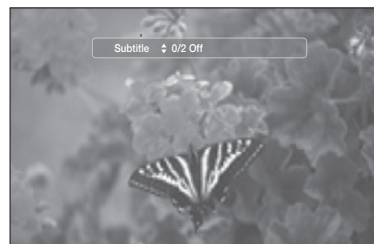
SELECTING THE SUBTITLE LANGUAGE

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

Using the SUBTITLE button



1. Press the **SUBTITLE** button. The subtitle changes when the button is pressed repeatedly. The subtitle languages are represented by abbreviations.
2. To remove the **Subtitle** bar, press the **CANCEL** or **RETURN** button.



Watching a movie

SELECTING THE SUBTITLE LANGUAGE

Using the INFO button

1. During playback, press the INFO button on the remote control.
2. Press the ▲▼ buttons to select Subtitle.
3. Press the ◀▶ buttons on the remote control to select the desired subtitle language.



- Depending on the Blu-ray Disc / DVD, you may be able to change the desired subtitle in the Disc Menu. Press the **DISC MENU** button.
- This function depends on what subtitles are encoded on the disc and may not be available on all Blu-ray Discs/DVDs.
- A Blu-ray Disc can contain up to 255 subtitle languages and a DVD up to 32.
- Information about the primary / secondary mode will be also displayed if the Blu-ray Disc has a PIP section.
- This function changes both the primary and secondary subtitles at the same time.
- The total number of subtitles is the sum of the primary and secondary ones.

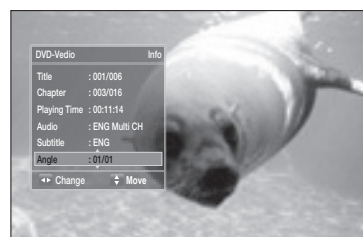
CHANGING THE CAMERA ANGLE

When a Blu-ray Disc/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Using the ANGLE function



1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select **Angle**.
3. Press the ◀▶ buttons or you can use the number buttons on the remote control to select the desired angle.



- 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.

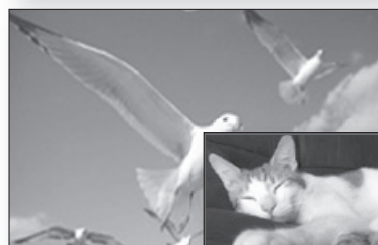
PIP (PICTURE IN PICTURE) SETTINGS

The PIP feature allows you to view additional content (such as commentaries) in a small screen window while the movie is playing.



Using the PIP button

1. If the current Blu-ray Disc features the PIP function, you can use the **PIP** button to turn **PIP On** or **Off**.
2. Each time you press the **PIP** button, you can toggle between **PIP On** and **PIP Off**.



- You can change detailed settings of the PIP feature in the INFO menu (see page 60: selection of secondary audio, video stream and subtitle etc.).
- If you switch from PIP Video, PIP Audio will change automatically in accordance with PIP Video.
- If the Blu-ray Disc supports only PIP Audio, you can just press the PIP button to turn the secondary audio on or off.

BD-LIVE™

The Blu-ray Home Theater supports BD-LIVE which enables you to enjoy a variety of interactive service contents provided by the disc manufacturer through network connection.

Using the BD-LIVE Disc

1. Connect the network (see pages 30~31) and check the network setup (see pages 51~55).
2. Insert a Blu-ray disc that supports BD-LIVE.
3. Select the contents provided by the disc manufacturer to enjoy the BD-LIVE.



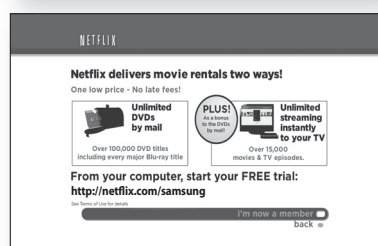
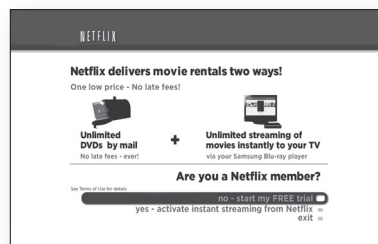
- The way you use BD-LIVE and the features may differ, depending on the disc.
- To use BD-LIVE, you must insert a minimum 1GB USB memory device into one of the USB slots.

Watching a movie

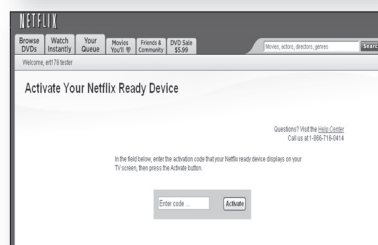
USING THE INSTANT STREAMING FEATURE PROVIDED BY NETFLIX

This Blu-ray Home Theater supports the Netflix streaming service which enables you to enjoy various movies via network connection. Before enjoying this feature, you must perform the LAN connection (see page 30).

1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Netflix**, then press the **ENTER** or **▶** button.
3. If you don't have an account, select "no-start my FREE trial" and subscribe to <http://netflix.com/samsung> from your computer. A user with existing account can select the "yes-activate instant streaming from Netflix".



4. If you have an existing account, you will see the next window if **Yes** was selected. Select "I'm now a member".

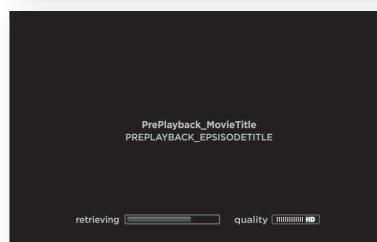


- You can also start Netflix streaming by pressing the **RED(A)** button on your remote control while the Samsung logo screen is displayed.
- Video quality of the Netflix contents (SD or HD) depends on the network speed and the original bit rate of the Netflix contents
- When you use the Netflix streaming service with this Blu-ray Home Theater, refer to the LAN connection. (See pages 30~31)
- In order to activate your Blu-ray Home Theater with Netflix with the code provided, you will need an active LAN connection to both a PC and your player. To connect the network with Blu-ray Home Theater, refer to the pages 30~31.

5. To add a movie to the Instant Queue list of this Blu-ray Home Theater, select the "Add to Instant" button on the Netflix "Watch Instantly" web page using your PC.
6. Movies you added to the Instant Queue from the web are listed.
Press the **ENTER** button of the remote control and select a movie to display the next screen.
 - To add the movie in Instant Queue list of this Blu-ray Home Theater, you can select "Add to Instant" button on "Watch Instantly" page of Netflix web site using your PC.



7. Press the **PLAY** button to start the playback, and the initial buffering of the streamed data is shown.



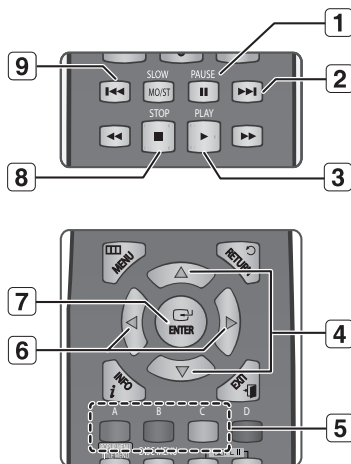
8. Press the **SCAN** button to select a scene of your choice.
 - To stop the movie or go to the instant movie list, press the upper arrow or Stop button.



- For more information on the Netflix Instant Streaming feature visit <http://www.netflix.com/help/tv> or login to your Netflix account and click "Help" at the top of the page.

Listening to music

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



1. PAUSE button : Pauses playback.
2. SKIP () button : During playback, moves to the next page in the Music List or moves to the next track in the Playlist.
3. PLAY button : Plays the currently selected track.
4. ▲▼ buttons : Selects a track(song) in the Music List or Playlist.
5. COLOR buttons
 - **RED(A)** button : Selects the Play Mode(Repeat) during playback.
 - **GREEN(B)** button : Go to Playlist from Music List.
 - **YELLOW(C)** button : Playlist play.
6. ◀ ▶ buttons
 - ◀ : Plays the applicable track, according to the current position.
 - ▶ : Moves to the menu.
7. ENTER button : Plays the selected track (song).
8. STOP button : Stops a track(song).
9. SKIP () button : If you pressed this button after three seconds of playback, the current track will be replayed from the beginning. But, if you pressed this button within three seconds after playback starts, the previous track will be played.
Used to move to the previous page in the Music List or Playlist.

REPEAT AUDIO CD(CD-DA) & MP3

During playback, press the **REPEAT** or **RED(A)** button repeatedly to select the repeat mode you want.

When playing an Audio CD(CD-DA) : → → →

When playing an MP3 disc : → → →

- **Normal (Audio CD(CD-DA)/MP3)**: Tracks on a disc are played in the order in which they were recorded on the disc.
- **Repeat Track (Audio CD(CD-DA)/MP3)**
- **Repeat Folder (MP3)**
- **Random (Audio CD(CD-DA)/MP3)**
 - When playing an Audio CD(CD-DA): The random option plays a disc's tracks in random order.
 - When playing an MP3 disc : The random option plays a folder's file in random order.
- **Repeat All (Audio CD(CD-DA))**: All tracks are repeated.

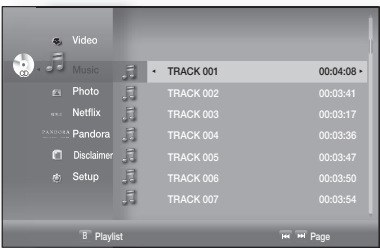
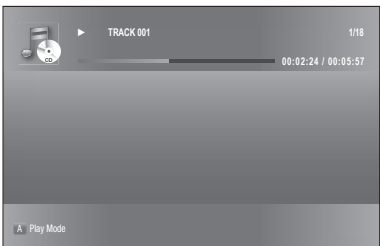
- To return to normal playback -

Press the **REPEAT** or **RED(A)** button repeatedly to return to normal playback.

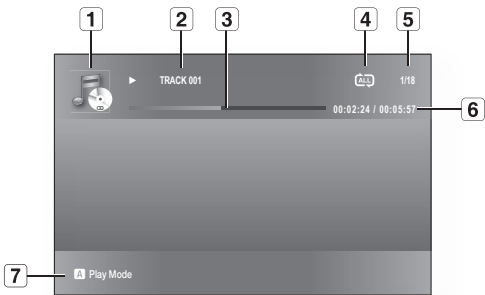
PLAYING AN AUDIO CD(CD-DA)/MP3



1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc tray.
 - For an Audio CD, the first track will be played automatically.
 - For an MP3 disc, press the ▲▼ buttons to select **Music**, then press the **ENTER** button.
(You can listen to mp3 files using a USB storage device)
2. To move to the Music List, press the **STOP** or **RETURN** button.
The Music List screen is displayed on your TV.
3. Press the ▲▼ buttons to select the track you want to play, then press the **ENTER** button.



❖ Audio CD(CD-DA)/MP3 Screen Elements



1	Displays the media type.
2	Current track (song) Displays the number of the track currently being played.
3	Play Status Bar.
4	Displays the repeat status.
5	Displays the current play index, total track number.
6	Current /Total Play Time.
7	Displays available COLOR buttons.

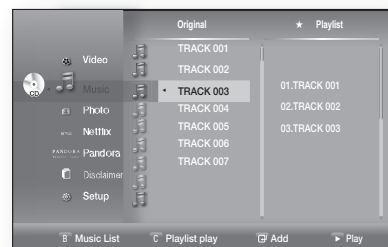
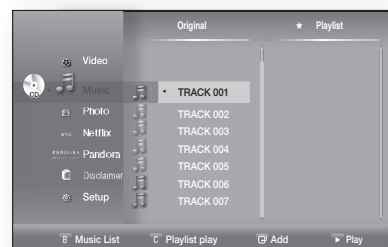
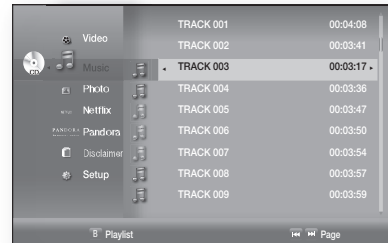
Listening to music

Playlist



You can create a playlist with up to 99 tracks.

1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc tray.
 - For an Audio CD, the first track will be played automatically.
 - For an MP3 disc, press the **▲▼** buttons to select **Music**, then press the **ENTER** button.
(You can listen to mp3 files using a USB storage device)
2. To move to the Music List, press the **GREEN(B)** or **RETURN** button.
The Music List screen is displayed.
3. Press the **GREEN(B)** button to go to the Playlist.
4. Press the **▲▼** buttons to select a track, then press the **ENTER** button to add it to the Playlist. Repeat this procedure to add additional tracks.
5. If there is an undesired track in the playlist, press the **▶▲▼** button to select that track, and then press the **ENTER** button.
 - The selected track will be deleted.
6. Press the **YELLOW(C)** button to play the selected tracks.
When the track is finished, the next track will automatically play.
7. To edit the Playlist, press the **STOP** or **RETURN** button.
8. To go to the Music List, press the **RETURN** button.



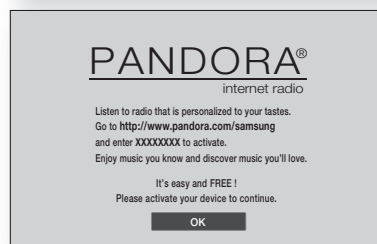
USING THE INTERNET RADIO FEATURE PROVIDED BY PANDORA

Pandora provides music personalized to your taste.

1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Pandora**, then press the **ENTER** or **▶** button.
Pandora's initial screen appears.



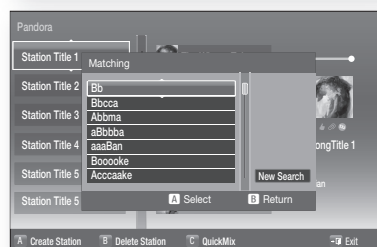
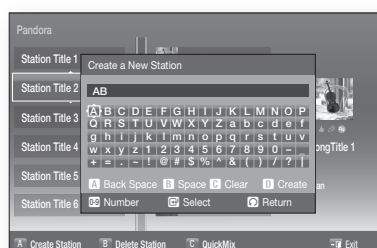
3. To run Pandora, you need to input the activation code at <http://www.pandora.com/samsung> page with your PC. After inputting the activation code, you may have to create a new account if you don't have one yet. If you already have an account, you can use the existing account.



4. It automatically shows the list of stations created from the web or player, and plays music.
5. Press the **RED(A)** button while the highlight is on the station list to display the create station window.



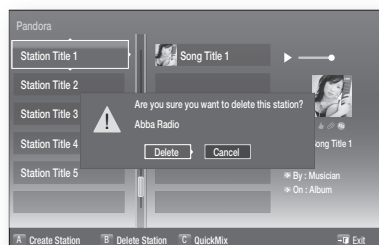
6. Enter the keyword and press the **BLUE(D)** button to display the search result.
(The station keyword entered should be a music genre, artist, music title, etc.)



Listening to music

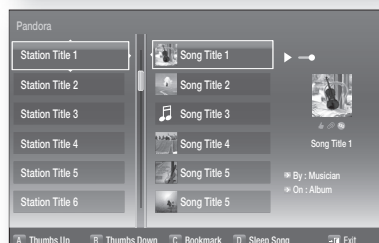
USING THE INTERNET RADIO FEATURE PROVIDED BY PANDORA

7. Press the **GREEN(B)** button while the highlight is on the station list to delete the selected station.



8. You can edit your song list by using color buttons of the remote control while the highlight is on the song list.

- **RED(A)** : Thumbs Up. By indicating your preference to the server, it plays more songs you love.
- **GREEN(B)** : Thumbs Down. By indicating your dislike to the server, it plays fewer songs you don't like.
- **YELLOW(C)** : Bookmark. It bookmarks the selected song.
 - The selected songs are bookmarked once with this Blu-ray Home Theater, you can find it from www.pandora.com using your account and various additional services provided by Pandora web service using your PC.
- **BLUE(D)** : Sleep Song. It excludes the selected song from the station for a month.

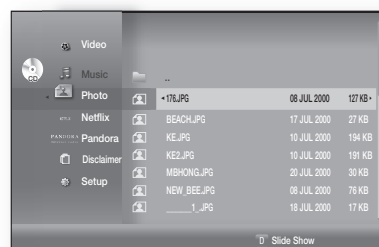


- The www.pandora.com server reflects the changes made on your player.
- In order to activate your Blu-ray Home Theater with Pandora music with the code provided, you will need an active LAN connection to both a PC and your player. To connect the network with Blu-ray Home Theater, refer to the pages 30~31.
- For further information on Pandora service or to unsubscribe the Pandora service, email "samsung-support@pandora.com".

Viewing a picture

VIEWING A PICTURE

1. Insert a JPEG disc into the Disc Slot .
 - The Menu screen is displayed.
2. Press the ▲▼ buttons to select **Photo**, then press the **ENTER** button.
 - The Photo List is displayed.
3. Press the ▲▼ buttons to select a picture.
 - To see the next page, press the SKIP (▶) button.
 - To see the previous page, press the SKIP (◀) button.



SLIDE SHOW/SPEED

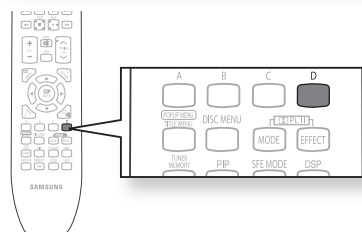
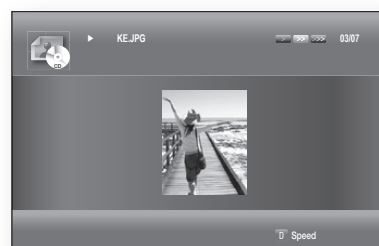
To setup, follow steps 1 and 2 above.

3. Press the **BLUE(D)** button.
 - The slide show starts.
4. When the SlideShow starts, press the **BLUE(D)** button to adjust the play speed.
 - Each time you press the button, the play speed will increase accordingly.



- To stop the Slide Show -

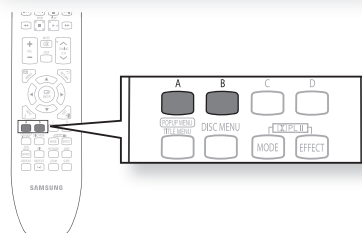
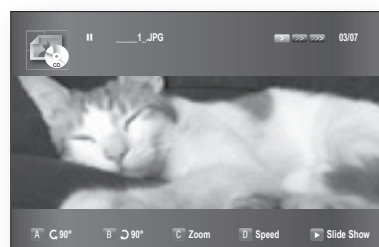
Press the **STOP** or **RETURN** button.



ROTATE

To setup, follow steps 1 and 3 above.

4. Press the **ENTER** button.
5. Use the **RED(A)** and **GREEN(B)** buttons to rotate the image in a desired direction.



Viewing a picture

ZOOM

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 73.

4. Press the **ENTER** button.

5. Press the **YELLOW(C)** button.

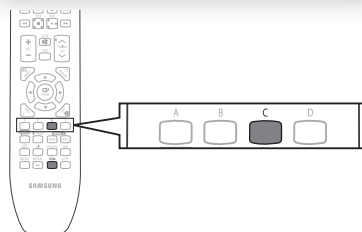
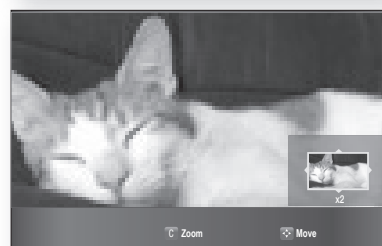
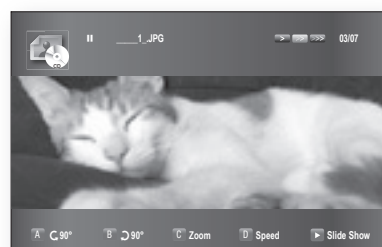
6. Use the **YELLOW(C)** or **ENTER** button to zoom the image in/out.

- To move the area -

Press the **▲▼◀▶** buttons to the area you want to enlarge.

- To stop the Zoom -

Press the **YELLOW(C)** button.

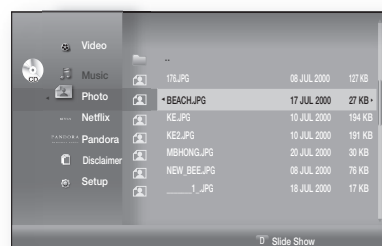
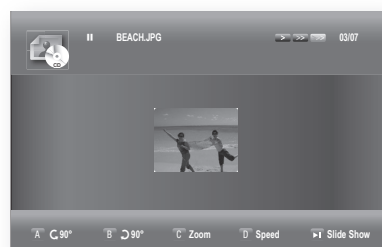


GO TO PHOTO LIST

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 73.

4. Press the **ENTER** button.

5. To go Photo List, press the **RETURN** or **STOP** button.



Sound mode

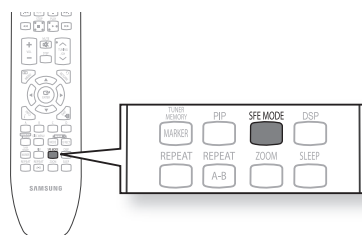
SFE(SOUND FIELD EFFECT) MODE

You can set the SFE best suited for the type of music you are listening to.

Press the **SFE MODE** button.

- SFE MODE appears on the display panel.
- Each time the button is pressed, the selection changes as follows

HALL1 → HALL2 → JAZZ → CHURCH → ROCK → SFE OFF.



- HALL : Provides a clear vocal as if listening in a concert hall.
- JAZZ : Recommended setting for Jazz.
- ROCK : Recommended setting for Rock.
- CHURCH : Gives the feel of being in a grand church.
- SFE OFF : Select this for normal listening.

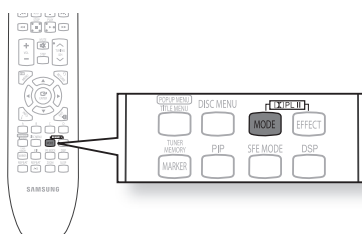
DOLBY PRO LOGIC II MODE

You can select the desired Dolby Pro Logic II audio mode.

Press the **PL II MODE** button.

- Each time the button is pressed, the mode changes as follows.

MUSIC → MOVIE → PRO LOGIC → MATRIX → STEREO.



- MUSIC : When listening to music, you can experience sound effects as if you are listening to the actual performance.
- MOVIE : Adds realism to the movie soundtrack.
- PRO LOGIC : You will experience a realistic multi-channel effect, as if using six speakers, while using just the front left and right speakers.
- MATRIX : You will hear multi channel surround sound.
- STEREO : Select this to listen to sound from the front left and right speakers and the subwoofer only.





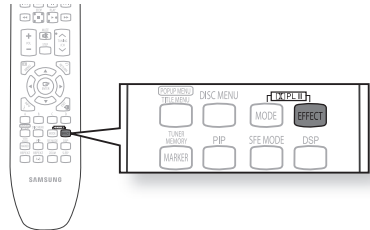
- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.
- This mode is available only with 2 channel audio.

Sound mode

DOLBY PRO LOGIC II EFFECT

This function works only in Dolby Pro Logic MUSIC mode.

1. Press the  **PL II MODE** button to select **MUSIC** mode.
2. Press the  **PL II EFFECT** button.
 - Each time the button is pressed, the mode changes as follows.
3. Press the ◀ ▶ buttons to select the desired effect setting.
 - **PANORAMA** : This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging. You can select either 0 or 1.
 - **C- WIDTH** : Sound is output to the center speaker only. The front left and right speakers produce phantom sound. You can select between 0 and 7.
 - **DIMENS** : Incrementally adjusts the sound field (DSP) from the front or rear. You can select between 0 and 6.

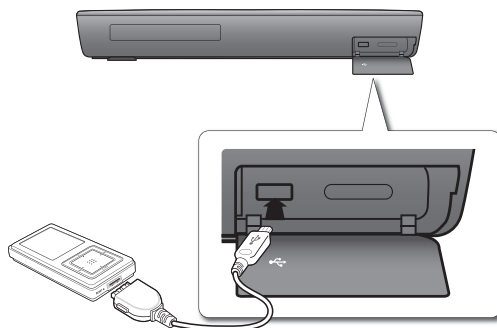


Using the USB function

PLAYING MEDIA FILES USING THE USB HOST FEATURE

You can enjoy media files such as pictures and music saved on an MP3 player, USB memory stick or digital camera.

1. Connect the USB device to the USB port on the side of the unit.
2. **USB Connected** appears on the display screen and then disappears.
3. USB icon is displayed on the Setup Menu.



Safe USB Removal

To prevent damage to the data stored in the USB device, perform safe removal before disconnecting the USB cable.

- Press the **YELLOW(C)** button. The display will show **Now**. You can remove USB safely.
- Remove the USB cable.

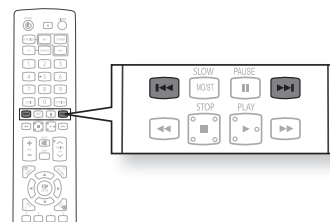


- To listen to your music files with 5.1 channel home theater sound, you must set the Dolby Pro Logic II mode to Matrix. (See page 75)

Skip Forward/Back

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

- When there is more than one file and you press the **⏭** button, the next file is selected.
- When there is more than one file and you press the **⏮** button, the previous file is selected.



Using the USB function

USB Host Specification

USB Host Specification	<ul style="list-style-type: none">• Supports USB 1.1 or USB 2.0 compliant devices.• Supports devices connected using the USB A type cable.• Supports UMS (USB Mass Storage Device) V1.0 compliant devices.• Supports the device of which the connected drive is formatted in the FAT(FAT, FAT16, FAT32) file system.
Non-compliance	<ul style="list-style-type: none">• Does not support a device that requires installing a separate driver on the PC (Windows).• Does not support connection to a USB hub.• A USB device that is connected using the USB extension cable may not be recognized.• A USB device requiring a separate power source needs to be connected to the player with the separate power connection.
Operational Limitations	<ul style="list-style-type: none">• If the connected device has multiple drives (or partitions) installed, only one drive (or partition) can be connected.• A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

USB Devices that can be used with the Home Theater

1. USB Storage Device
2. MP3 Player
3. Digital Camera
4. Removable HDD
 - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
 - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader.
 - Depending on the manufacturer, the USB card reader may not be supported.
 - If you install multiple memory devices into a multi card reader, you may experience problems.

Supported file Formats

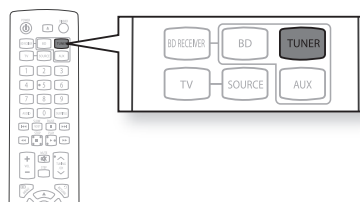
Format	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	—	—	640x480	—
Music	MP3	.MP3	80~384kbps	—	—	44.1kHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.

Radio

LISTENING TO RADIO

1. Press the **TUNER** button to select the FM band.
2. Tune in to the desired station.
 - Automatic Tuning 1 : When the **SKIP** (⏮ ⏭) button is pressed, a preset broadcast station is selected.
 - Automatic Tuning 2 : Press and hold the **TUNING/CH** (↶ ↷) button to automatically search for active broadcasting stations.
 - Manual Tuning : Briefly press the **TUNING/CH** (↶ ↷) button to increase or decrease the frequency incrementally.



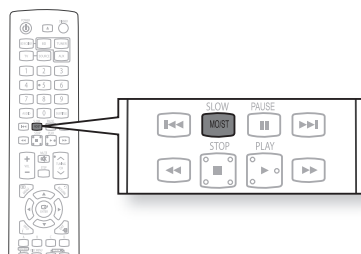
Main Unit

1. Press the **FUNCTION** button to select the FM band.
2. Select a broadcast station.
 - Automatic Tuning 1 : Press the **STOP** (■) button to select **PRESET** and then press the **SKIP** (⏮ ⏭) button to select the preset station.
 - Automatic Tuning 2 : Press the **STOP** (■) button to select **MANUAL** and then press and hold the **SKIP** (⏮ ⏭) button to automatically search the band.
 - Manual Tuning : Press the **STOP** (■) button to select **MANUAL** and then briefly press the **SKIP** (⏮ ⏭) button to tune in to a lower or higher frequency.

Mono/Stereo

Press the **MO/ST** button to listen in Mono/Stereo.

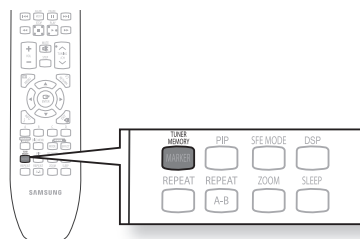
- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.



PRESETTING STATIONS

Example : Presetting FM 89.10 in the memory

1. Press the **TUNER** button to select the FM band.
2. Press the **TUNING/CH** (↶ ↷) button to select <89.10>.
3. Press the **TUNER MEMORY** button.
 - **PRGM** flashes in the display.
4. Press the **SKIP** (⏮ ⏭) button to select preset number.
 - You can select between 1 and 15 presets.
5. Press the **TUNER MEMORY** button again.
 - Press the **TUNER MEMORY** button before **PRGM** disappears from the display.
 - **PRGM** disappears from the display and the station is stored in memory.
6. To preset another station, repeat steps 2 to 5.
 - To tune in to a preset station, press the **SKIP** (⏮ ⏭) button on the remote control to select a channel.



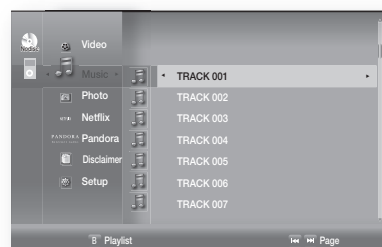
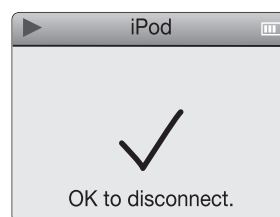
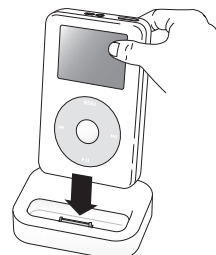
Using an iPod

You can enjoy playback of your iPod using the supplied remote control.

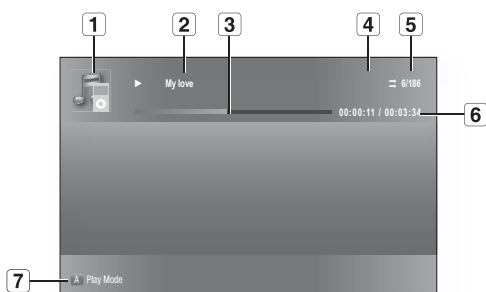
LISTENING TO MUSIC

You can play music files stored in the iPod player by connecting it to the Blu-ray Home Theater.

1. Connect the iPod dock connector to the iPod jack on the Blu-ray Home Theater.
2. Place the iPod in the Dock.
 - Your iPod is automatically turned on.
 - "iPod Connected" message appears on the TV screen.
3. Press the **MENU** button on the remote control.
4. Press the ◀, ▶ buttons on the remote control to select iPod mode.
5. Press the ▶, ▲, ▼ buttons on the remote control to select **Music** and press the **ENTER** button.
 - The **Music** categories appear.
6. Press the ▲, ▼ buttons desired category and press the **ENTER** button.
 - The music list appears on your TV.
7. Press the ▲, ▼ buttons to select the music file to play and press the **ENTER** button.
 - The music will start with a new screen which shows the song title, time, artist, and progress bar.
8. You can use the remote control or main unit to control simple playback functions such as **PLAY**, **PAUSE**, **STOP**, ◀▶, ⏮⏭ and **REPEAT**.
 - Press the RED(A) button to select a desired play mode.



❖ iPod Playback Screen Elements



1	Displays the media type.
2	Current track (song) Displays the number of the track currently being played.
3	Play Status Bar.
4	Displays the repeat status.
5	Displays the current play index, total track number.
6	Current /Total Play Time.
7	Displays available COLOR buttons.

To move to the Music List and select a track:

1. Press the **MENU** or **STOP** button.
 - It stops playing and returns to the music list.
2. Press the **▲**, **▼** buttons to select the file you want to play and press the **ENTER** button.
 - Press the **RETURN** or **◀** button to return to the parent menu.

iPod Music categories

File information including the artist name, album name, music title and genre will be displayed according to the ID3 Tag information on the appropriate music file.

Now Playing : Plays a recently played file or moves to the playback screen of the current file.

Artists : To play by artist.

Songs : To play in numeric or alphabetical order

Playlists : To play by Playlist.

Albums : To play by album.

Genres : To play by genre.

Composer : To play by composer.



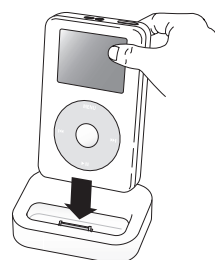
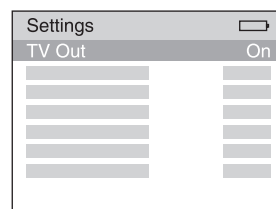
- See page 27 for compatible iPods.
Compatibility depends on the software version of your iPod.
- The category list may differ, depending on the iPod model.
- **What is an ID3 Tag?**
This is what is attached to an MP3 to carry information relevant to the file such as the title, artist, album, year, genre and a comment field.

Using an iPod

WATCHING A MOVIE

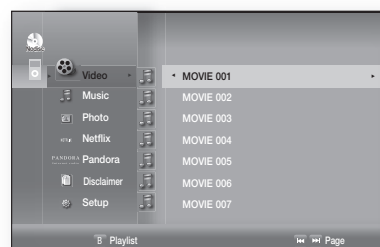
You can play video files stored in the iPod player by connecting it to the Blu-ray Home Theater.

1. Connect the iPod dock connector to the iPod jack on the Blu-ray Home Theater.
2. In the iPod screen, move to **Videos > Settings** and set the **TV Out** option to **On**.
3. Place the iPod in the Dock.
 - "iPod Connected" message appears on the TV screen.
4. Press the ◀, ▼ buttons on the remote control to select iPod mode.
5. Press the ▶, ▲, ▼ buttons on the remote control to select **Video** and press the **ENTER** button.
6. Press the ▲, ▼ buttons on the remote control to select **Movies** and press the **ENTER** button.
 - The video list appears on your TV.
7. Press the ▲, ▼ buttons to select the video file to play and press the **ENTER** button.
 - Video file of the iPod player will be played on the TV screen.
8. You can use the remote control or main unit to control simple playback functions such as **PLAY**, **PAUSE**, **STOP**, ◀◀ / ▶▶ and ◀◀ / ▶▶ .
 - If you press the **PREV** button within 2 seconds after the playback, the player will play previous file.
 - If you press the **PREV** button 2 seconds or later after the playback, the player will move to the start screen of the current file.
 - Press the **NEXT** button to play next file.



To move to the Video List and select a file:

1. Press the **MENU** or **STOP** button.
 - It stops playing and returns to the video list.
2. Press the ▲, ▼ buttons to select the file you want to play and press the **ENTER** button.
 - Press the **RETURN** or ◀ button to return to the parent menu.



- See page 26 for compatible iPods.
Compatibility depends on the software version of your iPod.
- You must have the VIDEO output connected to your TV to view iPod video (See page 25).
- If you want to iPod video via VIDEO output, change HDMI CEC off first in case of HDMI CEC is on.
- When the current file is played to the end, the next file will be played automatically.
To play the next file, select a file to play in the list screen of the iPod player.
- No other screen than the playback one will appear on the TV screen. Check other screens on the iPod player.
- If connected iPod does not support video playback, "Cannot play video files saved on this iPod" message appears when you select the Video menu.

pc streaming function

CONNECTING TO A PC AND PLAYING MP3 OR JPEG CONTENT

The shared folder setup method may be different, depending on the PC operating system.

You can connect the Blu-ray Home Theater to a PC and play mp3 or jpeg file content in a shared folder.
(Refer to pages 30~31 for the connection)

1. Use a router and LAN cable or wireless LAN adapter to connect between the PC and Blu-ray Home Theater.
2. Create a shared folder in the PC and store desired mp3 or jpeg files there.
- For more detailed information about setting a shared folder, visit the Samsung website and download the "Setting the shared folder" manual from the Download center.

3. Press the **MENU** button.

4. Press the **RED(A)** button.

You will see a window where you can select a network search type.

5. Use the ◀ ▶ button to select a network search type.

A list of shared servers will appear.

- **Auto** : Automatically searches for an available PC.
- **Manual** : You must enter the IP address, folder name, windows user name and password before you can find a desired PC.

6. To search a shared folder

There are 2 methods to access shared folders on a PC.

(If you search a folder in Auto mode. it must contain less than 12 characters. You must select manual to search for folders with 12 or more characters.)

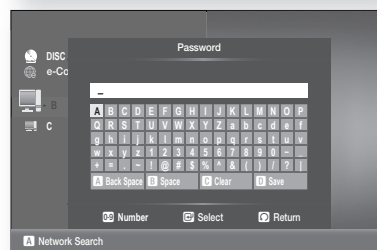
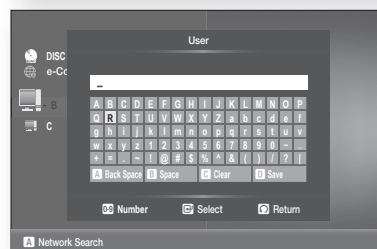
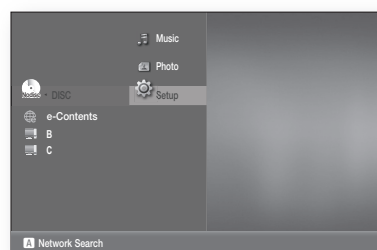
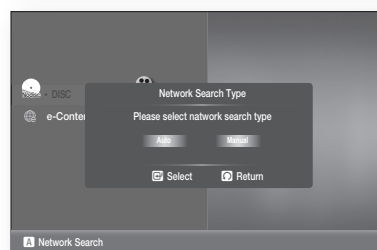
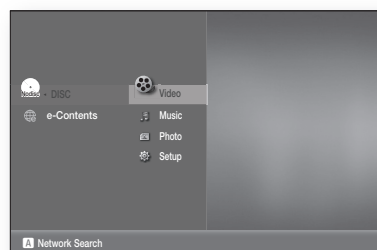
• Auto Mode

1. Press the ▲ ▼ button to select a desired PC and press the **ENTER** button.

(When first connected, you must enter the window user name and password to display the shared folder.)

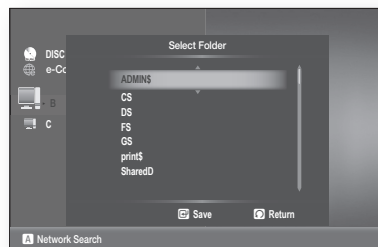
2. Enter the PC's user name in the window.

3. Enter the PC's password in the window.
The shared folder will be displayed.



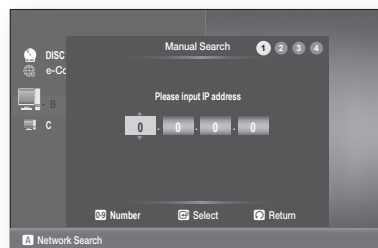
pc streaming function

4. Press the ▲▼ button to select a desired folder.

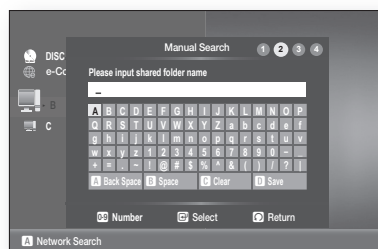


• Manual Mode

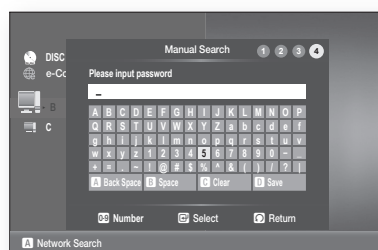
1. Enter in the IP address of the PC that has the shared folders.



2. Type in the name of the shared folder in the window then press the **BLUE (D)** button to Save.



3. Type in the PC's password then press the **BLUE (D)** button to Save.



7. Press the ► button, then press the ▲▼ button to select Video, Music or Photo.
(For playing a Video, Music or Photo, refer to pages 68~70)



- The PC name should be in English, excluding characters such as symbols.
- You can search up to 4 PCs connected to the network to play content over.
- You may experience connection problems depending on your PC environment.
- If you encounter a problem with "Auto Mode", please try to "Manual Mode".
- If a conflict occurs between Windows XP simple file sharing and the PC streaming function of the Blu-ray Home Theater, please disable the simple file sharing.
- For more detailed information, visit the Samsung website and download the "Setting the shared folder" manual from the Download center.
- If you experience PC streaming function problems when using a shared folder on the desktop of windows vista, visit the operating system's technical support site to change a setting or change the directory.

Convenient function

SLEEP TIMER FUNCTION

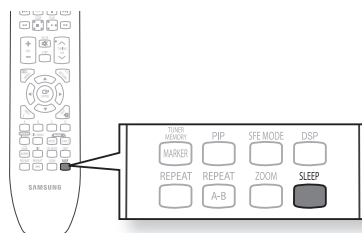
You can set the time that the Blu-ray Home Theater will shut itself off.

Press the **SLEEP** button.

- Each time the button is pressed, the preset time changes as follows :
10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

To confirm the sleep timer setting, press the **SLEEP** button.

- The remaining time before the Blu-ray Home Theater will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.



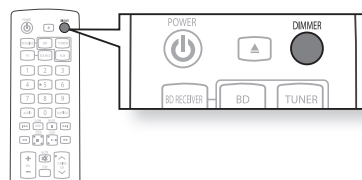
To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

ADJUSTING DISPLAY BRIGHTNESS

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press the **DIMMER** button.

- Each time the button is pressed, the brightness of front display will be adjusted.

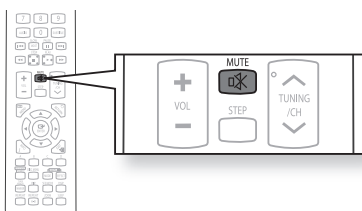


MUTE FUNCTION

This is useful when answering a doorbell or telephone call.

Press the **MUTE** button.

- MUTE** appears in the display.
- To restore the sound, press the **MUTE** button again.



Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact Samsung Electronics at 1-800-SAMSUNG.

SYMPTOM	Check/Remedy
I cannot eject the disc.	<ul style="list-style-type: none"> Is the power cord plugged securely into the outlet? Turn off the power and then turn it back on.
The iPod fails to connect.	<ul style="list-style-type: none"> Check the condition of the iPod connector and Dock. Keep the iPod S/W version up to date.
Playback does not start.	<ul style="list-style-type: none"> Check the region number of the BD/DVD. BD/DVD discs purchased from abroad may not be playable. CD-ROMs and DVD-ROMs cannot be played on this Blu-ray Home Theater. Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	<ul style="list-style-type: none"> Are you using a deformed disc or a disc with scratches on the surface? Wipe the disc clean.
Sound is not produced.	<ul style="list-style-type: none"> No sound is heard during fast playback, slow playback, and step motion playback. Are the speakers connected properly? Is the speaker setup correctly customized? Is the disc severely damaged?
Sound can be heard only from a few speakers and not all 6.	<ul style="list-style-type: none"> On certain BD/DVD discs, sound is output from the front speakers only. Check if the speakers are connected properly. Adjust the volume. When listening to a CD or radio, sound is output to the front speakers only.
Dolby Digital 5.1 CH Surround Sound is not produced.	<ul style="list-style-type: none"> Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
The remote control does not work.	<ul style="list-style-type: none"> Is the remote control being operated within its operation range of angle and distance? Are the batteries drained? Have you selected the mode(TV/BD) functions of the remote control (TV or BD) correctly?
<ul style="list-style-type: none"> Disc is rotating but no picture is produced. Picture quality is poor and picture is shaking. 	<ul style="list-style-type: none"> Is the TV power on? Are the video cables connected properly? Is the disc dirty or damaged? A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	<ul style="list-style-type: none"> Audio language and subtitles will not work if the disc does not contain them.
Menu screen does not appear even when the menu function is selected.	<ul style="list-style-type: none"> Are you using a disc that does not contain menus?

SYMPTOM	Check/Remedy
Aspect ratio cannot be changed.	<ul style="list-style-type: none"> You can play 16:9 BD/DVDs in 16:9 Wide mode, 4:3 Letter Box mode, or 4:3 Pan - Scan mode, but 4:3 BD/DVDs can be seen in 4:3 ratio only. Refer to the Blu-ray Disc jacket and then select the appropriate function.
<ul style="list-style-type: none"> The main unit is not working. (Example: The power goes out or a strange noise is heard.) The Blu-ray Home Theater is not working normally. 	<ul style="list-style-type: none"> Turn off the power and hold the STOP (■) button on the main unit for longer than 5 seconds. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>
The password for rating level has been forgotten.	<ul style="list-style-type: none"> While (NO DISC) message appears on the display of main unit, hold the main unit's STOP (■) button for longer than 5 seconds. INITIAL appears on the display and all settings will return to the default values. Press the POWER button. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>
Can't receive radio broadcasts.	<ul style="list-style-type: none"> Is the antenna connected properly? If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
While listening to TV audio through the Blu-ray Home Theater, no sound is heard.	<ul style="list-style-type: none"> If the EJECT button is pressed while listening to TV audio using the D.IN or AUX functions, the BD/DVD functions are turned on and this mutes the TV audio.
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"> The BD/DVD's software restricts it. The BD/DVD's software doesn't support the feature (e.g., angles) The feature is not available at the moment. You've requested a title or chapter number or search time that is out of range.
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 STOP (■) button (in front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.
No HDMI output.	<ul style="list-style-type: none"> Check the connection between the TV and the HDMI jack of the Blu-ray Home Theater. 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).
Cannot search for other access points using USB wireless	<ul style="list-style-type: none"> Check the Proxy is Off(Setup -> Network Setup -> Proxy)

Appendix

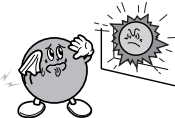
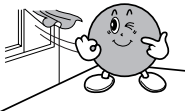

CAUTIONS ON HANDLING AND STORING DISCS

Small scratches on the disc may reduce sound and picture quality or cause skipping.
Be especially careful not to scratch discs when handling them.

Handling discs

Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

Do not keep in direct sunlight	Keep in a cool ventilated area	Keep in a clean Protection jacket. Store vertically.
		

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

SPECIFICATIONS

General	Power Requirements	AC 120V, 60Hz		
	Power Consumption	85 W		
	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 %		
FM Tuner	Signal / noise ratio	60 dB		
	Usable sensitivity	10 dB		
	Total harmonic distortion	1 %		
Disc	BD (Blu-ray Disc)	Reading Speed : 4.917m/sec		
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec.		
		Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.		
	CD : 5 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.		
	CD : 3 1/2 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.		
	Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)	
Component Video		Blu-ray Disc : 480i DVD : 480i		
		Y : 1.0 Vp-p (75 Ω load)		
		Pr : 0.70 Vp-p (75 Ω load)		
		Pb : 0.70 Vp-p (75 Ω load)		
	Blu-ray Disc : 1080i, 720p, 480p, 480i DVD : 480p, 480i			
	Video/Audio	HDMI	1080p, 1080i, 720p, 480p PCM multichannel audio, Bitstream audio, PCM audio	
Amplifier		Front speaker output	165W x 2(3Ω)	
	Center speaker output	170W(3Ω)		
	Surround speaker output	165W x 2(3Ω)		
	Subwoofer speaker output	170W(3Ω)		
	Frequency response	Analog input	20Hz~20kHz (±3dB)	
		Digital input	20Hz~44kHz (±3dB)	
	S/N Ratio	70dB		
	Channel separation	60dB		
Input sensitivity	(AUX)500mV			
Speaker	Speaker system	5.1ch speaker system		
		Front/ Surround	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20kHz	140Hz~20kHz	40Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	90dB/W/M
	Rated input	170W	180W	170W
	Maximum input	340W	360W	340W
	Dimensions (W x H x D)	Front : 10.2 x 44.0 x 10.2 inches(stand base : 10.2 x 10.2) Surround : 3.9 x 5.9 x 3.5 inches Center : 11.8 x 2.3 x 1.9 inches Subwoofer : 7.9 x 15.9 x 16.1 inches		
	Weights	Front : 4.6 lbs, Surround : 0.8 lbs Center : 0.8 lbs, Subwoofer : 11.9 lbs		

*: Nominal specification

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