

BD-C6900

Blu-ray Disc Player

user manual

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SAMSUNG

Key features

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 supports three highly advanced video codecs, including AVC, VC-1 and MPEG-2.

HD video resolutions are also available:

- 1920 x 1080 High Definition
- 1280 x 720 High Definition

For High-Definition Playback

To view high-definition contents on a Blu-ray Disc, an HDTV (High Definition Television) is required.

Some Blu-ray Discs may require you to use the product's HDMI OUT to view high-definition content. The ability to view high-definition content on Blu-ray Discs may be limited depending on the resolution of your TV.

Interactivity

Certain Blu-ray Discs may contain Animated menus and Trivia games.

User Browsable Slideshows

With Blu-ray Discs, you can browse through still pictures while audio plays in the background.

Subtitles

Depending on what is contained on the Blu-ray Disc, you may be able to select different font styles, sizes and colours 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 to download contents provided by the disc manufacturer through a network connection.

Blu-ray Disc Player Features

Internet@TV

You can download various for-a-fee or free-of-charge applications through a network connection. With these, you can access Internet services and content such as news, weather forecasts, stock market quotes, games, movies and music.

3D

This product can play 3D contents through an HDMI cable.

To implement the 3D effect, connect a 3D device (3D-compliant AV receiver, 3D-compliant TV) to the product using an HDMI cable, and play the 3D content while wearing 3D vision glasses.

Safety Information

Warning

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

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	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.	This symbol indicates important instructions accompanying the product.

Do not install this equipment in a confined space such as a bookcase or similar unit.

WARNING

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

CAUTION

Blu-ray Disc Player USES AN INVISIBLE LASER BEAM WHICH CAN CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE Blu-ray Disc Player CORRECTLY AS INSTRUCTED.

CAUTION

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 COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

This product satisfies CE 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.

IMPORTANT NOTE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug. If it requires replacing, a fuse approved to BS1362 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer.

If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.

However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains jack, as there is a risk of shock hazard from the bared flexible cord.

To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

The product unit accompanying this user manual is licensed under certain intellectual property rights of certain third parties. This licence is limited to private non-commercial use by end-user consumers for licensed contents.

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The licence does not cover any product unit other than this product unit and the licence does not extend to any unlicensed product unit or process conforming to ISO/IEC 11172-3 or ISO/IEC 13818-3 used or sold in combination with this product unit. The licence only covers the use of this product unit to encode and/or decode audio files conforming to the ISO/IEC 11172-3 or ISO/IEC 13818-3. No rights are granted under this licence for product features or functions that do not conform to the ISO/IEC 11172-3 or ISO/IEC 13818-3.

Safety Information

Precautions

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 attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



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

Disc Storage & Management

Disc Handling

Disc Shape

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



Holding discs

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



Blu-ray Discs

- If the product is not used for a long period of time, remove the Blu-ray Disc from the product and store it in its case.
- Be careful not to leave fingerprints or scratches on the surface of the Blu-ray Disc.

DVD-VIDEO, Audio CD (CD-DA)

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

Disc Storage

Be careful not to damage the disc because the data on these discs is highly vulnerable to the environment.

- Do not keep under direct sunlight.
- Keep in a cool ventilated area.
- Store vertically.
- Keep in a clean protection jacket.
- If you move your product suddenly from a cold place to a warm place, condensation may occur on the operating parts and lens and cause abnormal disc playback. If this occurs, wait for two hours before connecting the plug to the power outlet.
Then insert the disc and try to play back again.

Handling Cautions

- Do not write on the printed side with a ball-point pen or pencil.
- Do not use record cleaning or antistatic sprays. Also, do not use volatile chemicals, such as benzene or thinner.
- Do not apply labels or stickers to discs. (Do not use discs fixed with exposed tape adhesive or leftover peeled-off stickers.)
- Do not use scratch-proof protectors or covers.
- Do not use discs printed with label printers available on the market.
- Do not load warped or cracked discs.
- Before connecting other components to this product, be sure to turn them all off.
- Do not move the product while a disc is being played as the disc may be scratched or broken, or the product's internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the product.
- Be careful not to put your hand into the disc tray.
- Do not place anything other than the disc in the disc tray.
- Exterior interferences such as lightning and static electricity can affect the normal operation of this product. If this occurs, turn the product off and on again with the 电源 button, or disconnect and then reconnect the AC power cord to the AC power outlet. The product will operate normally.

- Be sure to remove the disc and turn off the product after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the product for long periods of time.
- To clean a disc, wipe it in a straight line from the inside to the outside of the disc.
- Do not expose the product to any liquid.
- When the AC plug is connected to a wall outlet, the product will still draw power (standby mode) when it is turned off.
- Apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- The main plug is used as a disconnect device and shall stay readily operable at any time.



Maintenance of Cabinet

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

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

Restrictions on Playback

- This product may not respond to all operating commands because some Blu-ray, DVD and CD discs allow specific or limited operation and features during playback.
Please note that this is not a defect in the product.
- Samsung cannot assure that this product will play every disc bearing the Blu-ray Disc, DVD or CD logo because disc formats evolve, and problems and errors may occur during the creation of Blu-ray Disc, DVD, CD software and/or the manufacture of discs.
Please contact the SAMSUNG customer care centre if you have questions or encounter difficulty in playing Blu-ray, DVD, or CD discs in this product. Also, refer to rest of this user manual for additional information on playback restrictions.

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Before Using the user manual

Disc Types and Contents that can be played.

Term	Logo	Icon	Definition
BD-ROM			This involves a function available on a BD-ROM.
BD-RE/-R			This involves a function available on a BD-RE/-R disc recorded in the BD-RE format.
DVD-VIDEO			This involves a function available on a DVD-VIDEO.
DVD-RW(V)			This involves a function available on recorded DVD+RW or DVD-RW(V)/DVD-R/+R discs that have been recorded and finalized.
DVD-R			
DVD+RW			
DVD+R			
Audio CD			This involves a function available on an audio CD-RW/-R (CD-DA format).
MP3 WMA	-		This involves a function available in a CD-RW/-R, DVD-RW/-R disc or a USB storage media containing MP3 or WMA contents.
JPEG	-		This involves a function available in a CD-RW/-R, DVD-RW/-R disc or a USB storage media containing JPEG contents.
DivX MKV MP4	-		This involves a function available in a CD-RW/-R, DVD-RW/-R disc or a USB storage media containing DivX, MKV, MP4 contents.

NOTE

- The product may not play certain CD-RW/-R and DVD-R due to the disc type or recording conditions.
- If a DVD-RW/-R disc has not been recorded properly in DVD video format, it will not be playable.

Disc types that cannot be played

- HD DVD
- DVD-ROM/PD/MV-Disc, etc
- DVD-RAM
- Super Audio CD (except CD layer)
- DVD-RW(VR mode)
- CVD/CD-ROM/CDV/CD-G/CD-I/LD (CD-Gs play audio only, not graphics.)
- 3.9 GB DVD-R Disc for Authoring.

 **NOTE**

- Some commercial discs and DVD discs purchased outside your region may not be playable with this product. When these discs are played, either "This disc can not be played." or "Cannot read this disc. Please check the regional code of the disc." will be displayed.
- 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 disc 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.
- When a BD-J title is played, loading may take longer than a normal title, or some functions may perform slowly.
- This product may not respond to all operating commands because some Blu-ray, DVD and CD discs allow specific or limited operation and features during playback. Please note that this is not a defect in the product.
- Samsung cannot assure that this product will play every disc bearing the Blu-ray Disc, DVD or CD logo because disc formats evolve, and problems and errors may occur during the creation of Blu-ray Disc, DVD, CD software and/or the manufacture of discs. Please contact the SAMSUNG customer care centre if you have questions or encounter difficulty when playing Blu-ray, DVD, or CD discs in this product. Also, refer to rest of this user manual for additional information on playback restrictions.

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 user manual.

Disc Types

BD-ROM

This Blu-ray disc can only be played back. This product can play back pre-recorded commercial BD-ROM discs.

BD-RE/-R

This Blu-ray disc can be recorded and played back.

This product can play back a BD-RE/-R disc recorded by other compatible Blu-ray disc recorders.

DVD-VIDEO

- This product can play back pre-recorded commercial DVD discs (DVD-VIDEO discs) with movies.
- 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 product.

DVD-RW

This product can play back a DVD-RW disc recorded and finalized with a DVD video recorder. Ability to play back may depend on recording conditions.

DVD-R

This product can play back a DVD-R disc recorded and finalized with a DVD Video recorder. Ability to play back may depend on recording conditions.

DVD+RW

- This product can play back a DVD+RW disc recorded with a DVD Video recorder. Ability to play back may depend on recording conditions.

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DVD+R

- This product can play back a DVD+R disc recorded and finalized with a DVD Video recorder. Ability to play back may depend on recording conditions.

Audio CD (CD-DA)

- This product can play back CD-DA format audio CD-RW/-R discs.
- The product may not be able to play some CD-RW/-R discs due to the condition of the recording.

CD-RW/-R

- Use a 700MB (80 minute) CD-RW/-R disc. If possible, do not use a 800MB (90 minute) or above disc, as the disc may not play back.
- If the CD-RW/-R 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-RW/-R discs may not be playable with this product, depending on the device which was used to burn them. For contents recorded on CD-RW/-R media from CDs for your personal use, playability may vary depending on contents and discs.

Supported File Formats

Video File Support

File Extension	Container	Video Codec	Audio Codec	Resolution
*.avi	AVI	Divx 3.11/4.x/5.1/6.0	MP3 AC3 DTS WMA PCM	1920x1080
		XviD		1920x1080
		MP4v3		1920x1080
		H.264 BP/MP/HP		1920x1080
*.mkv	MKV	VC-1 AP(wmv1)	MP3 AC3 DTS	1920x1080
		DivX 5.1/6.0		1920x1080
		XviD		1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV	VC-1 AP	WMA	1920x1080
		VC-1 SM		1920x1080
*.mp4	MP4	MP4 (mp4v)	AAC	1920x1080
		H.264 BP/MP/HP		1920x1080
*.mpg *.mpeg	PS	MPEG1	MP1, 2 AC3 DTS	1920x1080
		MPEG2		1920x1080
		H.264 BP/MP/HP		1920x1080

Music File Support

File Extension	Container	Audio Codec	Support Range
*.mp3	MP3	MP3	-
*.wma	WMA	WMA	Compliant with WMA version 10 * Sampling rates (in kHz) - 8, 11, 16, 22, 32, 44.1, 48 * Bit rates - All bit-rates in the range 5kbps to 384kbps

AVCHD (Advanced Video Codec High Definition)

- This product can playback AVCHD format discs. These discs are normally recorded and used in camcorders.
- The AVCHD format is a high definition digital video camera format.
- The MPEG-4 AVC/H.264 format is capable of compressing images at higher efficiency than that of the conventional image compressing format.
- Some AVCHD discs use the "x.v.Color" format.
- This product can playback AVCHD discs using "x.v.Color" format.
- "x.v.Color" is a trademark of Sony Corporation.
- "AVCHD" and the AVCHD logo are trademarks of Matsushita Electronic Industrial Co.,Ltd. and Sony Corporation.

NOTE

- Some AVCHD format discs may not play, depending on the recording condition. AVCHD format discs need to be finalized.
- "x.v.Color" offers a wider colour range than normal DVD camcorder discs.
- Some DivX, MKV and MP4 format discs may not play, depending on the video resolution and frame rate condition.

Region Code

Both the product 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 product is described on the rear panel of the product.

Disc Type	Region Code	Area
Blu-ray		North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
		Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
		India, China, Russia, Central and South Asia.
DVD-VIDEO		The U.S., U.S. territories and Canada
		Europe, Japan, the Middle East, Egypt, South Africa, Greenland
		Taiwan, Korea, the Philippines, Indonesia, Hong Kong
		Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
		Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
		China

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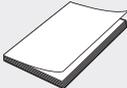
Getting Started

Logos of Discs that can be played

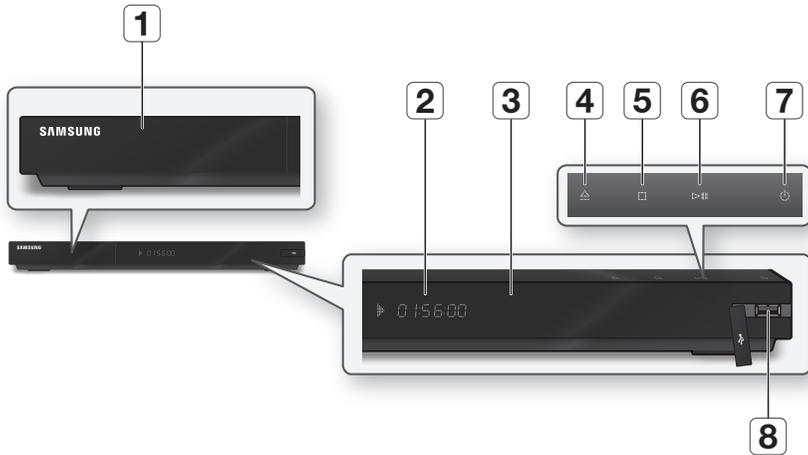
			
Blu-ray Disc	3D Blu-ray Disc	DTS-HD Master Audio	DivX
			
BD-LIVE	Dolby TrueHD	PAL broadcast System in U.K., France, Germany, etc.	Java

Accessories

Check for the supplied accessories below.

		
Audio/Video cable	HDMI cable	Batteries for Remote Control (AAA Size)
		
Wireless LAN Adapter	User Manual	Remote Control

Front Panel



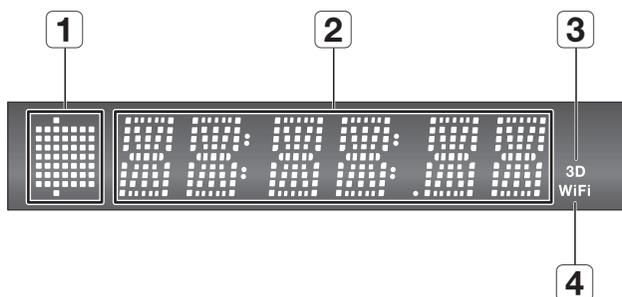
1	DISC TRAY	Opens to accept a disc.
2	DISPLAY	Displays the playing status, time, etc.
3	REMOTE CONTROL SENSOR	Detects signals from the remote control.
4	OPEN/CLOSE BUTTON	Opens and closes the disc tray.
5	STOP BUTTON	Stops disc playback.
6	PLAY/PAUSE BUTTON	Plays a disc or pauses playback.
7	POWER BUTTON	Turns the product on and off.
8	USB HOST	A USB memory flash stick can be connected here and used as storage when connected to BD-LIVE. It can also be used for software upgrades and MP3/JPEG/DivX/MKV/MP4 playback. The Wireless LAN Adapter (WIS09ABGN) can be connected here to use the Wireless network.

NOTE

- Software upgrades using the USB Host jack must be performed with a USB memory flash stick only.
- A USB device consuming more than 500mA requires a separate power supply device for normal operation.
- A USB HDD device cannot be used for BD Data storage (BD-LIVE).

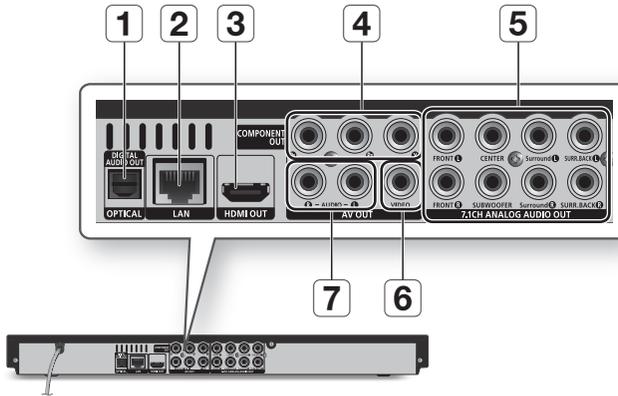
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Front Panel Display



1	IN DISC INDICATOR	Lights when a disc is inserted or played back.
2	CURRENT TIME AND STATUS INDICATOR	Displays the play time and the current status.
3	3D DISC INDICATOR	Lights when 3D disc is inserted or played back.
4	WIFI INDICATOR	Lights when the wireless network is connected.

Rear Panel

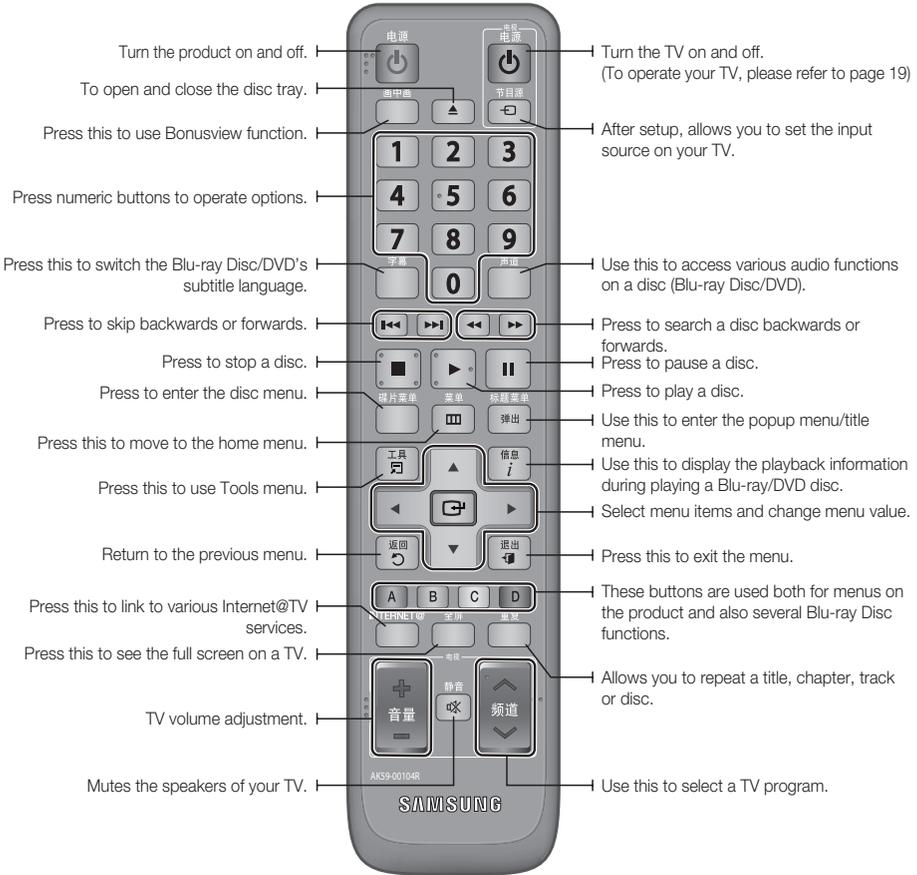


1	DIGITAL AUDIO OUT (OPTICAL)	Connects to a Receiver.
2	LAN	Can be used for network based services (See pages 53~58), BD-LIVE and software upgrades using a network connection.
3	HDMI OUT	Using an HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture or to your Receiver for the best quality sound.
4	COMPONENT OUT	Connects to equipment having component video input.
5	7.1CH ANALOG AUDIO OUT	Connect to a 7.1CH analogue input on an A/V amplifier. (When connecting to a 5.1CH home theatre or receiver, connect all the Analogue Audio output jacks from this product except for the Surround Back Left/Surround Back Right outputs)
6	VIDEO OUT	Connects to the input of external equipment using a video cable.
7	AUDIO OUT	Connects to the audio input of external equipment using audio cables.

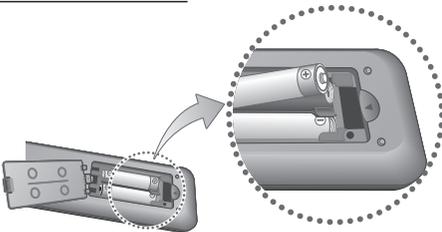
Getting Started

Remote Control

Tour of the Remote Control



Installing batteries



NOTE

- If the remote does not operate properly :
 - Check the polarity +/- of the batteries.
 - Check if the batteries are drained.
 - Check if the remote sensor is blocked by obstacles.
 - Check if there is any fluorescent lighting nearby.

! CAUTION

- The rechargeable battery incorporated in this product is not user replaceable. For the information on its replacement, go to your service provider.

Setting the Remote Control

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

Button	Function
电视电源	Used to switch the television on and off.
电视节目源	Used to select an external source connected to the TV.
电视音量 (+/-)	Used to adjust the volume of the television.
电视频道 (▲/▼)	Used to select the desired channel.
电视静音	Used to toggle the sound on and off.

NOTE

- The functions listed above will not necessarily work on all televisions. If you encounter problems, operate the television directly or using the TV's remote.

To determine whether your television is compatible, follow the instructions below.

- Switch your television on.
- Point the remote control towards the television.
- Press and hold the **电视电源** button and enter the two-figure code from the table on the right corresponding to the brand of your television by pressing the appropriate number buttons. If your television is compatible with the remote control, it will switch off. It is now programmed to operate with the remote control.

NOTE

- If several codes are listed for your television brand, try each one in turn until you find one that works.
- If you replace the remote control's batteries, you must set the brand code again.

Controllable TV Codes

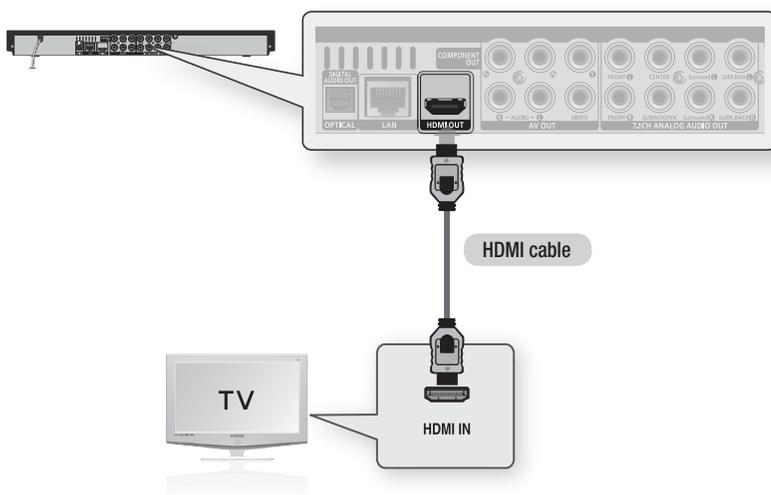
Brand	Code	Brand	Code
SAMSUNG	电视电源+01, +02, +03, +04, +05, +06, +07, +08, +09	NOBLEX	电视电源+66
		NOKIA	电视电源+74
AIWA	电视电源+82	NORDMENDE	电视电源+72, +73, +75
ANAM	电视电源+10, +11, +12, +13, +14, +15, +16, +17, +18	PANASONIC	电视电源+53, +54, +74, +75
		PHILIPS	电视电源+06, +55, +56, +57
BANG & OLUFSEN	电视电源+57	PHONOLA	电视电源+06, +56, +57
BLAUPUNKT	电视电源+71	PIONEER	电视电源+58, +59, +73, +74
BRANDT	电视电源+73	RADIOLA	电视电源+06, +56
BRIONVEGA	电视电源+57	RADIOMARELLI	电视电源+57
CGE	电视电源+52	RCA	电视电源+45, +46
CONTINENTAL EDISON	电视电源+75	REX	电视电源+74
DAEWOO	电视电源+19, +20, +23, +24, +25, +26, +27, +28, +29, +30, +31, +32, +33, +34	SABA	电视电源+57, +72, +73, +74, +75
		SALORA	电视电源+74
EMERSON	电视电源+64	SANYO	电视电源+41, +42, +43, +44, +48
FERGUSON	电视电源+73	SCHNEIDER	电视电源+06
FINLUX	电视电源+06, +49, +57	SELECO	电视电源+74
FORMENTI	电视电源+57	SHARP	电视电源+36, +37, +38, +39, +48
FUJITSU	电视电源+84	SIEMENS	电视电源+71
GRADIENTE	电视电源+70	SINGER	电视电源+57
GRUNDIG	电视电源+49, +52, +71	SINUDYNE	电视电源+57
HITACHI	电视电源+60, +72, +73, +75	SONY	电视电源+35, +48
IMPERIAL	电视电源+52	TELEAVA	电视电源+73
JVC	电视电源+61, +79	TELEFUNKEN	电视电源+67, +73, +75, +76
LG	电视电源+06, +19, +20, +21, +22, +78	THOMSON	电视电源+72, +73, +75
LOEWE	电视电源+06, +69	THOMSON ASIA	电视电源+80, +81
LOEWE OPTA	电视电源+06, +57	TOSHIBA	电视电源+47, +48, +49, +50, +51, +52
MAGNAVOX	电视电源+40	WEGA	电视电源+57
METZ	电视电源+57	YOKO	电视电源+06
MITSUBISHI	电视电源+06, +48, +62, +65	ZENITH	电视电源+63
MIVAR	电视电源+52, +77		
NEC	电视电源+83		
NEWSAN	电视电源+68		

Connections

Connecting to a TV

Case 1 : Connecting to a TV with an HDMI Cable - Best Quality (Recommended)

1. Using an HDMI cable, connect the **HDMI OUT** terminal on the rear of the product to the **HDMI IN** terminal of your TV.
2. Turn on the product and TV.
3. Press the input selector on your TV remote control until the HDMI signal from the product appears on your TV screen.
 - If you have set the product's remote control to operate your TV (See page 19), press the **电视节目源** button on the remote control and select HDMI as the external source of the TV.

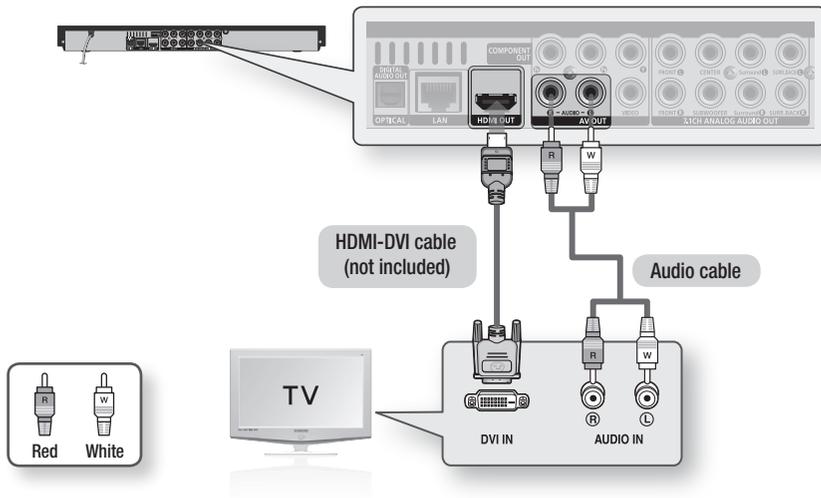


NOTE

- An HDMI cable outputs digital video/audio, so you don't need to connect an audio cable.
- If the product is connected to your TV in HDMI 720p, 1080i or 1080p output mode, you must use a High speed (category 2) HDMI cable.
- 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.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV.
- When you connect the product to the TV using the HDMI cable for the first time or to a new TV, the product sets the HDMI output resolution to the highest supported by the TV automatically.
- You must have an HDMI connection to enjoy videos with 3D technology.
- A long HDMI cable may cause a screen noise. If this is the case, set Deep Colour to Off in the menu.

Case 2 : Connecting to a TV with a DVI Cable - Best Quality (Recommended)

1. Using an HDMI-DVI cable, connect the **HDMI OUT** terminal on the rear of the product to the **DVI IN** terminal of your TV.
2. Using the audio cables, connect the **AUDIO OUT (red and white)** terminals on the rear of the product to the **AUDIO IN (red and white)** terminals of your TV.
3. Turn on the product and TV.
4. Press the input selector on your TV remote control until the DVI signal from the product appears on your TV screen.
 - If you have set the product's remote control to operate your TV (See page 19), press the **电视节目源** button on the remote control and select HDMI as the external source of the TV.



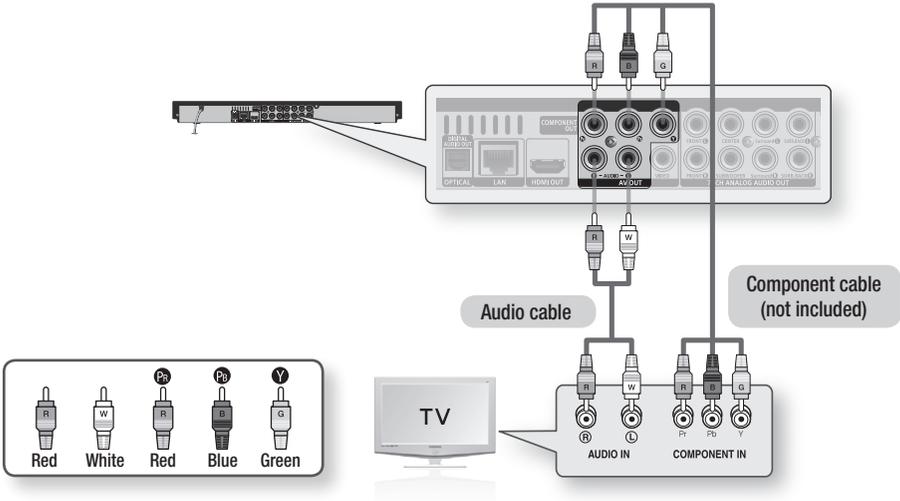
NOTE

- 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.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV.
- When you connect the product to the TV using the HDMI-DVI cable for the first time or to a new TV, the product sets the HDMI output resolution to the highest supported by the TV automatically.

Connections

Case 3 : Connecting to a TV (Component) - Better Quality

- Connecting to your TV using Component video cables.
 - You will enjoy high quality images with accurate colour reproduction. Component video separates the picture element into black and white (Y), blue (P_B) and red (P_R) signals to present clear and clean images. (Audio signals are delivered through the audio output.)
1. Using Component video cables, connect the **COMPONENT VIDEO OUT** terminals on the rear of the product to the **COMPONENT IN** terminals of your TV.
 2. Using the audio cables, connect the **AUDIO OUT (red and white)** terminals on the rear of the product to the **AUDIO IN (red and white)** terminals of your TV.
 3. Turn on the product and TV.
 4. Press the input selector on your TV remote control until the “COMPONENT” signal from the product appears on the TV screen.
 - If you have set the product’s remote control to operate your TV (See page 19), press the **电视节目源** button on the remote control and select COMPONENT as the external source of the



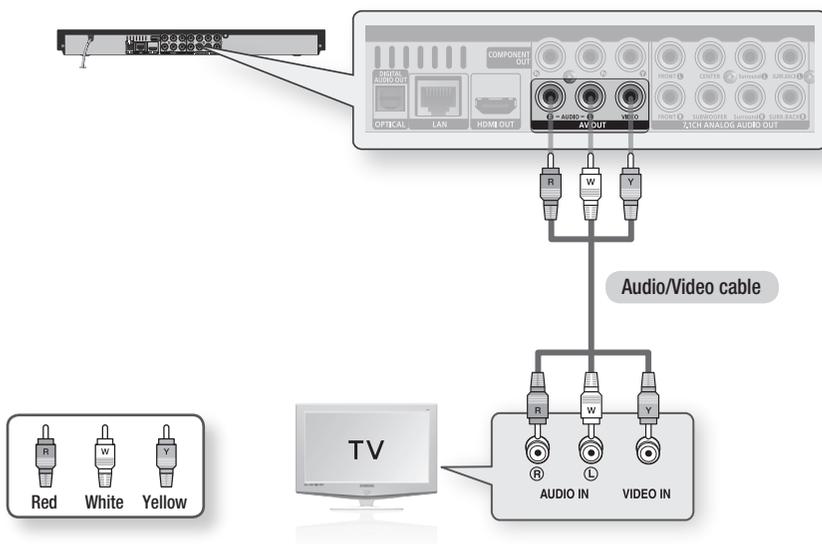
TV.

NOTE

- Depending on the manufacturer, the component terminals on your TV may be marked “R-Y, B-Y, Y” or “Cr, Cb, Y” instead of “P_B, P_R, Y”. The number and position of the terminals may vary depending on the TV set. Please refer to the user manual of your TV.
- You can select from a variety of resolution settings for Blu-ray Discs such as 1080i, 720p, 576p/480p, 576i/480i, depending on the disc type. (See pages 32~33)
- 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 pages 32~33)
- 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 576i/480i.

Case 4 : Connecting to a TV (Video) - Good Quality

- Using video/audio cables, connect the **VIDEO OUT (yellow)** / **AUDIO OUT (red and white)** terminals on the rear of the product to the **VIDEO IN (yellow)** / **AUDIO IN (red and white)** terminals of your TV.
- Turn on the product and TV.
- Press the input selector on your TV remote control until the "VIDEO" signal from the product appears on the TV screen.
 - If you have set the product's remote control to operate your TV (See page 19), press the **电视节目源** button on the remote control and select VIDEO as the external source of the TV.



NOTE

- Noise may be generated if the audio cable is placed too close to the power cable.
- If you want to connect to an Amplifier, please refer to the Amplifier connection pages. (See pages 24~26)
- The number and position of the terminals may vary depending on your TV set. Please refer to the user manual of your TV.
- If there is only one audio input terminal on the TV, connect it to the **AUDIO OUT (right/white)** terminal of the product.

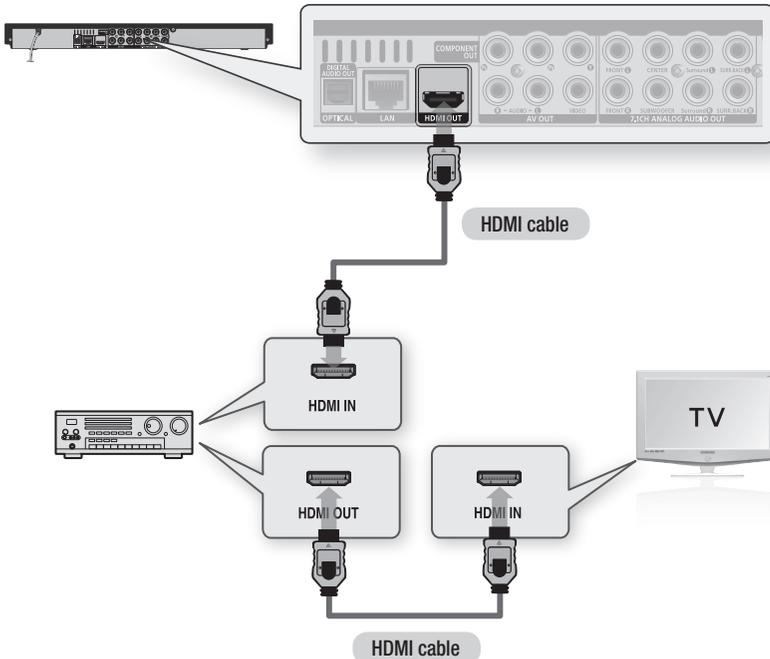
Connections

Connecting to an Audio System

- Please turn the volume down when you turn on the Amplifier. A sudden loud sound may cause damage to the speakers and your ears.
- Set the audio output format according to the capabilities of your amplifier. (See pages 34–36)
- The position of HDMI terminals may vary depending on the Amplifier. Please refer to the user manual of your Amplifier.

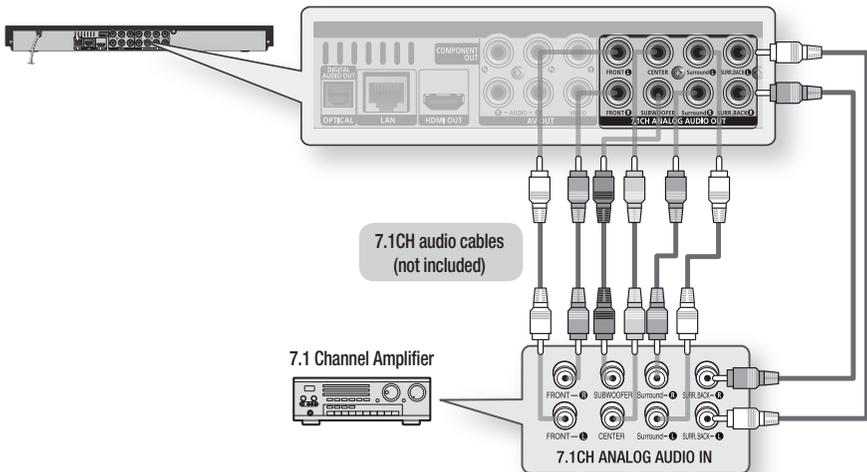
Case 1 : Connecting to an Audio System (HDMI Supported Amplifier) - Best Quality (Recommended)

1. Using an HDMI cable, connect the **HDMI OUT** terminal on the rear of the product to the **HDMI IN** terminal of your amplifier.
2. Using an HDMI cable, connect the **HDMI OUT** terminal of the amplifier to the **HDMI IN** terminal of your TV.
3. Turn on the product, TV and amplifier.
4. Press the input select button of the amplifier to select the external input and hear sound from the product. Refer to your Amplifier's user manual to set the Amplifier's audio input.



Case 2 : Connecting to an Audio System (7.1 Channel Amplifier) - Better Quality

1. Using the 7.1CH audio cables, connect the **7.1CH ANALOG AUDIO OUT** terminals on the rear of the product to the **7.1CH ANALOG AUDIO IN** terminals of your amplifier.
2. Using the video signal cable(s), connect the **HDMI**, **COMPONENT** or **VIDEO OUT** terminals on the rear of the product to the **HDMI**, **COMPONENT** or **VIDEO IN** terminal of your TV. (See pages 20~23)
3. Turn on the Product, TV and amplifier.
4. Press the input select button of the amplifier to select the **external input** and hear sound from the product. Refer to your amplifier's user manual to set the amplifier's audio input.



NOTE

- The front left and right outputs on your product and 7.1 channel amplifier must be connected to hear disc menu audio from certain Blu-ray discs.
- When you connect the **7.1CH ANALOG AUDIO OUT** terminals using 7.1CH audio cables, we recommend you set the Digital Output to PCM. (See page 34)
- When you connect to a 5.1 channel home theatre or receiver, connect all the Analogue Audio output jacks from the product except for the Surround Back Left/Surround Back Right outputs.

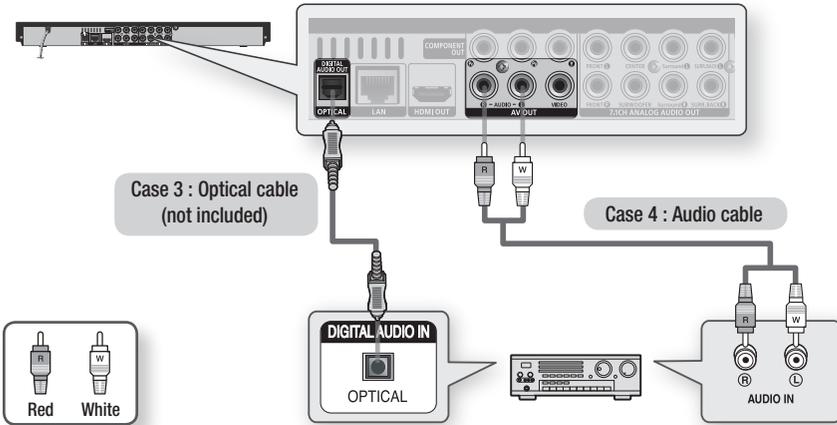
Connections

Case 3 : Connecting to an Audio System (Dolby Digital, DTS Amplifier) - Better Quality

1. Using an optical cable, connect the **DIGITAL AUDIO OUT (OPTICAL)** terminal on the rear of the product to the **DIGITAL AUDIO IN (OPTICAL)** terminal of your amplifier.
2. Using the video signal cable(s), connect the **HDMI, COMPONENT** or **VIDEO OUT** terminals on the rear of the product to the **HDMI, COMPONENT** or **VIDEO IN** terminal of your TV. (See pages 20~23)
3. Turn on the product, TV and amplifier.
4. Press the input select button of the amplifier to select the external input and hear sound from the product. Refer to your amplifier's user manual to set the amplifier's audio input.

Case 4 : Connecting to an Audio System (2 Channel Amplifier) - Good Quality

1. Using audio cables, connect the **AUDIO OUT (red and white)** terminals on the rear of the product to the **AUDIO IN (red and white)** terminals of your amplifier.
2. Using the video signal cable(s), connect the **HDMI, COMPONENT** or **VIDEO OUT** terminals on the rear of the product to the **HDMI, COMPONENT** or **VIDEO IN** terminal of your TV. (See pages 20~23)
3. Turn on the product, TV and amplifier.
4. Press the input select button of the amplifier to select the external input and hear sound from the product. Refer to your amplifier's user manual to set the amplifier's audio input.



NOTE

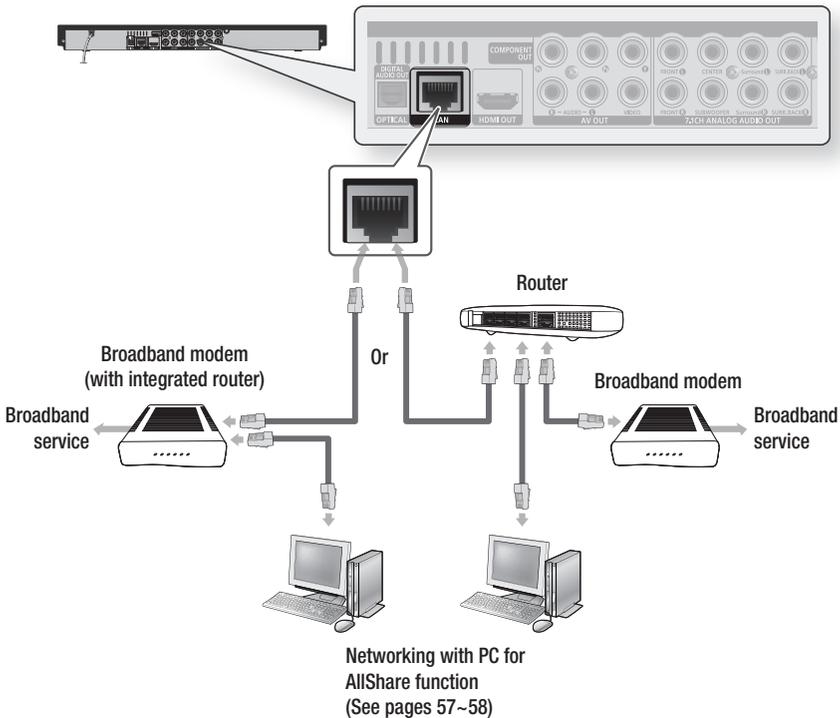
- If you use the Digital Audio connection described in Case 3, you will hear discs with PCM audio soundtracks only through the front two speakers.

Connecting to the Network

This product lets you view network based services (See pages 53~58) such as Internet@TV and BD-LIVE, as well as receive software upgrades through a network connection. We recommend using an AP (Access Point) or IP router for the connection. For more information on router connection, refer to the user manual of the router or contact the router manufacturer for technical assistance.

Cable Network

1. Using the Direct LAN Cable (UTP cable), connect the LAN terminal of the product to the LAN terminal of your modem.
2. Set the network options. (See pages 38~42)



NOTE

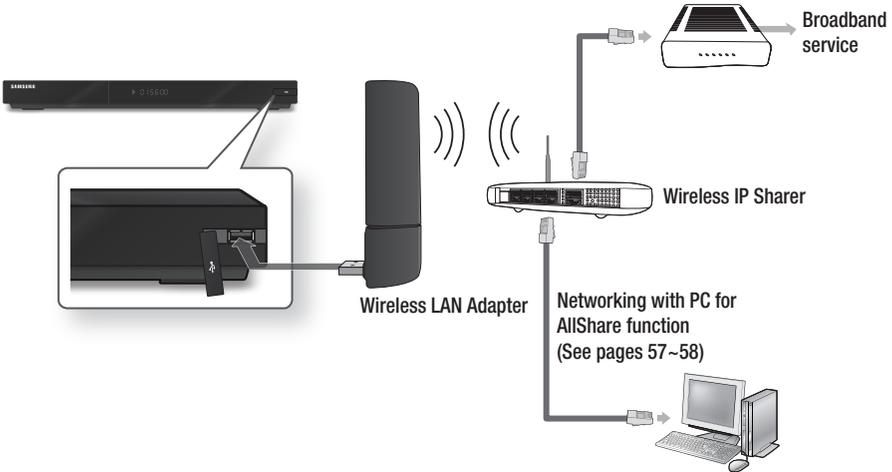
- Internet access to Samsung's software update server may not be allowed, depending on the router you use or the ISP's policy. For more information, contact your ISP (Internet Service Provider).
- For DSL users, please use a router to make a network connection.
- To use the AllShare function, you must connect your PC to your network as shown in the figure. The connection can be wired or wireless.

Connections

Wireless Network

You can connect to network with a Wireless IP sharer.

1. A wireless AP/IP router is required to make a wireless network connection.
Connect the wireless LAN adapter to the **Wireless LAN Adapter** on the front panel of the product.
2. Set the network options. (See pages 38~42)



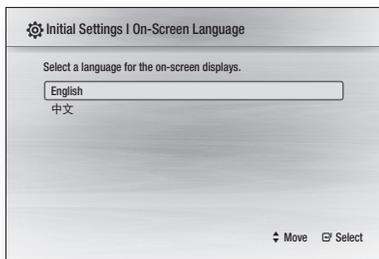
NOTE

- Use only the Samsung wireless LAN adapter with this product. (Model name: WIS09ABGN).
Do not use this adapter with any other third-party products.
Please contact the retailer of this product for purchasing the wireless LAN adapter.
- 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, by its nature, may cause interference, depending on the operating conditions.
(AP performance, distance, obstacles, 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 security protocols are supported:
 - 1) Authentication Mode : WEP, WPAPSK, WPA2PSK
 - 2) Encryption Type : WEP, AES
- To use the AllShare function, you must connect your PC to your network as shown in the figure.
The connection can be wired or wireless.

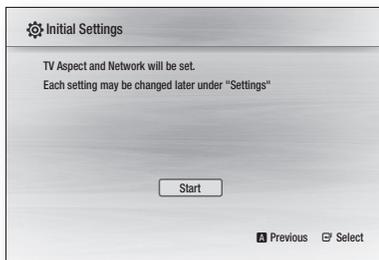
Setup

Before Starting (Initial Settings)

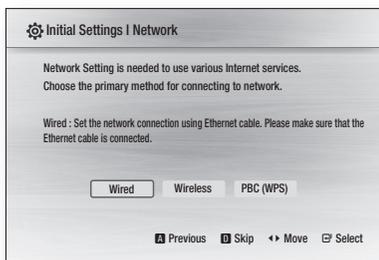
1. Turn on your TV after connecting the product. (When the product is connected to TV for the first time, the product will turn on automatically and display the Initial Settings screen.)



2. Press the ▲▼ buttons to select the desired language, then press the 确认 button.
3. Press the 确认 button to select Start.



4. Press the ▲▼ buttons to select the desired TV aspect ratio, then press the 确认 button. (See page 32)



5. Press the ◀▶ buttons to select the desired Network Settings : **Wired**, **Wireless** or **PBC (WPS)**, and then press the 确认 button. If you do not know your Network Settings, press the 蓝色 (D) button on your remote instead to skip Network Settings here, finish the Initial Settings, and go to the Home menu. If you selected a Network Setting, go to pages 38~42 for more information about the Network settings. When done, go to Step 6.
6. Press the OK button. The Home menu is displayed. For more information about the Home menu, please see page 30.

• Home Menu



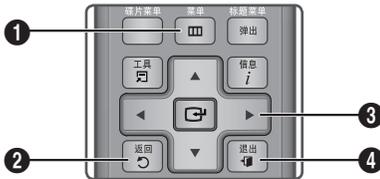
NOTE

- When the product is connected to a TV for the first time, product will turn on automatically. This is not malfunction.
- The Home menu will not appear if you do not configure the initial settings except as noted below.
- If you press the 蓝色 (D) button during the network setup, you can access the Home menu even if the network setup is not completed yet.
- When you return to the Home menu, the full screen mode is cancelled automatically.
- If you want to display the Initial Setting screen again to make changes, press the 停止 ([]) button on the front panel of the product for more than 5 seconds with no disc inserted.

Setup

- Use the HDMI cable to connect the product to an **Anynet+(HDMI-CEC)**-compliant Samsung TV. If the TV uses a language supported by the product, that language will be set to a preferred language automatically.
For this to work, the **Anynet+(HDMI-CEC)** feature should be set to **On** in both the TV and the product.
- If the product is left in the stop mode more than 5 minutes without being used, a screen saver appears on your TV. If the product is left in the screen saver mode for more than 25 minutes, the power automatically turns off.

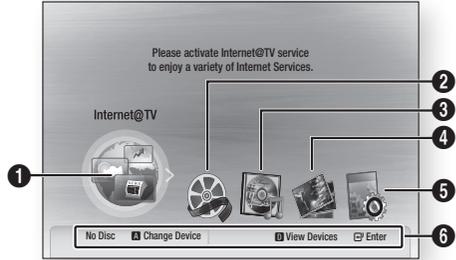
Setting the Menu



- | | |
|---|--|
| 1 | 菜单 Button : Press this to move to the Home menu. |
| 2 | 返回 Button : Return to the previous menu. |
| 3 | 确认/方向 Button :
Move the cursor or select an item.
Select the currently selected item.
Confirm the setting. |
| 4 | 退出 Button : Press this to exit the menu. |

- Press the **电源** button.
The Home Menu will appear.

• Home Menu



- | | |
|---|---------------------------------|
| 1 | Selects Internet@TV. |
| 2 | Selects Videos. |
| 3 | Selects Music. |
| 4 | Selects Photos. |
| 5 | Selects Settings. |
| 6 | Displays the buttons available. |

- Press the **◀▶** buttons to select **Settings**, then press the **确认** button.
- Press the **▲▼** buttons to select the desired submenu, then press the **确认** button.
- Press the **▲▼** buttons to select the desired item, then press the **确认** button.
- Press the **退出** button to exit the menu.

NOTE

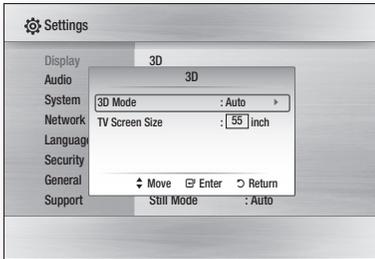
- When the product is connected to the network, select **Internet@TV** from the Home menu. Download desired content from **Samsung Apps**. (See page 56)
- The access steps may differ depending on the selected menu.
- The OSD (On Screen Display) may change in this product after you upgrade the software version.

Display

You can configure various display options such as the TV Aspect, Resolution, etc.

3D

Select whether to play a Blu-ray Disc with 3D contents in 3D Mode.



3D Mode

- **Auto** : The 3D Blu-ray Disc is played in 3D mode if your product detects a TV which supports it. It is played in 2D mode if your product detects a TV which cannot support it.
- **3D** : The 3D Blu-ray Disc is played in 3D mode at all times. If a TV cannot support 3D Blu-ray discs, the playing screen can be black.
- **2D** : The 3D Blu-ray Disc is played in 2D mode at all times. Choose this to view a picture without 3D effect or when a TV cannot support 3D Blu-ray discs.

NOTE

- If you press the 停止 (■) button once during the 3D disc playback, 3D mode option will not be deactivated.
To activate 3D mode option during the 3D disc playback, press the 停止 (■) button twice.
- Depending on the content and its play position, vertical black bars could be seen on left or right or both sides.

TV Screen Size

Lets you enter the actual screen size of your TV so that the product can adjust the image according to the screen size and display an optimal 3D image. (The maximum allowed screen size is 116 inches for this product.)

! CAUTION

- If you want to enjoy a 3D content, connect a 3D device (3D compliant AV receiver or TV) to the product and wear a 3D glass before playing the 3D content.
- While watching the 3D video, all analogue component and composite signals will be blocked automatically.
- All 3D signals are output only using the HDMI cable and through the HDMI OUT port.
- As the video resolution in 3D play mode is fixed according to the resolution of the original 3D video, you can not change the resolution to your preference.
- Some functions such as BD Wise, or setting the screen size or resolution may not operate properly in 3D play mode.
- You must use a high-speed HDMI cable for a proper output of the 3D signal.
- Stay at least three times of the length of the screen distant from the TV.
- It is recommended to place the 3D video screen forward at eye level.
- If the product is connected to some 3D devices, the 3D effect may not function properly.
- You can not use this product for switching a 2D content to 3D.

Setup

TV Aspect

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

• 16:9 Normal



Certain movies (4:3 source) are displayed in 4:3 Pillar-box (black bars on sides of picture) if 16:9 normal is selected.

• 16:9 Wide



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

• 4:3 Letter Box



Select when you want to see full 16:9 ratio image supplied by a Blu-ray Disc/DVD, 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. The extreme left and right portion of the movie picture will be cut off.

NOTE

- Depending on the disc type, some aspect ratios may not be available.
- If you select an aspect ratio and option which is different than the aspect ratio of your TV screen, then the picture might appear distorted.
- If you select the 4:3 Pan-Scan or 4:3 Letter Box, the **全屏** button on your remote will not work.
- If you select the 16:9 Normal, your TV may display 4:3 Pillar-box. In this case, the **全屏** button on the remote control will not work.

BD Wise (Samsung Products only)

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

When you connect Samsung products with BD Wise to a Samsung TV via HDMI, the optimum resolution is set automatically.

- **On** : The original resolution of the BD/DVD disc is output to the TV.
- **Off** : The output resolution is fixed at the resolution previously set, regardless of the resolution of the disc.

NOTE

- If you want to change the resolution in BD Wise, you must set BD Wise to **Off** in advance.
- If you set BD Wise off, the resolution of the connected TV is adjusted to its maximum resolution automatically.
- If the product is connected to a device that does not support BD Wise, you can not use the BD Wise function.
- For proper operation of BD Wise, set the BD Wise menu of both the product and the TV to **On**.

Resolution

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

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

- **Auto** : Automatically checks and sets the optimal resolution.
- **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.
- **1080i** : Outputs 1080 lines of interlaced video.
- **720p** : Outputs 720 lines of progressive video.
- **576p/480p** : Outputs 576/480 lines of progressive video.
- **576i/480i** : Outputs 576/480 lines of interlaced video.

Resolution according to the output mode

• Blu-ray Disc playback

Setup \ Output	HDMI connected		HDMI not connected	
	HDMI Mode	Component/VIDEO Mode	Component Mode	VIDEO Mode
Auto	Optimal Resolution	576i/480i	-	-
1080p, Movie Frame(24Fs) off	1080p@60F	576i/480i	-	-
1080p/1080i, Movie Frame(24Fs) on	1080p@24F	576i/480i	-	-
1080i, Movie Frame(24Fs) off	1080i	576i/480i	1080i	576i/480i
720p	720p	576i/480i	720p	576i/480i
576p/480p	576p/480p	576i/480i	576p/480p	576i/480i
576i/480i	-	-	576i/480i	576i/480i

• DVD playback

Setup \ Output	HDMI connected		HDMI not connected	
	HDMI Mode	Component/VIDEO Mode	Component Mode	VIDEO Mode
Auto	Optimal Resolution	576i/480i	-	-
1080p	1080p@60F	576i/480i	-	-
1080i	1080i	576i/480i	576p/480p	576i/480i
720p	720p	576i/480i	576p/480p	576i/480i
576p/480p	576p/480p	576i/480i	576p/480p	576i/480i
576i/480i	-	-	576i/480i	576i/480i

NOTE

- If the connected TV does not support Movie Frame or the selected resolution, the message "If no pictures are shown after the selection, please wait for 15 seconds. And then, the resolution will be reverted to the previous value automatically. Would you like to make a selection?" will be displayed. 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 停止 (■) button on the front of the product 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 is deleted.
- The Blu-ray Disc must have the 24 frame feature to use the Movie Frame (24Fs) mode.
- If both HDMI and Component jacks are connected and you are currently viewing Component output, there may be a difference between the resolution listed above and the actual resolution depending on your TV.

Setup

HDMI Format

You can optimize the colour setting from the HDMI output by selecting a connected device Type.

- **TV** : Select if connected to a TV via HDMI.
- **Monitor** : Select if connected to a Monitor via HDMI.

Movie Frame (24Fs)

Setting the Movie Frame (24Fs) feature to **On** allows you to adjust the product'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.

- **On** : Movie Frame (24Fs) functions is on.
- **Off** : Movie Frame (24Fs) functions is off.

NOTE

- If your TV does not support Movie Frame (24Fs) function, a pop-up message is will be displayed.

Progressive Mode

Set to improve picture quality when viewing DVDs.

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

Still Mode

Set the type of picture the product shows when you pause DVD playback.

- **Auto** : Automatically show the best still picture depending on the content.
- **Frame** : Select when pausing a scene with a little action.
- **Field** : Select when pausing a scene with a lot of action.

HDMI Deep Colour

Set to output the picture from the HDMI OUT jack with Deep Colour or without. Deep Colour allows more accurate colour reproduction with deeper colour depth.

- **Auto** : The picture is output with Deep Colour to the connected TV if it supports HDMI Deep Colour.
- **Off** : The picture is output without Deep Colour.

Audio

Digital Output

Lets you set the audio output format according to the capabilities of your amplifier. (For more details, see the digital output selection on the next page.)

- **PCM**
- **Bitstream(Re-encode)**
- **Bitstream(Audiophile)**

NOTE

- Be sure to select the correct Digital Output or you will hear no sound or a loud noise.
- If the HDMI device (Receiver, TV) is not compatible with a compressed format (Dolby digital, DTS), the audio signal outputs as PCM.
- Regular DVDs do not have Secondary and Effect audio.
- Some Blu-ray Discs do not have Secondary and Effect audio.
- This Digital Output setup does not affect the analogue (L/R) audio or HDMI audio output to your TV. It affect the optical and HDMI audio output when the product is connected to a receiver.
- If you play MPEG audio soundtracks, the audio signal outputs as PCM regardless of Digital Output Selections (PCM or Bitstream).

Digital Output Selection

Setup		PCM		Bitstream (Re-encode)	Bitstream (Audiophile)	
		HDMI Receiver	Optical	HDMI Receiver or Optical	HDMI Receiver	Optical
Audio Stream on Blu-ray Disc	PCM	Up to 7.1ch	PCM 2ch	DTS re-encoded	PCM	PCM 2ch
	Dolby Digital	Up to 5.1ch	PCM 2ch	DTS re-encoded	Dolby Digital	Dolby Digital
	Dolby Digital Plus	Up to 7.1ch	PCM 2ch	DTS re-encoded	Dolby Digital Plus	Dolby Digital
	Dolby TrueHD	Up to 7.1ch	PCM 2ch	DTS re-encoded	Dolby TrueHD	Dolby Digital
	DTS	Up to 6.1ch	PCM 2ch	DTS re-encoded	DTS	DTS
	DTS-HD HRA	Up to 7.1ch	PCM 2ch	DTS re-encoded	DTS-HD HRA	DTS
	DTS-HD MA	Up to 7.1ch	PCM 2ch	DTS re-encoded	DTS-HD MA	DTS
Audio Stream on DVD	PCM	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch
	Dolby Digital	Up to 5.1ch	PCM 2ch	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	Up to 6.1ch	PCM 2ch	DTS	DTS	DTS
Definition for Blu-ray Disc	Any	Decodes Primary, Secondary and Effect audio streams together into PCM audio.		Decodes Primary, Secondary and Effect audio streams together into PCM audio, then re-encodes the PCM audio into DTS bitstream.	Outputs only the Primary audio soundtrack (main soundtrack of the movie) so that your receiver can decode the audio bitstream. You will not hear Secondary and Effect audio.	

Blu-ray Discs may include three audio streams.

- Primary Audio : The audio soundtrack of the main feature
- Secondary Audio : Additional soundtrack such as director or actor's commentary.
- Interactive Audio : Plays Interactive sounds when selected. Interactive Audio is different on each Blu-ray Disc.

PCM Downsampling

Select whether to downsample 96KHz signals.

- **On** : Select when the Amplifier connected to the product is not 96KHz compatible. 96KHz signals are down converted to 48KHz.
- **Off** : Select this when the Amplifier connected to the product is 96KHz compatible.



NOTE

- Even when PCM Downsampling is set to **Off**, some discs will only output downsampled audio through the optical digital outputs.

Setup

HDMI

- If your TV is not compatible with compressed multi-channel formats (Dolby Digital, DTS), the product may output PCM 2ch downmixed audio even though you set Bitstream (either Re-encode or Audiophile) on your setup menu.
- If your TV is not compatible with PCM sampling rates over 48kHz, the product may output 48kHz downsampled PCM audio even though you set PCM Downsampling to **Off**.

Dynamic Range Control

You can listen at low volumes but still hear dialog clearly.

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

- **Auto** : The Dynamic Range Control will be set automatically based on the information provided by the Dolby TrueHD Soundtrack.
- **Off** : Turn Dynamic Range Control off.
- **On** : Choose to listen to a movie at a lower volume without losing clarity of dialog.

Downmixing Mode

Select whether to downmix the multi-channel audio into fewer channels.

- **Normal Stereo** : Downmixes the multi-channel audio into two channel stereo. Choose when connected to equipment that does not support virtual surround functions such as Dolby Pro Logic.
- **Surround Compatible** : Downmixes multi-channel audio into surround compatible stereo. Choose when connected to equipment that supports virtual surround functions such as Dolby Pro Logic.

DTS Neo:6

You can enjoy multi-channel sound from a simple 2-channel audio source.

- **Off** : Outputs a 2-channel audio signal through the front speakers only.

- **Cinema** : Outputs 2-channel movie sound over multi-channels.
- **Music** : Outputs 2-channel music over multi-channels.

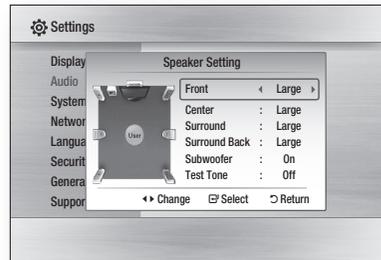
NOTE

- If you are using an HDMI receiver, this option is available when you set Digital Output setup to PCM.
- You can use this option with analogue 7.1ch output when you don't use HDMI receiver.

Speaker Setting

Set the speaker sound to obtain the best possible surround sound.

This menu is available only when you are using 7.1ch analogue output.



Test Tone

- A test tone is sent to **L → C → R → RS → RSB → LSB → LS → LFE** in order, so you can make sure the speakers are set up correctly.
- You can activate the test tone only when no discs are in the unit.
- The test tone outputs through the 7.1 channel analogue outputs only.

System

Initial Settings

By adjusting the Initial Settings, you can set the language, TV aspect and Network Settings, etc. For more information on the settings, refer to the corresponding section in this user manual. (See pages 29~44)

Internet@TV Screen Size

Set the Internet@TV Screen to the optimal size.

- **Size 1** : Display smaller application icons.
You may see some black on the sides of the screen.
- **Size 2** : Display normal application icons.
The image may be too large for your TV screen.
- **Size 3** : Display larger application icons.
The image may be too large for your TV screen.

Anynet+(HDMI-CEC)

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

To operate this function, connect this product to a Samsung TV with an HDMI cable.

You can operate this product using a Samsung TV remote control and start disc playback simply by pressing the **播放** (▶) button on the TV's remote control.

For more information, please see the TV user manual.

- **On** : Anynet+ function is on.
- **Off** : Anynet+ function is off.

NOTE

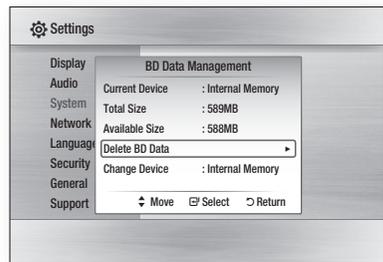
- This function is not available if the HDMI cable does not support CEC.
- If your Samsung TV has an *Anynet+* logo, then it supports the Anynet+ function.
- Depending on your TV, certain HDMI output resolutions may not work.
Please refer to the user manual of your TV.

BD Data Management

Lets you manage the downloaded contents from a Blu-ray Disc that supports the BD-LIVE service. You can check the device information including the storage size, delete the BD data or change the Flash memory device.

Change Device allows you to select either the product's Internal Memory or External Memory (a connected USB Device).

If the data to be stored from BD-LIVE is greater than the size of the remaining memory or the Internal Memory is full, connect an External USB device, then select External Device in the menu.



Description of Device (Storage) Information on the Product

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

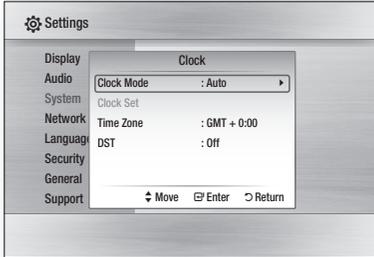
NOTE

- In the external memory mode, disc playback is stopped if you disconnect the USB device in the middle of the playback.
- Only those USB devices formatted in the FAT file system (DOS 8.3 volume label) are supported, We recommend you use USB devices that support the USB 2.0 protocol with 4 MB/sec or faster read/write speed.
- A USB HDD device cannot be used for BD Data storage (BD-LIVE).
- The Resume Play function may not work after you format the storage device.
- The total size of BD Data Management may differ, depending on the conditions.

Setup

Clock

Set time-related functions.



- **Clock Mode** : You can set it to **Auto** or **Manual**.
If you select **Manual**, the **Clock Set** menu is activated while and **DST** is will be deactivated.
- **Clock Set** : You can specify the current time and date manually.
- **Time Zone** : You can specify the time zone that is applicable to your area.
- **DST** : You can set DST (Daylight Saving Time) on or off.

DivX(R) Registration

View the DivX(R) VOD Registration Code to purchase and play DivX(R) VOD content.

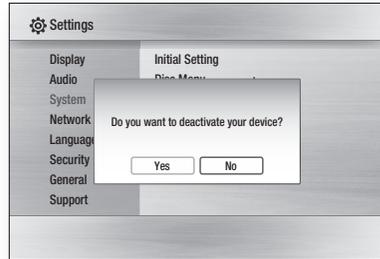


NOTE

- This option is not activated if you select **OK**.
To activate this option, please activate the DivX(R) Deactivation.

DivX(R) Deactivation

Select this to get a new registration code.



NOTE

- You can operate this function when the DivX(R) Registration function is deactivated.

Network Setup

To begin setting up the network connection for your product, follow these steps:

1. In the Home menu, press the ◀▶ buttons to select **Settings**, and then press the **确认** button.
2. Press the ▲▼ buttons to select **Network**, and then press the **确认** button.
3. Press the ▲▼ buttons to select **Network Settings**, and then press the **确认** button.
4. Press the ▲▼ buttons to select **Network Type**, and then press the **确认** button.
5. Press the ▲▼ buttons to select **Wired** or **Wireless**, and then press the **确认** button.
6. Go to the next section.

Network Settings

Please contact your ISP to find out if your IP address is static or dynamic. If it is dynamic, we recommend using the Auto setting. This is the easiest and will work in the majority of cases. If it is static, you must use the manual set up procedure. Directions for wired networks are below. Directions for wireless networks are after the directions for wired networks.

Wired Network

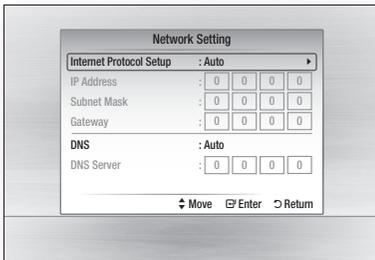
1. In the Network Settings menu, press the ▲▼ buttons to select **Network Settings**, and then press the 确认 button.
The Internet Protocol Setup screen appears.
2. Press the ► button, then select **Auto** or **Manual**, and then press the 确认 button.

Setting Up a Wired Connection - Auto

1. If you selected **Auto**, the Network Function acquires and fills in the values for IP Address, Subnet Mask, etc., automatically.

NOTE

- This process can take up to five minutes.



2. After the Network Function has acquired the network values, press the 返回 button. Then, run a Network Test to ensure the product has connected to your network (See page 42).
3. If the Network Function does not acquire the network values or you selected Manual, go to the directions for Manual Setup.

Setting Up a Wired Connection - Manual

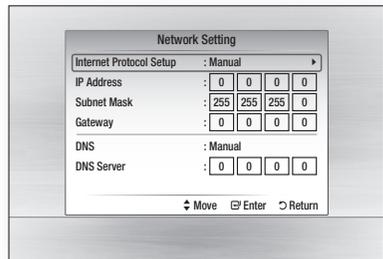
If the Auto Setting does not work, you'll need to set the Network Setting values manually.

To get the Network setting values from most Windows computers, follow these steps:

1. Right click the Network icon on the bottom right of the screen.
2. In the pop-up menu, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support tab, click the Details button.
The Network settings are displayed.

To enter the Network settings into your product, follow these steps:

1. On the Internet Protocol Setup screen, press the 确认 button.
2. Press the ▲▼ buttons to select **Manual**, and then press the 确认 button.
3. Press the ▼ button to go to the first entry field (IP Address).



4. Use the number buttons on your remote to enter numbers.
5. When done with each field, use the ► button to move successively to the next field.
You can also use the other arrow buttons to move up, down, and back.
6. Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.
7. Press the ▼ button to go to **DNS**.
8. Press the ▼ button to go to the first DNS entry field. Enter the numbers as above.

Setup

9. Press the **返回** button on your remote.
10. Run a Network Test to ensure the product has connected to your network (See page 42).

Wireless Network

You can setup the wireless connection three ways:

- Using PBC (WPS)
- Using the Auto Network Search function.
- Manually.

Each method is described below.

Setting Up the Wireless Network Connection - PBC (WPS)

The easiest way to set up the wireless network connection is using the PBC (WPS) function. If your wireless router has a PBC (WPS) button, follow these steps:

1. In the Network Settings menu, press the **▲▼** buttons to select **Network Settings**, and then press the **确认** button. The Internet Protocol Setup screen appears.
2. Press the **红色 (A)** button on the remote control.
3. Press the **PBC (WPS)** button on your router within two minutes. Your product displays the Network Selection Screen, and automatically acquires all the network setting values it needs and connects to your network. When it is done, it displays an **OK** button. Press the **确认** button on your remote.
4. After the network connection is set up, press the **返回** button to exit the Network Setting screen.

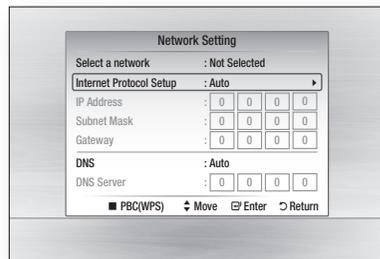
Setting Up the Wireless Network Connection - Auto Network Search

Most wireless networks have an optional security system that requires devices that access the network to transmit an encrypted security code called an Access or Security Key. The Security Key is based on a Pass Phrase, typically a word or a series of letters and numbers of a specified length you were asked to enter when you set up security for your wireless network. If you use this method of setting up the network connection, and have a Security Key for your wireless network, you will have to enter the Pass Phrase during the setup process.

Setting Up the Network Connection

To set up the wireless connection using Auto Network Search, follow these steps:

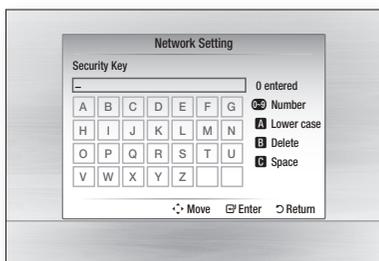
1. In the Network Settings menu, press the **▲▼** buttons to select **Network Settings**, and then press the **确认** button. The Internet Protocol Setup screen appears.
2. Press the **▲▼** buttons to select the **Internet Protocol Setup**, and then press the **确认** button.
3. Press the **▲▼** buttons to select **Auto** or **Manual**, and then press the **确认** button.
4. If you selected **Auto**, press the **▲** button to go to **Access Point Selection**, and then press the **确认** button. The Network function searches for available wireless networks. When done, it displays a list of the available networks.



5. In the list of networks, press the ▲▼ buttons to select a network, and then press the 确认 button.
6. If the PIN/Security pop-up appears, go to Step 7. If the Network Connecting Screen appears, go to Step 11.
7. Press the ▲▼ buttons to select PIN or Security.
For most home networks, you would select Security (for Security Key).
8. On the Security screen, enter your network's Pass Phrase.

NOTE

- You should be able to find the Pass Phrase on one of the set up screens you used to set up your router or modem.



9. To enter the Pass Phrase, follow these general directions:
 - Press the number keys on your remote to enter numbers.
 - Use the arrow keys on your remote to move from button to button on the Security Key screen.
 - Pressing the 红色 (A) button on the remote lets you change the text displayed on the buttons to lower case, upper case, numbers, or icons.
To enter a letter or symbol, move the cursor to the letter or symbol, and then press the 确认 button.
 - To delete the last letter or number you entered, press the 绿色 (B) button.
10. When done, press the 蓝色 (D) button on your remote, and then press the 确认 button.

11. Wait until the connection confirmation message is displayed, and then press the 确认 button. The Network Settings screen reappears.
12. To test the connection, press the ▼ button to select **Network Test**, and then press the 确认 button.

Setting Up the Wireless Network Connection - Manual

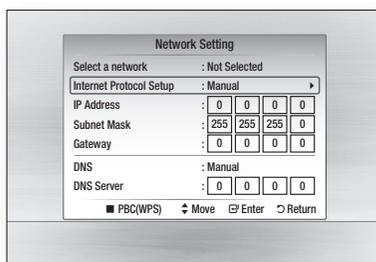
If the Auto Setting does not work, you need to enter the Network setting values manually.

To get the Network setting values from most Windows computers, follow these steps:

1. Right click the Network icon on the bottom right of the screen.
2. In the pop-up menu, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support tab, click the Details button. The Network settings are displayed.

To Enter the Network settings into your product, follow these steps:

1. On the Internet Protocol Setup screen, press the 确认 button.
2. Press the ▲▼ buttons to select **Manual**, and then press the 确认 button.
3. Press the ▼ button to go to the first entry field (IP Address).



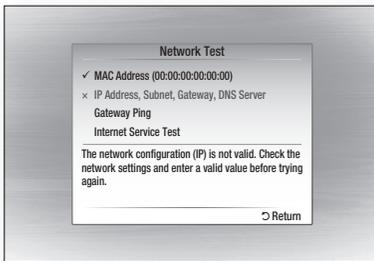
4. Use the number buttons to enter numbers.
5. When done with each field, use the ► button to move successively to the next field. You can also use the other arrow buttons to move up, down, and back.

Setup

6. Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.
7. Press the ▼ to go to **DNS**.
8. Press the ▼ button to go to the first DNS entry field. Enter the numbers as above.
9. When done, press the ▲ button to return to Access Point Selection. Select the network, and then press the 确认 button.
10. Go to Step 6 in the Automatic Wireless procedure above, and follow the directions from that point on.

Network Test

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



Network Status

Check whether a connection to the network and the Internet have been established.

BD-LIVE Internet Connection

Select whether to allow an Internet connection when you are using the BD-LIVE service.

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

NOTE

■ What is a valid certificate?

- When the product uses BD-LIVE to send the disc data and a 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 product.
- The Internet connection may be restricted while you are using BD-LIVE contents.

Language

You can select the language you prefer for the Home menu, disc menu, etc.

- **On-Screen Menu** : Select the language for the on-screen displays.
- **Disc Menu** : Select the language for the disc menu displays.
- **Audio** : Select the language for disc audio.
- **Subtitle** : Select the language for disc subtitles.

NOTE

- The selected language only appears if it is supported on the disc.

Security

When you operate this menu for the first time, the password setup screen appears.

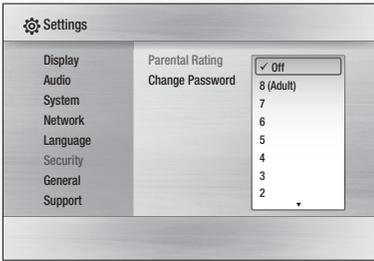
Enter a desired 4-digit password using the number buttons. The default password is set to 0000.

Parental Rating

The Parental Rating 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 can watch.

To use this function, select a rating level that restricts the product to playing discs with ratings appropriate for your family.

A larger number indicates that the program is intended for adult audiences only. When you select a rating number, you should select the highest rating number you want the product to be able to play. For example, if you select Level 6, the product will play discs rated 6 and below, and will not play discs rated Level 7 or 8.



Change Password

Change the 4-digit password used to access security functions.

If you forgot your password

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

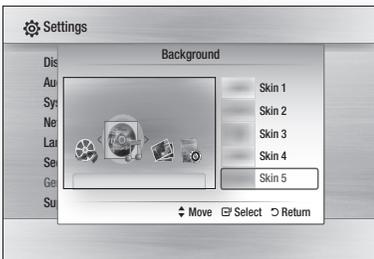
NOTE

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

General

Background

Change the background theme of the menu screen.



Front Display

Change the brightness of the front panel.

- **Auto** : Dim during playback.
- **Dim** : Dim the display window.
- **Bright** : Brighten the display window.

Power On/Off Sound

Play a melody when the product is turned on and off.

- **On** : Turn Power Sound On.
- **Off** : Turn Power Sound Off.

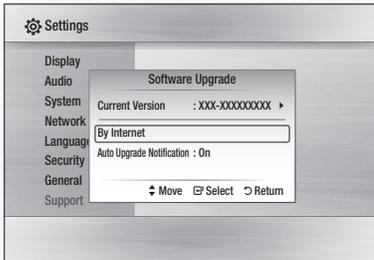
Light Effect

You can activate or deactivate the light effect on the top of the product.

- **Always On** : Activate Light Effect at all times.
Select this for retail display.
- **Auto** : Activate Light Effect when you turn the product on and off or when moving the tray.
Select when installing the product in your home.
- **Off** : Turn Light Effect off at all times.

Software Upgrade

This menu allows you to upgrade software for performance improvements or additional services. You can check the current software version, upgrade using the Internet and set the Auto upgrade notification. If the product is properly connected to the network by cable or wirelessly, the product automatically connects to Samsung's website each time it is turned on and downloads update files if any valid upgrade exists.



1. To select **By Internet**, press the **确认** button. A popup message will appear if an update is available, asking if you want to upgrade.
2. If you select **Yes**, the product turns off automatically, restarts and then begins the upgrade. (Do not turn it on manually here.)
3. The update progress popup will appear. When the update is complete, the product turns off again automatically.
4. Press the **电源** button to turn on the product.



NOTE

- The Update is complete when the product turns off after restarting. Press the **电源** button to turn on the updated product for your use. Never turn the product off or on manually during the update process.
- Samsung Electronics shall take no legal responsibility for product malfunction caused an unstable internet connection or consumer negligence during software upgrade.

You can also update software in any of the two

ways as follows: Software update is the same as in the **By Internet** menu.

- **USB** : Visit www.samsung.com/bluraysupport, then download and store the latest software (RUF file) onto a USB flash drive. Connect the USB flash drive to the USB port of the product (the disc tray must be empty) to update the software, then follow the on-screen instructions.
- **CD/DVD** : Visit www.samsung.com/bluraysupport, download and write the latest software (RUF file) onto a disc. Insert and play the disc in the product to start the update, then follow the on-screen instructions.



NOTE

- Software upgrades using the USB Host jack must be performed with no disc inside.
- If you want to cancel the upgrade in the process of downloading the upgrade data, press the **确认** button.
- When the system upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the product during the System Upgrade. It may cause the product not to work properly.
- Software upgrades using the USB Host jack must be performed with a USB memory flash stick only.

Contact Samsung

Provide contact information for assistance with your product.

Basic Functions

Playing a Disc

Playback

1. Press the **打开/关闭** () button to open the disc tray.
2. Place a disc gently into the tray with the disc's label facing up.
3. Press the **打开/关闭** () button to close the disc tray.
4. Press the **播放** () button.

Playback related buttons

播放 ()	Starts playback.
停止 ()	Stops playback. <ul style="list-style-type: none"> • If you press the button once : The stop position is memorized. • If you press the button twice : The stop position is not memorized.
暂停 ()	Pauses playback.

Disc Structure

The contents of disc are usually divided as below.

• Blu-ray Disc, DVD-VIDEO



• Audio CD (CD-DA)



• MP3, WMA, DivX, MKV and MP4



Using the Disc menu/Title menu/Popup menu

Using the Disc Menu



1. During playback, press the **碟片菜单** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **确认** button.



NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

Using the Title Menu



1. During playback, press the **标题菜单** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **确认** button.



NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

Playing the Title List



1. During playback, press the **碟片菜单** or **标题菜单** button.
2. Press the **▲▼** buttons to select an entry you want to play from Title List, then press the **确认** button.



NOTE

- If your disc has a playlist, press the **绿色 (B)** button to go to the Playlist.

Basic Functions

Using the Popup Menu

1. During playback, press the **弹出菜单** button on the remote control.
2. Press the **▲▼◀▶** buttons or **确认** button to select the desired menu.



NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

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 for a Desired Scene



- During playback, press the **搜索** (**◀▶**) button. Each time you press the **搜索** (**◀▶**) button, the playback speed changes as follows.

BD-ROM, BD-RE/-R, DVD-RW/-R, DVD+RW/+R, DVD-VIDEO	▶▶ 1 → ▶▶ 2 → ▶▶ 3 → ▶▶ 4 → ▶▶ 5 → ▶▶ 6 → ▶▶ 7 ◀◀ 1 → ◀◀ 2 → ◀◀ 3 → ◀◀ 4 → ◀◀ 5 → ◀◀ 6 → ◀◀ 7
DivX, MKV, MP4	▶▶ 1 → ▶▶ 2 → ▶▶ 3 ◀◀ 1 → ◀◀ 2 → ◀◀ 3

- To return to normal speed playback, press the **播放** (**▶**) button.

NOTE

- No sound is played during search mode.

Skipping Chapters



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

If you press the **跳过** (**▶▶**) button, the disc moves to the next chapter.

If you press the **跳过** (**◀◀**) button, the disc moves to the beginning of the chapter.

One more press makes the disc move to the beginning of the previous chapter.

Slow Motion Play/Step Motion Play

Slow Motion Play



- In pause mode, press the **搜索** (**▶▶**) button. Each time you press the **搜索** (**▶▶**) button, the playback speed is reduced as follows:
▶▶ 1/8 ▶▶ 1/4 ▶▶ 1/2
- To return to normal speed playback, press the **播放** (**▶**) button.

NOTE

- No sound is played during slow mode.
- Slow motion operates only in the forward direction
- Slow motion can not operate on DivX discs.

Step Motion Play



- In pause mode, press the **暂停** (**⏸**) button. Each time the **暂停** (**⏸**) button is pressed, a new frame appears.
- To return to normal speed playback, press the **播放** (**▶**) button.

NOTE

- No sound is played during step mode.
- Step motion operates only in the forward direction.
- Step motion can not operate on DivX discs.

Repeat Playback

Repeat the Title or Chapter



Repeat the disc title or chapter.

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

1. During playback, press the **重复** button on the remote control.



2. Press the **▲▼** buttons to select **Chapter** or **Title**, then press the **确认** button.



3. To return to normal play, press the **重复** button again.
4. Press the **▲▼** buttons to select **Off**, then press the **确认** button.

Repeat the Section



1. During playback, press the **重复** button on the remote control.



2. Press the **▲▼** buttons to select **Repeat A-B**.



3. Press the **确认** button at the point where you want repeat play to start (A).

4. Press the **确认** button at the point where you want repeat play to stop (B).
5. To return to normal play, press the **重复** button again.
6. Press the **确认** button.

NOTE

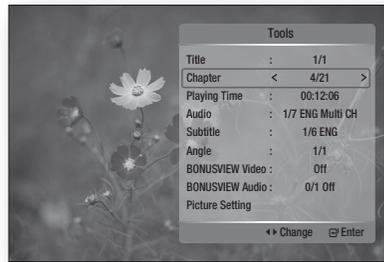
- If you set point (B) before 5 seconds has elapsed, the prohibition message will appear.

Using the 工具 button

During playback, you can operate disc menu by pressing the **工具** button.



• Tools Menu Screen



NOTE

- Depending on the disc, the Tools menu may differ.

Moving to a Desired Scene Directly



1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **Title**, **Chapter** or **Playing Time**.
3. Enter the desired **Title**, **Chapter** or **Playing Time** using the number buttons, then press the **确认** button.

Basic Functions

Selecting the Audio Language



You can also operate this function by pressing the **声道** button on the remote control.



1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **Audio**.
3. Press the **◀▶** buttons to select the desired audio language.

NOTE

- The **◀▶** indicator will not be displayed on the screen if the BONUSVIEW section does not contain any BONUSVIEW audio settings.
- Information about the primary / secondary mode will also be displayed if the Blu-ray Disc has a BONUSVIEW section. Use the **◀▶** button to switch between primary and secondary audio modes.
- This function depends on which 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.
- Some Blu-ray Discs may allow you to select either the multi-channel LPCM or Dolby digital audio soundtrack in English.
- If you press the **声道** button on the remote control, the Audio bar will be displayed. Press the **返回** button to remove the Audio bar.

Selecting the Subtitle Language



You can also operate this function by pressing the **字幕** button on the remote control.



1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **字幕**.
3. Press the **◀▶** buttons to select the desired subtitle language.

NOTE

- Depending on the Blu-ray Disc / DVD, you may be able to change the desired subtitle in the Disc Menu. Press the **碟片菜单** button.
- This function depends on which 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 also be displayed if the Blu-ray Disc has a BONUSVIEW 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.
- If you press the **字幕** button on the remote control, the subtitle bar is displayed. Press the **返回** button to remove the subtitle bar.

Changing the Camera Angle



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

1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **Angle**.
3. Press the **◀▶** buttons to select the desired Angle.

Selecting the Picture Setting



This function lets you adjust video quality when your product is connected to a TV via HDMI.

1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **Picture Setting**, then press the **确认** button.
3. Press the **◀▶** buttons to select the desired **Picture Setting**, then press the **确认** button.

- **Dynamic** : Choose this setting to increase Sharpness.
- **Normal** : Choose this setting for most viewing applications.
- **Movie** : This is the best setting for watching movies.
- **User** : You user can adjust the sharpness and noise reduction functions respectively.

Setting BONUSVIEW



The BONUSVIEW feature allows you to view additional content (such as commentaries) in a small screen window while the movie is playing. This function is only available if the disc has the Bonusview feature.

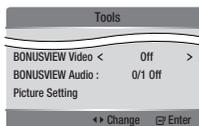
You can also operate this function by pressing the **画中画** button on the remote control.



1. During playback, press the **工具** button.
2. Press the **▲▼** buttons to select **BONUSVIEW Video** or **BONUSVIEW Audio**.
3. Press the **◀▶** buttons to select the desired bonusview.

NOTE

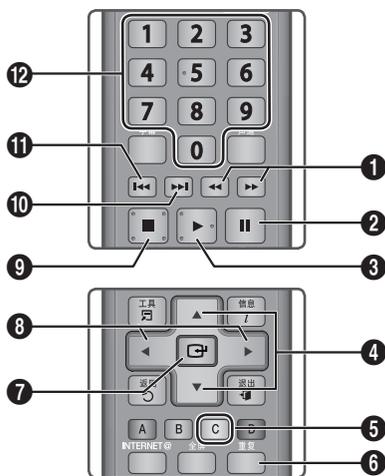
- If you switch from BONUSVIEW Video, BONUSVIEW Audio will change automatically in accordance with BONUSVIEW Video.



Listening to Music



Buttons on the Remote Control used for Music Playback



- 1 **搜索** buttons : Fast Play.
(Audio CD (CD-DA) only)
- 2 **暂停** button : Pauses playback.
- 3 **播放** button : Plays the currently selected track.
- 4 **▲▼** buttons : Selects a track in the Music List or Playlist.
- 5 **黄色 (C) 按钮** : Select or deselect a track in the music list.
- 6 **重复** button : Selects the play mode in the Playlist.
- 7 **确认** button : Plays and pauses the selected track.
- 8 **◀▶** buttons : Jump Play.
(except for the Audio CD (CD-DA))
- 9 **停止** button : Stops a track.
- 10 **跳过** button : During playback, moves to the next page in the Music List or moves to the next track in the Playlist.

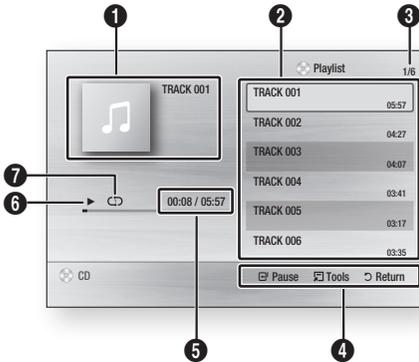
Basic Functions

- 11** **跳过** button : During playback, moves to the previous page in the Music List or moves to the previous track in the Playlist.
If you press this button after three seconds of playback in the Playlist, the current track is replayed from the beginning. But, if you press this button within three seconds after playback starts in the Playlist, the previous track is played.
- 12** **数字** buttons : During the Playlist playback, press the desired track number. The selected track is played.

Playing an Audio CD (CD-DA)/MP3

1. Insert an Audio CD (CD-DA) or an MP3 Disc into the disc tray.
 - Audio CDs (CD-DA) play automatically.
 - To start an MP3 disc, press the ◀▶ buttons to select **Music**, then press the **确认** button.

Audio CD (CD-DA)/MP3 Screen Elements



- | | |
|----------|---|
| 1 | Displays the music information. |
| 2 | Displays the playlist. |
| 3 | Display the current track/total tracks. |
| 4 | Displays control buttons available. |

- | | |
|----------|--|
| 5 | Shows the current play time/total play time. |
| 6 | Displays the current playback status |
| 7 | Displays the repeated playback status. |

2. Press the ▲▼ buttons to select the track you want to play, and then press the **确认** button.

Repeat an Audio CD (CD-DA)/MP3

1. During the Playlist playback, press the **重复** button. 
2. Select the desired play mode by pressing the **重复** button repeatedly.

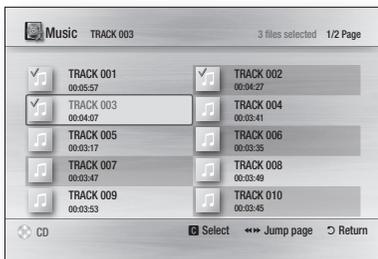
Off	Audio CD (CD-DA)/MP3	Tracks on a disc are played in the order in which they were recorded on the disc.
(↺) Track	Audio CD (CD-DA)	Current track is repeated.
(↺) One	MP3	Current track is repeated.
(↺) All	Audio CD (CD-DA)/MP3	All tracks are repeated.
(↻) Shuffle	Audio CD (CD-DA)/MP3	The random option plays a disc's tracks in random order.

Playlist

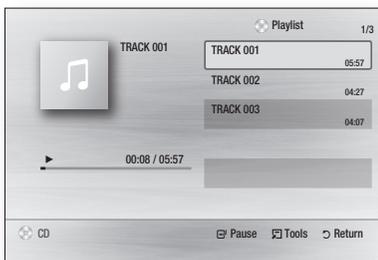
1. Insert an Audio CD (CD-DA) or an MP3 Disc into the disc tray.
 - Audio CDs (CD-DA) play automatically.
 - To start an MP3 disc, press the ◀▶ buttons to select **Music**, then press the **确认** button.
2. To move to the Music List, press the **停止** (■) or **返回** button.
The Music List screen is displayed.

- Press the ▲▼◀▶ buttons to move desired track, then press the 黄色 (C) button to check desired tracks.

Repeat this procedure to select additional tracks.



- If there is an undesired track in the playlist, press the 黄色 (C) button again. The selected track is deleted.
- Press the 确认 button to play the selected tracks. Selected tracks play automatically play.



- To go to the Music List, press the 停止 (■) or 返回 button.
- To go to the Playlist, press the 确认 button.

NOTE

- You can create a playlist with up to 99 tracks on Audio CD (CD-DA).

Playing back a Picture



Playing a JPEG Disc

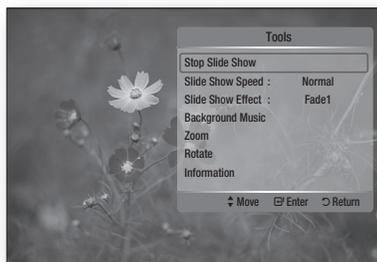
- Insert a JPEG disc into the disc tray.
- Press the ◀▶ buttons to select **Photos** and then press the 确认 button.
- Press the ▲▼◀▶ buttons to select the folder you want to play, and then press the 确认 button.
- Press the ▲▼◀▶ buttons to select the photo you want to play, and then press the 确认 button. The Slide Show starts automatically.

NOTE

- You can't enlarge the subtitle and PG graphic in the full screen mode.

Using the 工具 button

During the slide show playback, you can use various function by pressing the 工具 button.



- Stop Slide Show** : Select if you want to stop the slide show.
- Slide Show Speed** : Select if you want to adjust the Slide Show speed.
- Slide Show Effect** : Select if you want to set the Slide Show Effect.
- Background Music** : Select if you want to listen to music while viewing a picture.

Basic Functions

- **Zoom** : Select if you want to enlarge the current picture. (Enlarged up to 4 times)
- **Rotate** : Select if you want to rotate the picture. (This rotates the picture either clockwise or counter clockwise.)
- **Information** : Shows the picture information including the name and size, etc.

NOTE

- To enable the Background Music function, both music and MP3 files must be contained in the same folder. However, the sound quality can be affected by the bit rate of the MP3 file, the size of the photo and the encoding method.

Playing back a USB Storage Device

You can use the USB connection to play multimedia files (MP3, JPEG, DivX, etc.) downloaded from a USB storage device.

1. Move to the Home menu.
2. In Stop mode, connect the USB storage device to the USB port on the front panel of the product.
The message "Do you want to access the device?" is displayed.
3. Press the ◀▶ button to select **Yes**, then press the 确认 button.
4. Press the 红色 (A) button or the 蓝色 (D) button.
If you pressed the 红色 (A) button, go to Step 5.
If you pressed the 蓝色 (D) button, go to Step 4-1.



5. Press the ▲▼ buttons to select USB, then press the 确认 button.
6. Press the ◀▶ buttons to select the desired Videos, Music or Photos, then press the 确认 button. Go to Step 7.
- 4-1. Press the 蓝色 (D) button, the screen below appears. Go to 5-1.



- 5-1. Press the ◀▶ buttons to select USB, then press the 确认 button.
- 6-1. Press the ▲▼ buttons to select the desired Videos, Music or Photos, then press the 确认 button.
7. For playing back Video, Music or Photo files, refer to pages 45~52.

NOTE

- You must remove the USB storage device safely (by performing the "Safe to Remove USB" function) to prevent possible damage to the USB memory. Press the 菜单 button to move to the Home menu, Then, press the 黄色 (C) button and then press the 确认 button.
- When Audio-CD (CD-DA), MP3 and JPEG files are in stop mode, the 全屏 button on the remote does not work.
- If you insert the a disc when playing a USB storage device, the device mode is changed to "DVD or CD" automatically.

Network Services

You can enjoy various network services such as Internet@TV or BD-LIVE by connecting the product to your network.

Check the following instructions before using any network service.

1. Connect the product to the network.
(See pages 27~28)
2. Configure the network settings.
(See pages 38~42)

Using Internet@TV

Connect this product to the network to download various for a fee or free-of-charge applications. Internet@TV brings useful and entertaining content and services directly from the web to your product such as news, weather forecasts, stock market quotes, games, movies and music.

You can also initiate this function by pressing the **INTERNET@** button on the remote control.



Getting Started with Internet@TV

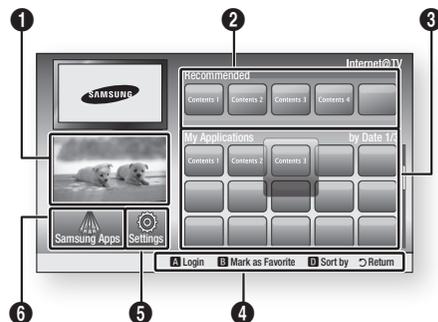
1. Move to the Home menu.



2. Press the ◀▶ buttons to select **Internet@TV** and press the 确认 button.
3. In the start screen of the Internet@TV service, you will see the service agreement screen. You must agree to the service terms and conditions before you can use the Internet@TV service.

4. After you have signed off on the service agreement, the Internet@TV service starts updating. It takes several minutes. When the update is complete, you will see the Internet@TV menu screen.

Internet@TV at a Glance



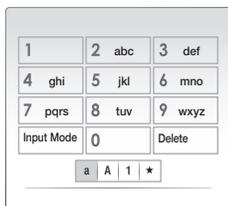
- 1 **Commercial** : Displays Internet@TV Guide, product introduction and new application introduction.
- 2 **Recommended** : Displays recommended contents managed by Samsung.
- 3 **My Applications** : Displays your personal gallery in which you can add and delete applications.
- Navigation Help** : Displays remote control buttons available.
 - 红色 (A) : To log in to Internet@TV.
 - 绿色 (B) : To mark the application as a favourite.
 - 蓝色 (D) : To sort the applications.
 - 返回 : To return to the previous menu.
- 5 **Settings** : You can set up the system and create accounts, etc.
- 6 **Samsung Apps** : You can download various for a fee or free-of-charge application services.

Network Services

Using the Keypad

Through your remote, you can use the On-Screen Keypad in several Internet@TV applications to enter text.

Pressing the **字幕** button on the remote while you are using the Screen Keypad lets you change the text fields to lower case, upper case, numbers and icons.



For example, here is how to use the Keypad to search for an address in Google Maps:

1. Press the **确认** button on the remote at the Google Maps icon at the Internet@TV.
2. Press the **绿色 (B)** button to use the SEARCH function.
3. Press the **◀▶** buttons to move to the "Search or address" window.
4. Press the **确认** button to use Search or address function.
5. For example, suppose that you want to input '105 Challenger Rd., Ridgefield Park NJ'.
6. Press the **字幕** button on the remote twice to change the input mode from lower case to numbers.
7. Press '1', '0', '5'.
8. Press the **黄色 (C)** button on the remote to input a blank space.
9. Press the **字幕** button on the remote 3 times to change the input mode from numbers to upper case.
10. Press '2' button on the remote 3 times to input **C**.
11. Press the **字幕** button on the remote 3 times to change the input mode from upper case to lower case.
12. Press buttons on the remote to input the rest of 'Challenger Rd., Ridgefield Park NJ'.
13. Press the **确认** button.
14. The map and address appear on the screen.

NOTE

- Samsung Electronics shall take no legal responsibility for any interruption of the Internet@TV service caused by the service provider for any reasons.
- The Internet@TV service is to download and process data via the Internet so that you can enjoy the contents on the TV screen.
If the Internet connection is unstable, the service may be delayed or interrupted.
Furthermore, the product may be turned off automatically. If this is the case, check the Internet connection and try again.
- The application service may be provided in English only and the contents available may vary, depending on the area.
- When you use an application service, the **全屏** button on the remote control does not operate.
- For more information about the Internet@TV service, visit the web site of the applicable service provider.
- The services provided are subject to change, depending on the Internet@TV service provider.
- The Internet@TV service contents may differ according to the firmware version.
- For-a-fee DivX contents with copy protection can only be played using HDMI cable.
If you have connected your product to your TV using Component or video cables, the DivX video signal can not output or the popup message "Connect with a HDMI cable to play this file." or "Cannot play current file" will be displayed.

Account Login

For a more enjoyable application experience, register and log in to your account.

To do this, you must create an account first. (For instructions on creating an account, refer to Internet@TV ID on this page)

1. Press the ▲▼◀▶ buttons to select the desired application and press the 红色 (A) button.

2. Enter the user account and password.

Settings

Create IDs and configure Internet@TV settings on this screen.

System Setup

Reset

Resets Internet@TV settings to factory default settings.

NOTE

- If you forgot your password, press the 停止 (■) button on the front panel of the product for more than 5 seconds with no disc inserted.

Internet@TV ID

Use this menu to create or delete an account and enter or delete account information.

You can control your account including contents site's account information.

This account is only for Internet@TV.

Create

Create an account and link it with desired service applications.

NOTE

- The account name must be at least 1 character in length but no more than 8.
- You can register up to 10 User Account Names.

Manager

- **Service Site** : Register login information for service sites.
- **Change Password** : Change account name password.
- **Delete** : Delete the account name.

Network Services

Service Manager

Delete and lock applications installed to Internet@TV.

Lock

Lock the application. Accessing a locked application requires a password.

Delete

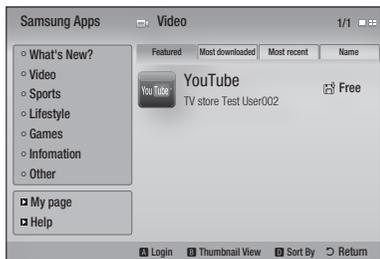
Delete the application.

Properties

Display information about Internet@TV. Use the "Check the speed of your internet connection" option to test your network connection.

Samsung Apps

Various applications are available from here, organized into different categories. Some applications have a download fee.



My page

Displays the application list.

Help

If you have questions about Internet@TV, check this section first. If none of the tips apply, please visit the help website.

Using the colour buttons with the Samsung Apps

- **红色 (A) (Login)** : To log in to the internet service.
- **绿色 (B) (Thumbnail View)** : To change the view mode.
- **蓝色 (D) (Sort By)** : To sort the applications by Featured, Most Downloaded, Most Recent or Name.

NOTE

- The available Internet contents services may be added or deleted.

BD-LIVE™

Once the product is connected to the network, you can enjoy various movie-related service contents using a BD-LIVE compliant disc.

1. Check the size of the remaining memory.
The memory device must have at least 1GB of free space to accommodate the BD-LIVE services.
2. Insert a Blu-ray disc that supports BD-LIVE.
3. Select an item from various BD-LIVE service contents provided by the disc manufacturer.

NOTE

- The way you use BD-LIVE and the provided contents may differ, depending on the disc manufacturer.

Software Upgrade Notification

When connected to the network, the product can notify you if a new software version is available.

1. Turn on the product.
2. In the Software Upgrade menu, set Auto Upgrade Notification to **On**. (See page 44)
If there is a new software version available, the product notifies you with a popup message.
3. To upgrade the firmware, select **Yes** on the Pop-up. The product turns off automatically, then restarts, and begins the download. (Never turn on the product manually here.)
4. The update progress popup appears. When the update is complete, the product turns off again automatically.
5. Press the **电源** button to turn on the product.

NOTE

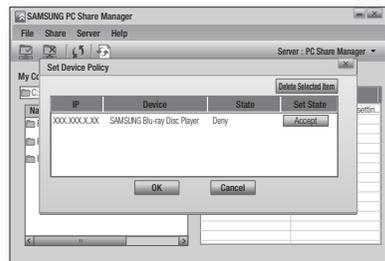
- Update is complete when the product turns off after restarting. Press the **电源** button to turn on the updated product for your use.
Never turn the product off or on manually during the update process.
- Samsung Electronics shall take no legal responsibility for product malfunction caused by unstable of internet connection or consumer negligence during software upgrade.

Using the AllShare Function

AllShare lets you play music, video and photo files in your PC using the product.

To use AllShare, you must connect the product to your PC via the network (See pages 27~28) and install the SAMSUNG PC Share Manager on the PC. To install and use Share Manager, follow these steps.

1. Visit the Samsung website at www.samsung.com.
2. Download the SAMSUNG PC Share Manager and install it on your PC.
3. When the installation is complete, you will see the SAMSUNG PC Share Manager icon on your desktop.
Double-click the icon to launch the application.
4. Select a folder to share from the My computer pane, and click the **Share Folder Enabled icon** ().
(To remove a shared folder : Select a folder to remove from the shared folders, and click the **Share Folder Disabled icon** ().)
5. To apply the updated sharing state to the server, click the **Set Change State icon** ().
6. To enable the product to locate a PC server, click **Share** from the menu bar.
Click **Set Device Policy** and click **Accept**.



7. Click the **Set Change State icon** () and move to the home menu on product.

Network Services

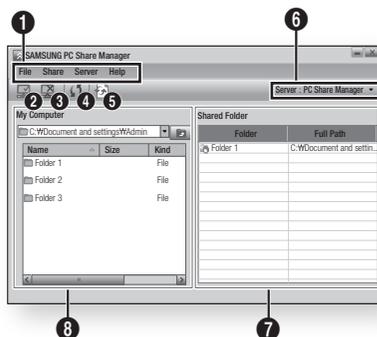
8. To select a device, use the **红色 (A)** or **蓝色 (D)** button to select a file to play.
(For playing back Video, Music or Photos files, see pages 45~52.)



NOTE

- Depending on the performance of the external modem or router, HD video may not play properly.
- If your system uses a firewall, the product may not locate your PC on the TV screen.
- AllShare does not support the following functions.
 - The Background Music and Background Music Setting functions.
 - Sorting files by preference in the Photo, Music and Movie folders.
 - The Change Group function.
 - The Safe Remove function.
- The Sorting method may differ depending on the server function.
- The search and skip operation may differ depending on the server function.
- During video playback, play time is not display.
- To use the AllShare function, please place both this product and PC in same subnet.

AllShare Program at a Glance



1	Menu Bar
2	Share Folder Enabled icon : Use this if you want to select a folder in your PC to share.
3	Share Folder Disabled icon : Use this if you want to set folder sharing off.
4	Refresh icon : Use this if you want to refresh list of folders and files in My Computer.
5	Set Change State icon : Select a folder to share and don't forget to press this button. The updated state will be applied to the server.
6	Server : Displays the name of the sharing server.
7	Shared Folder : Displays a list of the shared folders.
8	My Computer : Displays a list of the folders and files in the PC.

Troubleshooting

Before requesting service, please check the following.

PROBLEM	SOLUTION
No operation can be performed with the remote control.	<ul style="list-style-type: none"> • Check the batteries in the remote control. They may need replacing. • Operate the remote control at a distance of no more than 6.1m. • Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall batteries and try to operate the remote control again.
Disc does not play.	<ul style="list-style-type: none"> • Ensure that the disc is installed with the label side facing up. • Check the region number of the Blu-ray Disc/DVD.
Disc Menu does not appear.	<ul style="list-style-type: none"> • Ensure that the disc has disc menus.
The prohibition message appears on the screen.	<ul style="list-style-type: none"> • This message appears when an invalid button is pressed. • The Blu-ray Disc/DVD's software doesn't support the feature (e.g., angles) • You've requested a title or chapter number or search time that is out of range.
Play mode differs from the Setup Menu selection.	<ul style="list-style-type: none"> • Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.
The screen ratio cannot be changed.	<ul style="list-style-type: none"> • The screen aspect ratio is fixed on your Blu-ray Disc/DVDs. • This is not a problem with the product.
No audio.	<ul style="list-style-type: none"> • Make sure you have selected the correct Digital Output in the Audio Options Menu.
The screen is blocked	<ul style="list-style-type: none"> • Press the 停止 (■) button (on the front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings. • When the factory default settings are restored, all the stored user BD data is deleted.
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 停止 (■) button (on front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings. • When the factory default settings are restored, all the stored user BD data is deleted.

Appendix

PROBLEM	SOLUTION
Forgot password	<ul style="list-style-type: none"> • Press the 停止 (■) button (on the front panel) for more than 5 seconds with no disc inside. All settings including the password will revert to the factory settings. Don't use this unless absolutely necessary. • When the factory default settings are restored, all the user data stored in the BD data will be deleted.
If you experience other problems.	<ul style="list-style-type: none"> • Go to the contents and find the section of the user manual that contains the explanations regarding the current problem, and follow the procedure once again. • If the problem still cannot be solved, please contact your nearest Samsung authorized service centre.
The picture is noisy or distorted	<ul style="list-style-type: none"> • Make sure that the disc is not dirty or scratched. • Clean the disc.
No HDMI output.	<ul style="list-style-type: none"> • Check the connection between the TV and the HDMI jack of the product. • Check if your TV supports 576p/480p, 720p, 1080i or 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).
PC Share Manager function	
I can see folders shared through the PC Share Manager, but I cannot see the files.	<ul style="list-style-type: none"> • Since Share Manager shows only Image, Music and Movie files, files that do not correspond to these categories are not displayed.
AllShare function	
Video is played intermittently.	<ul style="list-style-type: none"> • Check if the network is stable. • Check if the network cable is properly connected and if the network is not overloaded. • Wireless connection between the server and the product is unstable. Check the connection.
AllShare connection between TV and PC is unstable.	<ul style="list-style-type: none"> • IP addresses under the same sub-network should be unique, otherwise IP collision can occur as a result. • Check if you have a firewall enabled. If so, disable the firewall function.

PROBLEM	SOLUTION
BD-LIVE	
I cannot connect to the BD-LIVE server.	<ul style="list-style-type: none"> • Check whether the network connection is successful or not by using Network Test menu. (See page 42) • Check whether a USB memory device is connected to product or not. • The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management. (See page 37) • Please check whether the BD-LIVE Internet Connection menu is set to Allow (All). • If all above fails, contact the contents provider or update to the latest firmware.
When using the BD-LIVE service, an error occurs.	<ul style="list-style-type: none"> • The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management. (See page 37)

NOTE

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

Viewing TV using 3D function

Important safety Information. Read the following warnings before you or your child use the 3D function.

- The pregnant, elderly and epileptic and those suffering from a weak heart or serious carsickness are advised to avoid watching 3D pictures.
- We don't recommend 3D pictures to those who are in bad physical condition, who are sleep-deprived or who drank liquor. Some 3D pictures may startle viewers.
- Do not place a sharp-edged or easily breaking object around you when playing a 3D video.
If you feel and respond your body to the 3D video like it's real, you can break the object around you or be physically damaged.
- Photosensitive Seizure Warning and Other Health Risks
 - Some viewers may experience an epileptic seizure or stroke when exposed to certain flashing images or lights contained in certain television pictures or video games. If you or any of your relatives has a history of epilepsy or strokes, please consult with a medical specialist before using the 3D function.
 - If you have any one of the following symptoms or conditions while watching 3D pictures, stop watching immediately and rest: dizziness, eye or facial instability, involuntary movement, cramps, clouded consciousness, mental disorder, disorientation or nausea. (If the symptom persists, please consult a medical specialist.)
 - In particular, children or teenagers need parent care and guard when they watching the 3D video.
 - Do not watch 3D pictures when you feel incoherent, sleepy, tired or sick. Avoid watching 3D pictures for long hours.

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Specifications

General	Weight	1.8 Kg
	Dimensions	430 (W) × 205 (D) × 43 (H) mm
	Operating Temperature Range	+5°C to +35°C
	Operating Humidity Range	10 % to 75 %
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 : 12cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.
	CD : 8cm (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 (75Ω load) Blu-ray/DVD Disc : 576i/480i
	Component Video	Y : 1.0 Vp-p (75Ω load) P _R : 0.70 Vp-p (75Ω load) P _B : 0.70 Vp-p (75Ω load) Blu-ray Disc : 1080i, 720p, 576p/480p, 576i/480i DVD : 576p/480p, 576i/480i
Video/Audio	HDMI	2D : 1080p, 1080i, 720p, 576p/480p 3D : 1080p, 720p PCM multichannel audio, Bitstream audio
Audio Output	2 Channel	L(1/L), R(2/R)
	7.1 Channel	F/L, F/R, R/L, R/R, C/T, S/W, SBR, SBL
	Digital Audio Output	Optical
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	110 dB
	*Dynamic Range	100 dB
	*Total Harmonic Distortion	0.003%

*: Nominal specification

- Design and specifications are subject to change without prior notice.
- For the power supply and power consumption, refer to the label attached to the product.
- Weight and dimensions are approximate.

Appendix

Compliance and Compatibility Notice

NOT ALL discs are compatible

- Subject to the restrictions described below and those noted throughout this Manual, including the Disc Type and Characteristics section of this user manual, disc types that can be played are: pre-recorded commercial BD-ROM, DVD-VIDEO, and Audio CD (CD-DA) discs; BD-RE/-R, DVD-RW/-R discs; and CD-RW/-R discs.
- Discs other than the above cannot and/or is not intended to be played by this product. And some of the above discs may not play due to one or more reasons provided below.
- Samsung cannot assure that this product will play every disc bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+ R and CD-RW/-R logos, and this product may not respond to all operating commands or operate all features of every disc. These and other disc compatibility and product operation issues with new and existing format discs are possible because:
 - Blu-ray is a new and evolving format and this product may not operate all features of Blu-ray Discs because some features may be optional, additional features may have been added to the Blu-ray Disc format after the production of this product, and certain available features may be subject to delayed availability;
 - not all new and existing disc format versions are supported by this product;
 - new and existing disc formats may be revised, changed, updated, improved and/or supplemented;
 - some discs are produced in a manner that allows specific or limited operation and feature during playback;
 - some features may be optional, additional features may have been added after the production of this product or certain available features may be subject to delayed availability;
 - some discs bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+ R and CD-RW/-R logos may still be non-standardized discs;
 - some discs may not be played depending on their physical state or recording conditions;
 - problems and errors can occur during the creation of Blu-ray Disc, DVD software and/or the manufacture of discs;
 - this product operates differently than a standard DVD product or other AV equipment; and/or
 - for reasons noted throughout this user manual and for other reason(s) discovered and posted by SAMSUNG customer care centre.
- If you encounter disc compatibility or product operation problems, please contact SAMSUNG customer care centre.
You may also contact SAMSUNG customer care centre for possible updates on this product.
- For additional information on playback restrictions and disc compatibility, refer to the Precautions, Before Reading the user manual, Disc Types and Characteristics, and Before Playing sections of this user manual.

Copy Protection

- Because AAC (Advanced Access Content System) is approved as content protection system for Blu-ray Disc format, similar to use of CSS (Content Scramble System) for DVD format, certain restrictions are imposed on playback, analog signal output, etc., of AAC protected contents. The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AAC after the production of this product. Furthermore, BD-ROM Mark and BD+ are additionally used as content protection system for Blu-ray Disc format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AAC, BD-ROM Mark, BD+, or this product, please contact SAMSUNG customer care centre.

- Many Blu-ray Disc/DVD discs are encoded with copy protection. Because of this, you should only connect your Product directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected Blu-ray Disc/DVD discs.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, Blu-ray Discs, DVDs, and other materials may subject you to civil and/or criminal liability.
- **For Blu-ray Disc Player progressive scan output :** CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS PRODUCT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

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Appendix

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蓝光播放机 用户手册

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SAMSUNG

主要特性

Blu-ray 光盘特性

Blu-ray 光盘支持业界可提供的最高质量的 HD 视频 - 大容量意味着无损视频质量。另外，Blu-ray 光盘的大小和外观与 DVD 光盘一样。

以下 Blu-ray 光盘功能与光盘相关，并且会因光盘而异。

外观和功能导航也会因光盘而异。

并非所有光盘都具有下面所述的功能。

视频要点

BD-ROM 格式支持三种非常先进的视频编解码器，包括 AVC、VC-1 和 MPEG-2。

HD 视频分辨率也可用：

- 1920 x 1080 高清晰度
- 1280 x 720 高清晰度

用于高清播放

要观看 Blu-ray 光盘上的高清内容，需要 HDTV（高清电视）。一些 Blu-ray 光盘可能需要使用产品的 HDMI OUT（HDMI 输出）才能观看高清内容。根据电视的分辨率，观看 Blu-ray 光盘上的高清内容的能力可能会受到限制。

互动

一些 Blu-ray 光盘可能包含动态菜单和益智问答游戏。

用户可浏览的幻灯片

使用 Blu-ray 光盘，您可以在背景播放音频的同时浏览静止图片。

字幕

根据 Blu-ray 光盘上包含的内容，您可能可能可以为字幕选择不同的字体样式、大小和颜色。字幕也可能具有具有动态、可滚动或淡入淡出效果。

BD-LIVE

可以使用支持 BD-LIVE 的 Blu-ray 光盘以通过网络连接下载光盘制造商提供的内容。

Blu-ray 光盘播放机功能

Internet@TV

可以通过网络连接下载各种付费或免费应用程序。通过这些应用程序，您可以访问互联网服务和内容，例如新闻、天气预报、股市行情、游戏、电影和音乐。

3D

本产品可以通过 HDMI 电缆播放 3D 内容。要实现 3D 效果，请将 3D 设备（3D 兼容 AV 接收机，3D 兼容电视）连接至产品，然后在佩戴 3D 幻觉眼镜后播放 3D 内容。

安全信息

警告

为减少电击的危险，请勿卸下机盖（或背面机盖）。
内部没有用户可维修的部件。请让合格的维修人员进行维修。

	注意 有电击的危险，请勿打开。	
三角形内的闪电和箭头是一个警告符号，提醒您产品内含“危险电压”。	注意： 为减少电击的危险，请勿卸下机盖（或背面机盖）。内部没有用户可维修的部件。请让合格的维修人员进行维修。	三角形内的感叹号是一个警告符号，提醒您产品随附的重要说明。

不要将本产品安装在狭窄的空间中，例如书橱或类似的装置中。

警告

为避免可能导致火灾或电击危险的损害，请勿将此产品放在在雨中或潮湿环境下。

注意

Blu-ray 光盘播放机使用不可见的激光光线，如果被其直射，可能会处于危险的辐射之中。请务必根据指示正确操作 Blu-ray 光盘播放机。

注意

本产品使用激光。如果不按此处规定的控制、调校或操作过程进行操作，则可能会处于危险的辐射之中。不要打开盖子，也不要自行修理。请让合格的人员进行维修。

当使用屏蔽电缆和接头将装置连接至其他设备时，本产品符合 CE 规定。要防止来自收音机和电视等电子设备的电磁干扰，请使用屏蔽电缆和接头进行连接。

重要说明

本设备的电源插头配备含保险丝的压模插头。保险丝的值在插头的插脚面指示。

如果需要更换，必须使用经过 BS1362 核准的额定值相同的保险丝。

如果保险丝盖子可拆，那么在没有保险丝盖子的情况下，切勿使用插头。如果需要替换保险丝盖子，则其颜色必须与插头的插脚面颜色相同。替换盖子可向经销商购买。

如果插头不适合家中的电源点，或者电线不够长，不能连接到电源点，那么必须购买合适的获得安全批准的延长线，或者咨询经销商以获得帮助。

但是，如果除了剪断插头以外别无他法，请取出保险丝，然后安全地弃置插头。不要将插头连接至电源插孔，因为裸露的活动电线存在电击的风险。要使装置与电源断开连接，必须从电源插座拔出插头，因此，电源插头必须易于操作。

附带提供本用户手册的产品装置获得特定第三方的特定知识产权许可。此许可证限制为最终用户消费者对许可内容进行私人非商业使用。

未授予任何进行商业使用的权限。

该许可证不包括本产品装置以外的任何产品装置，并且该许可证不延伸至任何与本产品装置搭配使用或售出的符合 ISO/IEC 11172-3 或 ISO/IEC 13818-3 的任何未授权产品装置或过程。该许可证只包括使用本产品装置来对符合 ISO/IEC 11172-3 或 ISO/IEC 13818-3 的音频文件进行编码和/或解码。该许可证未授予对不符合 ISO/IEC 11172-3 或 ISO/IEC 13818-3 的产品功能部件或功能的权限。

安全信息

注意事项

重要安全说明

使用装置前请仔细阅读这些操作说明。请按照下面列出的安全说明操作。请将这些操作说明放在方便处，以供将来参考。

1. 请阅读这些说明。
2. 请妥善保管这些说明。
3. 注意所有警告。
4. 请遵循所有说明。
5. 切勿在近水处使用本设备。
6. 清洁时只使用干布。
7. 请勿堵塞任何通风口。根据厂商的说明进行安装。
8. 不要将本设备安装在任何靠近热源例如电暖炉、暖气片、电炉，或其它（包括放大器）会产生热气的设备。
9. 请勿忽略极化或接地型插头的安全保护用途。极化型插头具有两边。接地型插头具有两边和第三端接地插脚。该宽边或第三端插脚是为您的安全而提供的。如果所提供的插头不适用于您的插座，请联系电工更换旧插座。
10. 保护电线以防践踏或被挤压，特别是插头处、便利插座处以及设备接出处的电线。
11. 只使用厂商指定的附加装置/附件。
12. 仅可使用厂商指定或随设备出售的运载车、支架、三脚架、支架或工作台。使用运载车时，请小心避免在移动运载车/设备组合时翻覆。



13. 在雷雨天气或长时间不用的情况下，请拔下本设备的插头。
14. 所有维修均应由合格的维修人员执行。设备在具有任何方式的损坏时需要维修服务、例如电源线或插头损坏、设备内溅入液体或落入杂物、设备曾淋雨或浸水无法正常操作、或是跌落。

光盘储藏和管理

光盘处理

光盘形状

- 使用形状规则的光盘。如果使用形状不规则的光盘（异形的光盘），则可能会损坏本产品。



拿取光盘

- 避免触摸录制内容的光盘表面。



Blu-ray 光盘

- 如果长时间不使用本产品，请从产品中取出 Blu-ray 光盘并将它储藏于封套中。
- 请务必小心，不要在 Blu-ray 光盘的表面留下指纹或划痕。

DVD-VIDEO、音频 CD (CD-DA)

- 用柔软的布料擦去光盘上的灰尘或脏物。

光盘储藏

请务必小心，不要损坏光盘，因为这些光盘上的数据很容易受到环境影响。

- 不要放在阳光直射处。
- 应放在阴凉通风处。
- 垂直储藏。
- 放在干净的保护套内。
- 如果突然将产品从很冷的地方移到很暖和的地方，操作部件和镜头可能会产生冷凝，从而导致光盘播放异常。如果发生这种情况，请等待两个小时，然后再将插头连接至电源插座。然后插入光盘并再次尝试播放。

处理注意事项

- 不要用圆珠笔或铅笔在印刷面上写字。
- 不要使用录制清洁喷剂或防静电剂。另外，不要使用苯和稀释剂等挥发性化学品。
- 不要将标签或贴纸贴到光盘上。（不要使用附有裸露的胶布或残留脱落的贴纸的光盘。）
- 不要使用防刮花保护膜或罩。
- 不要使用通过市面上可购买到的标签印刷机印制的光盘。
- 不要装入变形或刮花的光盘。
- 在将其他组件连接到本产品之前，请务必将它们关闭。
- 正在播放光盘时不要移动产品，因为光盘可能会被刮花或损坏，或者产品的内部零件可能会被损坏。
- 不要将盛满水的花瓶或任何其他细小金属物放在产品上。
- 请务必小心，不要将手放入光盘托架中。
- 不要将光盘以外的任何物体放在光盘托架上。
- 闪电和静电等外部干扰可能会影响本产品的正常操作。如果出现这种情况，请使用电源按钮关闭然后重新打开产品，或者从交流电源插座拔下交流电源线，然后重新连接。产品将可正常操作。

- 在使用后，请务必取出光盘并关闭产品。
- 如果有一段时间不会使用本产品，请从交流插座拔下交流电源线。
- 要清洁光盘，请由内向外沿直线擦拭光盘。
- 不要使产品碰到任何液体。
- 当将交流插头连接到墙上插座时，本产品在关闭后仍通电（待机模式）。
- 不要将装置放在会滴水或溅水的地方，同时不要将装有水的物品（如花瓶）放在装置上面。
- 将电源插头用作断开连接设备，它应该随时都可操作。



机壳维护

为了安全起见，请务必在清洁前从交流插座拔下交流电源线。

- 不要使用苯、稀释剂或其他溶剂进行清洁。
- 使用柔软的干布擦拭机壳。

播放限制

- 本产品可能不能响应所有操作命令，因为一些 Blu-ray、DVD 和 CD 光盘在操作期间只允许特定或有限的操作和功能。请注意，这不是产品的缺陷。
 - Samsung 不能保证本产品可播放带有 Blu-ray 光盘、DVD 或 CD 徽标的每张光盘，因为光盘格式不断发展，并且在制作 Blu-ray 光盘、DVD 和 CD 软件和/或生产光盘时可能出现问题和发生错误。
- 如果您在使用本产品播放 Blu-ray、DVD 或 CD 时遇到问题或困难，请与 SAMSUNG 客户中心联系。另外，请参阅本用户手册的余下部分以获取有关播放限制的其他信息。

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开始使用

在使用用户手册之前

可以播放的光盘类型和内容。

术语	徽标	图标	释义
BD-ROM			这涉及在 BD-ROM 上可用的功能。
BD-RE/-R			这涉及在以 BD-RE 格式录制的 BD-RE/-R 光盘上可用的功能。
DVD-VIDEO			这涉及在 DVD-VIDEO 上可用的功能。
DVD-RW(V)			这涉及在已录制且已最终化的已录制 DVD+RW 或 DVD-RW(V)/DVD-R/+R 光盘上可用的功能。
DVD-R			
DVD+RW			
DVD+R			
音频 CD			这涉及在音频 CD-RW/-R (CD-DA 格式) 上可用的功能。
MP3 WMA	-		这涉及在包含 MP3 或 WMA 内容的 CD-RW/-R、DVD-RW/-R 光盘或 USB 存储媒体中可用的功能。
JPEG	-		这涉及在包含 JPEG 内容的 CD-RW/-R、DVD-RW/-R 光盘或 USB 存储媒体中可用的功能。
DivX MKV MP4	-		这涉及在包含 DivX、MKV 和 MP4 内容的 CD-RW/-R、DVD-RW/-R 光盘或 USB 存储媒体中可用的功能。

注

- 由于光盘类型或录制条件，产品可能无法播放某些 CD-RW/-R 和 DVD-R。
- 如果未以 DVD 格式正确录制 DVD-RW/-R 光盘，则它将不可播放。

不能播放的光盘类型

- HD DVD
- DVD-ROM/PD/MV 光盘等等
- DVD-RAM
- 超级音频 CD (CD 层除外)
- DVD-RW (VR 模式)
- CVD/CD-ROM/CDV/CD-G/CD-I/LD (CD-G 只能播放音频，不能播放视频。)
- 用于创作的 3.9 GB DVD-R 光盘。

 注

- 在您所在地区之外购买一些商业光盘和 DVD 光盘可能无法使用本产品播放。播放这些光盘时，“This disc can not be played.”或“Cannot read this disc. Please check the regional code of the disc.”将会显示。
- 对于某些类型的光盘，或者正在执行特定功能（例如更改角度和调整宽高比）时，播放功能可能不起作用。
光盘的相关信息在光盘盒上详细说明。如果需要，请参阅此信息。
- 不要使光盘变脏或刮花。
录制面上的指纹、污物、灰尘、划痕或香烟灰会使光盘无法进行播放。
- 播放 BD-J 标题时，加载时间可能比普通标题长一些，或者一些功能可能运行速度较慢。
- 本产品可能不能响应所有操作命令，因为一些 Blu-ray、DVD 和 CD 光盘在操作期间只允许特定或有限的操作和功能。
请注意，这不是产品的缺陷。
- Samsung 不能保证本产品可播放带有 Blu-ray 光盘、DVD 或 CD 徽标的每张光盘，因为光盘格式不断发展，并且在制作 Blu-ray 光盘、DVD 和 CD 软件和/或生产光盘时可能出现问题和发生错误。
如果您在使用本产品播放 Blu-ray、DVD 或 CD 时遇到问题或困难，请与 SAMSUNG 客户中心联系。另外，请参阅本用户手册的余下部分以获取有关播放限制的其他信息。

Blu-ray 光盘兼容性

Blu-ray 光盘是新的发展格式。相应地，可能会存在光盘兼容性问题。并非所有光盘都兼容，并且不是每张光盘都可播放。有关其他信息，请参阅本用户手册中的“符合性和兼容性声明”一节。

光盘类型

BD-ROM

此 Blu-ray 光盘只能播放。
本产品可以播放预先录制的商业 BD-ROM 光盘。

BD-RE/-R

此 Blu-ray 光盘可以录制和播放。
本产品可以播放其他兼容的 Blu-ray 光盘录制机录制的 BD-RE/-R 光盘。

DVD-VIDEO

- 本产品可以播放含有电影的预先录制的商业 DVD 光盘（DVD-VIDEO 光盘）。
- 从双层 DVD-VIDEO 光盘的第一层切换到第二层时，图像和声音可能会瞬间失真。这不是产品功能异常。

DVD-RW

本产品可以播放使用 DVD 视频录制机录制并最优化最终化的 DVD-RW 光盘。播放能力可能取决于录制条件。

DVD-R

本产品可以播放使用 DVD 视频录制机录制和最优化最终化的 DVD-R 光盘。
播放能力可能取决于录制条件。

DVD+RW

- 本产品可以播放使用 DVD 视频录制机录制的 DVD+RW 光盘。播放能力可能取决于录制条件。

开始使用

DVD+R

- 本产品可以播放使用 DVD 视频录制机录制并且已经终结的 DVD+R 光盘。播放能力可能取决于录制条件。

音频 CD (CD-DA)

- 本产品可以播放 CD-DA 格式的音频 CD-RW/-R 光盘。
- 由于录制条件，本产品可能无法播放某些 CD-RW/-R 光盘。

CD-RW/-R

- 使用 700MB (80 分钟) CD-RW/-R 光盘。如果可能，不要使用 800MB (90 分钟) 或以上光盘，因为该光盘可能无法播放。
- 如果 CD-RW/-R 光盘未录制录制为已结束的一段时间则可能会在播放光盘的开头时遇到延迟，或者所有已录制的文件都无法播放。
- 某些 CD-RW/-R 光盘可能无法使用本产品播放，具体视用于烧录光盘的设备而定。对于从 CD 刻录到 CD-RW/-R 媒体上供个人使用的內容，播放能力可能会因内容和光盘而异。

支持的文件格式

视频文件支持

文件扩展名	容器	视频编解码器	音频编解码器	分辨率
*.avi	AVI	Divx 3.11/4.x/5.1/6.0	MP3 AC3 DTS WMA PCM	1920x1080
		XviD		1920x1080
		MP4v3		1920x1080
		H.264 BP/MP/HP		1920x1080
*.mkv	MKV	VC-1 AP(wmv1)	MP3 AC3 DTS	1920x1080
		DivX 5.1/6.0		1920x1080
		XviD		1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV	VC-1 AP	WMA	1920x1080
		VC-1 SM		1920x1080
*.mp4	MP4	MP4 (mp4v)	AAC	1920x1080
		H.264 BP/MP/HP		1920x1080
*.mpg *.mpeg	PS	MPEG1	MP1, 2 AC3 DTS	1920x1080
		MPEG2		1920x1080
		H.264 BP/MP/HP		1920x1080

音乐文件支持

文件扩展名	容器	音频编解码器	支持范围
*.mp3	MP3	MP3	-
*.wma	WMA	WMA	符合 WMA V10 * 采样率 (kHz) - 8、11、16、22、32、44.1 和 48 * 比特率 - 5kbps 到 384kbps 范围内的所有比特率

AVCHD (Advanced Video Codec High Definition)

- 本产品可以播放 AVCHD 格式的光盘。这些光盘通常在摄录机中录制和使用。
- AVCHD 格式是高清数字视频摄像机格式。
- MPEG-4 AVC/H.264 格式压缩图像的效率高于常用的图像压缩格式的效率。
- 一些 AVCHD 光盘使用“x.v.Color”格式。
- 本产品可以播放使用“x.v.Color”格式的 AVCHD 光盘。
- “x.v.Color”是 Sony Corporation 的商标。
- “AVCHD”和 AVCHD 徽标是 Matsushita Electronic Industrial Co., Ltd. 和 Sony Corporation 的商标。

注

- 一些 AVCHD 格式的光盘可能无法播放，具体视录制条件而定。AVCHD 格式的光盘需要最终化。
- “x.v.Color”提供的颜色范围比普通 DVD 摄录机光盘宽。
- 一些 DivX、MKV 和 MP4 格式的光盘可能无法播放，具体视光盘分辨率和帧速条件而定。

地区代码

产品和光盘都是按地区编码的。这些地区代码必须相符才能播放光盘。如果地区代码不相符，则光盘无法播放。

本产品的“地区编号”在产品的后面板上描述。

光盘类型	地区代码	地区
Blu-ray		北美洲、中美洲、南美洲、韩国、日本、台湾、香港和东南亚。
		欧洲、格陵兰、法国未成为省的领土、中东、非洲、澳大利亚和新西兰、法国未成为省的领土。
		印度、中国、俄国、中亚和南亚。
DVD-VIDEO		美国、美国未成为省的领土和加拿大。
		欧洲、日本、中东、埃及、南非和格陵兰
		台湾、韩国、菲律宾、印度尼西亚和香港
		墨西哥、南美洲、中美洲、澳大利亚、新西兰、太平洋群岛和加勒比
		俄罗斯、东欧、印度、非洲大部分地区、朝鲜和蒙古
		中国

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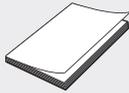
开始使用

可以播放的光盘的徽标

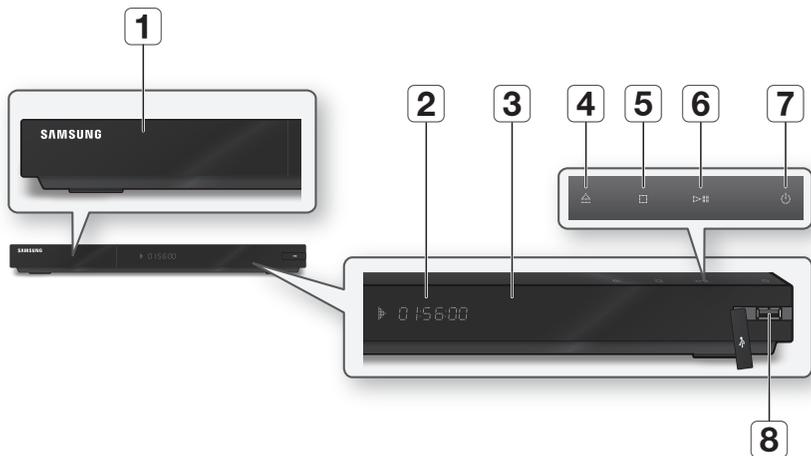
			
Blu-ray 光盘	3D Blu-ray 光盘	DTS-HD Master Audio	DivX
			
BD-LIVE	Dolby TrueHD	英国、法国、德国等国家/地区中的 PAL 广播制式	Java

附件

检查下面列示的随附附件。

		
音频/视频电缆	HDMI 电缆	遥控器电池 (AAA 型)
		
无线 LAN 适配器	用户手册	遥控器

前面板



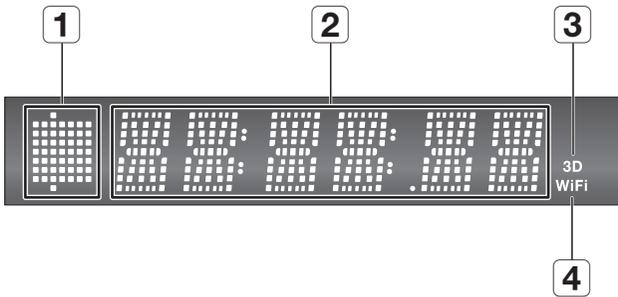
1	光盘托架	打开以接纳光盘。
2	显示屏	显示播放状态、时间等。
3	遥控器感应器	检测来自遥控器的信号。
4	打开/关闭按钮	打开和关闭光盘托架。
5	停止按钮	停止播放。
6	播放/暂停按钮	播放光盘或暂停播放。
7	电源按钮	打开或关闭产品。
8	USB HOST	可在此处连接 USB 闪存棒，在连接至 BD-LIVE 时可用作存储器。它也可以用于软件升级和 MP3/JPEG/DivX/MKV/MP4 播放。 可在此处连接无线 LAN 适配器 (WIS09ABGN) 以使用无线网络。

注

- 使用 USB Host 插孔执行软件升级时只能使用 USB 闪存棒进行。
- 消耗超过 500mA 的 USB 设备需要独立的电源设备才能正常操作。
- 不能将 USB HDD 设备用作 BD 数据存储设备 (BD-LIVE)。

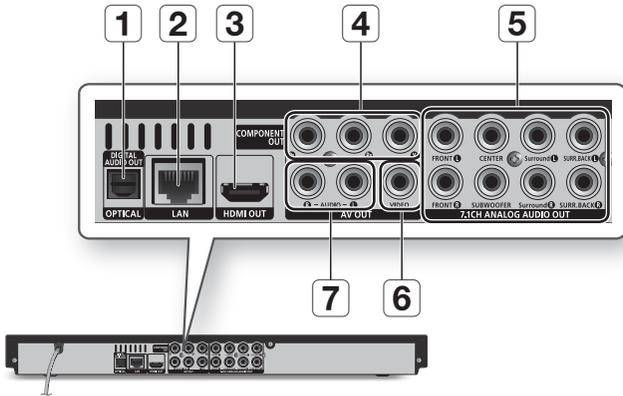
开始使用

前面板显示屏



- | | | |
|---|------------|------------------|
| 1 | 光盘在内指示灯 | 当插入或播放光盘时亮起。 |
| 2 | 当前时间和状态指示灯 | 显示播放时间和当前状态状态。 |
| 3 | 3D 光盘指示灯 | 当插入或播放 3D 光盘时亮起。 |
| 4 | WiFi 指示灯 | 当连接无线网络时亮起。 |

后面板

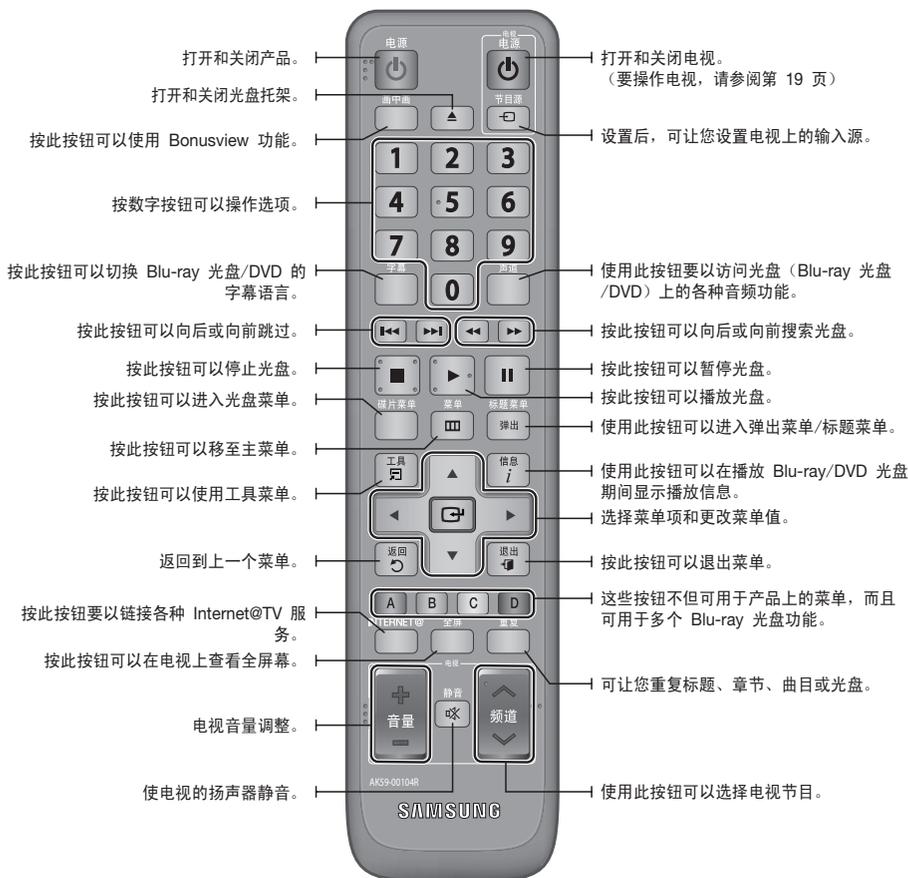


1	DIGITAL AUDIO OUT (OPTICAL)	连接到接收器。
2	LAN	可用于基于网络的服务（请参阅第 53~58 页）、BD-LIVE 和使用网络连接进行的软件升级。
3	HDMI OUT	使用 HDMI 电缆，将此 HDMI 输出端子连接到电视的 HDMI 输入端子以取得最佳画质，或者连接至接收器以取得最佳音质。
4	COMPONENT OUT	连接到具有复合视频输入的设备。
5	7.1CH ANALOG AUDIO OUT	连接到 AV 放大器上的 7.1 声道模拟输入。 (连接到 5.1 声道家庭影院或接收器时，请连接本产品的除左后环绕声/右后环绕声输出以外的所有模拟音频输出插孔)
6	VIDEO OUT	使用视频电缆连接到外部设备的输入。
7	AUDIO OUT	使用音频电缆连接到外部设备的音频输入。

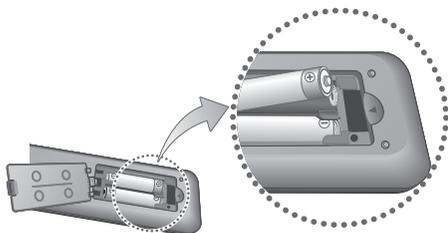
开始使用

遥控器

遥控器一览



安装电池



注

- 如果遥控器无法正常操作:
 - 检查电池的极性 +/ -。
 - 检查电池是否已放完电。
 - 检查遥控器感应器是否被障碍物挡住。
 - 检查附近是否有荧光灯照明。

! 注意

- 用户不能更换本产品中安装的充电电池。有关其更换产品的信息, 请向服务供应商咨询。

设置遥控器

可以使用此遥控器来控制电视的某些功能。

按钮	功能
电视电源	用于打开和关闭电视。
电视节目源	用于选择连接到电视的外部来源。
电视音量 (+/-)	用于调节电视的音量。
电视频道 (▲/▼)	用于选择所需的频道。
电视静音	用于打开和关闭声音。

注

- 上面列出的功能不一定在所有电视上都起作用。如果遇到问题，请直接操作电视 或使用电视的 遥控器。

要确定您的电视是否兼容，请按照下面的说明操作。

1. 打开电视。
2. 使遥控器对着电视。
3. 按住**电视电源**按钮，并从右边的表格中输入对应于电视品牌的两位数的代码（按相应的数字按钮进行输入）。如果您的电视与遥控器兼容，电视将会关闭。现在，可对它进行调整以使用遥控器来操作。

注

- 如果列出几个代码表示您的电视品牌，请按顺序尝试每个代码，直到找到起作用的代码为止。
- 如果您更换遥控器的电池，您必须重新设置品牌代码。

可控制的电视代码

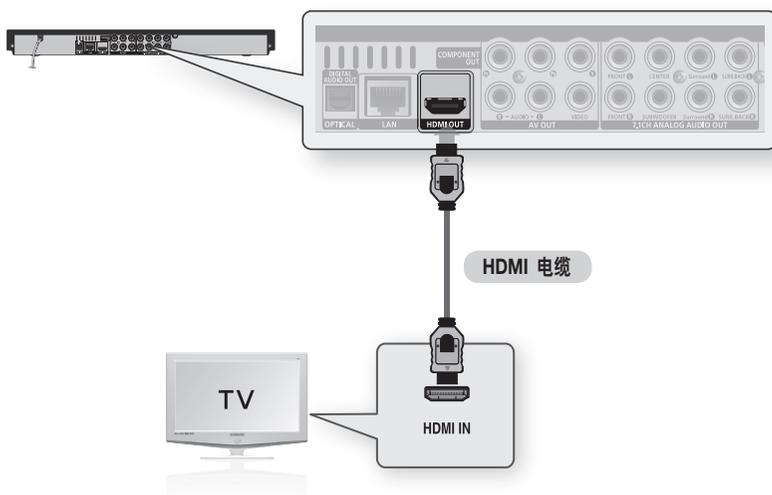
商标	代码	商标	代码
SAMSUNG	电视电源+01, +02, +03, +04, +05, +06, +07, +08, +09	NOBLEX	电视电源+66
		NOKIA	电视电源+74
AIWA	电视电源+82	NORDMENDE	电视电源+72, +73, +75
ANAM	电视电源+10, +11, +12, +13, +14, +15, +16, +17, +18	PANASONIC	电视电源+53, +54, +74, +75
		PHILIPS	电视电源+06, +55, +56, +57
BANG & OLUFSEN	电视电源+57	PHONOLA	电视电源+06, +56, +57
BLAUPUNKT	电视电源+71	PIONEER	电视电源+58, +59, +73, +74
BRANDT	电视电源+73	RADIOLA	电视电源+06, +56
BRIONVEGA	电视电源+57	RADIOMARELLI	电视电源+57
CGE	电视电源+52	RCA	电视电源+45, +46
CONTINENTAL EDISON	电视电源+75	REX	电视电源+74
DAEWOO	电视电源+19, +20, +23, +24, +25, +26, +27, +28, +29, +30, +31, +32, +33, +34	SABA	电视电源+57, +72, +73, +74, +75
		SALORA	电视电源+74
EMERSON	电视电源+64	SANYO	电视电源+41, +42, +43, +44, +48
FERGUSON	电视电源+73	SCHNEIDER	电视电源+06
FINLUX	电视电源+06, +49, +57	SELECO	电视电源+74
FORMENTI	电视电源+57	SHARP	电视电源+36, +37, +38, +39, +48
FUJITSU	电视电源+84	SIEMENS	电视电源+71
GRADIENTE	电视电源+70	SINGER	电视电源+57
GRUNDIG	电视电源+49, +52, +71	SINJUDYNE	电视电源+57
HITACHI	电视电源+60, +72, +73, +75	SONY	电视电源+35, +48
IMPERIAL	电视电源+52	TELEAVA	电视电源+73
JVC	电视电源+61, +79	TELEFUNKEN	电视电源+67, +73, +75, +76
LG	电视电源+06, +19, +20, +21, +22, +78	THOMSON	电视电源+72, +73, +75
LOEWE	电视电源+06, +69	THOMSON ASIA	电视电源+80, +81
LOEWE OPTA	电视电源+06, +57	TOSHIBA	电视电源+47, +48, +49, +50, +51, +52
MAGNAVOX	电视电源+40	WEGA	电视电源+57
METZ	电视电源+57	YOKO	电视电源+06
MITSUBISHI	电视电源+06, +48, +62, +65	ZENITH	电视电源+63
MIVAR	电视电源+52, +77		
NEC	电视电源+83		
NEWSAN	电视电源+68		

连接

连接至电视

例子 1：使用 HDMI 电缆连接至电视 - 最佳质量（建议）

1. 使用 HDMI 电缆，将产品背面的 **HDMI OUT** 端子连接到电视的 **HDMI IN** 端子。
2. 打开产品和电视。
3. 请按电视遥控器上的输入选择器，直到产品的 HDMI 信号显示在您的电视屏幕为止。
 - 如果已设置产品的遥控器来操作电视（请参阅第 19 页），请按遥控器上的**电视节目源**按钮并选择 **HDMI** 作为电视的外部来源。

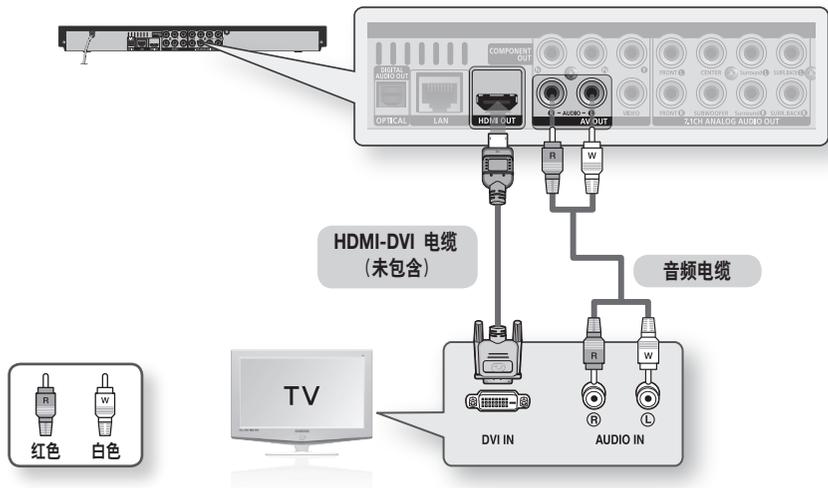


注

- HDMI 电缆会输出数字视频/音频，因此不需要连接音频电缆。
- 如果以 HDMI 720p、1080i 或 1080p 输出模式将产品连接至电视，则必须使用高速（类别 2）HDMI 电缆。
- HDMI 只将纯数字信号输出至电视。
如果电视不支持 HDCP（高带宽数字连接保护），那么屏幕上将出现雪花信噪。
- 根据电视，某些 HDMI 输出分辨率可能不起作用。请参阅电视的用户手册。
- 使用 HDMI 电缆首次将产品连接至电视或连接至新的电视时，产品会自动将 HDMI 输出分辨率设置为电视支持的最高分辨率。
- 必须具有 HDMI 连接才能欣赏采用 3D 技术的视频。
- HDMI 电缆长可能会导致屏幕杂讯。如果出现这种情况，请在菜单中将深色设置为关闭。

例子 2：使用 DVI 电缆连接至电视 - 最佳质量（建议）

1. 使用 HDMI-DVI 电缆，将产品背面的 **HDMI OUT** 端子连接到电视的 **DVI IN** 端子。
2. 使用音频电缆，将产品背面的 **AUDIO OUT**（红色与白色）端子连接至您电视的 **AUDIO IN**（红色与白色）端子。
3. 打开产品和电视。
4. 请按电视遥控器上的输入选择器，直到产品的 DVI 信号显示在您的电视屏幕为止。
 - 如果已设置产品的遥控器来操作电视（请参阅第 19 页），请按遥控器上的**电视节目源**按钮并选择 **HDMI** 作为电视的外部来源。



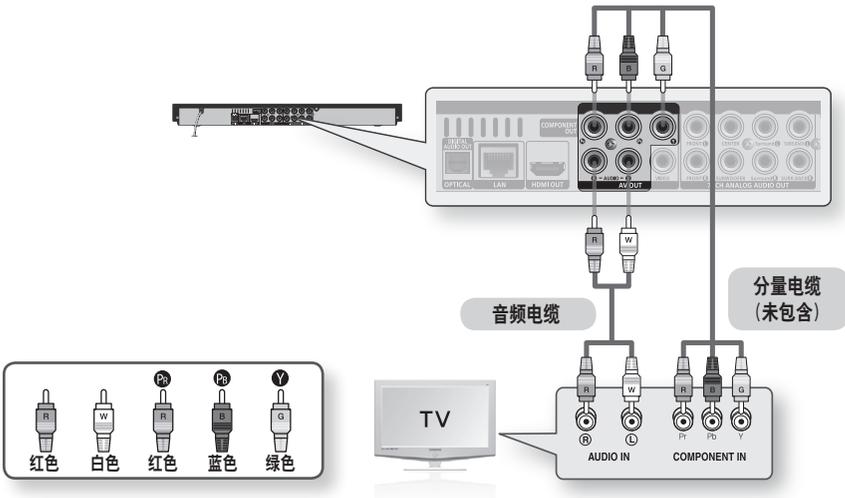
注

- HDMI 只将纯数字信号输出至电视。如果电视不支持 HDCP（高带宽数字连接保护），那么屏幕上将出现雪花信噪。
- 根据电视，某些 HDMI 输出分辨率可能不起作用。请参阅电视的用户手册。
- 使用 HDMI-DVI 电缆首次将产品连接至电视或连接至新的电视时，产品会自动将 HDMI 输出分辨率设置为电视支持的最高分辨率。

连接

例子 3： 连接至电视（分量） - 较好质量

- 使用分量视频电缆连接至电视
 - 将欣赏还原到精确颜色的高品质图像。 分量视频将图片元素分离为黑白 (Y)、蓝色 (Pb) 和红色 (Pr) 信号将呈现清楚清晰的图像。（音频信号通过音频输出提供。）
1. 使用分量视频电缆，将产品背面的 **COMPONENT VIDEO OUT** 端子连接至电视的 **COMPONENT IN** 端子。
 2. 使用音频电缆，将产品背面的 **AUDIO OUT**（红色与白色）端子连接至您电视的 **AUDIO IN**（红色与白色）端子。
 3. 打开产品和电视。
 4. 请按电视遥控器上的输入选择器，直到产品的“分量”信号显示在您的电视屏幕为止。
 - 如果已设置产品的遥控器来操作电视（请参阅第 19 页），请按遥控器上的**电视节目源按钮**并选择分量作为电视的外部来源。

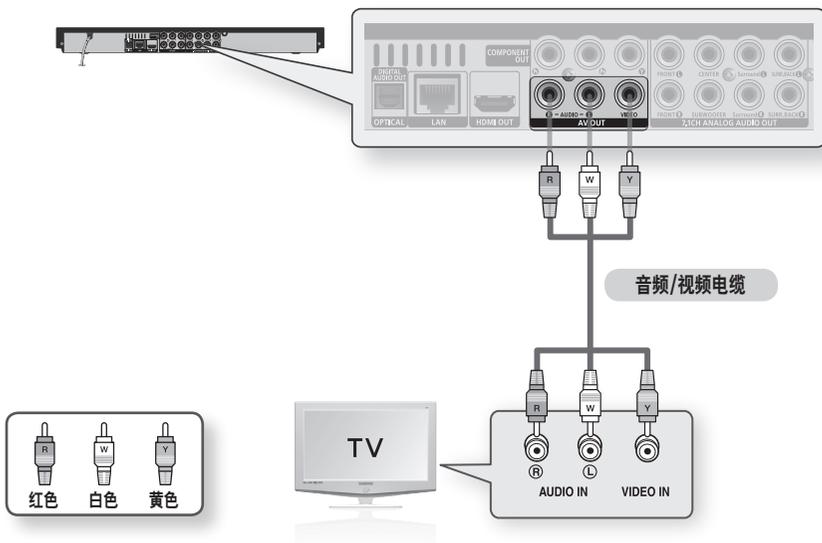


注

- 根据制造商，电视上的分量端子可能会标记为“R-Y, B-Y, Y”或“Cr, Cb, Y”而不是“Pb, Pr, Y”。端子的数目和位置可能会因电视而异。请参阅电视的用户手册。
- 可以从 Blu-ray 光盘的多个分辨率设置中选择，例如 1080i、720p、576p/480p、576i/480i，视光盘类型而定。（请参阅 32~33 页。）
- 如果同时连接了分量和 HDMI 电缆，则实际分辨率可能会不同于设置菜单中的设置。分辨率可能会因光盘而异。（请参阅第 32~33 页。）
- 在 DVD 播放中，如果同时连接 HDMI 和分量插孔并选择分量 1080p、1080i 或 720p 模式，则“显示设置”菜单会在菜单中将输出分辨率显示为 1080p、1080i 或 720p。分辨率实际上是 576i/480i。

例子 4： 连接至电视（视频） - 一般质量

1. 使用视频/音频电缆，将产品背面的 **VIDEO OUT**（黄色） / **AUDIO OUT**（红色与白色） 端子连接至您电视的 **VIDEO IN**（黄色） / **AUDIO IN**（红色与白色） 端子。
2. 打开产品和电视。
3. 请按电视遥控器上的输入选择器，直到产品的“视频”信号显示在您的电视屏幕为止。
 - 如果已设置产品的遥控器来操作电视（请参阅第 19 页），请按遥控器上的**电视频道源**按钮并选择视频作为电视的外部来源。



注

- 如果音频电缆离电源线太近，则可能会产生噪音。
- 如果要连接到放大器，请参阅放大器连接页。（请参阅第 24-26 页）
- 端子的数目和位置可能会因电视而异。请参阅电视的用户手册。
- 如果电视上只有一个音频输入端子，请将它连接到产品的 **AUDIO OUT**（右边/白色）端子。

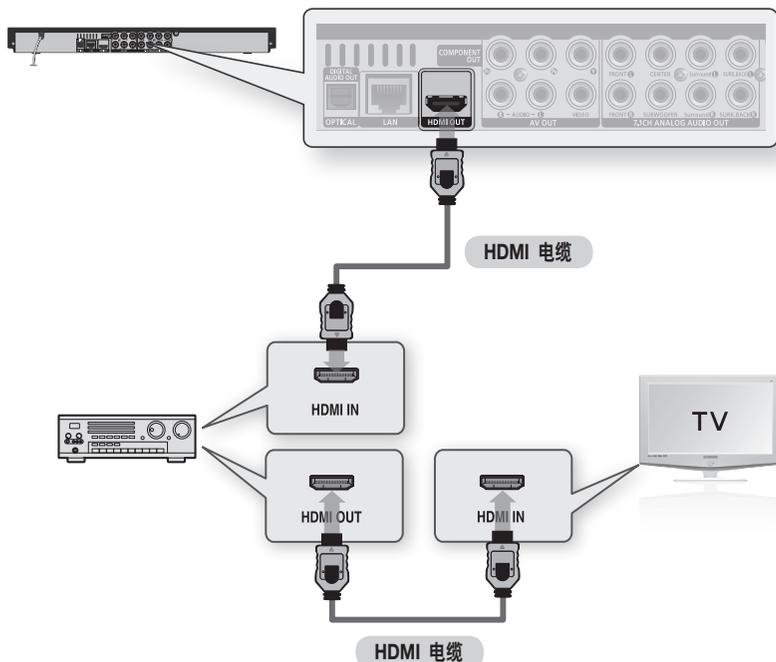
连接

连接至音频系统

- 在打开放大器时，请调小音量。突然的大声可能会导致扬声器损坏和耳朵损伤。
- 根据放大器的功能设置音频输出格式。（请参阅第 34~36 页）
- HDMI 端子的位置可能会因放大器而异。请参阅放大器的用户手册。

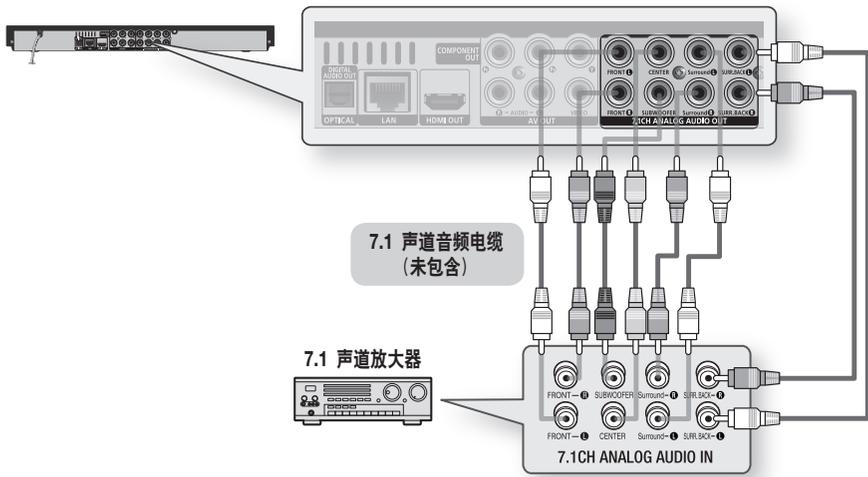
例子 1： 连接至音频系统（支持 HDMI 的放大器） - 最佳质量（建议）

1. 使用 HDMI 电缆，将产品背面的 **HDMI OUT** 端子连接到放大器的 **HDMI IN** 端子。
2. 使用 HDMI 电缆，将放大器背面的 **HDMI OUT** 端子连接到电视的 **HDMI IN** 端子。
3. 打开产品、电视和放大器。
4. 按放大器的输入选择按钮选择外部输入并聆听产品的声音。 请参阅放大器的用户手册以设置放大器的音频输入。



例子 2： 连接至音频系统（7.1 声道放大器） - 较好质量

1. 使用 7.1 声道音频电缆，将产品背面的 **7.1CH ANALOG AUDIO OUT** 端子连接至放大器的 **7.1CH ANALOG AUDIO IN** 端子。
2. 使用视频信号电缆，将产品背面的 **HDMI**、**COMPONENT** 或 **VIDEO OUT** 端子连接至电视的 **HDMI**、**COMPONENT** 或 **VIDEO IN** 端子。（请参阅第 20~23 页）
3. 打开产品、电视和放大器。
4. 按放大器的输入选择按钮选择外部输入并聆听产品的声音。 请参阅放大器的用户手册以设置放大器的音频输入。



注

- 必须连接产品上的前左和前右输出以及 7.1 声道放大器才能听到某些 Blu-ray 光盘的音频菜单。
- 使用 7.1 声道电缆连接 **7.1CH ANALOG AUDIO OUT** 端子时，建议将数字输出设置为 PCM。（请参阅第 34 页）
- 连接到 5.1 声道家庭影院或接收器时，请连接本产品的除左后环绕声/右后环绕声输出以外的所有模拟音频输出插孔。

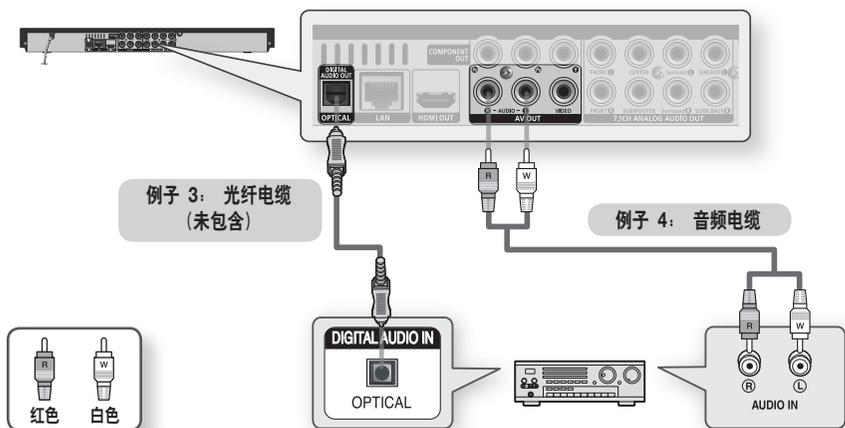
连接

例子 3： 连接至音频系统（Dolby Digital, DTS 放大器） - 较好质量

1. 使用光纤电缆，将产品背面的 **DIGITAL AUDIO OUT (OPTICAL)** 端子连接至放大器背面的 **DIGITAL AUDIO IN (OPTICAL)** 端子。
2. 使用视频信号电缆，将产品背面的 **HDMI**、**COMPONENT** 或 **VIDEO OUT** 端子连接至电视的 **HDMI**、**COMPONENT** 或 **VIDEO IN** 端子。（请参阅第 20~23 页）
3. 打开产品、电视和放大器。
4. 按放大器的输入选择按钮选择外部输入并聆听产品的声音。请参阅放大器的用户手册以设置放大器的音频输入。

例子 4： 连接至音频系统（2 声道放大器） - 一般质量

1. 使用音频电缆，将产品背面的 **AUDIO OUT**（红色与白色）端子连接至您放大器的 **AUDIO IN**（红色与白色）端子。
2. 使用视频信号电缆，将产品背面的 **HDMI**、**COMPONENT** 或 **VIDEO OUT** 端子连接至电视的 **HDMI**、**COMPONENT** 或 **VIDEO IN** 端子。（请参阅第 20~23 页）
3. 打开产品、电视和放大器。
4. 按放大器的输入选择按钮选择外部输入并聆听产品的声音。请参阅放大器的用户手册以设置放大器的音频输入。



注

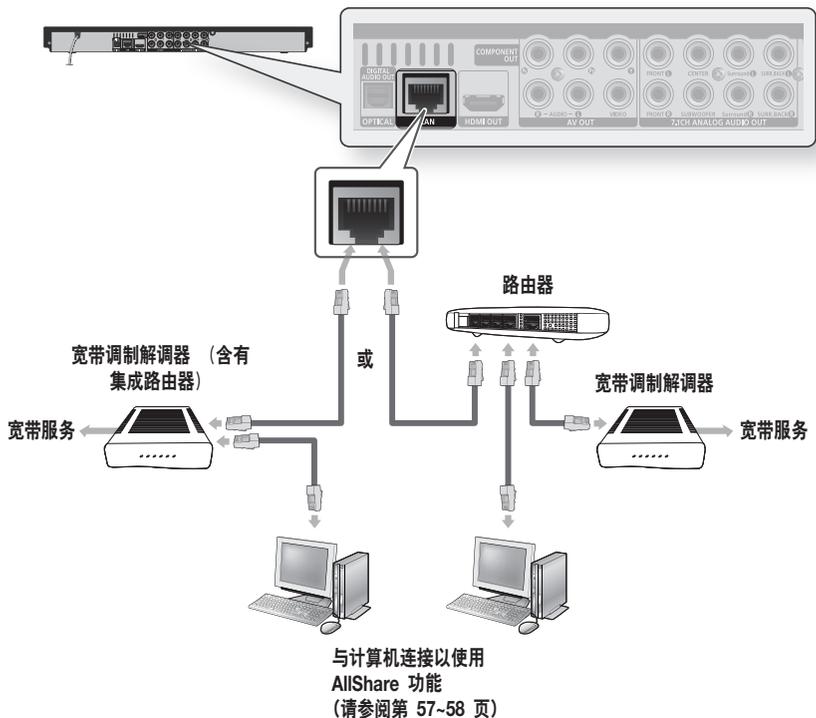
- 如果如例子 3 所述使用数字音频连接，则只能通过前面两个扬声器听到具有 PCM 音频音轨的光盘。

连接至网络

本产品可让您查看基于网络的服务（请参阅第 53~58 页），例如 Internet@TV 和 BD-LIVE，以及通过网络连接来接收软件升级。建议使用 AP（接入点）或 IP 路由器来进行连接。有关路由器连接的更多信息，请参阅路由器的用户手册，或者请与路由器制造商联系以获得技术协助。

有线网络

1. 使用直接连接的 LAN 电缆（UTP 电缆），将产品的 LAN 端子连接至调制解调器的 LAN 端子。
2. 设置网络选项。（请参阅第 38~42 页）



注

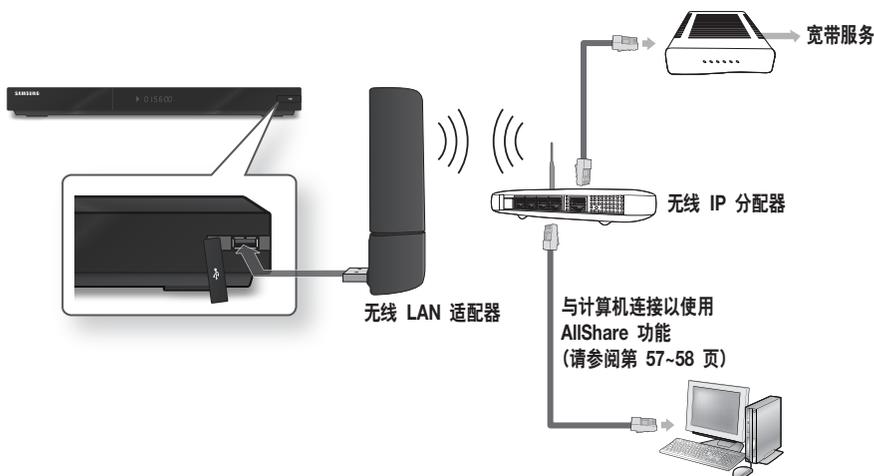
- 可能不允许通过互联网访问 Samsung 的软件升级，具体视所用的路由器或 ISP 的政策而定。有关更多信息，请与您的 ISP（Internet 服务提供商）联系。
- 对于 DSL 用户，请使用路由器来建立网络连接。
- 要使用 AllShare 功能，必须将计算机连接至网络，如图中所示。连接可以有线连接或无线连接。

连接

无线网络

可以通过无线 IP 分配器连接到网络。

1. 建立无线网络连接需要无线 AP/IP 路由器。
将无线 LAN 适配器连接至产品前面板上的**无线 LAN 适配器**端口。
2. 设置网络选项。（请参阅第 38~42 页）



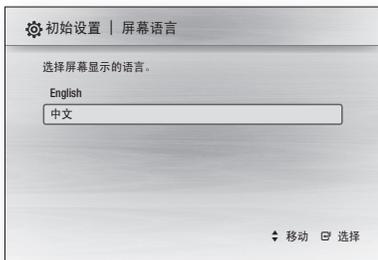
注

- 只应将 Samsung 无线 LAN 适配器与本产品配合使用。（型号名称：WIS09ABGN）。不要将此适配器与任何其他第三方产品配合使用。请与产品的零售商联系以购买无线 LAN 适配器。
- 必须使用支持 IEEE 802.11 a/b/g/n 的无线 IP 分配器。（建议使用 n，以使无线网络的操作稳定。）
- 无线 LAN 天生会导致干扰，因操作条件而异。（AP 性能、距离、障碍物、其他无线设备干扰等等）。
- 将无线 IP 分配器设置为基础结构模式。
- 应用 AP（无线 IP 分配器）的安全密钥时，只支持下列安全协议：
 - 1) 验证模式：WEP, WPAPSK, WPA2PSK
 - 2) 加密类型：WEP, AES
- 要使用 AllShare 功能，必须将计算机连接至网络，如图中所示。连接可以有有线连接或无线连接。

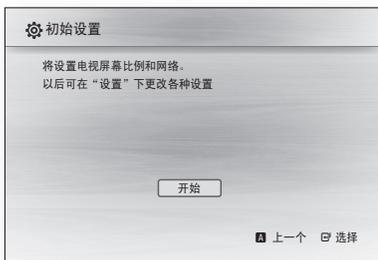
设置

开始之前（初始设置）

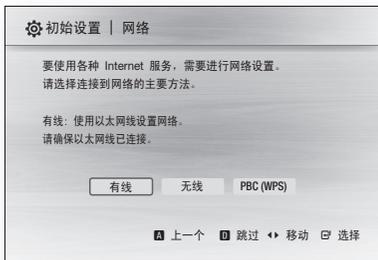
1. 连接产品后打开电视。
(第一次将产品连接至电视时, 产品会自动打开并显示初始设置屏幕。)



2. 按 ▲▼ 按钮选择所需的语言, 然后按**确认**按钮。
3. 按**确认**按钮选择**开始**。



4. 按 ▲▼ 按钮选择所需的电视高宽比, 然后按**确认**按钮。(请参阅第 32 页)



5. 按 ◀▶ 按钮选择所需的网络设置：**Wired**、**Wireless** 或 **PBC (WPS)**, 然后按**确认**按钮。
如果您不知道您的网络设置, 请改为按遥控器上的**蓝色 (D)** 按钮, 在此时跳过网络设置, 完成初始设置, 然后转到主菜单。
如果选择网络设置, 请转到第 38~42 页以了解有关网络设置的更多信息。完成后, 转到步骤 6。
6. 按 **OK** 按钮。
将会显示主菜单。有关主菜单的更多信息, 请参阅第 30 页。

• 主菜单



注

- 第一次将产品连接至电视时, 产品将会自动打开。这不是功能异常。
- 如果不按下下面所述配置初始设置, 则主菜单不会出现。
- 如果在网络设置期间按**蓝色 (D)** 按钮, 则可以访问主菜单, 即使尚未完成网络设置也是如此。
- 返回到主菜单时, 会自动取消全屏模式。
- 如果再次要显示初始设置屏幕以进行更改, 请在未插入光盘的情况下按产品前面板上的**停止 (■)** 按钮超过 5 秒钟。

设置

- 使用 HDMI 电缆将产品连接至符合 Anynet+(HDMI-CEC) 的 Samsung 电视。如果电视使用产品支持的语言，则会自动将该语言设置为首选语言。为此，应在电视和产品上将 Anynet+(HDMI-CEC) 功能设置为打开。
- 如果产品保留在停止模式超过 5 分钟未使用，则电视上会出现屏幕保护程序。如果产品保留在屏幕保护程序模式超过 25 分钟，则电源会自动关闭。

设置菜单



① **菜单按钮**：按此按钮可移至主菜单。

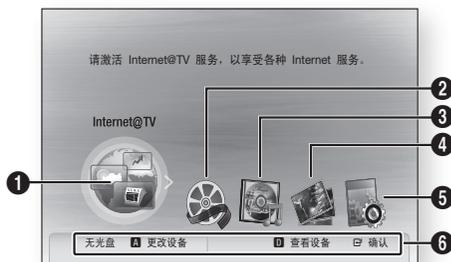
② **返回按钮**：返回到上一个菜单。

③ **确认 / 方向按钮**：
移动光标或选择项目。
选择当前选中的项目。
确认设置。

④ **退出按钮**：按此按钮可以退出菜单。

1. 按**电源按钮**。
主菜单将会出现。

主菜单



① 选择 Internet@TV。

② 选择视频。

③ 选择音乐。

④ 选择照片。

⑤ 选择设置。

⑥ 显示可用的按钮。

2. 按 ◀▶ 按钮选择**设置**，然后按**确认**按钮。
3. 按 ▲▼ 按钮选择所需的子菜单，然后按**确认**按钮。
4. 按 ▲▼ 按钮选择所需的项目，然后按**确认**按钮。
5. 按**退出**按钮退出菜单。

注

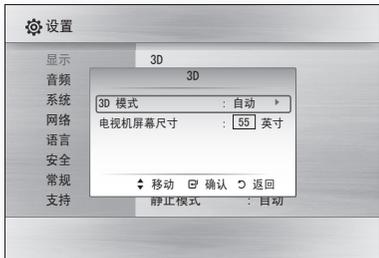
- 将产品连接至网络时，请从主菜单中选择 **Internet@TV**。
从 **Samsung Apps** 下载所需的内容。
(请参阅第 56 页)
- 访问步骤可能会因选择的菜单而异。
- 升级软件版本后，本产品中的 OSD (屏幕显示) 可能会更改。

显示

可以配置各种显示选项，例如电视高宽比、分辨率等。

3D

选择是否以 3D 模式播放具有 3D 内容的 Blu-ray 光盘。



3D 模式

- **自动**：如果产品检测到支持 3D 的电视，则以 3D 模式播放 3D Blu-ray 光盘。如果产品检测到不支持 3D 的电视，则会以 2D 模式播放。
- **3D**：任何时候都以 3D 模式播放 3D Blu-ray 光盘。如果电视不支持 3D Blu-ray 光盘，则播放屏幕可能是黑色的。
- **2D**：任何时候都以 2D 模式播放 3D Blu-ray 光盘。选择此项以观看没有 3D 效果的图像或在电视不能支持 3D Blu-ray 光盘时选择。

注

- 如果在 3D 光盘播放期间按**停止**（）按钮一次，则不会取消激活 3D 模式选项。要在 3D 光盘播放期间激活 3D 模式选项，请按**停止**（）按钮两次。
- 根据内容及其播放位置，可能会在左边和 / 或右边看到垂直黑条。

电视机屏幕尺寸

可让您输入电视的实际屏幕尺寸，以便产品可以根据屏幕尺寸调整图像并显示最佳的 3D 图像。（本产品允许的最大屏幕尺寸是 116 英寸。）

！注意

- 如果要欣赏 3D 内容，请将 3D 设备（符合 3D 的 AV 接收器或电视）连接到产品，戴上 3D 眼镜，然后播放 3D 内容。
- 观看 3D 视频时，将会自动阻止所有模拟分量和复合视频信号。
- 所有 3D 信号都只能使用 HDMI 电缆并通过 HDMI 输出端口输出。
- 因为在 3D 播放模式下，视频分辨率是根据原始 3D 视频的分辨率固定的，不能根据偏好更改分辨率。
- 一些功能（例如 BD Wise 或设置屏幕大小或分辨率）在 3D 播放模式下可能无法正常工作。
- 必须使用高速 HDMI 电缆才能正确输出 3D 信号。
- 请在距离电视 3 倍于屏幕长度的位置处观看电视。
 - 建议将 3D 视频屏幕放在前面，与眼睛同高。
- 如果将产品连接到一些 3D 设备，3D 效果可能无法正常工作。
- 不能使用本产品来将 2D 内容切换为 3D。

设置

电视屏幕比例

根据所拥有的电视的类型，您可能要调整屏幕设置。

• 16:9 正常	
	如果选择 16:9 Normal (16:9 正常)，则某些电视 (4:3 来源) 将以 4:3 Pillarbox (图片各边有黑条) 显示。
• 16:9 宽屏	
	可以在宽屏幕电视是观看全部 16:9 图像。
• 4:3 信箱模式	
	当您只有 4:3 比例屏幕的电视，但是想观看 Blu-ray 光盘 /DVD 提供的全部 16:9 比例图像时，请选择此项。黑条将出现在屏幕的顶部和底部。
• 4:3 全景	
	当您只有 4:3 比例屏幕的电视，但是想观看 Blu-ray 光盘 /DVD 提供的全部 16:9 视频且顶部和底部没有黑条时，请选择此项。将会切除电视图片的最左边和最右边部分。

注

- 根据光盘类型，一些屏幕比例可能不可用。
- 如果选择不同于电视屏幕的屏幕比例的屏幕比例和选项，则图片可能会变形。
- 如果选择 4:3 全景 或 4:3 信箱模式，遥控器上的**全屏**按钮将不起作用。
- 如果选择 16:9 正常，电视可能会显示 4:3 Pillarbox。在这种情况下，遥控器上的**全屏**按钮将不起作用。

BD Wise (仅限 Samsung 产品)

BD Wise 是 Samsung 最新的互连功能。

通过 HDMI 将具有 BD Wise 功能的 Samsung 产品与 Samsung 电视连接时，会自动设置最佳分辨率。

- **开**：将 BD/DVD 光盘的原始分辨率输出到电视。
- **关**：不管光盘的分辨率如何，输出分辨率固定为先前设置的分辨率。

注

- 如果要在 BD Wise 中更改分辨率，必须事先将 BD Wise 设置为 关。
- 如果将 BD Wise 设置为 关，则会自动将所连接电视的分辨率调整为其最大分辨率。
- 如果将产品连接至不支持 BD Wise 的设备，则不能使用 BD Wise 功能。
- 为了使 BD Wise 正确操作，请在产品和电视上将 BD Wise 菜单设置为 开。

分辨率

设置分量和 HDMI 视频信号的输出分辨率。

1080p、1080i、720p、576p/480p 和 576i/480i 中的数字表示视频的行数。

i 和 p 分别表示隔行和逐行扫描。

- **自动**：自动检查并设置最佳分辨率。
- **BD Wise**：当通过 HDMI 连接至具有 BD Wise 功能的电视时，自动设置最佳分辨率。(仅当将 BD Wise 设置为 开 时，BD Wise 菜单项才会出现。)
- **1080p**：输出 1080 行逐行视频。
- **1080i**：输出 1080 行隔行视频。
- **720p**：输出 720 行逐行视频。
- **576p/480p**：输出 576/480 行逐行视频。
- **576i/480i**：输出 576/480 行隔行视频。

根据输出模式的分辨率

• Blu-ray 光盘播放

设置 \ 输出	HDMI 已连接		HDMI 未连接	
	HDMI 模式	分量 / 视频模式	分量模式	视频模式
自动	最佳分辨率	576i/480i	-	-
1080p, Movie Frame(24Fs) 关闭	1080p@60F	576i/480i	-	-
1080p/1080i, Movie Frame(24Fs) 打开	1080p@24F	576i/480i	-	-
1080i, Movie Frame(24Fs) 关闭	1080i	576i/480i	1080i	576i/480i
720p	720p	576i/480i	720p	576i/480i
576p/480p	576p/480p	576i/480i	576p/480p	576i/480i
576i/480i	-	-	576i/480i	576i/480i

• DVD 播放

设置 \ 输出	HDMI 已连接		HDMI 未连接	
	HDMI 模式	分量 / 视频模式	分量模式	视频模式
自动	最佳分辨率	576i/480i	-	-
1080p	1080p@60F	576i/480i	-	-
1080i	1080i	576i/480i	576p/480p	576i/480i
720p	720p	576i/480i	576p/480p	576i/480i
576p/480p	576p/480p	576i/480i	576p/480p	576i/480i
576i/480i	-	-	576i/480i	576i/480i

注

- 如果连接的电视不支持电影帧或选择的分辨率，则消息“如果在选择后未显示图片，请等待 15 秒。此后，分辨率将自动还原到先前值。是否要选择？”将会显示。
如果选择是并且分辨率不受支持，则电视屏幕将一片空白。请等待 15 秒钟，分辨率将自动还原到先前值。

- 如果屏幕一片空白，请按住产品前面板上的 **停止** () 按钮超过 5 秒钟（未插入光盘）。所有设置都将恢复为出厂默认值。按照上一页中的步骤访问每种模式并选择电视支持的电视设置。
- 恢复出厂默认设置时，将会删除存储在 BD 数据中的所有用户数据。
- Blu-ray 光盘必须具有 24 帧功能才能使用 电影帧 (24Fs) 模式。
- 如果同时连接了 HDMI 和分量插孔，并且您正在观看分量输出，则上面列出的分辨率与实际分辨率之间可能有一些差异，具体视电视而定。

设置

HDMI 格式

通过选择连接的设备类型，可以优化 HDMI 输出的颜色设置。

- **TV**：如果通过 HDMI 连接至电视，则选择此项。
- **显示器**：如果通过 HDMI 连接至显示器，则选择此项。

电影帧 (24Fs)

将电影帧 (24Fs) 功能设置为**开**可让您将产品的 HDMI 输出调整为 24 帧 / 秒以提高画面质量。

只能在支持此帧速率的电视上使用电影帧 (24Fs) 功能。只能在 1080i 或 1080p HDMI 输出分辨率模式中选择此菜单

- **开**：打开电影帧 (24Fs) 功能。
- **关**：关闭电影帧 (24Fs) 功能。

注

- 如果电视不支持电影帧 (24Fs) 功能，则将会显示弹出消息。

渐进模式

观看 DVD 时，设置为此项可以提高画面质量。

- **自动**：选择此项以让产品自动设置所观看 DVD 的最佳图像。
- **视频**：选择此项以使内容或电视节目 DVD 的图像质量最佳。

静止模式

设置在暂停 DVD 播放时，产品显示的图像的类型。

- **自动**：根据内容自动显示最佳静止图像。
- **帧**：当暂停具有很少动作的场景时选择此项。
- **场**：当暂停具有许多动作的场景时选择此项。

HDMI 深色

设置是否带深色从 HDMI OUT 插孔输出图像。深色实现颜色深度更深的精确颜色重现。

- **自动**：带深色将图像输出至连接的电视（如果电视支持深色）。
- **关**：不带深色输出图像。

音频

数字输出

可让您根据放大器的功能设置音频输出格式。（有关更多详细信息，请参阅下一页上的数字输出选择。）

- **PCM**
- **源码 (重新编码)**
- **源码 (高保真音响爱好者)**

注

- 请务必选择正确的数字输出，否则将听不到声音，或者听到很大的噪音。
- 如果 HDMI 设备（接收器，电视）与压缩格式（Dolby digital, DTS）不兼容，则音频信号输出为 PCM。
- 一般 DVD 没有第二和效果音频。
- 一些 Blu-ray 光盘没有第二和效果音频。
- 此数字输出设置不影响输出到电视的模拟 (L/R) 音频或 HDMI 音频输出。当将产品连接至接收器时，它影响光纤和 HDMI 音频输出。
- 如果播放 MPEG 音频轨，则音频信号会输出为 PCM，而不管音频输出选择为何（PCM 或 Bitstream）。

数字输出选择

设置		PCM		源码 (重新编码)	源码 (高保真音响爱好者)	
		HDMI 接收器	光学	HDMI 接收器或光学	HDMI 接收器	光学
Blu-ray 光盘 上的音频流	PCM	最多 7.1 声道	PCM 2 声道	DTS 重新编码	PCM	PCM 2 声道
	杜比数码	最多 5.1 声道	PCM 2 声道	DTS 重新编码	杜比数码	杜比数码
	杜比数码加强版	最多 7.1 声道	PCM 2 声道	DTS 重新编码	杜比数码加强版	杜比数码
	Dolby TrueHD	最多 7.1 声道	PCM 2 声道	DTS 重新编码	Dolby TrueHD	杜比数码
	DTS	最多 6.1 声道	PCM 2 声道	DTS 重新编码	DTS	DTS
	DTS-HD HRA	最多 7.1 声道	PCM 2 声道	DTS 重新编码	DTS-HD HRA	DTS
	DTS-HD MA	最多 7.1 声道	PCM 2 声道	DTS 重新编码	DTS-HD MA	DTS
DVD 上的音 频流	PCM	PCM 2 声道	PCM 2 声道	PCM 2 声道	PCM 2 声道	PCM 2 声道
	杜比数码	最多 5.1 声道	PCM 2 声道	杜比数码	杜比数码	杜比数码
	DTS	最多 6.1 声道	PCM 2 声道	DTS	DTS	DTS
Blu-ray 光盘 的清晰度	任意	将第一、第二和效果音频流一起解码为 PCM 音频。		将第一、第二和效果音频流一起解码为 PCM 音频，然后将 PCM 音频重新编码为 DTS 源码。		只输出第一音频音轨（电影的主音轨），以便接收器可以对音频源码进行解码。将听到第二音频和效果音频。

Blu-ray 光盘可能包括三种音频流。

- 首选音频：具有主要特征的音频音轨。
- 第二音频：导演或学员评论等附加音轨。
- 交互音频：选择此项时，播放交互音频。交互音频在每张 Blu-ray 光盘上是不相同的。

PCM 向下取样

选择是否向下取样 96KHz 信号。

- 开：当将放大器连接至不兼容 96KHz 的产品时选择此项。96KHz 信号将向下取样为 48KHz。
- 关：当将放大器连接至兼容 96KHz 的产品时选择此项。

 注

- 即使将 PCM 向下取样设置为关，一些光盘也只通过光学数字输出来输出向下取样的音频。

设置

HDMI

- 如果电视与压缩多声道格式（Dolby Digital, DTS）不兼容，则产品可能会输出 PCM 2 声道缩混音频，即使在菜单上设置了源码（重新编码或高保真音响爱好者）也是如此。
- 如果电视与超过 48kHz 的 PCM 采样率不兼容，则产品可能会输出 48kHz 向下取样的 PCM 音频，即使将 PCM 向下取样设置为关闭也是如此。

动态范围控制

您能够以极低的音量来聆听，但仍然能清楚地听到对话声。

仅当检测到 Dolby Digital 信号时，才会激活此选项。

- **自动**：将根据 Dolby TrueHD 音轨提供的信息，自动设置动态范围控制。
- **关**：关闭 动态范围控制。
- **开**：选择此项来以较低的音量聆听电影的声音，而不损失对话的清晰度。

缩混模式

选择是否将多声道音频缩混为较少的声道。

- **普通立体声**：将多声道音频缩混为两声道立体声。当连接至不支持虚拟环绕声功能（例如 Dolby Pro Logic）的设备时，选择此项。
- **兼容环绕声**：将多声道缩混为兼容环绕声的立体声。
当连接至支持虚拟环绕声功能（例如 Dolby Pro Logic）的设备时，选择此项。

DTS Neo:6

可以只从 2 声道音频来源享受多声道声音。

- **关**：只通过前面两个扬声器输出 2 声道音频信号。
- **电影院**：通过多声道输出 2 声道电影声音。
- **音乐**：通过多声道输出 2 声道音乐。

注

- 如果使用的是 HDMI 接收器，则仅当将数字输出设置设置为 PCM 时，此选项才可用。
- 当不使用 HDMI 接收器时，可以将此选项与模拟 7.1 声道输出配合使用。

扬声器设置

设置扬声器声音以取得尽可能佳的环境声。

仅当使用 7.1 声道模拟输出时，此菜单才可用。



测试音

- 依次将测试音发送到 **L → C → R → RS → RSB → LSB → LS → LFE**，以便您可以确定扬声器已正确设置。
- 仅当装置中没有光盘时，才能激活测试音。
- 测试音只通过 7.1 声道模拟输出来输出。

系统

初始设置

通过调整初始设置，您可以设置语言、电视屏幕比例和网络设置等。

有关设置的更多信息，请参阅本用户手册中的相应章节。

(请参阅第 29~44 页)

Internet@TV 屏幕尺寸

将 Internet@TV 屏幕设置为最佳大小。

- **尺寸 1**：显示较小的应用程序图标。可能会在屏幕边上看到一些黑条。
- **尺寸 2**：显示标准的应用程序图标。图像对于您的电视屏幕而言可能太大。
- **尺寸 3**：显示较大的应用程序图标。图像对于您的电视屏幕而言可能太大。

Anynet+ (HDMI-CEC)

Anynet+ 是一项方便的功能，它提供与具有 Anynet+ 功能的其他 Samsung 产品相连的操作。要操作此功能，请使用 HDMI 电缆将本产品连接至 Samsung 电视。

可以使用 Samsung 电视的遥控器操作本产品，并且只需按电视遥控器上的**播放**（▶）按钮即可开始光盘播放。

有关更多信息，请参阅电视的用户手册。

- **开**：打开 Anynet+ 功能。
- **关**：关闭 Anynet+ 功能。

注

- 如果 HDMI 电缆不支持 CEC，则此功能不可用。
- 如果 Samsung 电视有 Anynet+ 徽标，则它支持 Anynet+ 功能。
- 根据电视，某些 HDMI 输出分辨率可能不起作用。请参阅电视的用户手册。

BD 数据管理

可让您管理从支持 BD-LIVE 服务的 Blu-ray 光盘下载的内容。

可以检查设备信息（包括存储器大小）、删除 BD 数据或更改闪存设备。

更改设备可让您选择产品的内置存储器或外部存储器（连接的 USB 设备）。

如果要从 BD-LIVE 存储的数据大于剩余存储器的大小或者内置存储器已满，请连接外部 USB 设备，然后在菜单中选择外部设备。



产品上设备（存储器）信息的说明

- **总空间**：设备（存储器）的总大小。
- **可用大小**：设备（存储器）的可用大小。

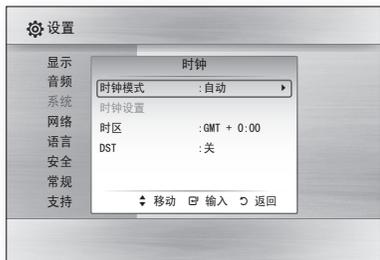
注

- 在外部存储器模式中，如果在播放期间断开 USB 设备的连接，光盘播放将会停止。
- 只有在 FAT 文件系统（DOS 8.3 卷标）中格式化的 USB 设备受支持，建议您使用支持 USB 2.0 协议且具有 4 MB/秒或更高读/写速度的 USB 设备。
- 不能将 USB HDD 设备用作 BD 数据存储设备（BD-LIVE）。
- 格式化存储设备后，继续播放功能可能无法正常工作。
- BD 数据管理的总大小可能会因条件而异。

设置

时钟

设置与时间相关的功能。



- **时钟模式**：可以将它设置为**自动**或**手动**。如果选择**手动**，则**时钟设置**菜单将会激活，而**DST**将会取消激活。
- **时钟设置**：可以手动指定当前时间和日期。
- **时区**：可以指定适合您所在地区的时区。
- **DST**：可以将 DST（夏令时）设置为**开**或**关**。

DivX(R) 注册

查看 DivX(R) VOD 注册码以购买并播放 DivX(R) VOD 内容。

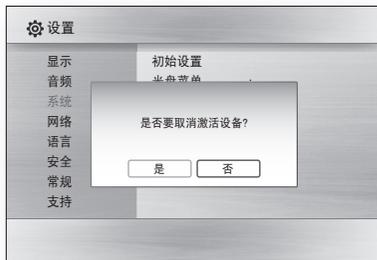


注

- 如果选择 **OK**，则不会激活此选项。要激活此选项，请激活 DivX(R) 取消激活。

DivX(R) 取消激活

选择此项以取得新的注册码。



注

- 当取消激活 DivX(R) 注册功能时，可以操作此功能。

网络设置

要开始设置产品的网络连接，请按照下面的步骤操作：

1. 在主菜单中，按 ◀▶ 按钮选择**设置**，然后按**确认**按钮。
2. 按 ▲▼ 按钮选择**网络**，然后按**确认**按钮。
3. 按 ▲▼ 按钮选择**网络设置**，然后按**确认**按钮。
4. 按 ▲▼ 按钮选择**网络类型**，然后按**确认**按钮。
5. 按 ▲▼ 按钮选择**有线**或**无线**，然后按**确认**按钮。
6. 转至下一部分。

网络设置

请与您的 ISP 联系以了解您的 IP 地址是静态的还是动态的。如果它是动态的，则建议您使用自动设置。这是最容易的方法，在大多数情况下都起作用。如果它是静态的，则必须使用手动设置过程。

有线网络的指示如下所示。无线网络的指示在有有线网络的指示后面

有线网络

1. 在网络设置菜单中，按 ▲▼ 按钮选择**网络设置**，然后按**确认**按钮。
Internet 协议设置屏幕将会出现。
2. 按 ► 按钮，然后选择**自动**或**手动**，然后按**确认**按钮。

设置有线连接 - 自动

1. 如果选择**自动**，则网络功能会自动获取并填写 IP 地址、子网掩码等的值。

注

- 此过程最多可能需要 5 分钟。



2. 在网络功能获取网络值之后，按**返回**按钮。然后，运行网络测试以确保产品已连接至网络（请参阅第 42 页）。
3. 如果网络功能不能获取网络值或者您选择手动，请转至“手动设置”的指示。

设置有线连接 - 手动

如果“自动设置”不起作用，则需要手动设置网络设置值。

要获得大部分 Windows 计算机的网络设置值，请按照下面的步骤操作：

1. 右键单击屏幕右下角中的“网络”图标。
2. 在弹出菜单中，单击“状态”。
3. 在出现的对话框中，单击“支持”选项卡。
4. 在“支持”选项卡中，单击“详细信息”按钮。将会显示“网络设置”。

要将网络设置输入到产品中，请按照下面的步骤操作：

1. 在 Internet 协议设置屏幕上，按**确认**按钮。
2. 按 ▲▼ 按钮选择**手动**，然后按**确认**按钮。
3. 按 ▼ 按钮转至第一个输入字段（IP 地址）。



4. 使用遥控器上的数字按钮输入数字。
5. 完成每个字段后，使用 ► 按钮相继地移至下一个字段。
还可以使用其他箭头按钮来上移、下移和返回。
6. 输入 **IP 地址**、**子网掩码**和**网关**值。
7. 按 ▼ 按钮转至 **DNS**。
8. 按 ▼ 按钮转至第一个 DNS 输入字段。
如上面所示输入数字。

设置

- 按遥控器上的**返回**按钮。
- 运行网络测试以确保产品已连接至网络（请参阅第 42 页）。

无线网络

可采用三种方法设置无线连接：

- 使用 PBC (WPS)
- 使用自动网络搜索功能。
- 手动。

下面说明了每种方法。

设置无线网络连接 - PBC (WPS)

设置无线网络连接最容易的方法是使用 PBC (WPS) 功能。

如果无线路由器具有 PBC (WPS) 按钮，请按照下面的步骤操作：

1. 在网络设置菜单中，按 **▲▼** 按钮选择**网络设置**，然后按**确认**按钮。
Internet 协议设置屏幕将会出现。
2. 按遥控器上的**红色 (A)** 按钮。
3. 在两分钟内按路由器上的 **PBC (WPS)** 按钮。产品将显示网络选择屏幕，并自动获得它需要的所有网络设置，然后连接至网络。完成后，它将显示 **OK** 按钮。按遥控器上的**确认**按钮。
4. 设置无线连接后，按**返回**按钮退出网络设置屏幕。

设置无线网络连接 - 自动网络搜索

大部分无线网络都具有可选的安全系统，它需要访问网络的设备传送称为“访问密钥”或“安全密钥”的加密安全代码。“安全密钥”基于“密码短语”，通常是在您设置无线网络的安全性时要求您输入的一个单词或指定长度的一系列字母和数字。如果您使用此方法来设置网络连接，并且具有无线网络的“安全密钥”，则在设置过程中必须输入“密码短语”

■ 设置网络连接

要使用自动网络搜索设置无线连接，请按照下面的步骤操作：

1. 在网络设置菜单中，按 **▲▼** 按钮选择**网络设置**，然后按**确认**按钮。
Internet 协议设置屏幕将会出现。
2. 按 **▲▼** 按钮选择 **Internet 协议设置**，然后按**确认**按钮。
3. 按 **▲▼** 按钮选择**自动**或**手动**，然后按**确认**按钮。
4. 如果选择**自动**，请按 **▲** 按钮转至**接入点选择**，然后按**确认**按钮。
网络功能会搜索可用的无线网络。完成后，它将显示可用的网络列表。



- 在网络列表中，按 ▲▼ 按钮选择网络，然后按**确认**按钮。
- 如果显示 PIN/安全 弹出窗口，请转至步骤 7。如果网络连接屏幕出现，请转至步骤 11。
- 按 ▲▼ 按钮选择 PIN 或安全。
对于大部分家用网络，将选择安全（以输入“安全密钥”）。
- 在安全屏幕上，输入网络的“密码短语”。

注

- 应可以在用于设置路由器或调制解调器的设置屏幕上找到“密码短语”。



- 要输入“密码短语”，请按照下列一般指示操作：

- 按遥控器上的数字按钮输入数字。
- 使用遥控器上的箭头键从安全密钥屏幕上的一个按钮移至另一个按钮。
- 按遥控器上的**红色 (A)** 按钮可让您将显示在按钮的文本更改为小写、大写、数字和图标。
要输入字母或符号，请将光标移至字母或符号，然后按**确认**按钮。
- 要删除最后一个输入的字母或数字，请按**绿色 (B)** 按钮。

- 完成后，按遥控器上的**蓝色 (D)** 按钮，然后按**确认**按钮。

- 等待到显示连接确认消息，然后按**确认**按钮。网络设置屏幕将会重新出现。
- 要测试连接，请按 ▼ 按钮选择**网络测试**，然后按**确认**按钮。

设置无线网络连接 - 手动

如果“自动设置”不起作用，则需要手动输入网络设置值。

要获得大部分 Windows 计算机的网络设置值，请按照下面的步骤操作：

- 右键单击屏幕右下角中的“网络”图标。
- 在弹出菜单中，单击“状态”。
- 在出现的对话框中，单击“支持”选项卡。
- 在“支持”选项卡中，单击“详细信息”按钮。将会显示“网络设置”。

要将网络设置输入到产品中，请按照下面的步骤操作：

- 在 Internet 协议设置屏幕上，按**确认**按钮。
- 按 ▲▼ 按钮选择手动，然后按**确认**按钮。
- 按 ▼ 按钮转至第一个输入字段 (IP 地址)。



- 使用数字按钮输入数字。
- 完成每个字段后，使用 ► 按钮相继地移至下一个字段。
还可以使用其他箭头按钮来上移、下移和返回。

设置

6. 输入 IP 地址、子网掩码和网关值。
7. 按 ▼ 转至 DNS。
8. 按 ▼ 按钮转至第一个 DNS 输入字段。如上面所示输入数字。
9. 完成后，按 ▲ 按钮返回到接入点选择。选择网络，然后按**确认**按钮。
10. 转至上面“自动无线连接”过程中的步骤 6，并按照从该点开始的指示操作。

网络测试

使用此菜单来连接到有线网络或检查网络连接是否正常工作。



网络状态

检查是否已建立与网络和 Internet 的连接。

BD-LIVE Internet 连接

选择在您使用 BD-LIVE 服务时是否允许 Internet 连接。

- **允许 (全部)**：对所有 BD-LIVE 内容允许 Internet 连接。
- **允许 (仅限有效)**：仅对包含有效证书的 BD-LIVE 内容允许 Internet 连接。
- **禁止**：对所有 BD-LIVE 内容都不允许 Internet 连接。

注

- **什么是有效证书？**
当产品使用 BD-LIVE 来将光盘数据和请求传送到服务器以认证光盘时，服务器使用传送给数据来检查光盘是否有效并将证书发送回给产品。
- 使用 BD-LIVE 内容时，Internet 连接可能会受到限制。

语言

可以选择首选用于主菜单、光盘菜单等等的语言。

- **屏幕菜单**：选择屏幕显示的语言。
- **光盘菜单**：选择光盘菜单显示的语言。
- **音频**：选择光盘音频的语言。
- **字幕**：选择光盘字幕的语言。

注

- 仅当光盘支持选择的语言时，它才会显示。

安全

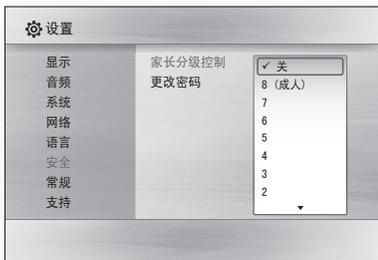
第一次操作此菜单时，密码设置屏幕将会出现。使用数字按钮输入所需的 4 位数密码。默认密码设置为 0000。

家长分级控制

家长分级控制与具有指定分级的 Blu-ray 光盘 / DVD 配合使用，这可帮助您控制您的家人可以观看的 Blu-ray 光盘 / DVD 类型。

要使用此功能，请选择限制产品播放分级适合您家人的光盘的分级级别。

较大的数字表示节目只适合成人观众。选择分级号时，应选择希望产品能够播放的最高分级号。例如，如果您选择级别 6，则产品将播放 6 级和以下分级的光盘，不能播放 7 级或 8 级的光盘。



更改密码

更改用于访问安全功能的 4 位数的密码。

如果您忘记密码

1. 取出光盘。
2. 按住前面板上的**停止**（）按钮 5 秒钟以上。
所有设置将恢复为出厂默认设置。

注

- 恢复出厂默认设置时，将会删除存储在 BD 数据中的所有用户数据。

常规

背景

更改菜单屏幕的背景主题。



前端显示

更改前面板的亮度。

- **自动**：在播放期间变暗。
- **暗**：使显示窗口变暗。
- **亮**：使显示窗口变亮。

开 / 关机音

打开和关闭产品时播放旋律。

- **开**：打开开机音。
- **关**：关闭开机音。

光效

可以激活或取消激活产品顶部的光效。

- **始终打开**：任何时候都激活光效。
选择此项以进行销售展览。
- **自动**：当打开和关闭产品或移动托架时激活光效。
在家中安装产品时选择此项。
- **关**：任何时候都关闭光效。

设置

支持

软件升级

此菜单可让您升级软件以提高性能或取得其他服务。可以检查当前软件版本，使用 Internet 升级和设置自动升级通知。如果通过电缆或以无线方式正确地将产品连接至网络，则每次打开时，产品都会自动连接至 Samsung 网站并下载更新文件（如果有任何有效的升级的话）。



1. 要选择**通过互联网**，请按**确认**按钮。如果有更新可用，则会出现一条弹出消息，并询问您是否要升级。
2. 如果选择**是**，则产品会自动关闭，再重新启动，然后开始升级。（此时不要手动打开产品。）
3. 更新进度弹出窗口将会出现。更新完成后，产品会再次自动关闭。
4. 按**电源**按钮以打开产品。

注

- 当产品在重新启动后关闭时，更新就完成了。按**电源**按钮打开更新后的产品以进行使用。在更新期间，切勿手动关闭或打开产品。
- 对于不稳定的 Internet 连接或在软件升级期间消费者粗心大意造成的产品功能异常，Samsung Electronics 不承担任何法律责任。

还可以采用两种方法之一来更新软件，如下所示：软件更新与**通过互联网**菜单相同。

- **USB**：访问 www.samsung.com/bluraysupport，然后下载并存储最新的软件（RUF 文件）到 USB 闪存设备上。将 USB 闪存设备连接至产品的 USB 端口（光盘托架必须是空的）以更新软件，然后按照屏幕说明操作。
- **CD/DVD**：访问 www.samsung.com/bluraysupport，下载并刻录最新的软件（RUF 文件）到光盘上。将光盘插入到产品中并播放以开始更新，然后按照屏幕说明操作。

注

- 使用 USB Host 插孔执行软件升级时，光盘托架中不能有光盘。
- 如果在下载升级数据过程中要取消升级，请按**确认**按钮。
- 系统升级完成后，可在软件升级菜单中检查软件详细信息。
- 在系统升级期间，不要关闭产品。否则会导致产品无法正常工作。
- 使用 USB Host 插孔执行软件升级时只能使用 USB 闪存棒进行。

联系 Samsung

提供联系信息以协助您使用产品。

基本功能

播放光盘

播放

1. 按**打开/关闭** () 按钮以打开光盘托架。
2. 轻轻地将光盘放到托架中, 光盘的标签向上。
3. 按**打开/关闭** () 按钮以关闭光盘托架。
4. 按**播放** () 按钮。

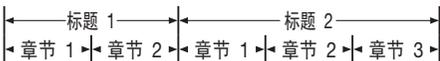
与播放相关的按钮

播放 ()	开始播放。
停止 ()	停止播放。 <ul style="list-style-type: none"> • 如果按该按钮一次: 将会记住停止位置。 • 如果按该按钮两次: 将不会记住停止位置。
暂停 ()	暂停播放。

光盘结构

光盘的内容通常划分如下。

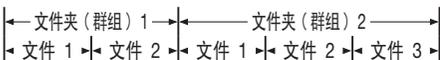
• Blu-ray 光盘, DVD-VIDEO



• 音频 CD (CD-DA)



• MP3, WMA, DivX, MKV 和 MP4



使用光盘菜单 / 标题菜单 / 弹出菜单

使用光盘菜单



1. 在播放期间, 按遥控器上的**碟片菜单**按钮。
2. 按  按钮选择所需的选项, 然后按**确认**按钮。



注

- 根据光盘的不同, 菜单项可能会不相同, 或者此菜单不可用。

使用标题菜单



1. 在播放期间, 按遥控器上的**标题菜单**按钮。
2. 按  按钮选择所需的选项, 然后按**确认**按钮。



注

- 根据光盘的不同, 菜单项可能会不相同, 或者此菜单不可用。

播放标题列表



1. 在播放期间, 按**碟片菜单**或**标题菜单**按钮。
2. 按  按钮以从标题列表中选择要播放的项目, 然后按**确认**按钮。



注

- 如果光盘具有播放列表, 请按**绿色 (B)** 按钮转至播放列表。

基本功能

使用弹出菜单



1. 在播放期间，按遥控器上的**弹出菜单**按钮。
2. 按 **▲▼◀▶** 按钮或**确认**按钮选择所需的菜单。



注

- 根据光盘的不同，菜单项可能会不相同，或者此菜单不可用。

使用搜索和跳过功能

在播放期间，可以搜索章节或曲目，并使用跳过功能来跳到下一章节。

搜索所需的场景



- 在播放期间，按**搜索**（**◀▶**）按钮。每次按**搜索**（**◀▶**）按钮，播放速度都会按如下所示更改。

BD-ROM, BD-RE/-R, DVD-RW/-R, DVD+RW/+R, DVD-VIDEO	▶▶ 1 → ▶▶ 2 → ▶▶ 3 → ▶▶ 4 → ▶▶ 5 → ▶▶ 6 → ▶▶ 7 ◀◀ 1 → ◀◀ 2 → ◀◀ 3 → ◀◀ 4 → ◀◀ 5 → ◀◀ 6 → ◀◀ 7
DivX, MKV, MP4	▶▶ 1 → ▶▶ 2 → ▶▶ 3 ◀◀ 1 → ◀◀ 2 → ◀◀ 3

- 要恢复正常速度播放，请按**播放**（**▶**）按钮。

注

- 在搜索模式期间，不会播放声音。

跳过章节



- 在播放期间，按**跳过**（**⏮️▶▶**）按钮。如果按**跳过**（**▶▶**）按钮，光盘将移至下一个章节。如果按**跳过**（**⏮️**）按钮，光盘将移至章节的开头。再按一次会使光盘移至上一个章节的开头。

慢动作播放 / 逐帧向前播放

慢动作播放



- 在暂停模式中，按**搜索**（**▶**）按钮。每次按**搜索**（**▶**）按钮，播放速度都会按如下所示降低：
▶▶ 1/8 ▶▶ 1/4 ▶▶ 1/2
- 要恢复正常速度播放，请按**播放**（**▶**）按钮。

注

- 在慢动作播放模式期间，不会播放声音。
- 慢动作只能向前进行操作。
- 不能对 DivX 光盘操作慢动作。

逐个动作播放



- 在暂停模式中，按**暂停**（**⏸️**）按钮。每次按**暂停**（**⏸️**）按钮，都会出现新的一帧。
- 要恢复正常速度播放，请按**播放**（**▶**）按钮。

注

- 在逐个动作播放模式期间，不会播放声音。
- 逐个动作只能向前进行操作。
- 不能对 DivX 光盘操作逐个动作。

重复播放

重复标题或章节



重复光盘标题或章节。

根据光盘的不同，重复功能可能不可用。

1. 在播放期间，按遥控器上的**重复**按钮。



2. 按 **▲▼** 按钮选择**章节**或**标题**，然后按**确认**按钮。



3. 要恢复正常播放，请再次按**重复**按钮。
4. 按 **▲▼** 按钮选择**关**，然后按**确认**按钮。

重复部分



1. 在播放期间，按遥控器上的**重复**按钮。



2. 按 **▲▼** 按钮选择**重复 A-B**。



3. 在要开始重复播放的点 (A) 按**确认**按钮。

4. 在要停止重复播放的点 (B) 按**确认**按钮。
5. 要恢复正常播放，请再次按**重复**按钮。
6. 按**确认**按钮。

注

- 如果在过了 5 秒钟之后设置点 (B)，则会出现禁止消息。

使用工具按钮

在播放期间，可以按**工具**按钮操作光盘。



• 工具菜单屏幕



注

- 根据光盘的不同，工具菜单可能会不相同。

直接移到所需的场景



1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择**标题**、**章节**或**播放时间**。
3. 使用数字按钮输入所需的**标题**、**章节**或**播放时间**，然后按**确认**按钮。

基本功能

选择音频语言



还可以按遥控器上的**声道**按钮操作此功能。



1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择**音频**。
3. 按 **◀▶** 按钮选择所需的音频语言。

注

- 如果 BONUSVIEW 部分不包含任何 BONUSVIEW 音频设置，则 **◀▶** 指示符不会显示在屏幕上。
- 如果 Blu-ray 光盘具有 BONUSVIEW 部分，则还会显示有关**首选 / 第二模式**的信息。使用 **◀▶** 按钮在**首选**和**第二音频模式**之间切换。
- 此功能取决于在光盘上编码哪些音频语言，可能不可用。
- Blu-ray 光盘最多可包含 32 种音频语言，DVD 光盘最多可包含 8 种音频语言。
- 一些 Blu-ray 光盘可能允许您选择英语的多声道 LPCM 或 Dolby 数字音频音轨。
- 如果按遥控器上的**声道**按钮，则音频栏将会出现。按**返回**按钮可以除去音频栏。

注

- 根据 Blu-ray 光盘 / DVD 的不同，您可能可以在光盘菜单中更改所需的字幕。**按碟片菜单按钮**。
- 此功能取决于在光盘上编码哪些字幕，可能并非在所有 Blu-ray 光盘 / DVD 上都可用。
- Blu-ray 光盘最多可包含 255 种字幕语言，DVD 光盘最多可包含 32 种字幕语言。
- 如果 Blu-ray 光盘具有 BONUSVIEW 部分，则会显示有关**首选 / 第二模式**的信息。
- 此功能会同时更改**首选**和**第二字幕**。
- 字幕总数是**首选字幕**和**第二字幕**之和。
- 如果按遥控器上的**字幕**按钮，则字幕栏将会出现。按**返回**按钮可以除去字幕栏。

更改相机视角



当 Blu-ray 光盘 / DVD 包含特定场景的多个角度时，可以使用**视角**功能。

1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择**视角**。
3. 按 **◀▶** 按钮选择所需的视角。

选择图像设置



当通过 HDMI 将产品连接至电视时，此功能可让您调整**视频质量**。

1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择**图像设置**，然后按**确认**按钮。
3. 按 **◀▶** 按钮选择所需的**图像设置**，然后按**确认**按钮。

选择字幕语言



还可以按遥控器上的**字幕**按钮操作此功能。



1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择**字幕**。
3. 按 **◀▶** 按钮选择所需的字幕语言。

- **动态**：选择此设置可以提高锐度。
- **正常**：可对大部分观看应用程序选择此设置。
- **影院**：这是最适合看电影的设置。
- **用户**：用户分别可以调整锐度和噪声降低功能。

设置 BONUSVIEW



BONUSVIEW 功能可让您在播放电影的同时，在小屏幕窗口中查看其他内容（例如评论）。仅当光盘具有 Bonusview 功能时，此功能才可用。

还可以按遥控器上的**画中画**按钮操作此功能。

画中画



1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮选择 **BONUSVIEW 视频**或 **BONUSVIEW 音频**。
3. 按 **◀▶** 按钮选择所需的 bonusview。

注

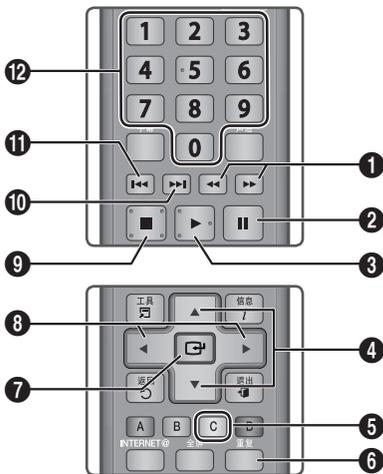
- 如果您从 BONUSVIEW 视频切换，BONUSVIEW 音频也会根据 BONUSVIEW 视频自动更改。



聆听音乐



遥控器上用于音乐播放的按钮



- | | |
|----|---|
| 1 | 搜索按钮 ：快速播放。
(仅限音频 CD (CD-DA)) |
| 2 | 暂停按钮 ：暂停播放。 |
| 3 | 播放按钮 ：播放当前选择的曲目。 |
| 4 | ▲▼按钮 ：选择音乐列表或播放列表中的曲目。 |
| 5 | 黄色 (C) 按钮 ：选择或取消选择音乐列表中的曲目。 |
| 6 | 重复按钮 ：在播放列表中选择播放模式。 |
| 7 | 确认按钮 ：播放和暂停选择的曲目。 |
| 8 | ◀▶按钮 ：跳转播放。
(音频 CD (CD-DA) 除外) |
| 9 | 停止按钮 ：停止曲目。 |
| 10 | 跳过按钮 ：在播放期间，在音乐列表中移至下一页，或者在播放列表中移至下一个曲目。 |

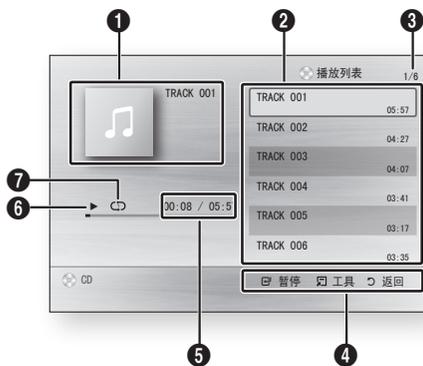
基本功能

- 11 跳过 按钮**：在播放期间，在音乐列表中移至上一页，或者在播放列表中移至上一个曲目。
- 如果在播放列表中开始播放 3 秒钟后按此按钮，将会从头开始播放当前曲目。但是，如果在播放列表中开始播放 3 秒钟内按此按钮，则会播放上一个曲目。
- 12 数字 按钮**：在播放列表播放期间，按所需的曲目编号。将会播放所选定的曲目。

播放音频 CD (CD-DA)/MP3

- 将音频 CD (CD-DA) 或 MP3 光盘插入到光盘托架中。
 - 音频 CD (CD-DA) 会自动播放。
 - 要开始 MP3 光盘，请按 ◀▶ 按钮选择音乐，然后按**确认**按钮。

音频 CD (CD-DA)/MP3 屏幕元素



- 显示音乐信息。
- 显示播放列表。
- 显示当前曲目 / 总曲目数。
- 显示可用的控制按钮。

- 显示当前播放时间 / 总播放时间。
- 显示当前播放状态。
- 显示重复的播放状态。

- 按 ▲▼ 按钮选择要播放的曲目，然后按**确认**按钮。

重复音频 CD (CD-DA)/MP3

- 在播放列表播放期间，按**重复**按钮。
- 重复地按**重复**按钮选择所需的播放模式。



关	音频 CD (CD-DA)/MP3	按将曲目刻录到光盘上的顺序播放光盘上的曲目。
(C) 曲目	音频 CD (CD-DA)	重复当前曲目。
(C) 一个	MP3	重复当前曲目。
(C) 全部	音频 CD (CD-DA)/MP3	重复所有的曲目。
(C) 随机	音频 CD (CD-DA)/MP3	随机选项会随机播放光盘的曲目。

播放列表

- 将音频 CD (CD-DA) 或 MP3 光盘插入到光盘托架中。
 - 音频 CD (CD-DA) 会自动播放。
 - 要开始 MP3 光盘，请按 ▶◀ 按钮选择音乐，然后按**确认**按钮。
- 要移至音乐列表，请按**停止** (■) 或**返回**按钮。将会显示音乐列表屏幕。

- 按 ▲▼◀▶ 按钮移至所需曲目，然后按黄色 (C) 按钮选择所需的曲目。重复此过程以选择其他曲目。



- 如果播放列表中有不需要的曲目，请再次按黄色 (C) 按钮。将会删除所选定的曲目。
- 按确认按钮以播放所选定的曲目。将会自动播放所选定的曲目。



- 要转至音乐列表，请按停止 (■) 或返回按钮。
- 要转至播放列表，请按确认按钮。

注

- 可以在音频 CD (CD-DA) 上创建最多含有 99 个曲目的播放列表。

播放图片



播放 JPEG 光盘

- 将 JPEG 光盘插入到光盘托架中。
- 按 ◀▶ 按钮选择照片，然后按确认按钮。
- 按 ▲▼◀▶ 按钮选择要播放的文件夹，然后按确认按钮。
- 按 ▲▼◀▶ 按钮选择要播放的照片，然后按确认按钮。幻灯片放映将会自动开始。

注

- 在全屏模式中，不能放大字幕和 PG 图片。

使用工具按钮

在幻灯片播放期间，可以按工具按钮来使用各种功能。



- **停止播放幻灯片**：如果要停止幻灯片放映，请选择此项。
- **幻灯片播放速度**：如果要调整幻灯片播放速度，请选择此项。
- **幻灯片放映效果**：如果要设置幻灯片放映效果，请选择此项。
- **背景音乐**：如果要在观看图片的同时聆听音乐，请选择此项。

基本功能

- **放大**：如果要放大当前图片，请选择此项。
(最多放大 4 倍)
- **旋转**：如果要旋转图片，请选择此项。
(这会使图片顺时针或逆时针旋转。)
- **信息**：显示图片信息，包括名称和大小等等。

注

- 要启用背景音乐功能，音乐和 MP3 文件必须包含在同一个文件夹中。但是，声音质量可能会受 MP3 文件的位速率、照片的大小和编码方法影响。

使用 USB 存储设备播放

可以使用 USB 连接来播放从 USB 存储设备下载的多媒体文件 (MP3、JPEG、DivX 等等)。

1. 移至主菜单。
2. 在停止模式中，将 USB 存储设备连接到产品前面板上的 USB 端口。
将会显示消息“是否要更改设备?”。
3. 按 ◀▶ 按钮选择**是**，然后按**确认**按钮。
4. 按**红色 (A)** 按钮或**蓝色 (D)** 按钮。
如果按**红色 (A)** 按钮，请转至步骤 5。
如果按**蓝色 (D)** 按钮，请转至步骤 4-1。



5. 按 ▲▼ 按钮选择 USB，然后按**确认**按钮。
6. 按 ◀▶ 按钮选择所需的视频、音乐或照片，然后按**确认**按钮。转至步骤 7。
- 4-1. 按**蓝色 (D)** 按钮，将出现以下屏幕。转至 5-1。



- 5-1. 按 ◀▶ 按钮选择 USB，然后按**确认**按钮。
- 6-1. 按 ▲▼ 按钮选择所需的视频、音乐或照片，然后按**确认**按钮。
7. 有关播放视频、音乐和照片文件的信息，请参阅第 45~52 页。

注

- 必须安全移除 USB 存储设备 (通过执行“安全移除 USB”功能)，以避免可能损坏 USB 存储器。
按**菜单**按钮移至主菜单，然后按**黄色 (C)** 按钮，接着按**确认**按钮。
- 当音频 CD (CD-DA)、MP3 和 JPEG 文件处于停止模式时，遥控器上的**全屏**按钮不起作用。
- 如果在播放 USB 存储设备时插入光盘，则设备模式会自动更改为“DVD 或 CD”。

网络服务

通过将产品连接至网络，您可以享受 Internet@TV 或 BD-LIVE 等网络服务。

在使用任何网络服务之前，请检查以下说明。

1. 将产品连接至网络。
(请参阅第 27~28 页)
2. 配置网络设置。
(请参阅第 38~42 页)

使用 Internet@TV

将本产品连接至网络以下载各种付费或免费的应用程序。

Internet@TV 将有用的和有趣的内容及服务直接从网站下载到产品，例如新闻、天气预报、股市行情、游戏、电影和音乐。

还可以按遥控器上的 **INTERNET@** 按钮启动此功能。



Internet@TV 入门

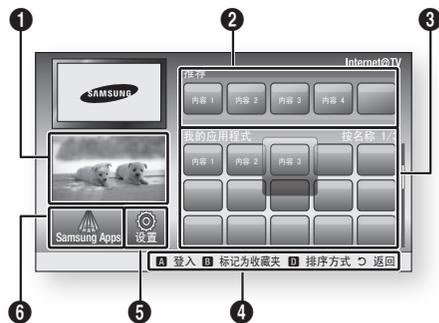
1. 移至主菜单。



2. 按 ◀▶ 按钮选择 **Internet@TV**，然后按 **确认** 按钮。
3. 在 Internet@TV 服务的开始屏幕中，将看到服务协议屏幕。必须同意服务条款和条件才能使用 Internet@TV 服务。

4. 签署服务协议后，Internet@TV 服务将开始更新。此过程需要几分钟。更新完成后，将看到 Internet@TV 菜单屏幕。

Internet@TV 总览



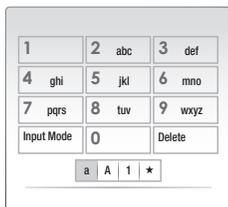
- 1 **宣传**：显示 Internet@TV 指南、产品简介和新应用程序简介。
- 2 **推荐**：显示 Samsung 管理的建议内容。
- 3 **我的应用程序**：显示个人资料库，可于其中添加和删除应用程序。
导航帮助：显示可用的遥控器按钮。
 - 红色 (A)：登录 Internet@TV。
 - 绿色 (B)：将应用程序标记为最爱。
 - 蓝色 (D)：对应用程序进行排序。
 - 返回：返回上一个菜单。
- 5 **设置**：可以设置系统和创建帐户等。
- 6 **Samsung Apps**：可以下载各种付费或免费的应用程序服务。

网络服务

使用小键盘

通过遥控器，您可以在多个 Internet@TV 应用程序中使用屏幕小键盘来输入文本。

使用屏幕小键盘时，按**字幕**按钮可让您将文本字段更改为小写、大写、数字和图标。



例如，以下是使用小键盘来在谷歌地图中搜索地址的示例：

1. 在 Internet@TV 中，在谷歌地图图标上按遥控器上的**确认**按钮。
2. 按**绿色 (B)** 按钮以使用搜索功能。
3. 按 **◀▶** 按钮移至“搜索或地址”窗口。
4. 按**确认**按钮以使用“搜索或地址”功能。
5. 例如，假设您要输入 ‘105 Challenger Rd., Ridgefield Park NJ’。
6. 按遥控器上的**字幕**按钮两次以将输入模式从小写更改为数字。
7. 按 ‘1’、‘0’、‘5’。
8. 按遥控器上的**黄色 (C)** 按钮输入空格。
9. 按遥控器上的**字幕**按钮 3 次以将输入模式从数字更改为大写。
10. 按遥控器上的 ‘2’ 按钮 3 次以输入 C。
11. 按遥控器上的**字幕**按钮 3 次以将输入模式从大写更改为小写。
12. 按遥控器上的按钮输入 ‘Challenger Rd., Ridgefield Park NJ’ 的余下部分。
13. 按**确认**按钮。
14. 地图和地址将出现在屏幕上。

注

- 对于服务提供商由于任何原因导致的 Internet@TV 服务中断，Samsung Electronics 不承担任何法律责任。
- Internet@TV 服务用于通过 Internet 下载和处理数据，以便您可以在电视屏幕上欣赏内容。如果 Internet 连接不稳定，则服务可能会延迟或中断。此外，产品可能会自动关闭。如果出现这种情况，请检查 Internet 连接，然后重试。
- 应用程序服务可能仅以英语提供，并且可用的内容可能会因地区而异。
- 使用应用程序服务时，遥控器上的**全屏**按钮不起作用。
- 有关 Internet@TV 服务的更多信息，请访问相应服务提供商的网站。
- 提供的服务可能会更改，具体视 Internet@TV 服务提供商而定。
- Internet@TV 服务内容可能会因固件版本而异。
- 具有复制保护的付费 DivX 内容只能使用 HDMI 电缆播放。如果使用分量或视频电缆将产品连接至电视，则 DivX 视频信号无法输出，或者会显示弹出消息“使用 HDMI 线进行连接才能播放此文件。”或“无法播放当前文件。”。

帐户登录

要获得更有趣的应用程序体验，请注册并登录您的帐户。

为此，首先必须创建帐户。

(有关创建帐户的说明，请参阅本页上的 Internet@TV ID)

1. 按 ▲▼◀▶ 按钮选择所需的应用程序，然后按**红色 (A)** 按钮。

2. 输入用户帐户和密码。

设置

在此屏幕上创建 ID 并配置 Internet@TV 设置。

系统设置

复位

将 Internet@TV 设置重置为出厂默认设置。

注

- 如果您忘记密码，请在未插入光盘的情况下，按产品前面板上的**停止** (■) 按钮超过 5 秒钟。

Internet@TV ID

使用此菜单来创建或删除帐户，以及输入或删除帐户信息。

可以控制帐户，包括内容站点的帐户信息。

此帐户只用于 Internet@TV。

Create

创建帐户并将它与所需的服务应用程序链接。

注

- 帐户名称的长度至少为 1 个字符，但不超过 8 个字符。
- 最多可以注册 10 个用户帐户名称。

管理器

- **Service Site** : 注册服务站的登录信息。
- **Change Password** : 更改帐户名称的密码。
- **Delete** : 删除帐户名称。

网络服务

服务管理器

删除和锁定安装到 Internet@ TV 的应用程序。

Lock

锁定应用程序。访问锁定的应用程序需要密码。

Delete

删除应用程序。

属性

显示关于 Internet@TV 的信息。使用“检查 Internet 连接的速度”选项来测试网络连接。

Samsung Apps

可从此处获得各种应用程序，这些应用程序分门别类组织。一些应用程序有下载费用。



我的页面

显示应用程序列表。

帮助

如果您对 Internet@TV 存在疑问，请先检查本节。如果任何提示都不适用，请访问帮助网站。

将彩色按钮与 Samsung Apps 配合使用

- **红色 (A) (登入)** : 登录 Internet 服务。
- **绿色 (B) (Thumbnail View)** : 更改视图模式。
- **蓝色 (D) (排序方式)** : 按特色、下载次数排行、最新或名称对应用程序排序。

注

- 可用的 Internet 内容服务可能会添加或删除。

BD-LIVE

一旦将产品连接至网络，就可以使用符合 BD-LIVE 的光盘欣赏各种与电影相关的服务内容。

1. 检查剩余存储器的大小。
存储设备至少必须有 1GB 可用空间才能容纳 BD-LIVE 服务。
2. 插入支持 BD-LIVE 的 Blu-ray 光盘。
3. 从光盘制造商提供的各种 BD-LIVE 服务内容中选择一个项目。

注

- 使用 BD-LIVE 的方式和提供的内容可能会因光盘制造商而异。

软件升级通知

连接到网络后，当有新的软件版本可用时，产品将会通知您。

1. 打开产品。
2. 在 Software Upgrade 菜单中，将 Auto Upgrade Notification 设置为开。
(请参阅第 44 页)
如果有新的软件版本可用，产品将通过弹出消息通知您。
3. 要升级固件，请在弹出消息上选择是。
产品将自动关闭，然后重新启动，接着开始下载。
(此时切勿手动打开产品。)
4. 更新进度弹出窗口将会出现。
更新完成后，产品会再次自动关闭。
5. 按电源按钮以打开产品。

注

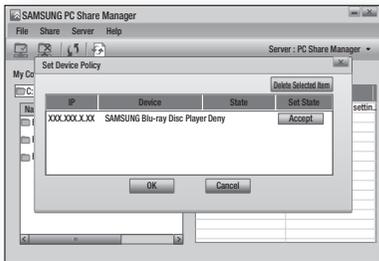
- 当产品在重新启动后关闭时，更新就完成了。
按电源按钮打开更新后的产品以进行使用。
在更新期间，切勿手动关闭或打开产品。
- 对于不稳定的 Internet 连接或在软件升级期间消费者粗心大意造成的产品功能异常，Samsung Electronics 不承担任何法律责任。

使用 AllShare 功能

AllShare 可让您使用产品播放计算机中的音乐、视频和照片文件。

要使用 AllShare，必须通过网络将产品连接至计算机（请参阅第 27~28 页）并在计算机上安装 SAMSUNG PC Share Manager。要安装和使用 Share Manager，请按照下面的步骤操作。

1. 访问 Samsung 网站，
网址为 www.samsung.com。
2. 下载 SAMSUNG PC Share Manager 并将它安装到计算机上。
3. 安装完成后，将在桌面上看到 SAMSUNG PC Share Manager 图标。
双击该图标以启动应用程序。
4. 从“我的电脑”窗格中选择要共享的文件夹，然后单击启用共享文件夹图标（）。
(要移除共享的文件夹：从共享的文件夹中选择要移除的文件夹，然后单击禁用共享文件夹图标（）)。
5. 要将更新的共享状态应用于服务器，请单击设置更改状态图标（）。
6. 要使产品能够找到计算机服务器，请从菜单栏中单击 Share。
单击 Set Device Policy，然后单击 Accept。



7. 单击设置状态更改图标（）并移至产品上的主菜单。

网络服务

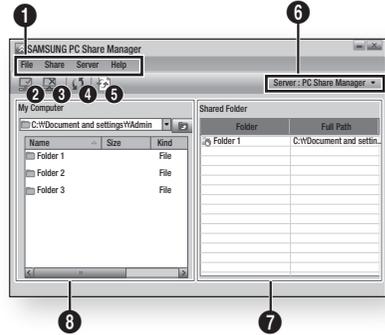
8. 要选择设备, 请使用红色 (A) 或蓝色 (D) 按钮选择要播放的文件。
(有关播放视频、音乐和照片文件的信息, 请参阅第 45~52 页。)



注

- 根据外接调制解调器或路由器的性能, HD 视频可能无法正常播放。
- 如果系统使用防火墙, 则产品可能无法在电视屏幕上找到您的计算机。
- AllShare 不支持下列功能。
 - 背景音乐和背景音乐设置功能。
 - 根据偏好在照片、音乐和电影文件夹中对文件进行排序。
 - 更改群组功能。
 - 安全移除功能。
- 排序方法可能会因服务器功能而异。
- 搜索和跳过操作可能会因服务器功能而异。
- 在视频播放期间, 可能不会显示播放时间。
- 要使用 AllShare 功能, 请将本产品 and 计算机放在同一个子网中。

AllShare 程序总览



1	菜单栏
2	启用共享文件夹图标： 如果要在计算机中选择要共享的文件夹, 请使用此项。
3	禁用共享文件夹图标： 如果要关闭文件夹共享, 请使用此项。
4	刷新图标： 如果要刷新“我的电脑”中文件夹和文件的列表, 请使用此项。
5	设置更改状态图标： 选择要共享的文件夹后, 别忘记按此按钮。会将更新的状态应用于服务器。
6	服务器： 显示共享的服务器的名称。
7	共享的文件夹： 显示共享的文件夹列表。
8	我的电脑： 显示计算机中的文件夹和文件列表。

故障排除

在请求服务之前，请检查下列各项。

问题	解决方案
不能使用遥控器执行任何操作。	<ul style="list-style-type: none"> • 检查遥控器中的电池。它们可能需要更换。 • 在不超过 6.1 米的距离内操作遥控器。 • 取出电池并按下一个或多个按钮几分钟以使遥控器中的微处理器完全放电，以此来重置遥控器。重新安装电池并重试操作遥控器。
光盘不播放。	<ul style="list-style-type: none"> • 请确保安装光盘时标签向上。 • 检查 Blu-ray 光盘 /DVD 的地区代码。
光盘菜单不出现。	<ul style="list-style-type: none"> • 请确保光盘有光盘菜单。
禁止消息出现在屏幕上。	<ul style="list-style-type: none"> • 当按无效的按钮时，此消息就会出现。 • Blu-ray 光盘 /DVD 的软件不支持该功能（例如，视角）。 • 您请求了超出范围的标题号、章节号或搜索时间。
播放模式不同于设置菜单选择。	<ul style="list-style-type: none"> • 在设置菜单中选择的一些功能可能无法正常工作（当光盘未用相应的功能编码时）。
屏幕比例无法更改。	<ul style="list-style-type: none"> • 屏幕比例在 Blu-ray 光盘 /DVD 上是固定的。 • 这不是产品存在问题。
无音频。	<ul style="list-style-type: none"> • 请确保在音频选项菜单中选择了正确的数字输出。
屏幕分块。	<ul style="list-style-type: none"> • 在产品内无光盘的情况下，按前面板上的停止（）按钮超过 5 秒钟。所有设置将恢复为出厂默认设置。 • 恢复出厂默认设置时，将会删除所有存储的用户 BD 数据。
如果 HDMI 输出设置为电视不支持的分辨率（例如，1080p），则可能在电视上看不到图像。	<ul style="list-style-type: none"> • 在产品内无光盘的情况下，按前面板上的停止（）按钮超过 5 秒钟。所有设置将恢复为出厂默认设置。 • 恢复出厂默认设置时，将会删除所有存储的用户 BD 数据。

附录

问题	解决方案
忘记密码。	<ul style="list-style-type: none">在产品内无光盘的情况下,按前面板上的停止 (■) 按钮超过 5 秒钟。所有设置 (包括密码) 将恢复为出厂默认设置。除非绝对必要, 否则不要使用此功能。恢复出厂默认设置时, 将会删除存储在 BD 数据中的所有用户数据。
如果您遇到其他问题。	<ul style="list-style-type: none">转至目录并查找包含有关当前问题的说明的用户手册章节, 并再次按照该程序操作。如果仍然无法解决问题, 请与最近的 Samsung 授权服务中心联系。
图像有杂讯或变形。	<ul style="list-style-type: none">请确保光盘不脏或没有刮花。清洁光盘。
没有 HDMI 输出。	<ul style="list-style-type: none">检查电视与产品的 HDMI 插孔之间的连接。检查电视是否支持 576p/480p、720p、1080i 或 1080p HDMI 输入分辨率。
HDMI 输出屏幕异常。	<ul style="list-style-type: none">如果电视不支持 HDCP (高带宽数字连接保护), 那么屏幕上将出现雪花信噪。
PC Share Manager 功能	
我可以通过 PC Share Manager 看到共享的文件夹, 但我看不到文件。	<ul style="list-style-type: none">因为 Share Manager 只显示图像、音乐和电视文件, 不会显示不对应于这些类型的文件。
AllShare 功能	
视频播放时断断续续。	<ul style="list-style-type: none">检查网络是否稳定。检查网络电缆是否正确连接, 以及网络是否超载。服务器与产品之间的无线网络不稳定。 检查连接。
电视与计算机之间的 AllShare 连接不稳定。	<ul style="list-style-type: none">同一个子网下的 IP 地址应该是唯一的, 否则 IP 冲突会导致此现象。检查是否启用了防火墙。如果启用了防火墙, 请禁用防火墙功能。

问题	解决方案
BD-LIVE	
我无法连接至 BD-LIVE 服务器。	<ul style="list-style-type: none"> 使用网络测试菜单检查网络连接是否成功。（请参阅第 42 页） 检查是否将 USB 存储设备连接至产品。 存储设备至少必须有 1GB 可用空间才能容纳 BD-LIVE 服务。可以在 BD 数据管理中检查可用的大小。（请参阅第 37 页） 请检查 BD-LIVE Internet 连接菜单是否设置为 允许（全部）。 如果上面所有内容都失败，请与内容提供商联系或更新到最新固件。
使用 BD-LIVE 服务时，发生错误。	<ul style="list-style-type: none"> 存储设备至少必须有 1GB 可用空间才能容纳 BD-LIVE 服务。可以在 BD 数据管理中检查可用的大小。（请参阅第 37 页）

注

- 恢复出厂默认设置时，将会删除所有存储的用户 BD 数据。

使用 3D 功能观看电视

重要安全信息。 在您或您的小孩使用 3D 功能之前，请阅读下列警告。

- 建议孕妇、上了年纪的人和癫痫患者以及心脏衰弱或晕车严重的人不要观看 3D 图像。
- 建议身体条件差、睡眠不足或喝了酒的人不要观看 3D 图像。一些 3D 图像可能会惊吓观看者。
- 播放 3D 视频时，不要将锋利或易碎的物品放在您的周围。如果您觉得 3D 视频是真的，身体做出本能反应时，可能会打碎您周围的物品或身体受伤。
- 光敏性发作警告和其他健康风险
 - 一些观看者在观看某些电视图像或视频游戏中包含的某些闪烁图像或光线时，可能会经历癫痫发作或中风。如果您或您的亲戚有癫痫症或中风病史，请在使用 3D 功能之前咨询医学专家。
 - 如果在观看 3D 图像时出现下列症状或状况，请立即停止观看并休息：头晕、眼睛或面部僵直、不由自主的移动、痉挛、神志不清、精神紊乱、迷惘或恶心。（如果症状持续存在，请咨询医学专家。）
 - 小孩或青少年在观看 3D 视频时，尤其需要父母的照顾和保护。
 - 当您感到精神不振、昏昏欲睡、疲倦或筋疲力尽时，请不要观看 3D 图像。应避免长时间观看 3D 图像。

附录

规格

规格	重量	1.8 Kg
	尺寸	430 (宽) X 205 (深) X 43 (高) mm
	操作温度范围	+5°C 至 +35°C
	操作湿度范围	10 % 至 75 %
光盘	BD (Blu-ray 光盘)	读取速度 : 4.917 m/秒
	DVD (数字多功能光盘)	读取速度 : 3.49 ~ 4.06 m/秒 大约播放时间 (单面单层光盘) : 135 分钟
	CD : 12cm (压缩光盘)	读取速度 : 4.8 ~ 5.6 m/秒 最大播放时间 : 74 分钟
	CD : 8cm (压缩光盘)	读取速度 : 4.8 ~ 5.6 m/秒 最大播放时间 : 20 分钟
视频输出	复合视频	1 声道 : 1.0 Vp-p (75Ω 负载) Blu-ray/DVD 光盘 : 576i/480i
	分量视频	Y : 1.0 Vp-p (75Ω 负载) Pr : 0.70 Vp-p (75Ω 负载) Pb : 0.70 Vp-p (75Ω 负载) Blu-ray 光盘 : 1080i, 720p, 576p/480p, 576i/480i DVD : 576p/480p, 576i/480i
视频/音	HDMI	2D : 1080p, 1080i, 720p, 576p/480p 3D : 1080p, 720p PCM 多声道音频、位流音频
音频输出	2 声道	L(1/L), R(2/R)
	7.1 声道	F/L, F/R, R/L, R/R, C/T, S/W, SBR, SBL
	数字音频输出	光学
	*频率响应	48 kHz 采样 : 4 Hz 至 22 kHz 96 kHz 采样 : 4 Hz 至 44 kHz
	*信噪比	110 dB
	*动态范围	100 dB
	*总谐波失真	0.003%

*: 标称规格

- 设计和规格可能会随时更改，恕不提前通知。
- 对于电源和功耗，请参阅贴在产品上的标签。
- 重量和尺寸均为近似值。

符合性和兼容性声明

并非所有光盘都兼容

- 受下面所述限制以及整本手册（包括本用户手册的“光盘类型和特征”一节）中说明的那些限制约束，可以播放的光盘类型有：预先录制的商业 BD-ROM、DVD-VIDEO 和音频 CD (CD-DA) 光盘、BD-RE/-R、DVD-RW/-R 光盘和 CD-RW/-R 光盘。
- 本产品不能和 / 或不用于播放上述光盘以外的光盘。并且由于下面提供的一个或多个原因，上面的一些光盘可能不能播放。
- Samsung 不能保证本产品将播放带有 BD-ROM、BD-RE/-R、DVD-VIDEO、DVD-RW/-R、DVD+RW/+R 和 CD-RW/-R 徽标的每张光盘，并且本产品可能不会响应所有操作命令或操作每张光盘的所有功能。造成这些光盘及其他光盘与具有新格式或现有格式光盘的兼容性和产品操作问题的可能原因有：
 - Blu-ray 是新的发展格式，本产品可能不能操作 Blu-ray 光盘的所有功能，因为一些功能可能是在生产本产品品之后增加到 Blu-ray 光盘格式的可选附加功能，并且某些可用的功能可能会延后提供
 - 本产品并不支持所有新的和现有的光盘格式版本；
 - 可能会对新的和现有的光盘格式进行修改、更改、更新、改进和 / 或补充；
 - 一些光盘的制作方式使得在播放期间只允许特定或有限的操作和功能；
 - 一些功能可能是在生产本产品之后增加的可选附加功能，并且某些可用的功能可能会延后提供；
 - 带有 BD-ROM、BD-RE/-R、DVD-VIDEO、DVD-RW/-R、DVD+RW/+R 和 CD-RW/-R 徽标的一些光盘可能仍然是非标准化光盘；
 - 一些光盘可能无法播放，具体视其物理状态或录制条件而定；
 - 在制作 Blu-ray 光盘、DVD 软件和 / 或生产光盘时可能会出现问题和发生错误；
 - 本产品的操作方式不同于标准 DVD 产品或其他 AV 设备
 - 出于本用户手册说明的原因和 SAMSUNG 客户服务中心发现和公布的其他原因。
- 如果您遇到产品兼容性或产生操作问题，请与 SAMSUNG 客户中心联系。还可以与 SAMSUNG 客户中心联系以获取有关本产品的可能更新。
- 有关播放限制和光盘兼容性的其他信息，请参阅本用户手册的“预防措施”、“在阅读本用户手册之前”、“光盘类型和特征”和“在播放之前”等节。

复制保护

- 因为 AACS（高级访问内容系统）已获准成为 Blu-ray 光盘格式的内容保护系统（类似于对 DVD 格式使用 CSS（内容加扰系统）），对受 AACS 保护的内容存在播放、模拟信号输出等特定限制。本产品的操作和对本产品的限制可能会因购买时间而异，因为生产本产品之后，AACS 可能会承继和 / 或更改那些限制。另外，BD-ROM 标记和 BD+ 另用作 Blu-ray 光盘格式的内容保护系统，它们施加特定限制，包括对含有 BD-ROM 标记和 / 或受 BD+ 保护内容的播放限制。要获取有关 AACS、BD-ROM 标记、BD+ 或本产品的其他信息，请与 SAMSUNG 客户中心联系。

附录

- 许多 Blu-ray 光盘 /DVD 光盘在编码时带复制保护。因此，只应将产品直接连接到电视，不能连接至 VCR。连接至 VCR 可能会导致受复制保护的 Blu-ray 光盘 /DVD 光盘产生变形的图像。
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Kazakhstan	8-10-800-500-55-500	
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Bahrain	8000-4726	
Jordan	800-22273	



产品内有害物质信息

部件名称	有毒有害物质元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 Cr(VI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印制电路板组件	X	○	○	○	○	○
金属部品	X	○	○	○	○	○
电缆	X	○	○	○	○	○
塑料部品	○	○	○	○	○	○

○：部品中有毒有害物质含量在〈含量标准〉的标准值内
X：部品中有毒有害物质含量超出〈含量标准〉的标准值

本表格表明机器内部含有有害物质，数据是根据部件类型，由部件制作商提供并在三星电子内部验证后做成的。
某些部品包含的有害物质，按照现在的技术基准不能替代，三星电子一直在为改善此项而努力。

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