

Blu-ray™ Disc Player

user manual

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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.

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 supported:

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

For High-Definition Playback

To view high-definition contents on a Blu-ray Disc, you need an HDTV (High Definition Television). Some Blu-ray Discs may require you to use the player'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.

BD-LIVE

You can use a Blu-ray Disc that supports BD-LIVE to download content provided by the disc manufacturer through a network connection.

Blu-ray Disc Player Features

3D

This player 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 player using an HDMI cable, and play the 3D content while wearing 3D vision glasses.

Smart Hub

You can download various for pay or free-of-charge applications through a network connection. These applications provide a range of Internet services and content including news, weather forecasts, stock market quotes, games, movies, and music.

AllShare

You can play videos, music, and photos saved on your devices (such as your PC, mobile phones, or NAS) through a network connection.

Playing multimedia files

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

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 molded 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.

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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 a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including AV receivers) 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.

Viewing using 3D function

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D PICTURES.

Read and understand the following safety information before using the 3D function.

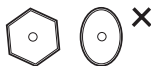
- Some viewers may experience discomfort while viewing 3D TV such as dizziness, nausea, and headaches.
If you experience any such symptom, stop viewing 3D TV, remove the 3D Active Glasses, and rest.
- Watching 3D images for an extended period of time may cause eye strain. If you feel eye strain, stop viewing 3D TV, remove your 3D Active Glasses, and rest.
- A responsible adult should frequently check on children who are using the 3D function. If there are any reports of tired eyes, headaches, dizziness, or nausea, have the child stop viewing 3D TV and rest.
- Do not use the 3D Active Glasses for other purposes (such as general eyeglasses, sunglasses, protective goggles, etc.)
- Do not use the 3D function or 3D Active Glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may cause you to bump into objects, trip, and/or fall, and cause serious injury.

Disc Storage & Management

Disc Handling

Disc Shape

- Use discs with regular shapes. If you use an irregular disc (a disc with a special shape), you can damage the player.



Holding discs

- Avoid touching the surface of a disc where data has been recorded.



Blu-ray Discs

- Do not leave a Blu-ray Disc in the player for long periods of time. Remove the Blu-ray Disc from the player and store it in its case.
- Be careful not to scratch or leave fingerprints 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 player 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, unplug the player, wait for two hours, and then connect 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 sprays or antistatic sprays to clean discs. 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 player, be sure to turn them off.
- Do not move the player while it is playing a disc. The disc can be scratched or damaged and the player's internal parts can be damaged.
- Do not put a flower vase filled with water or any small metal objects on the player.
- Be careful not to put your hand into the disc slot.
- Do not place anything other than the disc in the disc slot.
- Interference from exterior sources such as lightening and static electricity can affect the normal operation of this player. If this occurs, turn the player off and on again with the 電源 button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.
- Be sure to remove the disc and turn off the player after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the player 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 player to any liquid.
- When the AC plug is connected to a wall outlet, the player will still draw power (standby mode) when it is turned off.



Safety Information

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

Maintenance of Cabinet

Before you clean the Blu-ray Disc's cabinet, be sure to disconnect the AC power cord from the AC outlet.

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

Restrictions on Playback

- This player may not respond to all operating commands because some Blu-ray Disc, DVD, and CD discs allow specific or limited operation and provide only certain features during playback.

Please note that this is not a defect in the player.

- Samsung cannot guarantee that this player 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, and 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 Disc, DVD, or CD discs in this player. Also, refer to rest of this user manual for additional information on playback restrictions.

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Getting Started

Before using the User Manual

Disc Types and Contents your player can play

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

NOTE

- The player may not play certain CD-RW/-R and DVD-R because of 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.
- Your player will not play content that has been recorded on a DVD-R at a bit-rate that exceeds 10 Mbps.
- Your player will not play content that has been recorded on a BD-R or USB device at a bit rate that exceeds 30 Mbps.

Disc types your player cannot play

- 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.

Getting Started

NOTE

- Some commercial discs and DVDs purchased outside your region may not play on this player.
- Playback may not work for some types of discs, or when you use specific operations, such as angle change and aspect ratio adjustment. 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 you play a BD-J title, loading may take longer than a normal title or some functions may perform slowly.
- This player may not respond to all operating commands because some Blu-ray Disc, DVD, and CD discs allow specific or limited operation and provide only certain features during playback. Please note that this is not a defect in the player.
- Samsung cannot guarantee that this player 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, and 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 Disc, DVD, or CD discs in this player. 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

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

BD-RE/-R

Blu-ray RE/-R discs can be recorded on and played back.

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

DVD-VIDEO

- This player can play back pre-recorded commercial DVDs (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 player.

DVD-RW/-R/+R

This player can play back a DVD-RW/-R/+R disc recorded and finalized with a DVD video recorder. The ability to play back may depend on recording conditions.

DVD+RW

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

Audio CD (CD-DA)

- This player can play back CD-DA format audio CD-RW/-R discs.
- The player 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 an 800MB (90 minute) or larger 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 play on this player, 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 the contents and discs.

AVCHD (Advanced Video Codec High Definition)

- This player can play back 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 compresses images with greater efficiency than the conventional image compressing format.
- Some AVCHD discs use the "x.v.Color" format. This player can play back AVCHD discs that use "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 players and discs are coded by region. These regional codes must match for a disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is displayed on the rear panel of the player.

Disc Type	Region Code	Area
Blu-ray Disc		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

Supported File Formats

Notes on the USB connection

- Your player supports USB storage media, MP3 players, digital cameras, and USB card readers.
- The player does not support folder or file names longer than 128 characters.
- Some USB/digital camera devices may not be compatible with the player.
- Your player supports the FAT16, FAT32, and NTFS files systems.
- Connect USB devices directly to the player's USB port. Connecting through a USB cable may cause compatibility problems.
- Inserting more than one memory device into a multi-card reader may cause the reader to operate improperly.
- The player does not support the PTP protocol.
- Do not disconnect a USB device during a "loading" process.
- The bigger the image resolution, the longer the image takes to display.
- This player cannot play MP3 files with DRM (Digital Rights Management) downloaded from commercial sites.
- External HDD device is not supported.
- Your player only supports the video that is under 30fps (frame rate).

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	MP3 AC3 DTS	1920x1080
		DivX 5.1/6.0		1920x1080
		XviD		1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV (wmv9)	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	1920x1080
		MPEG2	AC3	1920x1080
		H.264 BP/MP/HP	DTS	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

Logos of Discs the player can play

			
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

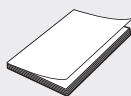
Check for the supplied accessories below.



Audio/Video cable



Batteries for Remote Control (AAA Size)

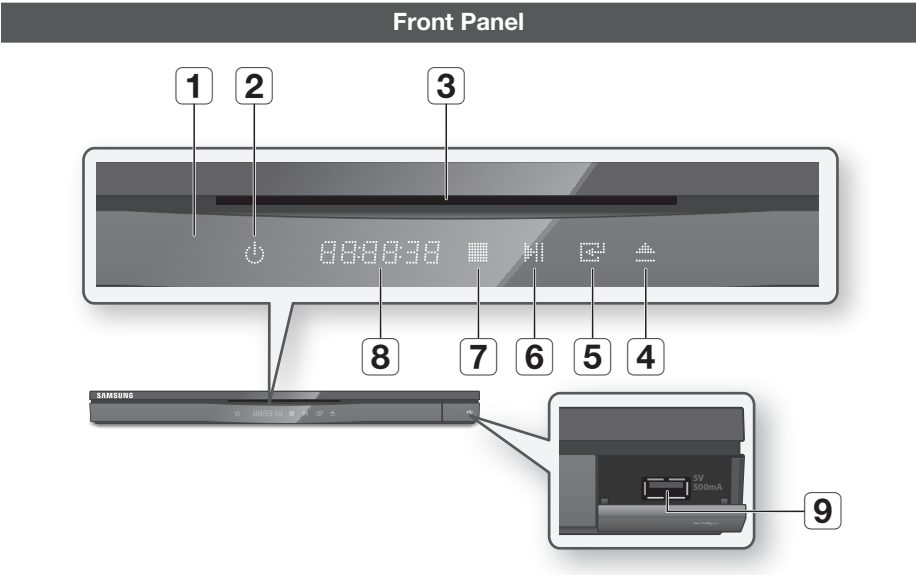


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Remote Control

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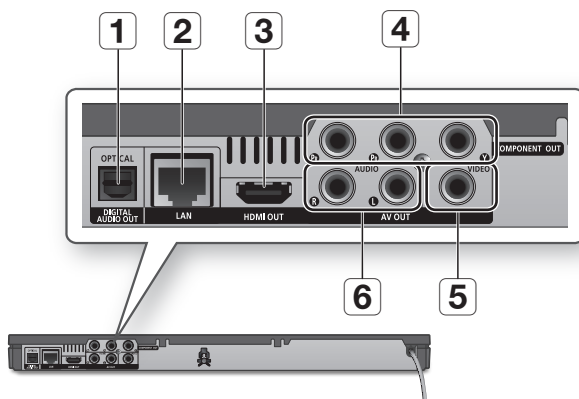


1	REMOTE CONTROL SENSOR	Detects signals from the remote control.
2	POWER BUTTON	Turns the player on and off.
3	DISC SLOT	Inserts a disc.
4	EJECT BUTTON	Ejects a disc.
5	ENTER BUTTON	Selects menu items or starts a disc.
6	PLAY/PAUSE BUTTON	Plays a disc or pauses playback.
7	STOP BUTTON	Stops disc playback.
8	DISPLAY	Displays the playing status, time, etc.
9	USB HOST	You can connect a USB memory flash stick here and use it as storage when the player is connected to BD-LIVE. You can also use the USB Host for software upgrades and MP3/JPEG/DivX/MKV/MP4 playback.

 NOTE

- You can perform software upgrades using the USB Host jack with a USB memory flash stick only.
- When the player displays the Blu-ray Disc menu, you may not start the movie by pressing the Play button on the player or the remote. To play the movie, you must select Play Movie or Start in the disc menu, and then press the **ENTER** button.

Rear Panel

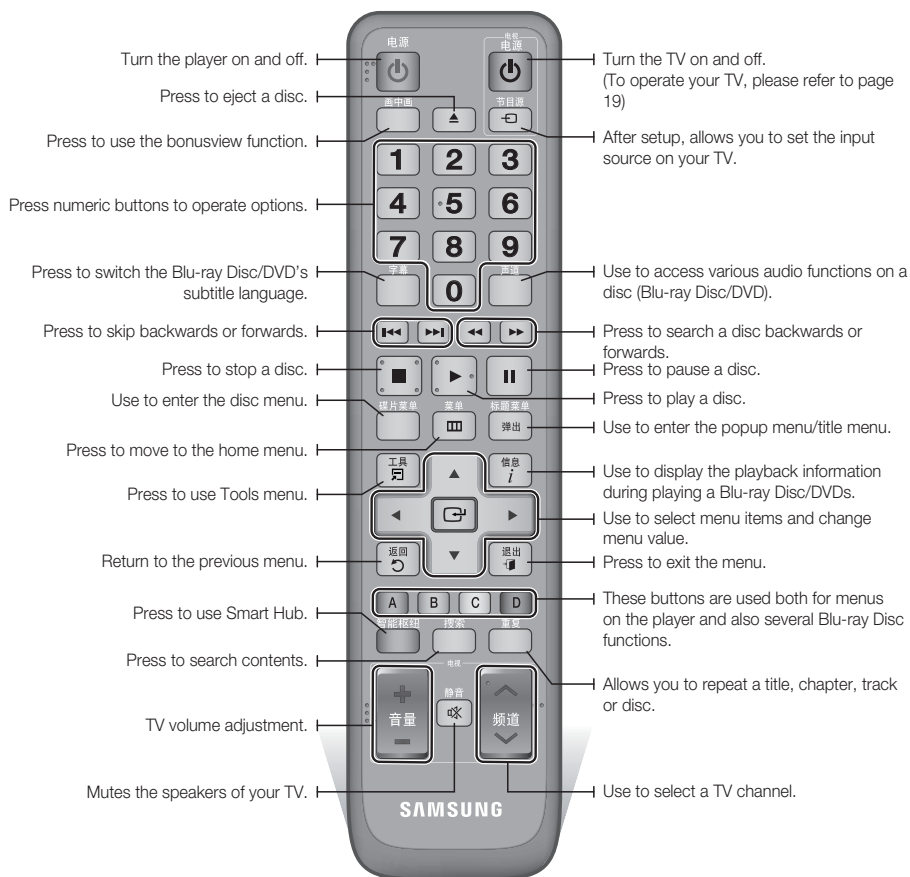


1	DIGITAL AUDIO OUT	Connects to an AV receiver.
2	LAN	Use for network based services (See pages 54~63), BD-LIVE, and software upgrades using a network connection.
3	HDMI OUT	Using an HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture or to your AV receiver for the best quality sound.
4	COMPONENT OUT	Connects to external devices that have Component video input.
5	VIDEO OUT	Connects to the video input of external devices using a video cable.
6	AUDIO OUT	Connects to the audio input of external devices using audio cables.

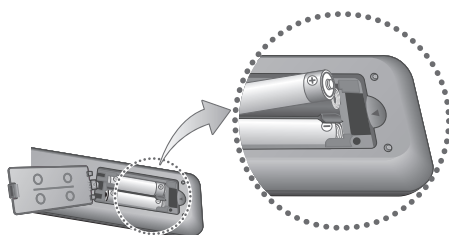
Getting Started

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

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

Setting the Remote Control to Operate Your TV

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, use the TV remote control.

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 then enter the two-figure code in the table to the right that corresponds 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.

The remote is now programmed to operate the TV.

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.

TV Control Codes

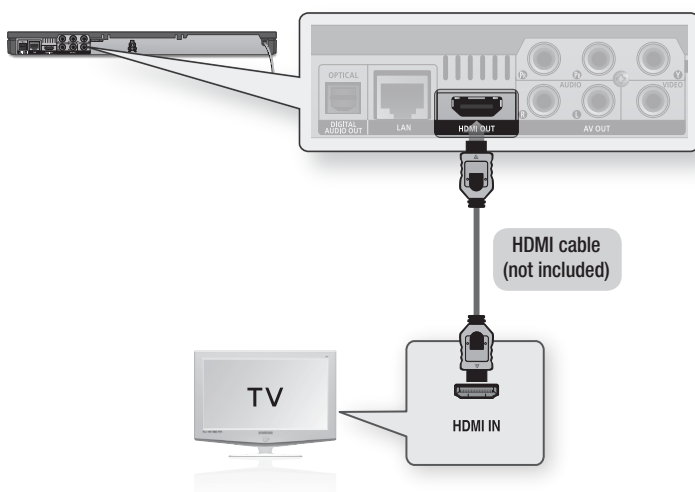
Brand	Code	Brand	Code
SAMSUNG	电视电源+01, +02, +03, +04, +05, +06, +07, +08, +09	NOBLEX	电视电源+66
		NOKIA	电视电源+74
AIWA	电视电源+82	NORDMENDE	电视电源+72, +73, +75
ANAM	电视电源+10, +11, +12, +13, +14, +15, +16, +17, +18	PANASONIC	电视电源+53, +54, +74, +75
		PHILIPS	电视电源+06, +55, +56, +57
BANG & OLUFSEN	电视电源+57	PHONOLA	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	TELEAUA	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 player to the **HDMI IN** terminal of your TV.
2. Turn on the player and TV.
3. Press the input selector on your TV remote control until the HDMI signal from the player appears on your TV screen.
 - If you have set the 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.

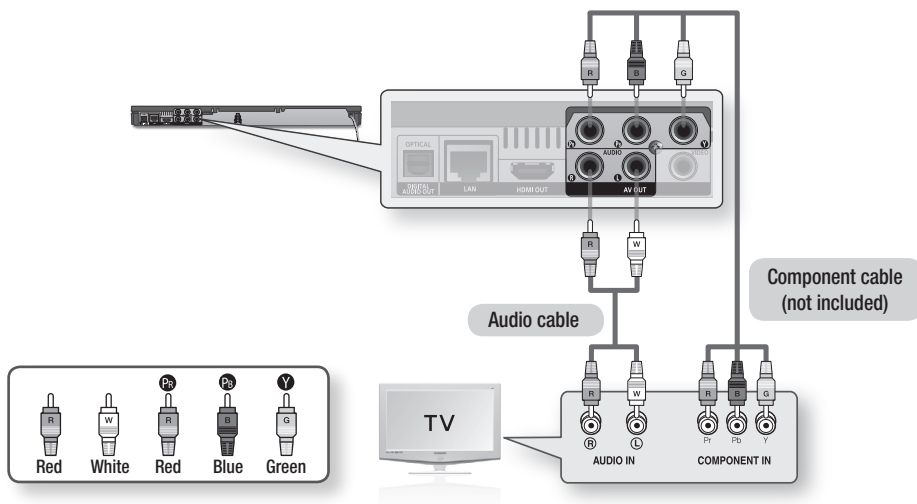


NOTE

- An HDMI cable outputs digital video/audio, so you don't need to connect an audio cable.
- If the player is connected to your TV in the 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 player to the TV using the HDMI cable for the first time or to a new TV, the HDMI output resolution will be automatically set to the highest supported by the TV.
- You must have an HDMI connection to enjoy videos with 3D technology.
- A long HDMI cable may cause a screen noise. If this occurs, set Deep Colour to Off in the menu.
- If you use HDMI-to-DVI cable to connect to your display device, you must also connect the AV Out or Digital Audio Out to your display device or an audio system to hear audio.

Case 2 : Connecting to a TV with a Component Cable - Better Quality

- You can connect the player 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 a Component video cable, connect the **COMPONENT OUT** terminals on the rear of the player to the **COMPONENT IN** terminals of your TV.
 2. Using audio cables, connect the **AUDIO OUT (red and white)** terminals on the rear of the player to the **AUDIO IN (red and white)** terminals of your TV.
 3. Turn on the player and TV.
 4. Press the input selector on your TV remote control until the "COMPONENT" signal from the player appears on the TV screen.
 - If you have set the 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.



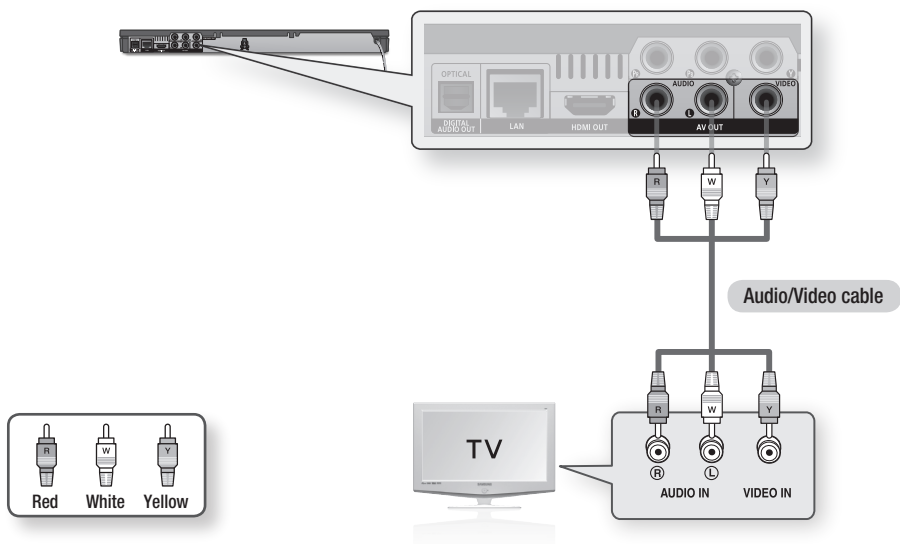
NOTE

- 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 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 as 1080i, 720p, 576p/480p, or 576i/480i depending on the contents type. (See pages 30~32)
- The actual resolution may differ from the setting in the setup menu if you have connected both Component and HDMI cables. The resolution may also be different depending on the contents type. (See pages 30~32)

Connections

Case 3 : Connecting to a TV with an Audio/Video cable - Good Quality

1. Using an Audio/Video cable, connect the **VIDEO OUT (yellow)** / **AUDIO OUT (red and white)** terminals on the rear of the player to the **VIDEO IN (yellow)** / **AUDIO IN (red and white)** terminals of your TV.
2. Turn on the player and TV.
3. Press the input selector on your TV remote control until the "VIDEO" signal from the player appears on the TV screen.
 - If you have set the 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 AV receiver, please refer to the AV receiver connection pages. (See pages 23~24)
- The number and position of input terminals may vary depending on your TV set. Please refer to the user manual of your TV.

! CAUTION

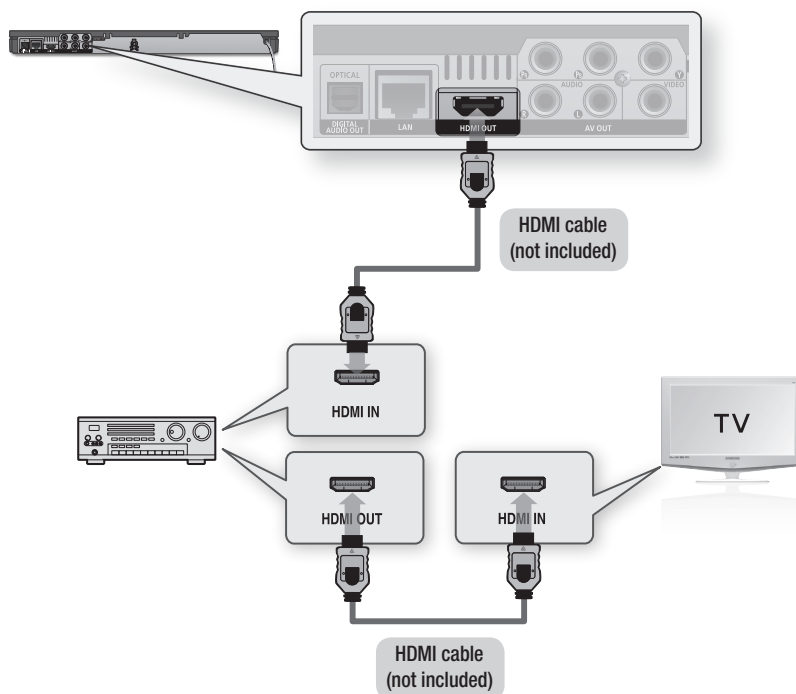
- Do not connect the player to your TV through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Connecting to an Audio System

- Please turn the volume down when you turn on the AV receiver. A sudden loud sound may cause damage to the speakers and your ears.
- Set the audio output format according to the capabilities of your AV receiver. (See pages 33–35)
- The position of HDMI input terminals may vary depending on your AV receiver. Please refer to the user manual of your AV receiver.

Case 1 : Connecting to an Audio System (HDMI supported AV receiver) - Best Quality (Recommended)

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



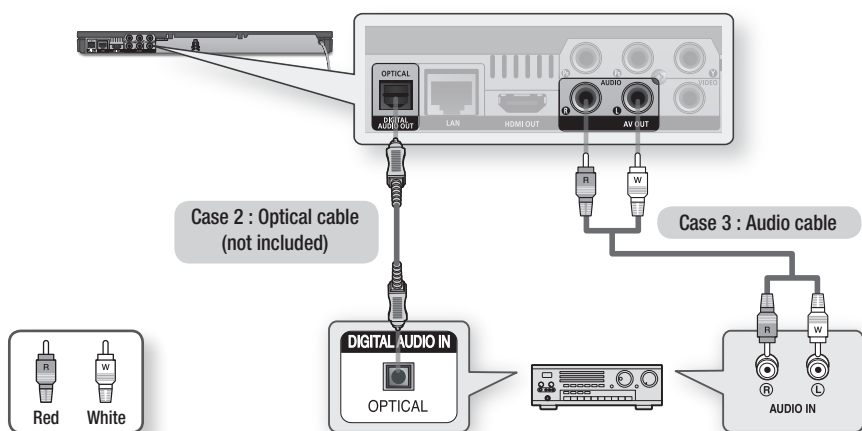
Connections

Case 2 : Connecting to an Audio System (AV receiver with Dolby Digital or DTS decoder) - Better Quality

1. Using an optical cable, connect the **DIGITAL AUDIO OUT (OPTICAL)** terminal on the rear of the player to the **DIGITAL AUDIO IN (OPTICAL)** terminal of your AV receiver.
2. Using the video signal cable(s), connect the **HDMI, COMPONENT, or VIDEO OUT** terminals on the rear of the player to the **HDMI, COMPONENT, or VIDEO IN** terminal of your TV. (See pages 20~22)
3. Turn on the player, TV, and AV receiver.
4. Press the input select button of the AV receiver to select the external input and hear sound from the player. Refer to your AV receiver's user manual to set the AV receiver's audio input.
5. Press the input selector on your TV remote control to select the video source (HDMI, Component, or Video.)

Case 3 : Connecting to an Audio System (Stereo Amplifier) - Good Quality

1. Using the audio cables, connect the **AUDIO OUT (red and white)** terminals on the rear of the player to the **AUDIO IN (red and white)** terminals of your Stereo Amplifier.
2. Using the video signal cable(s), connect the **HDMI, COMPONENT, or VIDEO OUT** terminals on the rear of the player to the **HDMI, COMPONENT, or VIDEO IN** terminal of your TV. (See pages 20~22)
3. Turn on the player, TV and Stereo Amplifier.
4. Press the input select button of the Stereo Amplifier to select the external input in order to hear sound from the player. Refer to your Stereo Amplifier's user manual to set the Stereo Amplifier's audio input.
5. Press the input selector on your TV remote control to select the video source (HDMI, Component, or Video.)



NOTE

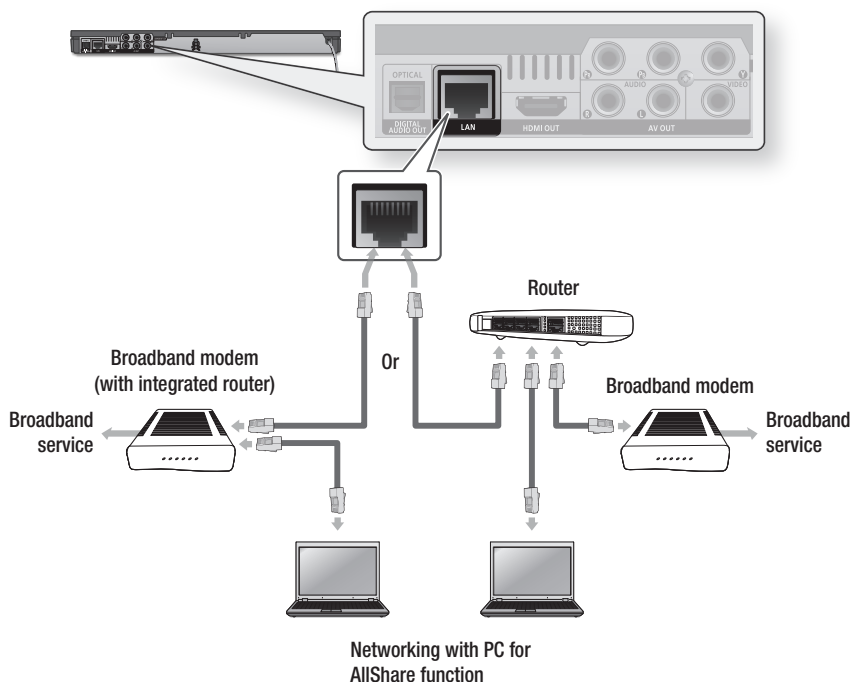
- If you use the Digital Audio connection described in Case 2, you will hear only front two speakers with Digital Output setting as PCM.

Connecting to the Network

This player lets you use network based services (See pages 54~63) such as Smart Hub and BD-LIVE, and software upgrades when it is connected to a network. We recommend using an AP (Access Point) or IP router for the connection. For more information on router connections, 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 player to the LAN terminal of your modem or router.
2. To set the network options, see pages 36~40.



NOTE

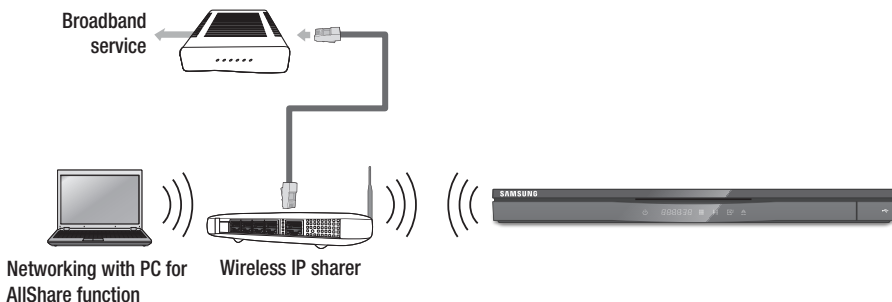
- Internet access to Samsung's software update server may not be allowed, depending on the router you use or your ISP's policy. For more information, contact your ISP (Internet Service Provider).
- For DSL users, please use a router to make a network connection.
- To use the AllShare function, you must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

Connections

Wireless Network

Your player has built in Wi-Fi capability. You can connect to a network through a Wireless IP sharer (a router or modem).

To set the network options, see pages 36~40.



NOTE

- To use a wireless network, your player must be connected to a wireless IP sharer (router). If the wireless IP sharer supports DHCP, your player can use a DHCP or static IP address to connect to the wireless network.
- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communication failure.
- If Pure High-throughput (Greenfield) 802.11n mode is selected and the Encryption type is set to WEP, TKIP or TKIP-AES (WPS2Mixed) for your AP, this player will not support a connection in compliance with new Wi-Fi certification specifications.
- If your AP supports WPS (Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or PIN (Personal Identification Number). WPS will automatically configure the SSID and WPA key in either mode.
- You can setup a wireless network three ways:
 - Wireless (General)
 - Using WPS(PBC).
 - One Foot Connection

Wireless (General) includes both Automatic and Manual setup procedures.

- 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.
- The player supports only the following wireless security key protocols :
 - WEP (OPEN/SHARED), WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/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

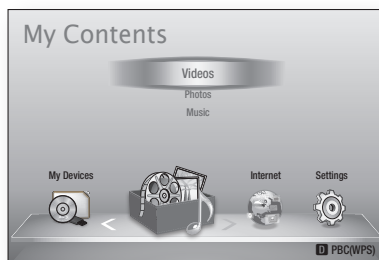
Initial Settings

1. Turn on your TV after connecting the player. When you connect the player to a TV for the first time, player turns on automatically and the Initial Settings screen appears.



2. Press the ◀▶ buttons to select the desired language, and then press the **ENTER** button.
3. Press the **ENTER** button to select **Start**.
4. Press the ▲▼ buttons to select the desired TV Aspect Ratio, and then press the **ENTER** button. (See page 30)
5. Press the ▲▼ buttons to select the desired Network Settings : **Wired**, **Wireless (General)**, **WPS(PBC)** or **One Foot Connection**, and then press the **ENTER** button. If you do not know the details of your Network Settings, press the **BLUE (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 36~40 for more information about the Network settings. When done, go to Step 6.
6. The Home menu appears. (For more information about the Home menu, please see page 28.)

• Home Menu



NOTE

- When the player is connected to the TV for the first time, the player turns on automatically. This is not a malfunction.
- The Home menu will not appear if you do not configure the initial settings except as noted below.
- If you press the **BLUE (D)** button during the network setup, you can access the Home menu even if the network setup is not completed yet.
- If you want to display the Initial Setting screen again to make changes, select the Reset option. (See page 41)
- If you use an HDMI cable to connect the player to an **Anynet+(HDMI-CEC)**-compliant Samsung TV and 1.) You have set the **Anynet+(HDMI-CEC)** feature to **On** in both the TV and the player and 2.) You have set the TV to a language supported by the player, the player will select that language as the preferred language automatically.
- If you leave the player in the stop mode for more than 5 minutes without using it, a screen saver will appear on your TV. If the player is left in the screen saver mode for more than 20 minutes, the power will automatically turn off.

Setup

Accessing the Settings Menu

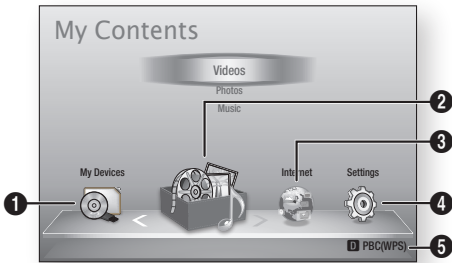


1	菜单 Button : Press to move to the Home menu.
2	返回 Button : Return to the previous menu.
3	ENTER / DIRECTION Button : Move the cursor or select an item. Activate the currently selected item. Confirm a setting.
4	退出 Button : Press to exit the current menu.

To access the Settings menu and sub-menus, follow these steps:

1. Press the **电源** button.
The Home Menu appears.

• Home Menu



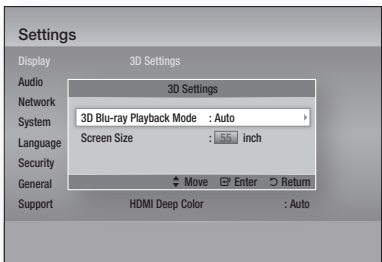
1	Selects My Devices.
2	Selects My Contents.
3	Selects Internet.
4	Selects Settings.
5	Displays the buttons available.

2. Press the **◀▶** buttons to select **Settings**, and then press the **ENTER** button.
3. Press the **▲▼** buttons to select the desired submenu, and then press the **ENTER** button.
4. Press the **▲▼** buttons to select the desired item, and then press the **ENTER** button.
5. Press the **退出** button to exit the menu.

NOTE

- When the player is connected to a network, select **Smart Hub** from the Home menu.
Download the desired content from **Samsung Apps**.
(See pages 61~63)
- The access steps may differ depending on the menu you selected.
- The OSD (On Screen Display) may change in this player after you upgrade the software version.

• Settings menu



Above : The Settings menu showing the 3D Settings sub-menu.

The following menu items are on the Settings Menu :

- Display
- Audio
- Network
- System
- Language
- Security
- General
- Support

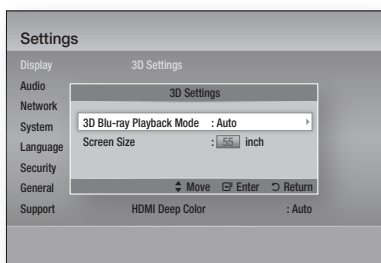
The menu items are addressed in the order listed above on the following pages, starting with Display.

Display

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

3D Settings

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



3D Blu-ray Playback Mode

3D Blu-ray Discs are available in two formats: Blu-ray 3D and 3D only. You can choose to watch a Blu-ray 3D disc in 3D or 2D mode before playing the disc.

- **Auto** : Automatically detect if a connected TV has 3D capability and play a Blu-ray 3D disc in 3D or 2D accordingly or a 3D only disc in 3D if the TV supports 3D.
3D only discs will not be played if your TV does not support 3D.
- **3D → 3D** : Play 3D only and Blu-ray 3D discs in 3D mode at all times.
- **3D → 2D** : Play Blu-ray 3D discs in 2D mode at all times. 3D only discs will not be played.

NOTE

- For some 3D discs, to stop a movie during 3D playback, press the **STOP** () button once. The movie stops and the 3D mode option is de-activated. To change a 3D option selection when you are playing a 3D movie, press the **STOP** () button once. The Blu-ray menu appears. Press the **STOP** () button again, then select 3D Settings in the Blu-ray menu.
- Depending on the content and the position of the picture on your TV screen, you may see vertical black bars on the left side, right side, or both sides.

Screen Size

Lets you enter the actual screen size of your TV so that the player can adjust the image according to the screen size and display an optimal 3D image. (For 3D displays bigger than 116 inches, simply setting it as 116 is also a safe choice.)

! CAUTION

- If you want to enjoy 3D content, connect a 3D device (3D compliant AV receiver or TV) to the player's HDMI OUT port using a high-speed HDMI cable. Put on 3D glasses before playing the 3D content.
- The player outputs 3D signals only through HDMI cable connected to 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, screen size adjustment, and resolution adjustment may not operate properly in 3D play mode.
- You must use a high-speed HDMI cable for proper output of the 3D signal.
- Stay at least three times the width of the screen from the TV when watching 3D images. For example, if you have a 46 inch screen, stay 138 inches (11.5 feet) from the screen.
 - Place the 3D video screen at eye level for the best 3D picture.
- When the player is connected to some 3D devices, the 3D effect may not function properly.
- This player does not convert 2D content into 3D.
- "Blu-ray 3D" and "Blu-ray 3D" logo are trademarks of the Blu-ray Disc Association.

Setup

TV Aspect

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

- **16:9 Original** : Select when you connect the player to a 16:9 TV screen. The player will display all content in its original aspect ratio. Content formatted in 4:3 will be displayed with black bars on the left and right.
- **16:9 Full** : Select when you connect the player to a 16:9 TV screen. All content will fill the full screen. Content formatted in 4:3 will be stretched.
- **4:3 Letter Box** : Select when you connect the player to a 4:3 TV screen. The player will display all content in its original aspect ratio. Content formatted in 16:9 will be displayed with black bars on the top and bottom.
- **4:3 Pan-Scan** : Select when you connect the player to a 4:3 TV screen. 16:9 content will have the extreme left and right portions 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 to be distorted.
- If you select the 16:9 Original, your TV may display 4:3 Pillarbox (black bars on sides of picture).

Smart Hub Screen Size

Set the Smart Hub Screen to the optimal size.

- **Size 1** : Smart Hub screen size will be smaller than default. You may see some black on sides of screen.
- **Size 2** : This is the default setting for Smart Hub. The player displays the normal Smart Hub screen size.
- **Size 3** : This will display a larger Smart Hub screen size. The image may be too large for your TV screen.

BD Wise (Samsung Players only)

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

When you connect a Samsung player and a Samsung TV with BD Wise to each other via HDMI, and BD Wise is on in both the player and TV, the player outputs video at the video resolution and frame rate of the Blu-ray Disc/DVDs.

- **Off** : The output resolution stays fixed at the resolution you set previously in the Resolution menu, regardless of the resolution of the disc. See Resolution below.
- **On** : The player outputs video at the original resolution and frame rate of the Blu-ray Disc/DVDs.

NOTE

- When BD Wise is on, the Resolution setting automatically defaults to BD Wise and BD Wise appears in the Resolution menu.
- If the player 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 player and the TV to **On**.

Resolution

Lets you set the output resolution of the Component and HDMI video signal to Auto, 1080p, 1080i, 720p, 576p/480p, or 576i/480i. The number indicates the number of lines of video per frame. The i and p indicate interlaced and progressive scan, respectively. The more lines, the higher the quality.

- **Auto** : Automatically sets the output resolution to the connected TV's maximum resolution.
- **BD Wise** : Automatically sets the resolution to the resolution of the Blu-ray Disc/DVDs if you have connected the player via HDMI to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to **On**. See BD Wise above.)
- **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/E-contents/Digital Contents playback

Setup \ Output	HDMI / connected			HDMI / not connected		
	HDMI Mode		Component/ VIDEO Mode	Component Mode		VIDEO Mode
	Blu-ray Disc	E-contents/ Digital contents		Blu-ray Disc	E-contents/ Digital contents	
BD Wise	Resolution of Blu-ray Disc	1080p	576i/480i	-	-	-
Auto	Max. Resolution of TV input	Max. Resolution of TV input	576i/480i	-	-	-
1080p	1080p	1080p	576i/480i	-	-	-
Movie Frame : Auto (24Fs)	1080p@24F	1080p@24F	480i	-	-	-
1080i	1080i	1080i	576i/480i	576i/480i	576p/480p	576i/480i
720p	720p	720p	576i/480i	576i/480i	576p/480p	576i/480i
576p/480p	576p/480p	576p/480p	576i/480i	576i/480i	576p/480p	576i/480i
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
BD Wise	576i/480i	576i/480i	-	-
Auto	Max. Resolution of TV input	576i/480i	-	-
1080p	1080p	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

Setup

NOTE

- If the TV you connected to the player does not support Movie Frame or the resolution you selected, the message "If no pictures are shown after selecting 'Yes', please wait for 15 seconds to return to the previous resolution. Do you want to change the resolution?" appears.
If you select **Yes**, the TV's screen will go blank for 15 seconds, and then the resolution will revert to the previous resolution automatically.
- If the screen stays blank after you have changed the resolution, remove all discs, and then press and hold the **STOP** () button on the front of the player for more than 5 seconds. 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 stored user BD data is deleted.
- The Blu-ray Disc must have the 24 frame feature for the player to use the Movie Frame (24Fs) mode.
- If both HDMI and Component jacks are connected and you are currently viewing Component output, the resolution is fixed to 576i/480i.

HDMI Color Format

Lets you set the colour space format for HDMI output to match the capabilities of the connected device (TV, monitor, etc).

- **Auto** : Automatically sets the player to the optimum format supported by your device.
- **YCbCr (4:4:4)** : If your TV supports the YCbCr colour space via HDMI, select this to output the normal YCbCr colour gamut.
- **RGB (Standard)** : Select this to output the normal RGB colour gamut.
- **RGB (Enhanced)** : If you have connected the player to a DVI display device such as a monitor, select this to output the enhanced RGB colour gamut.

Movie Frame (24Fs)

Setting the Movie Frame (24Fs) feature to **Auto** allows you to adjust the player'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. You can select Movie Frame only when the player is in the HDMI 1080i or 1080p output resolution modes.

- **Auto** : Movie Frame (24Fs) functions work.
- **Off** : Movie Frame (24Fs) functions are off.

HDMI Deep Color

Lets you output video from the HDMI OUT jack with Deep Colour. Deep Colour provides more accurate colour reproduction with greater colour depth.

- **Auto** : The player outputs video with Deep Colour to a connected TV which supports HDMI Deep Colour.
- **Off** : The picture is output without Deep Colour.

Still Mode

Lets you set the type of picture the player displays when you pause DVD playback.

- **Auto** : Automatically shows 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.

Progressive Mode

Lets you improve picture quality when viewing DVDs.

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

Audio

Digital Output

You set the Digital Output to match the capabilities of the AV receiver you've connected to the player :

- **PCM** : Choose if you have connected an HDMI supported AV receiver.
- **Bitstream (Unprocessed)** : Select if you have connected an HDMI supported AV receiver with Dolby TrueHD and DTS-HD Master Audio decoding capabilities.
- **Bitstream (Re-encoded DTS)** : Choose if you have connected an AV receiver using a Digital Optical input that can decode DTS.
- **Bitstream (Re-encoded Dolby D)** : Select if you don't have an HDMI supported AV receiver, but have an AV receiver with Dolby Digital decoding capabilities.

For more details, please refer to the digital output selection table. (See page 34)

Setup

Digital Output Selection

Setup		PCM		Bitstream (Unprocessed)		Bitstream (Re-encoded DTS)	Bitstream (Re-encoded Dolby D)
Connection		HDMI supported AV receiver	Optical	HDMI supported AV receiver	Optical	HDMI supported AV receiver or Optical	HDMI supported AV receiver or Optical
Audio Stream on Blu-ray Disc	PCM	Up to 7.1ch	PCM 2ch	PCM	PCM 2ch	DTS re-encoded	Re-encoded Dolby Digital *
	Dolby Digital	Up to 7.1ch	PCM 2ch	Dolby Digital	Dolby Digital	DTS re-encoded	Re-encoded Dolby Digital *
	Dolby Digital Plus	Up to 7.1ch	PCM 2ch	Dolby Digital Plus	Dolby Digital	DTS re-encoded	Re-encoded Dolby Digital *
	Dolby TrueHD	Up to 7.1ch	PCM 2ch	Dolby TrueHD	Dolby Digital	DTS re-encoded	Re-encoded Dolby Digital *
	DTS	Up to 6.1ch	PCM 2ch	DTS	DTS	DTS re-encoded	Re-encoded Dolby Digital *
	DTS-HD HRA	Up to 7.1ch	PCM 2ch	DTS-HD HRA	DTS	DTS re-encoded	Re-encoded Dolby Digital *
	DTS-HD MA	Up to 7.1ch	PCM 2ch	DTS-HD MA	DTS	DTS re-encoded	Re-encoded Dolby Digital *
Audio Stream on DVD	PCM	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch
	Dolby Digital	Up to 5.1ch	PCM 2ch	Dolby Digital	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	Up to 6.1ch	PCM 2ch	DTS	DTS	DTS	DTS
Definition for Blu-ray Disc	Any	Decodes the main feature audio and BONUSVIEW audio stream together into PCM audio and adds Navigation Sound Effects.		Outputs only the main feature audio stream so that your AV receiver can decode the audio bitstream. You will not hear BONUSVIEW audio or Navigation Sound Effects.		Decodes the main feature audio and BONUSVIEW audio stream together into PCM audio and adds Navigation Sound Effects, then re-encodes the PCM audio into DTS bitstream.	Decodes the main feature audio and BONUSVIEW audio stream together into PCM audio and adds Navigation Sound Effects, then re-encodes the PCM audio into Dolby digital bitstream or PCM.

* If the Source Stream is 2ch, "Re-encoded Dolby D" Setting are not applied. Output will be LPCM 2ch.

Blu-ray Discs may include three audio streams :

- Main Feature Audio : The audio soundtrack of the main feature.
- BONUSVIEW audio : An additional soundtrack such as the director or actor's commentary.
- Navigation Sound Effects : When you choose some menu navigation, Navigation Sound Effects may sound. Navigation Sound Effects are different on each Blu-ray Disc.

 NOTE

- Be sure to select the correct Digital Output or you will hear no sound or just loud noise.
- If the HDMI device (AV receiver, TV) is not compatible with compressed formats (Dolby digital, DTS), the audio signal outputs as PCM.
- Regular DVDs do not have BONUSVIEW audio and Navigation Sound Effects.
- Some Blu-ray Discs do not have BONUSVIEW audio and Navigation Sound Effects.
- This Digital Output setup does not effect the analogue (L/R) audio or HDMI audio output to your TV. It effects the optical and HDMI audio output when your player is connected to an AV receiver.
- If you play MPEG audio soundtracks, the audio signal outputs as PCM regardless of your Digital Output selections (PCM or Bitstream).

PCM Downsampling

Lets you set 48kHz and 96kHz PCM down-sampling on or off.

- **Off** : Select when the AV receiver connected to the player is 96kHz compatible.
- **On** : Select when the AV receiver connected to the player is not 96kHz compatible. 96kHz signals will be down converted to 48kHz.

 NOTE

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

HDMI

- If your TV is not compatible with compressed multi-channel formats (Dolby Digital, DTS), the player may output PCM 2ch downmixed audio even though you selected Bitstream (either Re-encoded or Unprocessed) in the setup menu.
- If your TV is not compatible with PCM sampling rates over 48kHz, the player 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 if your player detects a Dolby Digital signal.

- **Auto** : The Dynamic Range Control will be set automatically based on the information provided by the Dolby TrueHD Soundtrack.
- **Off** : You can enjoy the movie with the standard Dynamic Range.
- **On** : When Movie soundtracks are played at low volume or through smaller speakers, the system can apply appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.

Downmixing Mode

Lets you select how the player will downmix 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 Mode

You can enjoy multi-channel sound from an Audio CD (CD-DA).

- **Off** : Outputs a 2-channel audio signal through the front speakers only.
- **Cinema** : Select to play 2-channel movie sound over multi-channels.
- **Music** : Select to play 2-channel music over multi-channels.

 NOTE

- If you are using an HDMI supported AV receiver, this option is available when you set Digital Output setup as PCM.

Setup

Network

Before you begin, contact your ISP to find out if your IP address is static or dynamic. If it is dynamic, and you are using a wired or wireless connection, we recommend using the Auto procedures. If you are using a wireless connection and your router has the capability, you can use WPS(PBC) or One Foot Connection.

If your IP address is static, you must use the manual set up procedure for both wired and wireless connections.

Network Settings

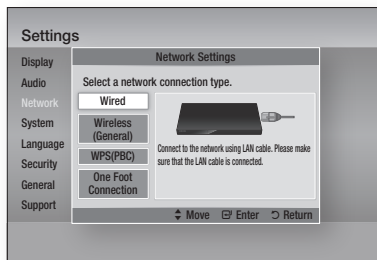
To begin setting up the network connection for your player, follow these steps:

1. In the Home menu, press the ◀▶ buttons to select **Settings**, and then press the **ENTER** button.
2. Press the ▲▼ buttons to select **Network**, and then press the **ENTER** button.
3. Press the ▲▼ buttons to select **Network Settings**, and then press the **ENTER** button.
4. Press the ▲▼ buttons to select **Wired**, **Wireless (General)**, **WPS(PBC)** or **One Foot Connection**, and then press the **ENTER** button.
5. If you have a wired network, go to **Wired Network** below. If you have a wireless network, go to **Wireless Network** on pages 37~39.

Wired Network

Setting Up a Wired Connection - Auto

1. Press the ▲▼ buttons to select **Wired**.



2. Press the **ENTER** button.
The Network Status screen appears. The player connects to the network after the network connection is verified.

Setting Up a Wired Connection - Manual

If you have a static IP address or the Auto Setting does not work, you'll need to set the Network Settings values manually.

To view your Network Settings values on most Windows computers, follow these steps:

Windows XP

1. Right click the Network icon on the bottom right of the Windows desktop.
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.

Windows 7

1. Click the Network icon on the bottom right of the Windows desktop.
2. In the pop-up menu, click Network and Sharing Centre.

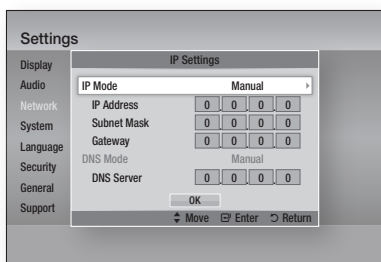
- On the dialog that appears, click the Local Area Connection or Wireless Network Connection depending on your network connection.
- On the Support tab, click the Details button. The Network settings are displayed.

NOTE

- Depending on your Windows version, the information may differ.

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

- Press the **▲▼** buttons to select **Wired**, and then press the **ENTER** button.
- Press the **◀▶** buttons to select **IP Settings**, and then press the **ENTER** button.
- On the Network Status screen, select Cancel, and then press Enter.



- Press the **ENTER** button to select **IP Mode**.
- Press the **▲▼** buttons to select **Manual**, and then press the **ENTER** button.
- Press the **▼** button to go to the first entry field (IP Address).
- Use the number buttons on your remote to enter numbers.
- When done with each field, press the **▶** button to move successively to the next field. You can also use the other arrow buttons to move up, down, and back.
- Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.

- Press the **▼** button to go to **DNS Mode**.
- Press the **▼** button to go to the first DNS entry field. Enter the numbers as above.
- Press the **ENTER** button to select **OK**. The Network Status screen appears. The player connects to the network after the network connection is verified.

Wireless Network

You can setup a wireless network three ways:

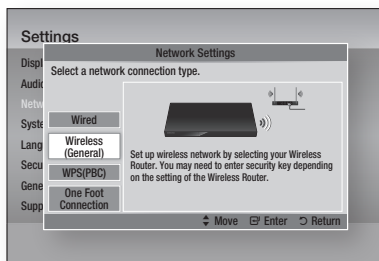
- Wireless (General)
- Using WPS(PBC)
- One Foot Connection

Wireless (General) includes both Automatic and Manual setup procedures.

Setting Up the Wireless Network Connection - Auto

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 Auto setup process.

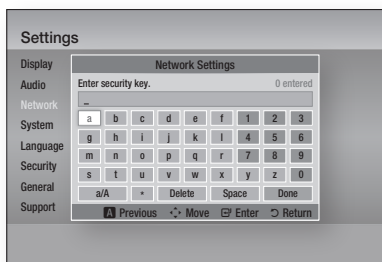
- Press the **▲▼** buttons to select **Wireless (General)**.



- Press the **ENTER** button. When done, it displays a list of the available networks.

Setup

- Press the **▲▼** buttons to select the desired network, and then press the **ENTER** button. The Security screen appears.
- On the Security screen, enter your network's Pass Phrase. Enter numbers directly using your remote control.
To select a letter, press the **▲▼◀▶** buttons to move the cursor, then press the **ENTER** button.



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.

- When done, press the **GREEN (B)** button on your remote, or press the **▲▼◀▶** buttons to move the cursor to **Done**, and then press the **ENTER** button.

The Network Status screen appears. The player connects to the network after the network connection is verified.

Setting Up the Wireless Network Connection - Manual

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

To view the Network Settings values on most Windows computers, follow these steps:

Windows XP

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

Windows 7

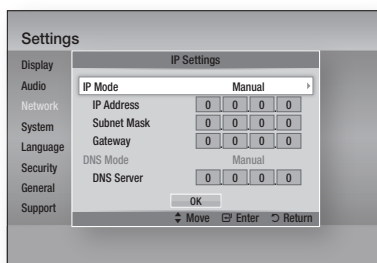
- Click the Network icon on the bottom right of the Windows desktop.
- In the pop-up menu, click Network and Sharing Centre.
- On the dialog that appears, click the Local Area Connection or Wireless Network Connection depending on your network connection.
- On the Support tab, click the Details button. The Network settings are displayed.

NOTE

- Depending on your Windows version, the information may differ.

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

- Follow Steps 1 through 4 in the 'Setting Up the Wireless Network Connection - Auto' procedure.
- When done, press the **GREEN (B)** button on your remote, or press the **▲▼◀▶** buttons to move the cursor to **Done**, and then press the **ENTER** button. The Network Status screen appears.



- On the Network Status screen, select Cancel, and then press Enter.
- Press the **◀▶** buttons to select **IP Settings**, and then press the **ENTER** button.
- Press the **ENTER** button to select **IP Mode**.
- Press the **▲▼** buttons to select **Manual**, and then press the **ENTER** button.
- Press the **▼** button to go to the first entry field (IP Address).

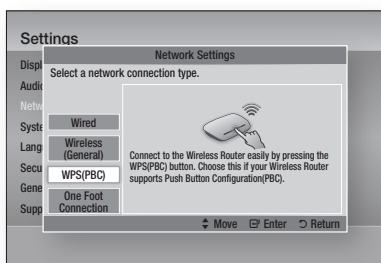
8. Use the number buttons to enter numbers.
9. When done with each field, press the ► button to move successively to the next field. You can also use the other arrow buttons to move up, down, and back.
10. Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.
11. Press the ▼ to go to **DNS Mode**.
12. Press the ▼ button to go to the first DNS entry field. Enter the numbers as above.
13. Press the **OK** button.
14. The Network Status screen appears. The player connects to the network after the network connection is verified.

WPS(PBC)

The easiest way to set up the wireless network connection is using the WPS(PBC) function or the One Foot Connection function.

If your wireless router has a **WPS(PBC)** button, follow these steps:

1. Press the ▲▼ buttons to select **WPS(PBC)**.

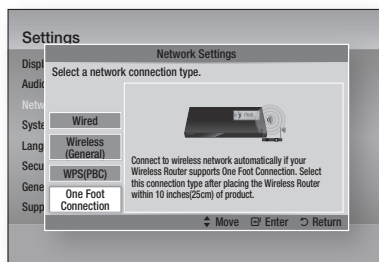


2. Press the **ENTER** button.
3. Press the **WPS(PBC)** button on your router within two minutes. Your player automatically acquires all the network settings values it needs and connects to your network.
4. The Network Status screen appears. The player connects to the network after the network connection is verified.

One Foot Connection

You can set up the wireless connection automatically if you have a Samsung Wireless Router which supports One Foot Connection. To connect using the One Foot Connection function, follow these steps:

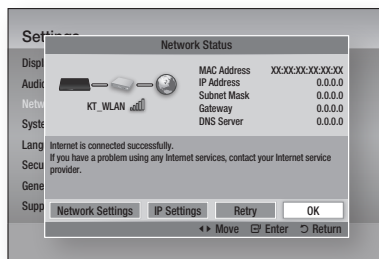
1. Press the ▲▼ buttons to select **One Foot Connection**.



2. Press the **ENTER** button.
3. Place the Samsung Wireless Router within 25 cm (10 inches) of your player to connect.
4. Wait until the connection is automatically established.

Network Status

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



Setup

BD-LIVE Internet Connection

Set to allow or prohibit an Internet connection when you use 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 player uses BD-LIVE to send the disc data and a request to the server to certify the disc, the server uses the transmitted data to check if the disc is valid and sends the certificate back to the player.
- The Internet connection may be restricted while you are using BD-LIVE contents.

System

Initial Settings

By using the Initial Settings function, you can set the language, Network Settings, etc.

For more information about the Initial Settings function, refer to the Initial Settings section of this user manual. (See pages 27~44)

Anynet+(HDMI-CEC)

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

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

With Anynet+ on, you can operate this player using a Samsung TV remote control and start disc playback simply by pressing the **PLAY** () button on the TV's remote control.

For more information, please see the TV user manual.

- **Off** : Anynet+ functions will not work.
- **On** : Anynet+ functions will work.

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 you accessed through a Blu-ray Disc that supports the BD-LIVE service and stored on an attached Flash memory device.

You can check the device's information including the storage size, delete the BD data, or change the Flash memory device.

BD Data Management Screen Information :

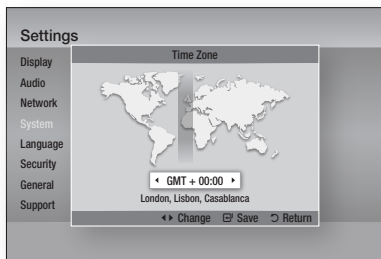
- **Total Size** : Total memory size of the device.
- **Available Size** : Available memory in the device.

NOTE

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

Time Zone

You can specify the time zone that is applicable to your area.



DivX® Video On Demand

View DivX® VOD Registration Codes to purchase and play DivX® VOD contents.

Reset

All settings will revert to the default except for the network and Smart Hub settings.

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 will only appear if it is supported on the disc.

Security

This function works in conjunction with Blu-ray Disc/DVDs that have been assigned an age rating or numeric rating that indicates the maturity level of the content. These numbers help you control the types of Blu-ray Disc/DVDs that your family can watch.

Select an age rating you want to set for the BD Parental Rating and a rating level you want to set for the DVD Parental Rating. The player will only play Blu-ray Discs rated at or below the age rating and DVDs rated below the numeric rating unless the password is entered.

Larger numbers indicate more mature content.

BD Parental Rating

Prevent playback of Blu-ray Discs with specific age ratings unless a password is entered.

DVD Parental Rating

Prevent playback of DVDs with specific numerical ratings unless a password is entered.

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 **STOP** (■) 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 stored BD data will be deleted.

General

Front Display

Change the brightness of the front panel.

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

Light Effect

You can adjust the light effect on the player.

- **Always On** : Activate Light Effect at all times.
It is recommended for continuous display for commercial or demonstration use.
- **Auto** : Activate Light Effect when you turn the player on or off and when you insert or eject a disc. This is recommended for home use.
- **Off** : Turn Light off.

Network Remote Control

The Network Remote Control function lets you control your Blu-ray Disc player from a remote device such as a smart phone through a wireless connection to your local area network.

To use the Network Remote Control function, follow these steps:

1. Select **On** in the Network Remote Control menu.
2. Install the Samsung network remote control application to control your player on your compatible portable device.
3. Make sure your portable device and your player are connected to the same wireless router.
4. Start the application on your portable device. The application should find your player and display it on a list.
5. Select the player.
6. If this is the first time you are using the function, it will ask you to allow or deny remote control of the player. Select **Allow**.
7. Follow the instructions that came with the application to control the player.

Support

Software Upgrade

The Software Upgrade menu allows you to upgrade the player's software for performance improvements or additional services. You can upgrade in four ways:

- By Internet
- By USB
- By Disc
- By Downloaded (File)

The four methods are explained below.

By Internet

To upgrade by Internet, follow these steps:

1. Select **By Internet**, and then press the **ENTER** button. The Connecting to Server message appears.
2. If there is a download available, the Download pop-up appears with a progress bar and the download starts.
3. When the download is complete, the Upgrade Query window appears with three choices: Upgrade Now, Upgrade Later, or Don't Upgrade.
4. If you select Upgrade Now, the player upgrades the software, turns off, and then turns on automatically.
5. If you do not make a selection in one minute or select Upgrade Later, the player stores the new upgrade software. You can upgrade the software later using the By Downloaded function.
6. If you select Don't Upgrade, the player cancels the upgrade.

NOTE

- Your player must be connected to the Internet to use the By Internet function.
- The upgrade is complete when the player turns off, and then turns on again by itself.
- Never turn the player off or back on manually during the update process.

- Samsung Electronics shall take no legal responsibility for player malfunction caused by an unstable Internet connection or consumer negligence during a software upgrade.
- If you want to cancel the upgrade while the upgrade software is downloading, press the **ENTER** button.

By USB

To upgrade by USB, follow these steps:

1. Visit www.samsung.com/bluraysupport
2. Download the latest USB software upgrade zip archive to your computer.
3. Unzip the zip archive to your computer. You should have a single folder with the same name as the zip file.
4. Copy the folder to a USB flash drive.
5. No disc should be inserted in the product, and then insert the USB flash drive into the USB port of the player.
6. In the player's menu, go to Settings > Support > Software Upgrade.
7. Select **By USB**.



NOTE

- No disc should be inserted in the product when you upgrade the software using the USB Host jack.
- When the software upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the player during the software upgrade. It may cause the player to malfunction.
- Software upgrades using the USB Host jack must be performed with a USB memory flash stick only.

By Disc

To upgrade by Disc, follow these steps:

1. Visit www.samsung.com/bluraysupport.
2. Download the latest disc software upgrade zip archive to your computer.
3. Unzip the zip archive to your computer. You should have a single folder with the same name as the zip file.
4. Write the folder onto a disc. We recommend a CD-R or DVD-R.

5. Finalize the disc before you remove it from your computer.
6. Insert the disc into player.
7. In the player's menu, go to Settings > Support > Software upgrade.
8. Select **By Disc**.



NOTE

- When the system upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the player during the Software Upgrade. It may cause the player malfunction.

By Downloaded

The By Downloaded option lets you upgrade using a file the player downloaded earlier but you decided not to install immediately or a file downloaded by the player in Standby Mode (See Download in Standby Mode below).

To upgrade By Downloaded, follow these steps:

1. If upgrade software has been downloaded, you will see the software version number to the right of By Downloaded.
2. Select By Downloaded, and then press the **ENTER** button.
3. The player displays a message asking if you want to upgrade. Select **Yes**. The player begins the upgrade.
4. When the update is complete, the player turns off automatically, and then turns on.



NOTE

- When the system upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the player during the software Upgrade. It may cause the player to malfunction.

Download in Standby Mode

You can set the Download in Standby Mode function so that the player downloads new upgrade software when it is in Standby mode. In Standby mode, the player is off, but its Internet connection is active. This allows the player to download upgrade software automatically, when you are not using it.

Setup

To set Download in Standby Mode, follow these steps:

1. Press the ▲▼ buttons to select **Download in Standby Mode**, and then press the **ENTER** button.
2. Select **On** or **Off**.
 - **Off** : If you select **Off**, the player will notify you with a pop up message when new upgrade software is available.
 - **On** : If you select **On**, the player will automatically download new upgrade software when it is in Standby mode with the power off. If it downloads new upgrade software, the player will ask you if you want to install it when you turn the player on.



NOTE

- To use the Download in Standby Mode function, your player must be connected to the Internet.

Contact Samsung

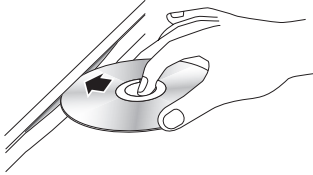
Provides contact information for assistance with your player.

Basic Functions

Playing a Video

Playback

1. Push a disc into the Blu-ray Disc player with the disc's label facing up.



2. Press the **PLAY** (▶) button.

Playback related buttons

PLAY (▶)	Starts playback.
STOP (■)	Stops playback. • If you press the button once : The stop position is memorized. • If you press the button twice : The stop position is not memorized.
PAUSE (⏸)	Pauses playback.

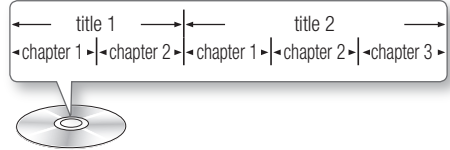
NOTE

- For some discs, pressing the **STOP** (■) button once may not memorize the stop position.
- Video files with high bit rates of 20Mbps or more strain the player's capabilities and may stop playing during playback.

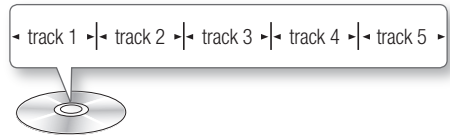
Disc Structure

The content of discs are usually divided as shown below.

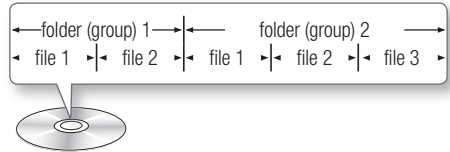
• Blu-ray Disc, DVD-VIDEO



• 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 a selection, and then press the **ENTER** button.



NOTE

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

Basic Functions

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 **ENTER** button.

 NOTE

- Depending on the disc, the menu items may differ and 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 the Title List, and then press the **ENTER** button.

 NOTE

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



Using the Popup Menu

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

 NOTE

- Depending on the disc, the menu items may differ and 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 **SEARCH** (**◀▶**) button.

Each time you press the **SEARCH** (**◀▶**) button, the playback speed will change 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 **PLAY** (**▶**) button.

 NOTE

- The player does not play sound in search mode.

Skipping Chapters



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

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

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

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 **ENTER** button.
3. To return to normal play, press the **重复** button again.
4. Press the **▲▼** buttons to select **Off**, then press the **ENTER** 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 **ENTER** button at the point where you want repeat play to start (A).
4. Press the **ENTER** 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 **ENTER** button.

NOTE

- If you set point (B) before 5 seconds has lapsed, the prohibition message will appear.
- Depending on the disc, the menu items may differ and this menu may not be available.

Slow Motion Play/Step Motion Play

Slow Motion Play



- In pause mode, press the **SEARCH** (**▶▶**) button.
Each time you press the **SEARCH** (**▶▶**) button, the playback speed will change as follows:
▶▶ 1/8 ▶▶ 1/4 ▶▶ 1/2
- To return to normal speed playback, press the **PLAY** (**▶**) button.

NOTE

- The player does not play sound in Slow mode.

Step Motion Play



- In pause mode, press the **PAUSE** (**||**) button.
Each time you press the **PAUSE** (**||**) button, a new frame appears.
- To return to normal speed playback, press the **PLAY** (**▶**) button.

NOTE

- The player does not play sound in Step mode.

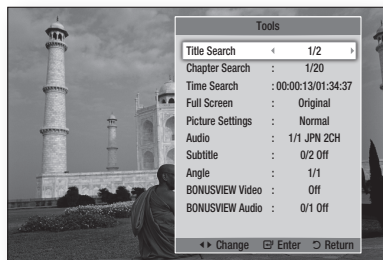
Basic Functions

Using the 工具 button

During playback, you can operate the 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



- During playback, press the 工具 button.
- Press the ▲▼ buttons to select **Title Search**, **Chapter Search**, or **Time Search**.
- Press the ◀▶ or number button to select desired Title, Chapter or Time, then press the **ENTER** button.

Changing to Full Screen

- During playback, press the 工具 button.
- Press the ▲▼ buttons to select **Full Screen**.
- Press the ◀▶ buttons to select the desired mode.

NOTE

- This function is available when the TV aspect ratio is 16:9 full. (See page 30)

Selecting the Picture Settings



This function enables you to adjust video quality when the player is connected to a TV.

- During playback, press the 工具 button.
- Press the ▲▼ buttons to select **Picture Settings**, and then press the **ENTER** button.
- Press the ◀▶ buttons to select the desired **Picture Settings**, and then press the **ENTER** 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** : Lets you adjust the sharpness and noise reduction function respectively.

NOTE

- When you use BD wise function, this menu will not appear.

Selecting the Audio Language



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



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

NOTE

- The ◀▶ indicator will not appear on the screen if the BONUSVIEW section does not contain any BONUSVIEW audio settings.

- Information about the main feature/BONUSVIEW mode will also appear if the Blu-ray Disc has a BONUSVIEW section.
Press the ◀▶ button to switch between main feature and BONUSVIEW audio modes.
- The languages available through the Audio Language function depend on the languages that are encoded on the disc. This function or certain languages 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, Audio bar appears.
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.



- During playback, press the 工具 button.
- Press the ▲▼ buttons to select **Subtitle**.
- 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 the selection of subtitles that 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 main feature/BONUSVIEW mode will also appear if the Blu-ray Disc has a BONUSVIEW section.

- This function changes both the primary and secondary subtitles at the same time.
- The total numbers of primary and secondary subtitles are displayed respectively.
- If you press the 字幕 button on the remote control, the subtitle bar appears.
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.

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

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.

- During playback, press the 工具 button.
- Press the ▲▼ buttons to select **BONUSVIEW Video** or **BONUSVIEW Audio**.
- Press the ◀▶ buttons to select the desired Bonusview.



NOTE

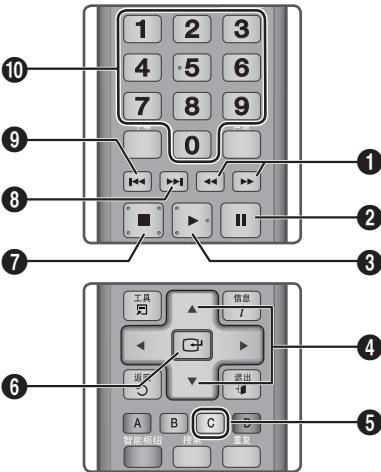
- If you switch from BONUSVIEW Video, BONUSVIEW Audio will change automatically in accordance with BONUSVIEW Video.

Basic Functions

Listening to Music



Buttons on the Remote Control used for Music Playback



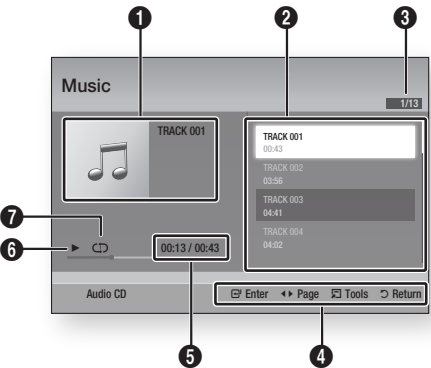
1	SEARCH buttons : Fast Play. (Audio CD (CD-DA) only)
2	PAUSE button : Pauses playback.
3	PLAY button : Plays the currently selected track.
4	▲▼ buttons : Select a track in the Music List or Playlist.
5	YELLOW (C) button : Displays check box in the music list.
6	ENTER button : Plays the selected track.
7	STOP button : Stops a track.

8	SKIP button : During playback, moves to the next page in the Music List or moves to the next track in the Playlist.
9	SKIP 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 less than three seconds after playback starts in the Playlist, the previous track is played.
10	NUMBER 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.
 - For an Audio CD (CD-DA), the first track plays automatically.
 - For an MP3 disc, press the **▲▼** buttons to select **Music**, then press the **ENTER** 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 buttons available.
5	Shows the current play time/total play time.
6	Displays the current playback status.
7	Displays the repeated playback status.

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

Repeat an Audio CD (CD-DA)/MP3

- During the Playlist playback, press the **工具** button.
- Press the ▲▼ buttons to select **Repeat Mode**, and then press the ◀▶ buttons to select the desired repeat mode.
- Press the ▲▼ buttons to select **Shuffle Mode**, and then press the ◀▶ buttons to select **On** or **Off**.
- Press the **ENTER** button.



Off	Songs are played in the order in which they were recorded.
(CD) One Song	The current song is repeated.
(CD) All	All songs are repeated.
(CD) Shuffle Mode	The random option plays songs in random order. To operate this function, please set the shuffle mode to On .

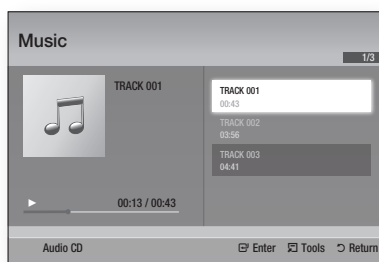
Playlist

- Insert an Audio CD (CD-DA) or an MP3 Disc.
 - For an Audio CD (CD-DA), the first track plays automatically.
 - For an MP3 disc, press the ▲▼ buttons to select **Music**, then press the **ENTER** button.

- To move to the Music List, press the **STOP** (■) or **返回** button. The Music List screen appears.
- Press the **YELLOW (C)** button.
- Press the ▲▼◀▶ buttons to move to a desired track, and then press the **ENTER** button. A check appears on the track. Repeat this procedure to select additional tracks.



- To remove a track from the list, move to the track, and then press the **ENTER** button again. The check on the track is cancelled.
- When done, press the **工具** button.
- Press the ▲▼ buttons to select **Play Selected**, and then press the **ENTER** button. The tracks you selected play automatically.



- To go to the Music List, press the **返回** button.

NOTE

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

Basic Functions

Playing back Pictures



Playing a JPEG files

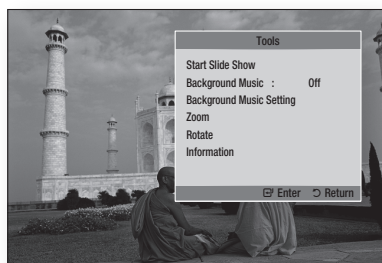
1. Insert a JPEG disc.
2. Press the **▲▼** buttons to select **Photos**, and then press the **ENTER** button.
3. Press the **▲▼◀▶** buttons to select the folder you want to play, and then press the **ENTER** button.
4. Press the **▲▼◀▶** buttons to select the photo you want to play, and then press the **ENTER** button.

NOTE

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

Using the 工具 button

You can use various function by pressing the 工具 button.



- **Start Slide Show** : Select to start the slide show.
- **Background Music** : Select to listen to music while viewing a picture.
- **Background Music Setting** : Select to set the background music setting.

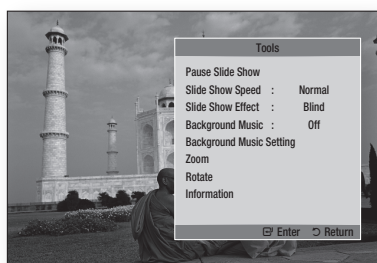
- **Zoom** : Select to enlarge the current picture. (Enlarged up to 4 times)
- **Rotate** : Select to rotate the picture. (This will rotate the picture either clockwise or counter clockwise.)
- **Information** : Shows the picture information including the name and size, etc.

NOTE

- To enable the background music function, the photo file must be in the same storage media as the music file. However, the sound quality can be affected by the bit rate of the MP3 file, the size of the photo, and the encoding method.

Using the Slide Show function

1. Press the 工具 button.
2. Press the **▲▼** buttons to select **Start Slide Show**, and then press the **ENTER** button. The Slide Show starts.
3. To pause the slide show, press the 工具 button again.

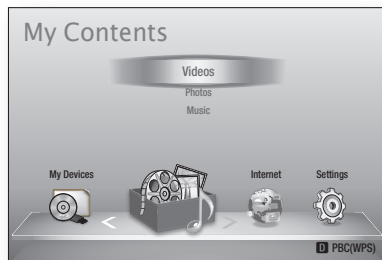


4. Press the **▲▼** buttons to select **Pause Slide Show**, and then press the **ENTER** button.
5. You can also set the slide show speed and effect using the same method.

Playing back a USB Storage Device

You can use the USB connection to play multimedia files (MP3, JPEG, DivX, etc) located 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 player.



3. Press the **ENTER** button.
4. Press the **▲▼◀▶** buttons to select the desired Videos, Music, or Photos, and then press the **ENTER** button.
5. For playing back Video, Music or Photo files, see pages 45~52.

NOTE

- You must remove the USB storage device safely (by performing the "Safely Remove USB" function) in order to prevent a possible damage to the USB memory. Press the **菜单** button to move to the Home menu, select the **YELLOW (C)** button, and then press the **ENTER** button.
- If you insert a disc when playing a USB storage device, the device mode changes to "DVD or CD" automatically.

Network Services

You can enjoy various network services such as Smart Hub or BD-LIVE by connecting the player to your network.

Read the following instructions before using any network service.

1. Connect the player to the network.
(See pages 25~26)
2. Configure the network settings.
(See pages 36~40)

Using Smart Hub

Using Smart Hub, you can stream movies, videos, and music from the Internet, access various for pay or free-of-charge applications and view them on your TV. Application content includes news, sports, weather forecasts, stock market quotes, maps, photos, and games.

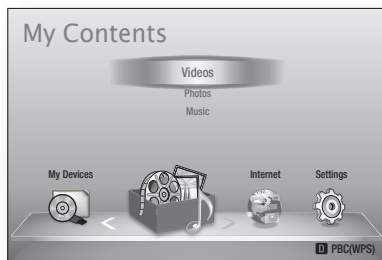
You can also start this function by pressing the **智能枢纽** button on the remote control.



Starting Smart Hub for the First Time

To start Smart Hub for the first time, follow these steps :

1. Go to the Home menu.



2. Press the ◀▶ buttons to select **Internet**, and then press the **ENTER** button.

3. The Smart Hub screen appears.
In a few cases, the Country screen appears immediately after.
4. If the Country screen has appeared, press the ▲▼ buttons to select your country, then press the **ENTER** button.

NOTE

- Certain applications are available only in certain countries.

5. The Terms of Service Agreement screen appears.
If you want to agree, press the ◀▶ buttons to select **Agree**, then press the **ENTER** button.

NOTE

- Screens can take a few seconds to appear.

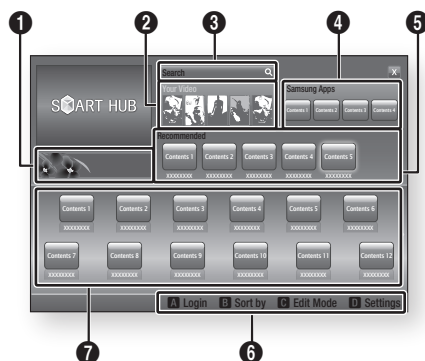
6. The Service Update screen appears and installs a number of services and applications. When done, it closes. The applications and services downloaded are displayed on the Smart Hub screen. This may take some time.

NOTE

- Smart Hub may close momentarily during the installation process.
- A number of screens may appear after installation. You can press the **ENTER** button to close them or let them close on their own.

7. To start an application, press the ▲▼◀▶ buttons to highlight a widget, then press the **ENTER** button.

Smart Hub at a Glance



1

Commercial : Displays the Smart Hub Guide, an introduction to the player, and new application introductions.

2

Your Video : Provides recommendations for videos based on your tastes.

- Lets you see movie recommendations based on your previous preferences.
- Lets you select a movie, displays a list of VOD (Video on Demand) providers that have the movie, and then lets you choose a provider for streaming. (Streaming is unavailable in some areas.)
- For instructions to use Your Video, please visit www.samsung.com.

3

Search : Provides an integrated search of your video providers and connected AllShare devices.

- Usable while using Smart Hub (except when you are watching a Blu-ray Disc).
- For easy access, use the **搜索** button on the remote control.
- For instructions to use search function, please visit www.samsung.com.

4

Samsung Apps : You can download various for pay or free-of-charge application services.

5

Recommended : Displays recommended contents managed by Samsung.

Navigation Help : Displays the remote control buttons you can use to navigate in Smart Hub.

6

- **RED (A)** : To log in to Smart Hub.
- **GREEN (B)** : To sort the applications.
- **YELLOW (C)** : To edit the applications.
- **BLUE (D)** : To change the settings of Smart Hub.

7

My Applications : Displays your personal gallery of applications which you can add to, modify, and delete.



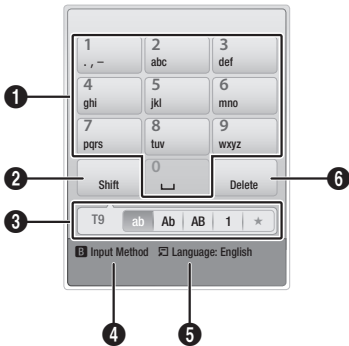
NOTE

- Samsung Electronics takes no legal responsibility for any interruption of the Smart Hub service caused by the service provider for any reason.
- The Smart Hub service downloads and processes data via the Internet so that you can enjoy the Internet contents on your TV screen. If the Internet connection is unstable, the service may be delayed or interrupted. Furthermore, the player may turn off automatically in response to conditions on the Internet. If this occurs, check the Internet connection and try again.
- Application services may be provided in English only and the contents available may vary, depending on your area.
- For more information about a Smart Hub service, visit the web site of the applicable service provider.
- The services provided are subject to change by the Smart Hub service provider without notice.
- The Smart Hub service contents may differ depending on the player's firmware version.

Network Services

Using the Keypad

Through your remote, you can use the On-Screen Keypad to enter letters, numbers, and symbols.



1	The current keypad. Use to enter letters, numbers, and symbols.
2	Press the 字幕 button on the remote control to shift the input mode. : ab, Ab, AB, numbers or icons.
3	Displays the current input mode.
4	Press the GREEN (B) button on the remote control to change the input method. (T9 or ABC)
5	Press the 工具 button on the remote control to change the language.
6	Press the 声道 button on the remote control to delete a character.

Entering Text, Numbers and Symbols

To enter text, press the number button on the remote that corresponds to the letter you want to enter. Press the button rapidly to enter a letter that is not the first letter listed on the On-Screen keypad button. For example, if you want to enter the letter b, press the 2 button on your remote rapidly twice. To enter the first letter listed on a button, press, release, and then wait.

To move within the text, use the Arrow buttons. To delete text, move the cursor to the right of the character you want to delete, and then press the 声道 button. To change case or enter numbers or punctuation, press the 字幕 button.

Creating an Account

To establish your own, exclusive, configuration of Smart Hub, create your own Smart TV Account.

To create an account, follow these steps:

1. Press the RED (A) button on your remote control. The Create Account screen appears.



2. Press the ▲▼◀▶ buttons to select **Create Account**, and then press the ENTER button.
3. On the next screen, select **Smart TV ID**, and then press the ENTER button.
An entry screen and keypad appear.
4. Use the keypad to enter your e-mail address. This will serve as your ID.

NOTE

- The keypad works like the keypad on a cell phone.

5. When done, press the ENTER button to select **OK**, and then press the ENTER button again. The Create Account screen reappears.
6. Select **Password**, and then press the ENTER button. An entry screen and a keypad appear.
7. Use the keypad to enter a password. The password can be any combination of letters, numbers, and symbols.

NOTE

- Press the RED (A) button on your remote to show or hide the password as you enter it.

8. When done, press the **ENTER** button to select **OK**, and then press the **ENTER** button again. The Create Account screen re-appears.
9. Select **Confirm password**, and then press the **ENTER** button.
10. Repeat Steps 7 and 8.
11. When the Create Account screen re-appears, select **Create Account**, and then press the **ENTER** button. The Confirmation window appears.
12. Select **OK**, and then press the **ENTER** button. The Continue to Register Service window appears.
13. Select **Go Register**, and then press the **ENTER** button.
14. The Register Service Account Window appears.
 - If you have existing accounts with any of the listed providers, you can associate the provider account and the provider account password with your Smart TV Account. Registration makes it easier to access the providers web site. For registration instructions, go to Step 2 in Account Management under the Settings Menu.
 - If you don't have existing provider accounts or do not want to register existing accounts at this time, select **OK**, and then press the **ENTER** button. You can also let the window close on its own in about a minute.
3. Select your ID from the list that appears, and then press the **ENTER** button. The Create Account screen re-appears.
4. Select **Password**, and then press the **ENTER** button. An entry screen and a keypad appears.
5. Using the keypad and your remote, enter your password. When done, press the **ENTER** button, select **OK**, and then press the **ENTER** button again.

NOTE

- If you want Smart Hub to enter your password automatically, select Remember my Smart TV ID and password after you have entered your password, and then press the **ENTER** button. A check appears. Smart Hub will now enter your password automatically when you select or enter your ID.

The Settings Menu - BLUE (D)

The Settings Menu Screen gives you access to account management, reset, and properties functions.

To access the Settings Menu, and then select a menu item, follow these steps:

1. Press the **BLUE (D)** button on your remote.
2. Press the **▲▼** to select a menu item, and then press the **ENTER** button.

The functions on the Settings Menu screen are described below.

NOTE

- The Service Manager item listed in the Settings Menu is not available for Blu-ray Disc players.

NOTE

- You must use an e-mail address as an ID.
- You can register up to 10 User Accounts.
- You do not need an account to use Smart Hub.

Account Log In

To log in to your Smart TV Account, follow these steps:

1. With the Smart Hub main screen displayed on your TV, press the **RED (A)** button on your remote. The Create Account screen appears.
2. Select the **Down Arrow** next to the **Smart TV ID** field, and then press the **ENTER** button.

Account Management

The Account Management Menu contains functions that let you register your service provider accounts, change your Smart Hub password, and delete or deactivate your Smart TV Account.

Network Services

Register Service Account

If you have existing accounts with any of the providers listed by the Register Service Account function, you can associate the provider account and the provider account password with your Smart TV Account. If you associate the account, you will be able to log onto the account through Smart Hub easily, without entering your account name or password.

To use the Register Service Account function, follow these steps:

1. In the Account Management menu, select Register Service Account, and then press the **ENTER** button. The Register Service Account Window appears.
2. Press the **▲▼** buttons to select a Service Provider you want to associate with your Smart TV Account, and then press the **ENTER** button.
3. Press the **▲▼** buttons to select **Register**, and then using your remote and the on-screen Keypad, enter your site ID and password. When done, press the **ENTER** button.



NOTE

- If you have a Samsung apps account and you want to use the Samsung Apps function in Smart Hub, you must register your Samsung Apps account here. See pages 61~63 for more information.
4. If you have entered the ID and password correctly, the Registered Successfully message appears.
 5. If you pressed **OK**, repeat Steps 2 through 4 to associate another Service Provider.
 6. When you are done, press the **返回** button.

Change Password

The Change Password function lets you change your Smart Hub password. To change the password, follow these steps:

1. Select **Change Password**, and then press the **ENTER** button.
2. Enter your current password. The next screen appears.
3. On the next screen, enter a new password on the first line. Enter it again on the second line to confirm.
4. The Changing Password Complete message screen appears. Press the **ENTER** button or wait for the screen to close - about 5 seconds.

Remove Service Accounts

The Remove Service Accounts function cancels all your current registered Service Accounts that you registered on the Register Service Account screen.

Deactivate Account

The Deactivate Account function deactivates your Smart TV Account and deletes it and all your account settings entirely from Smart Hub.

Reset

The Reset function initializes all downloaded widgets, erases all user accounts and settings from the player, and resets all Smart Hub settings to the factory default settings. It then restarts Smart Hub as if it were starting for the first time. Your account, however, remains on the Smart Hub server. To log into your account, enter your ID and password on the Create Account screen. To use the Reset function, follow these steps:

1. In the Settings menu, select Reset, and then press the **ENTER** button. The Reset screen appears.
2. Enter the your Security password. This is the password you entered if you set up a BD or DVD Parental rating (See page 41). If you did not, enter 0000.

3. After a few moments, Smart Hub automatically resets. The screen may go black, then Smart Hub re-appears. In a few moments, it starts the re-initialization procedure.
4. To complete the re-initialization, go to Step 4 in Starting Smart Hub for the First Time. (See page 54)



NOTE

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

Properties

The Properties menu item lists three functions that display information about Smart Hub :

Detail

Lists information about Smart Hub including version number, the number of services installed, memory usage, and the unique product ID.

Check the speed of your internet connection

Runs a test which shows how fast your connection to the Samsung's server is in Mbps (Megabits per second).

Speeds lower than 1.5 Mbps can limit your enjoyment of Smart Hub.

Terms of Service Agreement

Displays the Terms of Service Agreement.

The Edit Mode Menu - YELLOW (C)

The functions in the Edit Mode menu let you manipulate the widgets in the My Applications section of the Smart Hub screen. Using these functions, you can lock and unlock access to some widgets, New Folder and move widgets to them, rename folders, delete widgets, and change the position of widgets on the screen.

To access the Edit Mode Menu, and then select a menu item, follow these steps:

1. Press the **YELLOW (C)** button on your remote. The Edit Mode menu bar appears on the bottom of the screen.

2. Press the **▲▼◀▶** to select a menu item, and then press the **ENTER** button.

The functions in the Edit Mode Menu bar are described below.



NOTE

- Some menu items may not appear on the screen. To see these items, press the **◀▶** to move to the screen edge, and then press one more time to reveal the items.
- You can close the bar by highlighting the X on the bottom right side, and then pressing the **ENTER** button.

Move

The Move function lets you change the screen position of a widget. To use the Move function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Select a widget, and then press the **ENTER** button. A check appears above the widget.
3. Press the **▲▼◀▶** to select **Move**, and then press the **ENTER** button. A position change icon appears above the widget.
4. Press the **▲▼◀▶** to move the icon. Press the **ENTER** button when the icon is in the position of your choice. The widget moves to its new location.

Move to Folder

The Move to Folder function lets you move a widget to a folder. To use the Move to Folder function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Select a widget, and then press the **ENTER** button. If you already create a folder, the widget can be moved.
3. Press the **▲▼◀▶** to select Move to Folder, and then press the **ENTER** button. The Move to Folder window opens.
4. Press the **▲▼◀▶** to select a folder, and then press the **ENTER** button. The Moved to Folder message appears, and then closes. The widget has been moved to the folder.

Network Services

To Access Widgets in a Folder

1. Close the Edit Mode menu.
2. In My Applications, press the **▲▼◀▶** to select a folder, and then press the **ENTER** button. The folder opens.
3. Select a widget, and then press the **ENTER** button. The widget's application or service starts.

To Edit Items in a Folder

Select a folder, and then press the **ENTER** button. The folder opens.

Press the **YELLOW (C)** button on your remote. The Edit buttons appear at the bottom of the screen.

These buttons work the same as the Edit Mode menu buttons on the main screen. For example, to move a widget back to the My Applications main screen:

1. Select the widget.
2. Select Move to Folder, and then press the **ENTER** button. The Move to Folder window appears.
3. Select My Applications, and then press the **ENTER** button. The Move to Folder window closes and the widget returns to the main My Applications screen.

New Folder

The New Folder function lets you create and name new folders. Once you have created a folder, you can move widgets into it. To use the New Folder function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Press the **▲▼◀▶** to move the cursor to New Folder, and then press the **ENTER** button. The New Folder window and a keypad appear.
3. Use the keypad to enter the name of the folder, and then press the **ENTER** button. The New Folder screen closes and the New Folder appears on the Smart Hub screen.

Rename Folder

The Rename Folder function lets you rename folders. To use the Rename Folder function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Press the **▲▼◀▶** to select a folder, and then press the **ENTER** button.
3. Press the **▲▼◀▶** to select Rename a Folder, and then press the **ENTER** button. The Folder Rename window and a keypad appears.
4. Use the keypad to enter a new name, and then press the **ENTER** button. The Rename window closes and the new name appears below the folder.

Lock

The Lock function lets you lock some widgets in My Applications so they can not be opened without entering the Parental Security Code.

To use the Lock function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Press the **▲▼◀▶** to select a widget, and then press the **ENTER** button. If the widget can be locked, the Lock menu item is enabled.
3. Press the **▲▼◀▶** to select Lock, and then press the **ENTER** button. The Lock Service window appears.
4. Enter your Parental Security Code (See page 41). If you have not created a Parental Security Code, enter 0000.
5. Press the **ENTER** button. The Lock Service window appears confirming the lock, and then closes. A lock symbol appears next to the widget.

Unlock

1. Press the **YELLOW (C)** button on your remote.
2. Press the **▲▼◀▶** to select a locked widget, and then press the **ENTER** button.
3. Press the **▲▼◀▶** to select Unlock, and then press the **ENTER** button. The Lock Service window appears.
4. Enter the Parental Security Code (See page 41). If you have not created a Parental Security Code, enter 0000.
5. Press the **ENTER** button. The Lock Service Released window appears confirming the lock has been release, and then closes.

Delete

The Delete function lets you delete widgets from My Applications. To use the Delete function, follow these steps:

1. Press the **YELLOW (C)** button on your remote.
2. Press the **▲▼◀▶** to select a widget, and then press the **ENTER** button.
3. Press the **▲▼◀▶** to select Delete, and then press the **ENTER** button. The message, "Do you want to delete selected item(s)?" appears.
4. Select **Yes**, and then press the **ENTER** button. The widget is deleted.

The Sort Menu - GREEN (B)

The functions in the Sort Menu let you sort the widgets in My Applications by Name, Date, Frequency (of use), and Category. If you manually change the position of a widget, the Sort Menu automatically highlights User Defined when you start it.

To sort the widgets in My Applications, follow these steps:

1. Press the **GREEN (B)** button on your remote.
2. Press the **◀▶** to select a sorting method, and then press the **ENTER** button. Smart Hub sorts the widgets by the method you have chosen.

Samsung Apps

Samsung Apps lets you download for pay or free-of-charge applications and services to your Blu-ray Disc player and view or use them on your TV. These applications and services include videos, music, photos, games, news, sports, etc. Widgets for the new apps appear in My Applications. Additional applications and services are added regularly.

For Pay Apps

To download for pay apps, you need to create a Samsung Apps account and add a credit card to the account.

To create a Samsung Apps account, please visit www.samsung.com



NOTE

- This service may not provided in some countries.

Accessing the Samsung Apps Screen

To access Samsung Apps, press the **▲▼◀▶** buttons to navigate to the Samsung Apps area on the Smart Hub main screen, and then press the **ENTER** button. The Samsung Apps screen appears.



NOTE

- If this is the first time you are accessing this screen, the terms of service window appears. If you want to agree, select Agree, and then press the **ENTER** button.

Network Services

Using the Samsung Apps Screen

To use the Samsung Apps screen, follow these steps:

1. Press the ◀▶ buttons to move to the category list on the left.
2. Press the ▲▼ to highlight a category. In a few seconds, the Samsung Apps screen displays the applications in that category. The Sort tabs appear across the top.
3. Press the ▶ button to move to the displayed applications or services.
4. Press the ▲▼◀▶ buttons to select an application or service, and then press the **ENTER** button. The Application Details screen appears describing the service or application.
5. Select Download Now, and then press the **ENTER** button. If the application or service is free, it downloads and runs. If not, and there is a fee, follow the directions on the screen to complete the download.



NOTE

- Some apps are free to download, but require registration with the provider or a paid account with the provider to use.
- Widgets for applications and services you have downloaded from Samsung Apps appear in My Applications.

Sort By Tabs

You can access the Sort By tabs on the top of the screen using the ▲▼◀▶ buttons. Each tab displays the services or applications in the category you chose, sorted by the criteria on the tab (Recommended, Most Downloaded, Most Recent, Name).

You can also use the **BLUE (D)** button on your remote to access the Sort By tabs. Each time you press the **BLUE (D)** button, you change the display from one sort tab to the next.

Samsung Apps by category

The following categories are available:

- **What's New?** : Displays newly registered applications.
- **Video** : Displays various video media such as movies, TV shows, and short length videos.
- **Game** : Displays various games such as sudoku and chess.
- **Sports** : Displays various sports media services such as match information, images, and short length videos.
- **Lifestyle** : Includes various lifestyle media services such as music, personal photo management tools, and social networking such as Facebook and Twitter.
- **Information** : Includes various information services such as news, stocks, and weather.
- **Other** : Includes other miscellaneous services.

My Account

My Account gives you access to your Samsung Apps order and download history, and to the My Apps Cash screen. You must have a Samsung Apps account to access this information.

Help

If you have questions about Samsung Apps, check Help first. If none of the tips apply, please visit www.samsung.com.

To use the Help function, follow these steps:

1. Press the ▲▼◀▶ buttons to select Help, and then press the **ENTER** button.
2. Press the ▲▼ to scroll the Help text.
3. Press the ◀ to exit Help.

Using the coloured buttons on your remote with Samsung Apps

- **RED (A) (Login)** : To log into your Smart TV Account.
- **GREEN (B) (Thumbnail View/List View)** : To toggle applications between Thumbnail and List view.
- **BLUE (D) (Sort By)** : To sort the applications in a category by Recommended, Most Downloaded, Most Recent, or Name.
- **Return** : To return to the previous menu.

NOTE

- The Internet contents services may be added or deleted by providers without notice.

For instructions to use Your Video or Search Function, please visit www.samsung.com

BD-LIVE™

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

1. Attach a USB memory stick to the USB jack on the side of the player, and then check its 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.

Using the AllShare Function

AllShare lets you play music, video, and photo files located in your PC or your DLNA compatible mobile phone or NAS on the player.

To use AllShare with your player, you must connect the player to your network (See pages 25~26).

To use AllShare with your PC, you must install AllShare software on your PC.

If you have a DLNA compatible mobile phone or NAS, you can use AllShare without any additional software.

You can download the PC software and get detailed instructions for using AllShare from the Samsung.com web site.

Appendix

Troubleshooting

Before requesting service, please check the following.

PROBLEM	SOLUTION
No operation can be performed with the remote control.	• Check the batteries in the remote control. They may need replacing. • Operate the remote control at a distance of no more than 6.1 m. • 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.	• 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.	• Ensure that the disc has disc menus.
The prohibition message appears on the screen.	• 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.	• 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.	• The Screen Ratio is fixed on your Blu-ray Disc/DVD. • This is not a problem with the player.
No audio.	• Make sure you have selected the correct Digital Output in the Audio Options Menu.
The screen is blocked	• 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. • Press the STOP (■) 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 stored user BD data is deleted.

PROBLEM	SOLUTION
Forgot password	- Press the STOP () button (on 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 stored user BD data is deleted.
If you experience other problems.	- 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	- Make sure that the disc is not dirty or scratched. - Clean the disc.
No HDMI output.	- Check the connection between the TV and the HDMI jack of the player. - Check if your TV supports 576p/480p, 720p, 1080i, 1080p HDMI input resolution.
Abnormal HDMI output screen.	If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).
AllShare function	
I can see folders shared through AllShare, but I cannot see the files.	AllShare shows only files corresponding to the Image, Music, and Movie categories. Files that do not correspond to these categories may not be displayed.
Video is played intermittently.	- Check if the network is stable. - Check if the network cable is properly connected and if the network is not overloaded. - The wireless connection between the DLNA compatible device and the player is unstable. Check the connection.
AllShare connection between TV and PC is unstable.	- The IP address under the same subnetwork should be unique. If they are not, IP interference can cause this phenomenon. - Check if you have a firewall enabled. If so, disable the firewall function.

Appendix

PROBLEM	SOLUTION
BD-LIVE	
I cannot connect to the BD-LIVE server.	• Check whether the network connection is successful or not by using the Network Status menu. (See page 39) • Check whether the USB memory device is connected to the player. • 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 40) • Check whether the BD-LIVE Internet Connection menu is set to Allow(All). • If all above fails, contact the contents provider or update the player to the latest firmware.
When using the BD-LIVE service, an error occurs.	• 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 40)



NOTE

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

Repairs

If you contact us to repair your player, an administration fee may be charged if either:

1. An engineer is called out to your home at your request and there is no defect in the product.
2. You bring the unit to a repair centre and there is no defect in the product.

We will provide you with the amount of the administration fee before we make a home visit or begin any work on your player.

We recommend you read this manually thoroughly, search for a solution on line at www.samsung.com, or contact Samsung Customer Care before seeking to repair your player.

Specifications

General	Weight	1.7 Kg
	Dimensions	430 (W) X 206 (D) X 37 (H) mm
	Operating Temperature Range	+5°C to +35°C
	Operating Humidity Range	10 % to 75 %
Disc	BD (Blu-ray Disc)	Reading Speed : 9.834 m/sec.
	DVD (Digital Versatile Disc)	Reading Speed : 6.98 ~ 7.68 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.
	CD : 8 cm (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/DVDs : 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 : 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)
	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%
Network	Ethernet	10/100BASE-TX Terminal
	Wireless LAN	Built-in
	Security	WEP (OPEN/SHARED) WPA-PSK (TKIP/AES) WPA2-PSK (TKIP/AES)
	WPS(PBC)	Supported

*: 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 player. And some of the above discs may not play due to one or more reasons provided below.
- Samsung cannot assure that this player 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 player may not respond to all operating commands or operate all features of every disc. These and other disc compatibility and player operation issues with new and existing format discs are possible because:
 - Blu-ray is a new and evolving format and this player 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 player, and certain available features may be subject to delayed availability;
 - not all new and existing disc format versions are supported by this player;
 - 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 player 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 player operates differently than a standard DVD player 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 player operation problems, please contact SAMSUNG customer care centre.
You may also contact SAMSUNG customer care centre for possible updates on this player.
- 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 AACS (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, analogue signal output, etc., of AACS 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 AACS 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 AACS, BD-ROM Mark, BD+, or this product, please contact SAMSUNG customer care centre.

- Many Blu-ray Disc/DVDs are encoded with copy protection. Because of this, you should only connect your Player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected Blu-ray Disc/DVDs.
- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are 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 CENTRE.

Network Service Disclaimer

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Samsung is neither responsible nor liable for customer service related to the content and services. Any question or request for service relating to the content or services should be made directly to the respective content and service providers.

Appendix

Licence

- Manufactured under licence from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



- Manufactured under licence under U.S. Patent #'s : 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Master Audio, and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.



- DivX

- ABOUT DIVX VIDEO : DivX® is a digital video format created by DivX, Inc.

This is an official DivX Certified® device that plays DivX video.

Visit www.divx.com for more information and software tools to convert your files into DivX video.

- ABOUT DIVX VIDEO-ON-DEMAND : This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.
- DivX Certified® to play DivX® video up to HD 1080p, including premium content.
- DivX®, DivX Certified® and associated logos are trademarks of DivX, Inc. and are used under licence.
- Covered by one or more of the following U.S. patents : 7,295,673; 7,460,668; 7,515,710; 7,519,274.



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- Open Source Licence Notice
 - In the case of using open source software, Open Source Licences are available on the product menu.
- Blu-ray Disc™, Blu-ray™ and the logos are trademarks of the Blu-ray Disc Association.
- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Area	Contact Centre ☎	Web Site
■ North America		
Canada	1-800-SAMSUNG (726-7864)	www.samsung.com
Mexico	01-800-SAMSUNG (726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com
■ Latin America		
Argentina	0800-333-3733	www.samsung.com
Brazil	0800-124-421 / 4004-0000	www.samsung.com
Chile	800-SAMSUNG (726-7864)	www.samsung.com
Colombia	01-8000112112	www.samsung.com
Costa Rica	0-800-507-7267	www.samsung.com
Dominica	1-800-751-2676	www.samsung.com
Ecuador	1-800-10-7267	www.samsung.com
El Salvador	800-6225	www.samsung.com
Guatemala	1-800-299-0013	www.samsung.com
Honduras	800-7919267	www.samsung.com
Jamaica	1-800-234-7267	www.samsung.com
Nicaragua	00-1800-507-7267	www.samsung.com
Panama	800-7267	www.samsung.com
Peru	0-800-777-08	www.samsung.com
Puerto Rico	1-800-682-3180	www.samsung.com
Trinidad & Tobago	1-800-SAMSUNG (726-7864)	www.samsung.com
Venezuela	0-800-100-5303	www.samsung.com
■ Europe		
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Austria	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
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Bulgaria	07001 33 11	www.samsung.com
Croatia	062 SAMSUNG (062 726 7864)	www.samsung.com
Czech	800-SAMSUNG (800-726786) Samsung Zrt., česká organizační složka, Oasis Florenc, Soko- lovská394/17, 180 00, Praha 8	www.samsung.com
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Finland	030 - 6227 515	www.samsung.com
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Macedonia	023 207 777	-
Montenegro	020 405 888	-
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Norway	815-56 480	www.samsung.com
Poland	0 801 1SAMSUNG (172678) / 022-607-93-33	www.samsung.com
Portugal	80820-SAMSUNG (726-7864)	www.samsung.com
Rumania	1. 08010 SAMSUNG (72678) - doar din rețeaua Romtelecom, tarif local 2. 021.206.01.10 - din orice rețea, tarif normal	www.samsung.com

Area	Contact Centre ☎	Web Site
Serbia	0700 Samsung (0700 726 7864)	www.samsung.com
Slovakia	0800-SAMSUNG (726-7864)	www.samsung.com
Spain	902-1-SAMSUNG (902 172 678)	www.samsung.com
Sweden	0771 726 7864 (SAMSUNG)	www.samsung.com
Switzerland	0848-SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ ch_fr/(French)
U.K	0330 SAMSUNG (7267864)	www.samsung.com
Eire	0818 717100	www.samsung.com
Lithuania	8-800-77777	www.samsung.com
Latvia	8000-7267	www.samsung.com
Estonia	800-7267	www.samsung.com
■ CIS		
Russia	8-800-555-55-55	www.samsung.com
Georgia	8-800-555-555	-
Armenia	0-800-05-555	-
Azerbaijan	088-55-55-555	-
Kazakhstan	8-10-800-500-55-500 (GSM: 7799)	www.samsung.com
Uzbekistan	8-10-800-500-55-500	www.samsung.com
Kyrgyzstan	00-800-500-55-500	www.samsung.com
Tadjikistan	8-10-800-500-55-500	www.samsung.com
Ukraine	0-800-502-000	www.samsung.ua www.samsung.com/ ua_ru
Belarus	810-800-500-55-500	-
Moldova	00-800-500-55-500	-
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China	400-810-5858 / 010-6475 1880	www.samsung.com
Hong Kong	(852) 3698 4698	www.samsung.com/hk www.samsung.com/ hk_en/
India	3030 8282 / 1800 110011 / 1800 3000 8282 / 1800 266 8282	www.samsung.com
Indonesia	0800-112-8888 / 021-5699-7777	www.samsung.com
Japan	0120-327-527	www.samsung.com
Malaysia	1800-88-9999	www.samsung.com
Philippines	1-800-10-SAMSUNG(726-7864) / 1-800-3-SAMSUNG(726-7864) / 1-800-8-SAMSUNG(726-7864) / 02-5805777	www.samsung.com
Singapore	1800-SAMSUNG (726-7864)	www.samsung.com
Thailand	1800-29-3232 / 02-689-3232	www.samsung.com
Taiwan	0800-329-999	www.samsung.com
Vietnam	1 800 588 889	www.samsung.com
■ Middle East		
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Egypt	08000-726786	www.samsung.com
Jordan	800-22273	www.samsung.com
Morocco	080 100 2255	www.samsung.com
Oman	800-SAMSUNG (726-7864)	www.samsung.com
Saudi Arabia	9200-21230	www.samsung.com
Turkey	444 77 11	www.samsung.com
U.A.E	800-SAMSUNG (726-7864)	www.samsung.com
■ Africa		
Nigeria	0800-SAMSUNG (726-7864)	www.samsung.com
South Africa	0860-SAMSUNG (726-7864)	www.samsung.com



Blu-ray Disc 播放机

用户手册

用影像记录一切可能

感谢您购买此款 Samsung 产品。

为了获得更完善的服务，请在以下网站中注册您的产品

www.samsung.com/register

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。

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。

还支持以下高清视频分辨率：

- 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，您需要一台 HDTV（高清电视）。

一些 Blu-ray 光盘可能需要使用播放器的 HDMI OUT 才能观看高清内容。

根据电视的分辨率，观看 Blu-ray 光盘上高清内容的能力可能会受到限制。

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 光盘播放器功能

3D

本播放器可以通过 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）通过 HDMI 电缆连接至播放器，然后在佩戴 3D 幻觉眼镜后播放 3D 内容。

Smart Hub

可以通过网络连接下载各种付费或免费应用程序。这些应用程序提供了各种 Internet 服务和内容，其中包括新闻、天气预报、股市行情、游戏、电影和音乐。

AllShare

可通过网络连接播放您设备（例如 PC、手机或 NAS 设备）上的视频、音乐和照片。

播放多媒体文件

可以使用 USB 连接来播放位于 USB 存储设备上的各种多媒体文件（MP3、JPEG、DivX 等等）。

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。

请将这些操作说明妥善保管，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 AV 接收器）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，有一边较另一边宽。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专为您的安全而提供。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。



使用 3D 功能观看

3D 图像的重要健康和信息安全信息。

在使用 3D 功能之前，请阅读并了解下列安全信息。

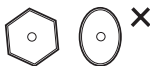
- 在观看 3D 电视时，一些观看者可能会觉得不适，例如头晕、恶心和头痛。如果您有任何此类症状，请停止观看 3D 电视，取下 3D 主动式眼镜并休息。
- 长时间观看 3D 图像可能会导致视觉疲劳。如果您感觉视觉疲劳，请停止观看 3D 电视，取下 3D 主动式眼镜并休息。
- 尽责的家长应该监督使用 3D 功能的儿童。如果小孩报告视觉疲劳、头痛、头晕或恶心，请让小孩停止观看 3D 电视并休息。
- 不要将 3D 主动式眼镜用于其它用途（例如普通眼镜、太阳镜、护目镜等等）。
- 走动时，不要使用 3D 功能或 3D 主动式眼镜。如果走动时使用 3D 功能或 3D 主动式眼镜，可能会导致撞伤、绊倒和或跌落，并且可能导致严重伤害。

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），则可能会损坏播放器。



拿取光盘

- 避免触摸已录有数据光盘的表面。



Blu-ray 光盘

- 请不要将 Blu-ray 光盘长期置于播放器中。取出 Blu-ray 光盘并将其存储到光盘盒中。
- 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。
- 如果突然将播放器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，请将播放器断电并等待两个小时，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。
- 不要使用录制清洁剂或防静电剂清洁光盘。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。
- 在将其它组件连接到播放器之前，请务必先将其其它组件关闭。
- 正在播放光盘时不要移动播放器，因为光盘可能会被刮花或损坏，或者播放器的内部零件可能会被损坏。
- 不要将盛满水的花瓶或任何其它细小金属物放在播放器上。
- 请务必小心，不要将手放入光盘插槽中。
- 不要将光盘以外的任何物体放在光盘插槽中。
- 闪电和静电等外部干扰可能会影响播放器的正常操作。如果出现这种情况，请使用 **电源** 按钮关闭然后重新打开播放器，或者从交流电源插座拔下交流电源线，然后重新连接。播放器将可正常操作。
- 在使用后，请务必取出光盘并关闭播放器。
- 如果有很长一段时间不会使用播放器，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。
- 请勿将播放器暴露于任何液体中。
- 当将 AC 插头连接到墙上插座时，播放器在关闭后仍将通电（待机模式）。
- 不要将设备置于滴水或溅水的地方，同时不要将装有水的物件（如花瓶）放在设备上面。
- 将电源插头用作断开连接设备，它应该随时都可操作。



安全信息

机壳维护

清洁 Blu-ray 光盘柜前，请务必从 AC 插座拔下 AC 电源线。

- 不要使用苯、稀释剂或其它溶剂进行清洁。
- 使用柔软的布料擦拭机壳。

播放限制

- 此播放器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，这不属于播放器缺陷。

- Samsung 不能保证本播放器可播放带有 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。

如果您在使用本播放器播放 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它信息。

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在使用用户手册之前

播放器可播放的光盘类型和内容如下

术语	徽标	图标	定义
视频	 	 	这涉及以 BD-RE 格式录制的 BD-ROM 或 BD-RE/-R 光盘上的可用功能。
	     	 	这涉及 DVD-VIDEO 上或已录制且已最终化的 DVD+RW/ DVD-RW(V)/DVD-R/+R 光盘上的可用功能。
	-		这涉及在包含 DivX、MKV 和 MP4 内容的 CD-RW/-R、DVD-RW/-R、BD-RE/-R 光盘或 USB 存储媒体中可用的功能。
音乐			这涉及在音频 CD-RW/-R (CD-DA 格式) 上可用的功能。
	-		这涉及在包含 MP3 或 WMA 内容的 CD-RW/-R、DVD-RW/-R、BD-RE/-R 光盘或 USB 存储媒体中可用的功能。
照片	-		这涉及在包含 JPEG 内容的 CD-RW/-R、DVD-RW/-R、BD-RE/-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，播放器可能无法播放某些 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。
 - 如果内容在录制到 DVD-R 上时的采样率超过 10 Mbps，那么播放器将无法播放此内容。
 - 如果内容在录制到 BD-R 或 USB 设备上时的采样率超过 30 Mbps，那么播放器将无法播放此内容。

播放器无法播放的光盘类型

- 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。

开始使用

注

- 对于在您所在地区之外购买的一些商业光盘和 DVD 光盘，可能不能使用本播放器进行播放。
- 对于某些类型的光盘，或者使用特定功能（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、划痕或香烟灰会使得无法使用光盘进行播放。
- 播放 BD-J 标题时，加载时间可能比普通标题长一些，一些功能可能运行速度较慢。
- 此播放器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，这不是播放器缺陷。
- Samsung 不能保证本播放器可播放带有 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。
如果您在使用本播放器播放 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它信息。

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。有关其它信息，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

Blu-ray 光盘只能用于播放。
本播放器可以播放预先录制的商业 BD-ROM 光盘。

BD-RE/-R

Blu-ray RE/-R 光盘可以录制和播放。
本播放器可以播放其它兼容的 Blu-ray 光盘录制机录制的 BD-RE/-R 光盘。

DVD-VIDEO

- 本播放器可以播放含有电影的预先录制的商业 DVD（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。这并非播放器功能异常。

DVD-RW/-R/+R

本播放器可以播放使用 DVD 视频录制机录制和最终化的 DVD-RW/-R/+R 光盘。播放能力可能取决于录制条件。

DVD+RW

- 本播放器可以播放使用 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。

音频 CD (CD-DA)

- 本播放器可以播放 CD-DA 格式的音频 CD-RW/-R 光盘。
- 由于录制条件，本播放器可能无法播放某些 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）或以上容量的光盘，因为此类光盘可能无法播放。
- 如果 CD-RW/-R 光盘未录制为闭合的区段。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播放器播放，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内容，播放能力可能会因内容和光盘而异。

AVCHD（高级高清视频编解码器）

- 此播放器可播放 AVCHD 格式的光盘。这些光盘通常在摄像机中录制和使用。
- 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 光盘采用“x.v.Color”格式。此播放器可以播放采用“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 摄录机光盘更大。
- 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

播放器和光盘都是按地区编码的。此类地区编码必须与要播放的光盘相匹配。如果编码不匹配，光盘将无法播放。

此播放器的“地区编号”位于播放器的后面板上。

光盘类型	地区代码	地区
Blu-ray 光盘		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。
		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
		俄国、东欧、印度、非洲大部分地区、北朝鲜和蒙古
		中国

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开始使用

受支持的文件格式

USB 连接注意事项

- 播放器支持 USB 存储介质、MP3 播放器、数码相机和 USB 读卡器。
- 此播放器不支持超过 128 个字符的文件夹名称或文件名称。
- 一些 USB 或数码相机设备可能与此播放器不兼容。
- 播放器支持 FAT16、FAT32 和 NTFS 文件系统。
- 将 USB 设备直接连接到播放器 USB 端口。通过 USB 电缆连接可能会导致兼容性问题。
- 将多个内存设备连接到多卡读卡器中，可能导致读卡器无法正常操作。
- 播放器不支持 PTP 协议。
- 在“加载”过程中不要断开 USB 设备连接。
- 图像分辨率越大，显示延迟的时间越长。
- 此播放器无法播放从商业网站下载的带有 DRM（数字版权管理）功能的 MP3 文件。
- 不支持外部 HDD 设备。
- 播放器仅支持 30fps（帧率）以下的视频。

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	MP3 AC3 DTS	1920x1080
		DivX 5.1/6.0		1920x1080
		XviD		1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV (wmv9)	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 标准 * 采样率 (kHz) – 8、11、16、22、32、44.1、48 * 比特率 – 5kbps 到 384kbps 范围内的所有比特率

播放器可播放光盘的徽标

			
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

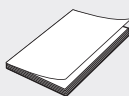
检查下面列示的随附附件。



音频 / 视频电缆



遥控器电池（AAA 型）



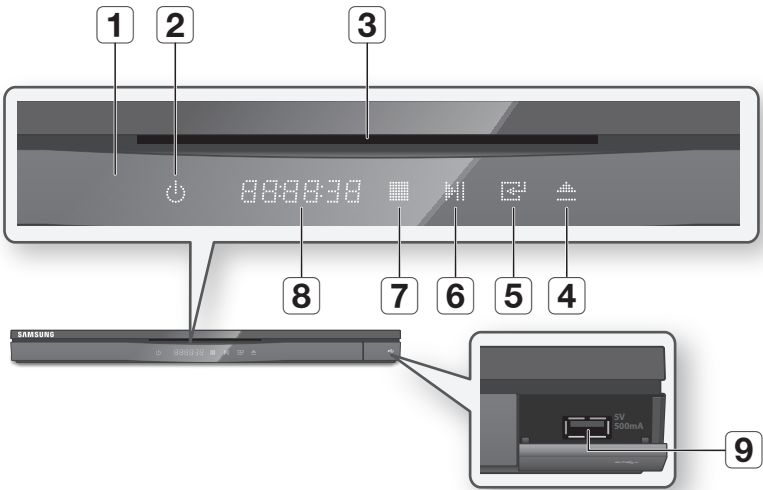
用户手册



遥控器

开始使用

前面板

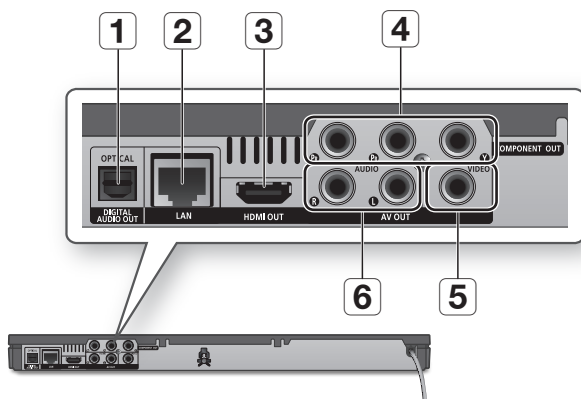


1	遥控器感应器	检测来自遥控器的信号。
2	电源按钮	打开或关闭播放器。
3	光盘插槽	插入光盘。
4	弹出按钮	弹出光盘。
5	确认按钮	选择菜单项或启动光盘。
6	播放 / 暂停按钮	播放光盘或暂停播放。
7	停止按钮	停止播放。
8	显示屏	显示播放状态、时间等。
9	USB HOST	可在此处连接 USB 闪存棒，并在播放器连接至 BD-LIVE 时将其用作存储器。 也可将 USB Host 用于软件升级和 MP3/JPEG/DivX/MKV/MP4 播放。

 注

- 使用带有 USB 闪存棒的 USB Host 插孔即可完成软件升级。
- 播放器显示 Blu-ray 光盘菜单时，此刻按下播放器或遥控器上的“播放”按钮不能开始播放电影。要播放电影，必须在光盘菜单中选择播放电影或开始，然后按**确认按钮**。

后面板



1	DIGITAL AUDIO OUT	连接到 AV 接收器。
2	LAN	可用于基于网络的服务（请参阅第 54~63 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 AV 接收器以取得最佳音质。
4	COMPONENT OUT	连接到具有分量视频输入的外部设备。
5	VIDEO OUT	使用视频电缆连接到外部设备的视频输入。
6	AUDIO OUT	使用音频电缆连接到外部设备的音频输入。

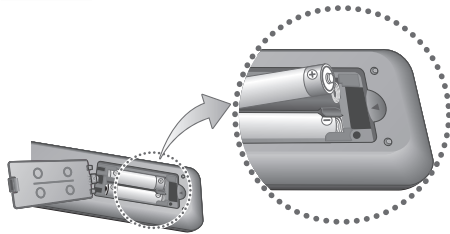
开始使用

遥控器

遥控器一览



安装电池



注

- 如果遥控器无法正常工作：
 - 检查电池的正负极。
 - 检查电池电量是否已耗尽。
 - 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

- 根据当地环境法规处置电池。切勿将其放入家庭垃圾。

设置遥控器以操作电视

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，请使用电视遥控器。

要确定您的电视是否兼容，请按照下面的步骤操作。

1. 打开电视。
2. 使遥控器对着电视。
3. 按住 **电视电源** 按钮，然后输入右侧表格中对应于电视品牌的两位数代码（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。遥控器现已设定为操作此电视。

注

- 如果列出几个代码表示您的电视品牌，请依次尝试每个代码，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。

电视控制代码

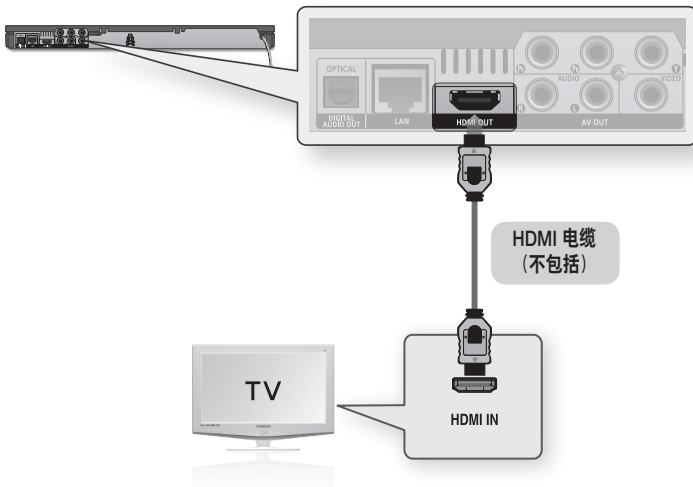
品牌	代码	品牌	代码
SAMSUNG	电视电源 +01, +02, +03, +04, +05, +06, +07, +08, +09	NOBLEX	电视电源 +66
		NOKIA	电视电源 +74
AIWA	电视电源 +82	NORDMENDE	电视电源 +72, +73, +75
ANAM	电视电源 +10, +11, +12, +13, +14, +15, +16, +17, +18	PANASONIC	电视电源 +53, +54, +74, +75
		PHILIPS	电视电源 +06, +55, +56, +57
BANG & OLUFSEN	电视电源 +57	PHONOLA	电视电源 +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	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	TELEAUA	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，将播放器后面的 HDMI OUT 端子连接到电视的 HDMI IN 端子。
2. 打开播放器和电视。
3. 请按电视遥控器上的输入选择器，直到播放器的 HDMI 信号显示在您的电视屏幕为止。
 - 如果已设置播放器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。

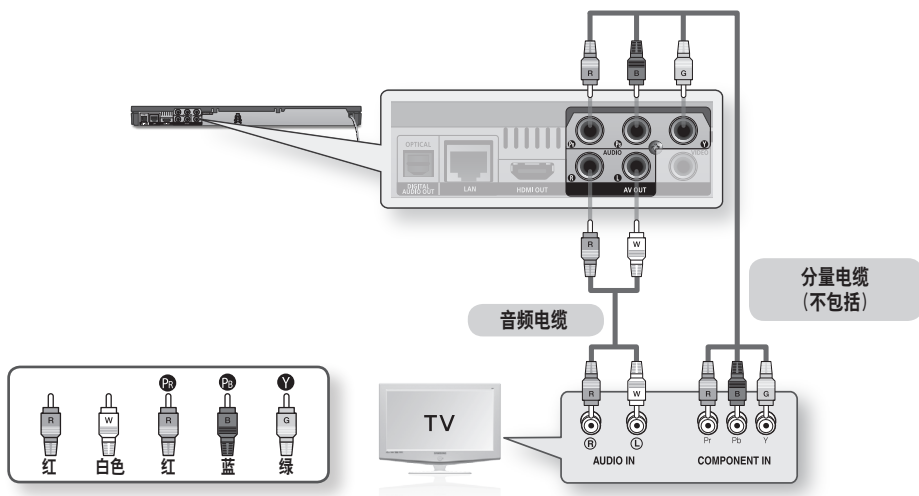


注

- 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 输出模式将播放器连接至电视，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 电缆首次将播放器连接至电视或连接至新的电视时，HDMI 输出分辨率将自动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 电缆过长时，可能会导致屏幕噪讯。如果出现这种情况，请在菜单中将深色设置为关闭。
- 使用 HDMI-to-DVI 电缆连接显示设备时，还必须将 AV 输出或数字音频输出连接到显示设备或者音频系统，才能听见声音。

例子 2：使用分量电缆连接至电视 - 最佳质量

- 可以使用分量视频电缆将播放器连接到电视。
 - 将欣赏到精确颜色重现的高质量图像。分量视频将图片元素分离为黑白 (Y)、蓝色 (P_B) 和红色 (P_R) 信号以呈现清楚且清晰的图像。(音频信号通过音频输出提供。)
1. 使用分量视频电缆，将播放器后面的 COMPONENT OUT 端子连接到电视的 COMPONENT IN (分量输入) 端子。
 2. 使用音频电缆，将播放器后面的 AUDIO OUT (红色和白色) 端子连接到电视的 AUDIO IN (红色和白色) 端子。
 3. 打开播放器和电视。
 4. 请按电视遥控器上的输入选择器，直到播放器的“COMPONENT”信号显示在您的电视屏幕为止。
 - 如果已设置播放器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 COMPONENT 作为电视的外部来源。



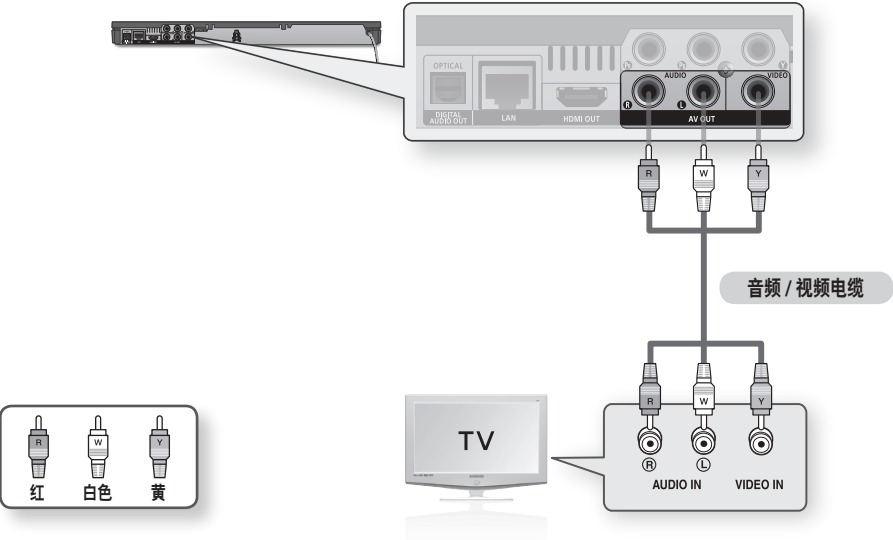
注

- 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“P_B、P_R、Y”。端子的数量和位置可能因电视机而异。请参阅您电视的用户手册。
- 可以从多种分辨率设置中选择，如 1080i、720p、576p/480p 或 576i/480i，具体视内容类型而定。(请参阅 30~32 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。分辨率可能因内容类型而异。(请参阅 30~32 页)

连接

例子 3：通过音频 / 视频电缆连接电视 - 一般质量

1. 使用音频 / 视频电缆，将播放器后面的 VIDEO OUT (黄色) /AUDIO OUT (红色和白色) 端子连接到电视的 VIDEO IN (黄色) /AUDIO IN (红色和白色) 端子。
2. 打开播放器和电视。
3. 请按电视遥控器上的输入选择器，直到播放器的“VIDEO”信号显示在您的电视屏幕为止。
 - 如果已设置播放器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 VIDEO 作为电视的外部来源。



注

- 如果音频电缆离电源线太近，则可能会产生噪讯。
- 如果要连接到 AV 接收器，请参阅 AV 接收器连接页。（请参阅第 23~24 页）
- 输入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。

！ 注意

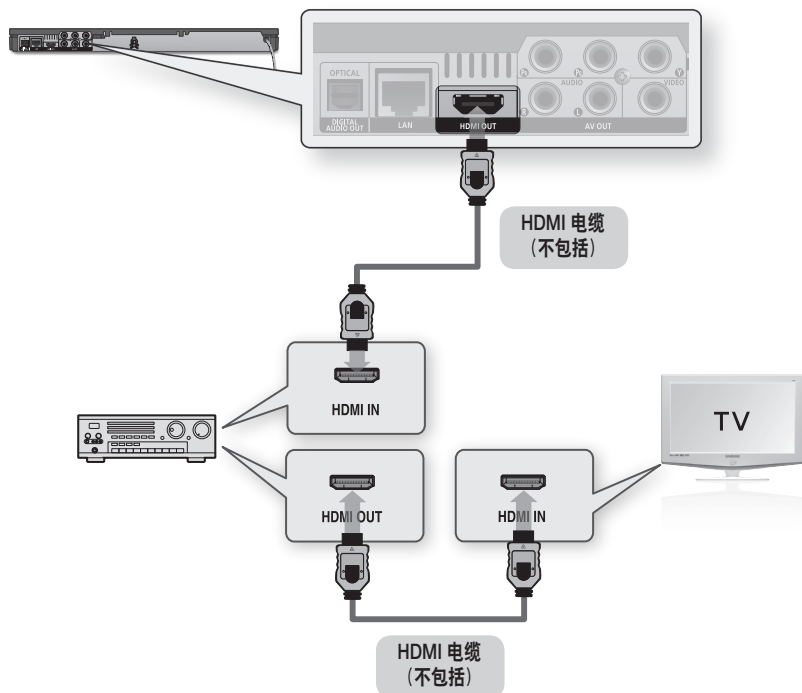
- 不要通过 VCR 将播放器与电视连接。VCR 连通的视频信号可能会受到版权保护系统的影响，电视图像将会失真。

连接至音频系统

- 在打开 AV 接收器时，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 AV 接收器的功能设置音频输出格式。（请参阅 33~35 页）
- HDMI 输入端子的位置可能因 AV 接收器而异。请参阅 AV 接收器的用户手册。

例子 1：连接至音频系统（支持 HDMI 的 AV 接收器）- 最佳质量（建议）

1. 使用 HDMI 电缆，将播放器后面的 HDMI OUT 端子连接到 AV 接收器的 HDMI IN 端子。
2. 使用 HDMI 电缆，将 AV 接收器的 HDMI OUT 端子连接到电视的 HDMI IN 端子。
3. 打开播放器、电视和 AV 接收器。
4. 请按 AV 接收器和电视的输入选择按钮并选择外部输入，以收听来自播放器的声音。请参阅 AV 接收器的用户手册以设置 AV 接收器的音频输入。



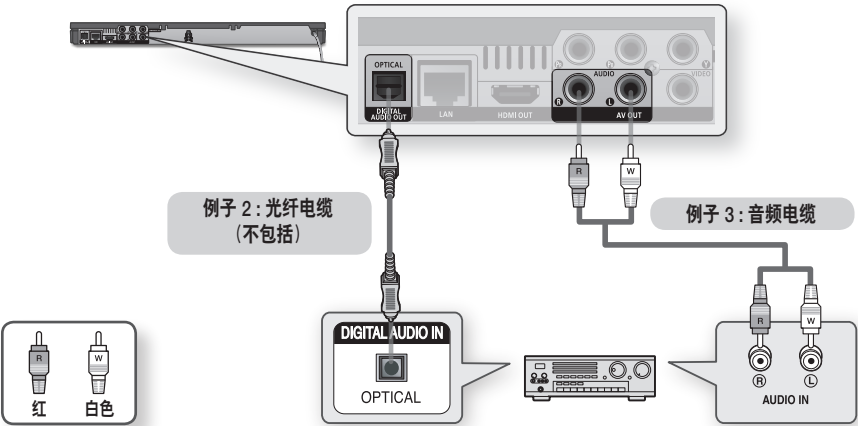
连接

例子 2：连接到音频系统（支持杜比数码或 DTS 解码器的 AV 接收器） - 较好质量

1. 使用光纤电缆，将播放器后面的 DIGITAL AUDIO OUT (OPTICAL) 端子连接到 AV 接收器的 DIGITAL AUDIO IN (OPTICAL) 端子。
2. 使用视频信号电缆，将播放器背面的 HDMI、COMPONENT 或 VIDEO OUT 端子连接到电视的 HDMI、COMPONENT 或 VIDEO IN 端子。（请参阅第 20~22 页）
3. 打开播放器、电视和 AV 接收器。
4. 请按 AV 接收器的输入选择按钮并选择外部输入，以收听播放器的声音。请参阅 AV 接收器的用户手册以设置 AV 接收器的音频输入。
5. 请按电视遥控器上的输入选择器，选择视频来源（HDMI、Component 或 Video）。

例子 3：连接至音频系统（立体声放大器） - 一般质量

1. 使用音频电缆，将播放器后面的 AUDIO OUT（红色和白色）端子连接到立体声放大器的 AUDIO IN（红色和白色）端子。
2. 使用视频信号电缆，将播放器背面的 HDMI、COMPONENT 或 VIDEO OUT 端子连接到电视的 HDMI、COMPONENT 或 VIDEO IN 端子。（请参阅第 20~22 页）
3. 打开播放器、电视和立体声放大器。
4. 请按立体声放大器的输入选择按钮，选择外部输入，以收听播放器的声音。请参阅立体声放大器的用户手册以设置立体声放大器的音频输入。
5. 请按电视遥控器上的输入选择器，选择视频来源（HDMI、Component 或 Video）。



注

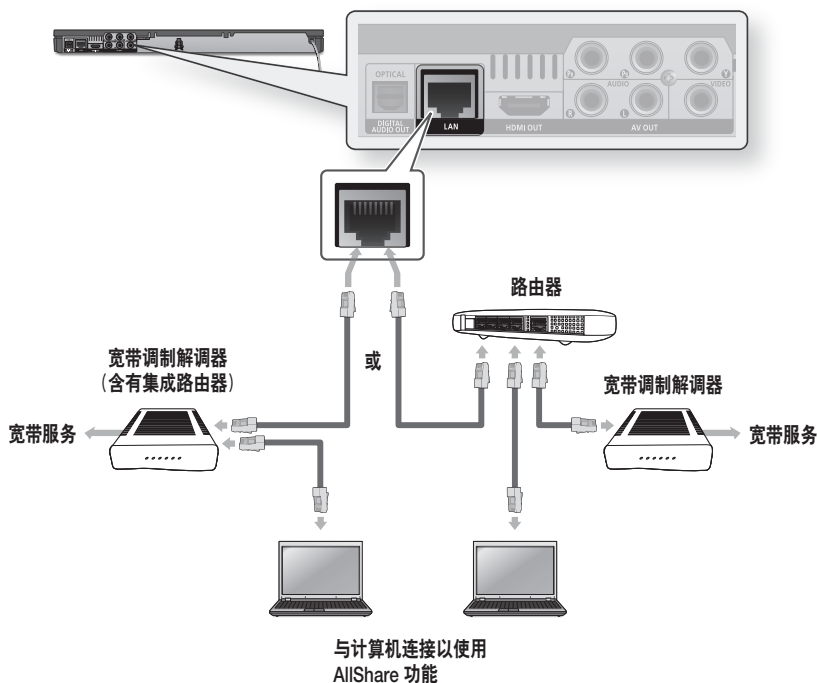
- 如果使用例子 2 中所述的数字音频连接，则只能通过支持 PCM 数字输出设置的前面两个扬声器收听音频。

连接至网络

连接到网络时，此播放器允许您使用基于网络的服务（请参阅第 54~63 页），例如 Smart Hub 和 BD-LIVE 以及软件升级。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），将播放器的 LAN 端子连接至调制解调器的 LAN 端子。
2. 要设置网络选项，请参阅第 36~40 页。



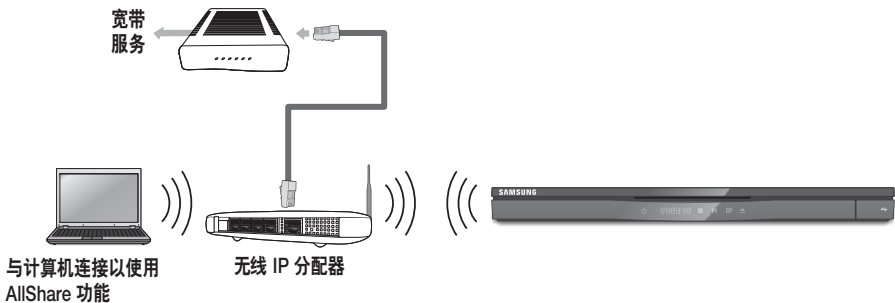
注

- 可能无法通过互联网访问 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선连接或无线连接。

连接

无线网络

播放器具有内置 Wi-Fi 功能。可以通过无线 IP 分配器（路由器或调制解调器）连接到网络。要设置网络选项，请参阅第 36~39 页。



注

- 要使用无线网络，必须将播放器连接至无线 IP 分配器（路由器）。如果无线 IP 分配器支持 DHCP，则播放器可以使用 DHCP 或静态 IP 地址连接至无线网络。
- 为无线 IP 分配器选择当前未在使用中的通道。如果附近另一个设备当前正在使用为无线 IP 分配器设置的通道，则会导致干扰和通信失败。
- 如果选择“纯高通”（Greenfield）802.11n 模式并且将 AP 的加密类型设置为 WEP、TKIP 或 TKIPAES（WPS2Mixed），则播放器将不支持符合新的 Wi-Fi 认证规范连接。
- 如果 AP 支持 WPS（Wi-Fi Protected Setup，Wi-Fi 保护设置），则您可以通过 PBC（Push Button Configuration，按钮配置）或 PIN（Personal Identification Number，个人识别号）连接到网络。WPS 将在任一模式中自动配置 SSID 和 WPA 密钥。
- 可采用三种方法设置无线网络：
 - 无线（常规）
 - 使用 WPS (PBC)。
 - One Foot Connection无线（常规）包括“自动”和“手动”设置过程。
- 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 Infrastructure 模式。不支持对等模式。
- 本播放器只支持下列无线安全密钥协议：
 - WEP（开放式 / 共享式），WPA-PSK(TKIP/AES)，WPA2-PSK(TKIP/AES)
- 要使用 AllShare 功能，必须将计算机连接至网络，如图中所示。连接可以是有线连接或无线连接。

设置

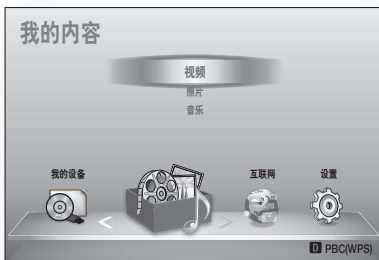
初始设置

1. 连接播放器后打开电视。
第一次将播放器连接至电视时，播放器会自动打开并显示“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 30 页）
5. 按 ▶▶ 按钮选择所需的“网络设置”：**有线**、**无线（常规）**、**WPS(PBC)** 或 **One Foot Connection**，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)** 按钮跳过“网络设置”，在此时跳过“网络设置”，完成“初始设置”，然后转到主菜单。如果您选择了“网络设置”，请转到 36~40 页获得有关“网络设置”的更多信息。完成后，转到步骤 6。
6. 主菜单将会出现。（有关主菜单的更多信息，请参阅第 28 页。）

• 主菜单



注

- 第一次将播放器连接至电视时，播放器将会自动打开。这不是故障。
- 如果不按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。
- 如果您要再次显示“初始设置”屏幕来进行更改，请选择“重置”。（请参阅第 41 页）
- 如果您要使用 HDMI 电缆将播放器连接至符合 Anynet+(HDMI-CEC) 的 Samsung 电视。
 - 1.) 应在电视和播放器上将 Anynet+(HDMI-CEC) 功能设置为打开。
 - 2.) 应将电视设置为播放器支持的语言，电视自动将该语言作为首选语言。
- 如果播放器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。如果播放器保留在屏幕保护程序模式超过 20 分钟，则电源会自动关闭。

设置

访问设置菜单

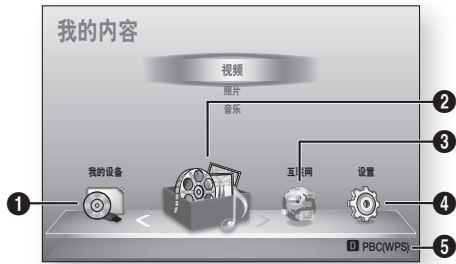


1	菜单按钮：按此按钮可移至主菜单。
2	返回按钮：返回到上一个菜单。
3	确认 / 方向按钮： 移动光标或选择项目。 激活当前选中的项目。 确认设置。
4	退出按钮：按此按钮可以退出当前菜单。

要访问“设置”菜单和子菜单，请按照下面的步骤操作：

1. 按 **电源** 按钮。
主菜单将会出现。

• 主菜单



1	选择我的设备。
2	选择我的内容。
3	选择互联网。
4	选择设置。
5	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

- 播放器连接到网络时，选择主菜单上的 Smart Hub（智能集线器）。
从 **Samsung Apps** 下载所需的内容。
(请参阅第 61~63 页)
- 访问步骤可能会因选择的菜单而异。
- 升级软件版本后，播放器中的 OSD（屏幕显示）可能会更改。

• 设置菜单



以下为：“设置”菜单显示“3D 设置”子菜单。
设置菜单设有以下菜单项：

- 显示
- 音频
- 网络
- 系统
- 语言
- 安全
- 常规
- 支持

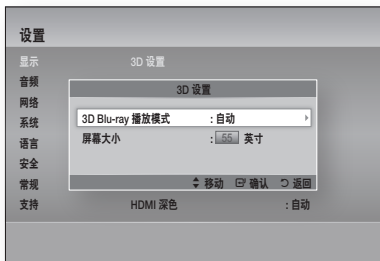
以下页面按上述顺序介绍各个菜单项，从“显示”开始。

显示

可以配置各种显示选项，例如电视高宽比、分辨率等。

3D 设置

选择是否以 3D 模式播放具有 3D 内容的 Blu-ray 光盘。



3D Blu-ray 播放模式

3D Blu-ray 光盘有两种格式：Blu-ray 3D 和仅 3D。在播放光盘之前，可以选择以 3D 或 2D 模式观看 Blu-ray 3D 光盘。

- **自动**：自动检测连接的电视是否具有 3D 功能，并相应地以 3D 或 2D 模式播放 Blu-ray 3D 光盘，或者如果电视支持 3D，以 3D 模式播放仅 3D 光盘。
如果电视不支持 3D，则无法播放仅 3D 光盘。
- **3D → 3D**：始终以 3D 模式播放仅 3D 和 Blu-ray 3D 光盘。
- **3D → 2D**：始终以 2D 模式播放 Blu-ray 3D 光盘。仅 3D 光盘无法播放。

注

- 对于某些 3D 光盘，要在 3D 播放期间停止电影，则按下一次 **停止** (■) 按钮。电影将会停止且 3D 模式选项将会取消。
要在 3D 电影播放过程中更改 3D 选项，则按下一次 **停止** (■) 按钮。Blu-ray 菜单将会显示。再次按下 **停止** (■) 按钮，然后在 Blu-ray 菜单中选择“3D 设置”。
- 根据电视屏幕上画面的内容及其播放位置，可能会在左边和 / 或右边看到垂直黑条。

屏幕大小

可让您输入电视的实际屏幕尺寸，以便播放器可以根据屏幕尺寸调整图像并显示最佳的 3D 图像。（对于大于 116 英寸的 3D 播放器，将播放器设置为 116 也是安全之策。）

！ 注意

- 如果要欣赏 3D 内容，请使用高速 HDMI 电缆将 3D 设备（符合 3D 的 AV 接收器或电视）连接到播放器的 HDMI OUT 端口。戴上 3D 眼镜，然后播放 3D 内容。
- 3D 信号只能使用 HDMI 电缆通过 HDMI OUT 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、屏幕大小调整和分辨率调整）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。
- 观看 3D 图像时，至少与电视保持屏幕 3 倍远的距离。例如，如果屏幕为 46 英寸，应当与屏幕保持 138 英寸（3.5 米）。
- 将 3D 视频屏幕与眼睛同高，可获得最佳 3D 画面。
- 如果将播放器连接到一些 3D 设备，3D 效果可能无法正常起作用。
- 该播放器无法将 2D 内容转换成 3D。
- “Blu-ray 3D”和“Blu-ray 3D”徽标是 Blu-ray Disc Association 的商标。

设置

电视屏幕比例

根据所拥有的电视的类型，您可能要调整屏幕大小设置。

- **16:9 原始大小**：将播放器连接至 16:9 电视屏幕时选择此选项。播放器将以原始高宽比显示所有内容。内容格式为 4:3 的画面两边将会有黑边。
- **16:9 全屏**：将播放器连接至 16:9 电视屏幕时选择此选项。所有内容将填充整个屏幕。格式为 4:3 的内容将被延伸。
- **4:3 信箱模式**：将播放器连接至 4:3 电视屏幕时选择此选项。播放器将以原始高宽比显示所有内容。内容格式为 16:9 的画面上下将会有黑边。
- **4:3 全景**：将播放器连接至 4:3 电视屏幕时选择此选项。将会切除 16:9 内容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 16:9 原始大小，电视可能会显示 4:3 Pillarbox（图片各边有黑条）。

Smart Hub 屏幕尺寸

将 Smart Hub 屏幕设置为最优尺寸。

- **尺寸 1**：Smart Hub 屏幕尺寸将小于默认尺寸。可能会在屏幕边上看到一些黑条。
- **尺寸 2**：此选项是 Smart Hub 的默认设置。播放器将显示正常 Smart Hub 屏幕尺寸。
- **尺寸 3**：此选项将显示较大的 Smart Hub 屏幕尺寸。图像对于您的电视屏幕而言可能太大。

BD Wise（仅限 Samsung 播放器）

BD Wise 是 Samsung 最新的互连功能。

如果使用 BD Wise 将 Samsung 播放器和 Samsung 电视用 HDMI 互相连接，且 BD Wise 在播放器和电视上都打开，播放器将以 Blu-ray 光盘 /DVD 的视频分辨率和帧率输出视频。

- **关**：不管光盘的分辨率如何，输出分辨率固定为先前在“分辨率”菜单中设置的分辨率。请参阅下方的“分辨率”。
- **开**：播放器将以 Blu-ray 光盘 /DVD 的原始分辨率和帧率输出视频。

注

- BD Wise 打开时，“分辨率”设置自动默认为 BD Wise，“分辨率”菜单中将显示 BD Wise。
- 如果将播放器连接至不支持 BD Wise 的设备，则不能使用 BD Wise 功能。
- 为了使 BD Wise 正确操作，请在播放器和电视上将 BD Wise 菜单设置为开。

分辨率

可以将分量和 HDMI 视频信号的输出分辨率设置为自动、1080p、1080i、720p、576p/480p 或 576i/480i。数字表示每帧视频的行数。i 和 p 分别表示隔行和逐行扫描。行数越多，质量越高。

- **自动**：自动将输出分辨率设置为相连电视的最大分辨率。
- **BD Wise**：如果使用 BD Wise 功能用 HDMI 连接播放器，则自动将分辨率设置为 Blu-ray 光盘 /DVD 的分辨率。（仅当将 BD Wise 设置为开时，BD Wise 菜单项才会出现。请参阅上方“BD Wise”。）
- **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 /E-contents/ 数字内容播放

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
	Blu-ray 光盘	E-contents/ 数字内容		Blu-ray 光盘	E-contents/ 数字内容	
BD Wise	Blu-ray 光盘 分辨率	1080p	576i/480i	-	-	-
自动	电视输入最大分辨率	电视输入最大分辨率	576i/480i	-	-	-
1080p	1080p	1080p	576i/480i	-	-	-
电影帧: 自动 (24Fs)	1080p@24F	1080p@24F	480i	-	-	-
1080i	1080i	1080i	576i/480i	576i/480i	576p/480p	576i/480i
720p	720p	720p	576i/480i	576i/480i	576p/480p	576i/480i
576p/480p	576p/480p	576p/480p	576i/480i	576i/480i	576p/480p	576i/480i
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
BD Wise	576i/480i	576i/480i	-	-
自动	电视输入最大分辨率	576i/480i	-	-
1080p	1080p	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

设置

注

- 如果播放器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“是”后未显示图片，请等待 15 秒返回先前分辨率。是否更改分辨率？”将会出现。
如果选择**是**，电视屏幕将会空白 15 秒，分辨率将自动还原到先前值。
- 如果更改分辨率后屏幕仍然空白，则取下所有光盘，然后按下播放器前面的 **停止** (■) 按钮并保持 5 秒以上。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，将会删除所有存储的用户 BD 数据。
- Blu-ray 光盘必须具有 24 帧功能，播放器才能使用电影帧 (24Fs) 模式。
- 如果同时连接 HDMI 和分量插孔，并且当前正在查看分量输出，则分辨率固定为 576i/480i。

HDMI 颜色格式

设置 HDMI 输出的颜色空间格式，与相连设备（电视、显示器等）的功能匹配。

- **自动**：自动将播放器设置为设备支持的最佳格式。
- **YCbCr (4:4:4)**：如果电视通过 HDMI 支持 YCbCr 颜色空间，选择此项输出正常 YCbCr 色域。
- **RGB (标准)**：选择此项输出正常 RGB 色域。
- **RGB (增强)**：如果播放器连接到 DVI 显示设备（如显示器），选择此项输出增强的 RGB 色域。

电影帧 (24Fs)

将电影帧 (24Fs) 功能设置为 **自动**，可以将播放器的 HDMI 输出调整为每秒 24 帧，从而提高画面质量。

只能在支持此帧速率的电视上使用电影帧 (24Fs) 功能。只有播放器处于 HDMI 1080i 或 1080p 输出分辨率模式时才可选择电影帧。

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

HDMI 深色

从 HDMI OUT 插孔带深色输出视频。深色实现颜色深度更深的精确颜色重现。

- **自动**：带 深色将视频输出至支持 HDMI 深色的电视。
- **关**：不带 深色输出图像。

静止模式

设置在暂停 DVD 播放时，播放器显示的图像的类型。

- **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。

渐进模式

观看 DVD 时，设置为此项可以提高画面质量。

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

音频

数字输出

此项可设置数字输出，使播放器与相连 AV 接收机的功能匹配：

- **PCM**：连接支持 HDMI 的 AV 接收机时选择此项。
- **源码（未处理）**：连接支持 HDMI 且具有 Dolby TrueHD 和 DTS-HD Master Audio 解码功能的 AV 接收机时选择此项。
- **源码（DTS 重新编码）**：使用可以解码 DTS 的“数字光纤”输入连接 AV 接收机时选择此项。
- **源码（Dolby D 重新编码）**：没有支持 HDMI 的 AV 接收机，但有具备“杜比数码”解码功能的 AV 接收机时选择此项。

有关详情，请参阅“数字输出选择”表。（请参阅第 34 页）

设置

数字输出选择

设置		PCM		源码（未处理）		源码 (DTS 重新编码)	源码 (Dolby D 重新编码)
连接		支持 HDMI 的 AV 接收机	光纤	支持 HDMI 的 AV 接收机	光纤	支持 HDMI 的 AV 接收机或光纤	支持 HDMI 的 AV 接收机或光纤
Blu-ray 光盘 上的音频流	PCM	最多 7.1 声道	PCM 2 声道	PCM	PCM 2 声道	DTS 重新编码	重新编码 Dolby Digital*
	Dolby Digital	最多 7.1 声道	PCM 2 声道	Dolby Digital	Dolby Digital	DTS 重新编码	重新编码 Dolby Digital*
	Dolby Digital 加强版	最多 7.1 声道	PCM 2 声道	Dolby Digital 加强版	Dolby Digital	DTS 重新编码	重新编码 Dolby Digital*
	Dolby TrueHD	最多 7.1 声道	PCM 2 声道	Dolby TrueHD	Dolby Digital	DTS 重新编码	重新编码 Dolby Digital*
	DTS	最多 6.1 声道	PCM 2 声道	DTS	DTS	DTS 重新编码	重新编码 Dolby Digital*
	DTS-HD HRA	最多 7.1 声道	PCM 2 声道	DTS-HD HRA	DTS	DTS 重新编码	重新编码 Dolby Digital*
	DTS-HD MA	最多 7.1 声道	PCM 2 声道	DTS-HD MA	DTS	DTS 重新编码	重新编码 Dolby Digital*
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	PCM 2 声道
	Dolby Digital	最多 5.1 声道	PCM 2 声道	Dolby Digital	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	最多 6.1 声道	PCM 2 声道	DTS	DTS	DTS	DTS
Blu-ray 光盘 的清晰度	任意	将主要特征音频和 BONUSVIEW 音频流一 起解码为 PCM 音频，并 添加导航声音效果。		仅输出主要特征音频流，因 此 AV 接收机可以解码音频 Beatstream。 您将听不到 BONUSVIEW 音频和导航声音效果。		将主要特征音频 和 BONUSVIEW 音频流一起解 码为 PCM 音 频，并添加导 航声音效果， 然后将 PCM 音 频重新编码为 DTS Beatstream。	将主要特征音频和 BONUSVIEW 音 频流一起解码为 PCM 音频，并添 加导航声音效果， 然后将 PCM 音频 重新编码为 Dolby Digital Beatstream 或 PCM。

* 如果源流为 2ch，则不会应用“Dolby D 重新编码”。输出将为 LPCM 2ch。

Blu-ray 光盘可能包括三种音频流：

- 主要特征音频：具有主要特征的音频音轨。
- BONUSVIEW 音频：导演或学员评论等附加音轨。
- 导航声音效果：选择一些菜单导航时，可能会发出导航声音效果。导航声音效果在每张 Blu-ray 光盘上是不相同的。

 注

- 请务必选择正确的数字输出，否则将听不到声音，或者听到很大声的噪音。
- 如果 HDMI 设备（AV 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 BONUSVIEW 音频和导航声音效果。
- 一些 Blu-ray 光盘没有 BONUSVIEW 音频和导航声音效果。
- 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。
当将播放器连接至 AV 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 Beatstream）。

PCM 向下取样

将 48kHz 和 96kHz PCM 向下取样设置为打开或关闭。

- **关**：当将 AV 接收机连接至兼容 96kHz 的播放器时选择此项。
- **开**：当将 AV 接收机连接至不兼容 96kHz 的播放器时选择此项。96kHz 信号将向下转换为 48kHz。

 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。

HDMI

- 如果电视与压缩多声道格式（Dolby Digital、DTS）不兼容，则播放器可能会输出 PCM 2 声道缩混音频，即使在菜单上设置了 Beatstream（re-encoded 或未处理）也是如此。
- 如果电视与超过 48kHz 的 PCM 采样率不兼容，则播放器可能会输出 48kHz 向下取样的 PCM 音频，即使将 PCM 向下取样设置为**关**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。

仅当播放器检测到 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**：您可以观赏标准动态范围的电影。
- **开**：当以低音量或从较小的扬声器播放电影音轨时，系统可以应用适当的压缩，以使低级内容更容易懂，并防止戏剧吵闹声变得太大声。

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 模式

可以从音频 CD（CD-DA）中享受多声道声音。

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

 注

- 如果使用的是 HDMI 支持的 AV 接收器，则仅当将数字输出设置设置为 PCM 时，此选项才可用。

设置

网络

开始之前，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，并且您使用的是有线或无线连接，则建议您使用自动设置。如果您使用的是无线连接，并且路由器具有此功能，可以使用 WPS(PBC) 或 One Foot Connection。

如果您的 IP 地址是静态的，有线连接和无线连接都必须使用手动设置。

网络设置

要开始设置播放器的网络连接，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**有线**、**无线（常规）**、**WPS(PBC)** 或 **One Foot Connection**，然后按**确认**按钮。
5. 如果是有线网络，请转至下面的“有线网络”。如果是无线网络，请转至 37~39 页的“无线网络”。

有线网络

设置有线连接 - 自动

1. 按下 ▲▼ 按钮选择**有线**。



2. 按下**确认**按钮。
“网络状态”屏幕将会出现。确认网络连接后，播放器连接到网络。

设置有线连接 - 手动

如果您的 IP 地址是静态的，或“自动设置”不起作用，则需要手动设置网络设置值。

要查看大部分 Windows 计算机的网络设置值，请按照下面的步骤操作：

Windows XP

1. 右键单击 Windows 桌面右下角中的“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”。

Windows 7

1. 单击 Windows 桌面右下角中的“网络”图标。
2. 在弹出菜单中，单击“网络和共享中心”。

- 根据您的网络连接，在出现的对话框上，单击“本地连接”或“无线网络连接”。
- 在“支持”选项卡中，单击“详细信息”按钮。将会显示“网络设置”。

注

- 此信息因 Windows 版本而异。

要将网络设置输入到播放器中，请按照下面的步骤操作：

- 按 ▲▼ 按钮选择**有线**，然后按**确认**按钮。
- 按 ◀▶ 按钮选择**IP 设置**，然后按**确认**按钮。
- 在“网络状态”屏幕上，选择“取消”，然后按“确认”。



- 按**确认**按钮选择**IP 模式**。
- 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）。
- 使用遥控器上的数字按钮输入数字。
- 完成每个字段后，使用 ▶ 按钮相继地移至下一字段。
还可以使用其它箭头按钮来上移、下移和返回。
- 输入**IP 地址**、**子网掩码**和**网关值**。

- 按 ▼ 按钮转至**DNS 模式**。

- 按 ▼ 按钮转至第一个 DNS 输入字段。如上面所示输入数字。

- 按**确认**按钮选择**OK**。

“网络状态”屏幕将会出现。确认网络连接后，播放器连接到网络。

无线网络

可采用三种方法设置无线网络：

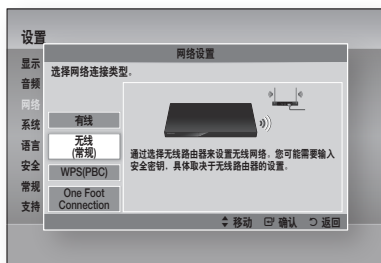
- 无线（常规）
- 使用 WPS(PBC)
- One Foot Connection

无线（常规）包括“自动”和“手动”设置过程。

设置无线网络连接 - 自动

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”，则在自动设置过程中必须输入“密码短语”。

- 按下 ▲▼ 按钮选择**无线（常规）**。



- 按**确认**按钮。
完成后，它将显示可用的网络列表。

设置

- 3. 按 **▲▼** 按钮选择所需的网络，然后按**确认**按钮。
“安全”屏幕将会出现。
- 4. 在“安全”屏幕上，输入网络的“密码短语”。
使用遥控器直接输入数字。
要选择字母，按 **▲▼◀▶** 按钮移动光标，然后按**确认**按钮。



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”。
- 5. 完成之后，按遥控器上的**绿色 (B)** 按钮，或按 **▲▼◀▶** 按钮将光标移动到**完成**，然后按**确认**按钮。
“网络状态”屏幕将会出现。确认网络连接后，播放器连接到网络。

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。
要查看大部分 Windows 计算机的网络设置值，请按照下面的步骤操作：

■ Windows XP

- 1. 右键单击 Windows 桌面右下角中的“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”。

■ Windows 7

- 1. 单击 Windows 桌面右下角中的“网络”图标。
- 2. 在弹出菜单中，单击“网络和共享中心”。
- 3. 根据您的网络连接，在出现的对话框上，单击“本地连接”或“无线网络连接”。
- 4. 在“支持”选项卡中，单击“详细信息”按钮。
将会显示“网络设置”。

注

- 此信息因 Windows 版本而异。

要将网络设置输入到播放器中，请按照下面的步骤操作：

- 1. 请按照“设置无线网络连接 - 自动”中的步骤 1 至 4 操作。
- 2. 完成之后，按遥控器上的**绿色 (B)** 按钮，或按 **▲▼◀▶** 按钮将光标移动到**完成**，然后按**确认**按钮。“网络状态”屏幕将会出现。



- 3. 在“网络状态”屏幕上，选择“取消”，然后按“确认”。
- 4. 按 **◀▶** 按钮选择 **IP 设置**，然后按**确认**按钮。
- 5. 按**确认**按钮选择 **IP 模式**。
- 6. 按 **▲▼** 按钮选择 **手动**，然后按**确认**按钮。
- 7. 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字段。
还可以使用其它箭头按钮来上移、下移和返回。
- 输入 IP 地址、子网掩码和 网关值。
- 按 ▼ 按钮转至 DNS 模式。
- 按 ▼ 按钮转至第一个 DNS 输入字段。如上面所示输入数字。
- 按下确定按钮。
- “网络状态”屏幕将会出现。确认网络连接后，播放器连接到网络。

WPS(PBC)

设置无线网络连接最容易的方法是使用 WPS(PBC) 功能或 One Foot Connection 功能。如果无线路由器具有 WPS(PBC) 按钮，请按照下面的步骤操作：

- 按 ▲▼ 按钮选择 WPS(PBC)。



- 按确认按钮。
- 在两分钟内按路由器上的 WPS(PBC) 按钮。播放器将自动获得它需要的所有网络设置，然后连接至网络。
- “网络状态”屏幕将会出现。确认网络连接后，播放器连接到网络。

One Foot Connection

如果您有支持 One Foot Connection 的 Samsung 无线路由器，可以自动设置无线连接。要使用 One Foot Connection 功能进行连接，请按照下面的步骤操作：

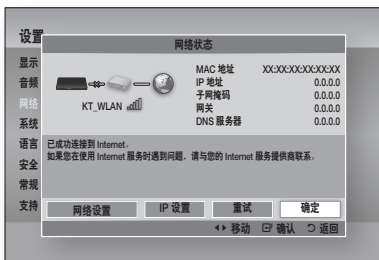
- 按 ▲▼ 按钮选择 One Foot Connection。



- 按确认按钮。
- 将 Samsung 无线路由器放置在播放器 25cm (10 英寸) 以内进行连接。
- 等待连接自动建立。

网络状态

检查是否已建立与网络和 Internet 的连接。



设置

BD-LIVE Internet 连接

使用 BD-LIVE 服务可以设置允许或禁止 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?**
当播放器使用 BD-LIVE 来将光盘数据和请求传送到服务器以认证光盘时, 服务器使用传送的数据来检查光盘是否有效并将证书发送回给播放器。
- 使用 BD-LIVE 内容时, Internet 连接可能会受到限制。

系统

初始设置

通过使用 初始设置功能, 可以设置语言、网络设置等。

有关 初始设置功能的详细信息, 请参阅本手册中的“初始设置”部分。(请参阅第 27~44 页)

Anynet+(HDMI-CEC)

Anynet+ 是一项方便的功能, 它提供与具有 Anynet+ 功能的其它 Samsung 播放器相连的操作。

要操作此功能, 请使用 HDMI 电缆将播放器连接至 Samsung 电视。

可以使用 Samsung 电视的遥控器操作播放器, 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。

- **关**: Anynet+ 功能将无法正常工作。
- **开**: Anynet+ 功能将正常工作。

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。请参阅您电视的用户手册。

Blu-ray 光盘数据管理

可让您管理从支持 BD-LIVE 服务的 Blu-ray 光盘下载的内容, 这些内容存储在闪存设备中。

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。

BD 数据管理屏幕信息:

- **总空间**: 设备的总内存大小。
- **可用空间**: 设备的可用内存大小。

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。
- 格式化存储设备后, 继续播放功能可能无法正常工作。
- BD 数据管理的总可用大小可能会因条件而异。

时区

可以指定适合您所在地区的时区。



DivX® 视频点播

查看 DivX® VOD 注册代码，购买并播放 DivX® VOD 内容。

重置

所有设置将还原到默认设置，网络设置和 Smart Hub 设置除外。

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

此功能与已指定年龄分级或数字分级的 Blu-ray 光盘 /DVD 搭配使用，分级表示内容的成熟度。这些数字有助于控制家庭观看的 Blu-ray 光盘 /DVD 类型。

在家长分级控制中选择您要设置的年龄分级，在 DVD 家长分级控制中选择您要设置的分级。播放器仅播放年龄分级或以下的 Blu-ray 光盘，仅播放数字分级以下的 DVD，除非输入密码。

数字越大表示内容越成熟。

BD 家长分级控制

禁止播放特定年龄分级的 Blu-ray 光盘，除非输入密码。

DVD 家长分级控制

禁止播放特定数字分级的 DVD，除非输入密码。

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. 按下前面板上的**停止** (■) 按钮并保持 5 秒以上。
所有设置将恢复为出厂默认设置。

注

- 恢复出厂默认设置时，将会删除所有存储的用户 BD 数据。

设置

常规

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。

光效

可调节播放器的光效。

- **始终打开**：任何时候都激活光效。建议用于零售显示。
- **自动**：打开或关闭播放器以及插入或弹出光盘时激活光效。建议家庭使用。
- **关**：关闭光效。

网络遥控器

通过无线连接到本地网络，网络遥控功能可以从远程设备（如智能手机）控制 Blu-ray 光盘播放器。要使用网络遥控功能，请按照下面的步骤操作：

1. 在网络遥控器菜单上选择**开**。
2. 安装 Samsung 网络遥控应用程序，在兼容的手持设备上控制播放器。
3. 确保手持设备和播放器连接在相同的无线路由器上。
4. 在手持设备上启动应用程序。应用程序将查找播放器并在列表上显示。
5. 选择播放器。
6. 如果是第一次使用此功能，将会询问您允许或禁止遥控播放器。选择**允许**。
7. 按照应用程序中的说明控制播放器。

支持

软件升级

软件升级菜单可让您升级播放器软件，以提高性能或取得其它服务。可以采用 4 种方法更新软件：

- 通过互联网
- 从 USB 升级
- 通过光盘
- 通过下载文件

下面对这 4 种方法进行了说明。

通过互联网

要通过 Internet 升级，请按照下面的步骤操作：

1. 选择**通过互联网**，然后按**确认**按钮。消息“链接至服务器”将会出现。
2. 如果有可用的下载，“下载”弹出式窗口将会出现，显示进度条并开始下载。
3. 下载完成后，“升级查询”窗口将会出现，显示以下 3 种选择：立即升级、稍后升级或不升级。
4. 如果选择“立即升级”，播放器将会升级软件，关闭后自动打开。
5. 如果 1 分钟内不做选择或选择“稍后升级”，播放器将会保存新升级软件。您可以使用通过下载功能在以后升级软件。
6. 如果选择“不升级”，播放器将会取消升级。

注

- 使用通过 Internet 功能时，播放器必须连接到 Internet。
- 播放器关闭，然后自动打开后，即完成升级。
- 在更新期间，切勿手动关闭或打开播放器。
- 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播放器功能异常，Samsung Electronics 不承担任何法律责任。
- 如果您想在升级软件的下载过程中取消升级，按**确认**按钮。

从 USB 升级

要通过 USB 升级，请按照下面的步骤操作：

1. 访问 www.samsung.com/bluraysupport
2. 将最新 USB 软件升级 Zip 存档下载到计算机中。
3. 将 Zip 存档解压到计算机中。生成一个与 Zip 文件名称相同的文件夹。
4. 将文件夹复制到 USB 闪存设备。
5. 确保本产品中没有插入光盘，然后将 USB 闪存设备插入到播放器的 USB 端口中。
6. 在播放器菜单中，转到设置 > 支持 > 软件升级。
7. 选择**从 USB 升级**。

注

- 使用 USB Host 插孔升级软件时，本产品中没有插入光盘。
- 软件升级完成后，可在 软件升级菜单中查看软件详细信息。
- 在软件升级期间，不要关闭播放器。可能会导致播放器出现故障。
- 使用 USB Host 插孔执行软件升级时只能使用 USB 闪存棒进行。

通过光盘

要通过光盘升级，请按照下面的步骤操作：

1. 访问 www.samsung.com/bluraysupport。
2. 将最新光盘软件升级 Zip 存档下载到计算机中。
3. 将 Zip 存档解压到计算机中。生成一个与 Zip 文件名称相同的文件夹。
4. 将文件夹写到光盘上，我们推荐使用 CD-R 或 DVD-R。

5. 从计算机取下前将光盘最终化。
6. 将光盘插入播放器。
7. 在播放器菜单中，转到设置 > 支持 > 软件升级。
8. 选择**通过光盘**。

注

- 系统升级完成后，可在 软件升级菜单中检查软件详细信息。
- 在软件升级期间，不要关闭播放器。可能会导致播放器出现故障。

通过下载文件

通过下载选项，可以使用播放器事先下载但您决定不立即安装的文件，或播放器以“待机模式”下载的文件进行升级（请参阅下方的“以待机模式下载”）。

要通过下载升级，请按照下面的步骤操作：

1. 如果升级软件已下载，您将在 通过下载文件 右面看到软件版本号。
2. 选择 通过下载，然后按**确认**按钮。
3. 播放器将显示消息，询问您是否要升级。选择**是**。播放器将开始升级。
4. 升级完成后，播放器将自动关闭，然后打开。

注

- 系统升级完成后，可在 软件升级菜单中检查软件详细信息。
- 在软件升级期间，不要关闭播放器。可能会导致播放器出现故障。

在待机模式下下载

您可以设置 待机模式下载功能，以便播放器在“待机模式”下载新升级软件。在待机模式下，播放器关闭，但 Internet 连接处于活动状态。这样，在不使用播放器时，播放器可以自动下载升级软件。

设置

要设置 以待机模式下载，请按照下面的步骤操作：

1. 按 ▲▼ 按钮选择**在待机模式下下载**，然后按**确认**按钮。
2. 选择**开或关**。
 - **关**：如果选择**关**，出现可用的新升级软件时，播放器将会通过弹出式消息进行提醒。
 - **开**：如果选择**开**，播放器关闭且处于待机模式时，播放器将自动下载新升级软件。如果播放器下载新升级软件，您打开播放器时，播放器将询问您是否安装。

注

- 要使用 以待机模式下载功能，播放器必须连接到 Internet。

联系 Samsung

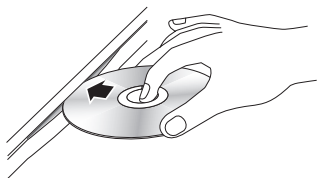
提供联系信息以协助您使用播放器。

基本功能

播放视频

播放

1. 将光盘推入 Blu-ray 光盘播放机中，光盘的标签朝上。



2. 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。 • 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。

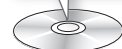
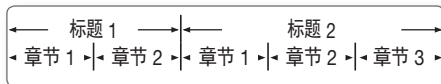
注

- 对于一些光盘，按**停止** (■) 按钮一次可能不会记住恢复位置。
- 具有 20Mbps 或更高位速率的视频文件会影响播放器功能，可能会在播放过程中停止播放。

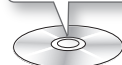
光盘结构

光盘的内容通常划分如下。

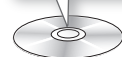
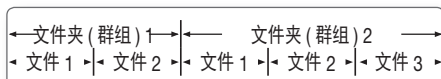
• Blu-ray 光盘，DVD-VIDEO



• 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 ▲▼◀▶ 按钮进行选择，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。

基本功能

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 **▲▼◀▶** 按钮做出所需选择，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。

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** (**◀▶**) 按钮时，播放速度将发生如下改变：

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

- 要恢复正常播放速度，请按**播放** (**▶**) 按钮。

注

- 播放器在搜索模式下不会输出声音。

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。

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 5 秒钟之内设置点 (B)，则会出现禁止消息。
- 根据光盘的不同，菜单项可能会不相同，或者此菜单不可用。

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** (**►►**) 按钮时，播放速度将发生如下变化：
►► 1/8 ►► 1/4 ►► 1/2
- 要恢复正常播放速度，请按**播放** (**►**) 按钮。

注

- 播放器在慢动作播放模式下不会输出声音。

逐个动作播放



- 在暂停模式中，按**暂停** (**||**) 按钮。
每次按**暂停** (**||**) 按钮时，将显示新的一帧。
- 要恢复正常播放速度，请按**播放** (**►**) 按钮。

注

- 播放器在逐个动作播放模式下不会输出声音。

基本功能

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 **标题搜索**、**章节搜索**或**时间搜索**。
3. 按 **◀▶** 或数字按钮选择所需标题、章节或时间，然后按**确认**按钮。

变为全屏

1. 在播放期间，按**工具**按钮。
2. 按 **▲▼** 按钮，选择**全屏**。
3. 按 **◀▶** 按钮选择所需模式。

注

- 电视屏幕高宽比为 16:9 全屏时，此功能可用。
(请参阅第 30 页)

选择图像设置



播放器与电视连接时，使用此功能可调节视频质量。

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。
 - **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。
 - **电影**：这是最适合看电影的设置。
 - **用户**：可以分别调整锐度和降噪功能。

注

- 使用 BD Wise 功能时，此菜单不会出现。

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，则还会显示有关主要特征 /BONUSVIEW 模式的信息。按 ◀▶ 按钮在主要特征和 BONUSVIEW 音频模式之间切换。
- 音频语言功能的可用语言取决于光盘中的编码语言。此功能或特定语言可能不可用。
- 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，将出现音频栏。按 **返回** 按钮，将除去音频栏。

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。

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。
- 此功能取决于光盘上已编码哪些字幕，可能并非适用于所有 Blu-ray 光盘 /DVD。
- 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，则还会显示有关主要特征 /BONUSVIEW 模式的信息。

- 此功能会同时更改首选和第二字幕。
- 首选字幕和第二字幕的总数会分别显示。
- 如果按遥控器上的 **字幕** 按钮，将出现字幕栏。按 **返回** 按钮，将除去字幕栏。

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。

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它内容（例如评论）。仅当光盘具有 Bonusview 功能时，此功能才可用。

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

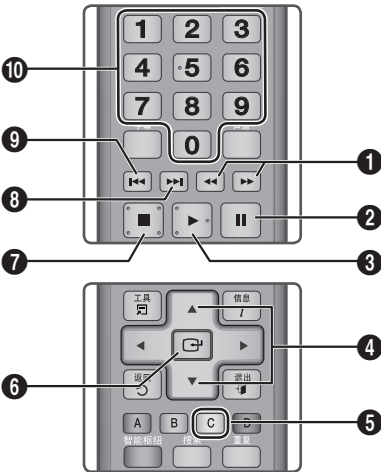
- 如果从 BONUSVIEW 视频切换，BONUSVIEW 音频将会根据 BONUSVIEW 视频自动更改。

基本功能

聆听音乐



遥控器上用于音乐播放的按钮



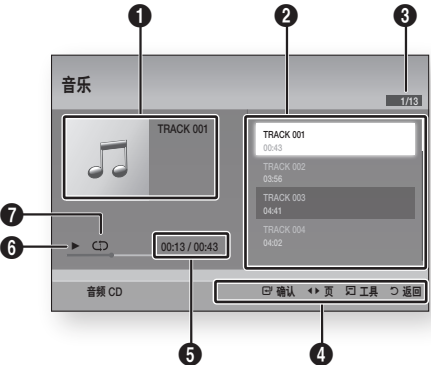
1	搜索按钮：快速播放。 (仅限音频 CD (CD-DA))
2	暂停按钮：暂停播放。
3	播放按钮：播放当前选择的曲目。
4	▲▼ 按钮：选择 音乐列表或播放列表中的曲目。
5	黄色 (C) 按钮：显示音乐列表中的复选框。
6	确认按钮：播放选择的曲目。
7	停止按钮：停止曲目。

8	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。
9	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 播放列表开始播放的 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 播放列表开始播放的 3 秒钟内按此按钮，则会播放上一个曲目。
10	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

- 插入音频 CD (CD-DA) 或 MP3 光盘。
 - 对于音频 CD (CD-DA)，第一个音轨会自动播放。
 - 对于 MP3 光盘，按 ▲▼ 按钮选择音乐，然后按确认按钮。

音频 CD (CD-DA)/MP3 屏幕元素



1	显示音乐信息。
2	显示播放列表。

3. 显示当前曲目 / 总曲目数。

4. 显示可用按钮。

5. 显示当前播放时间 / 总播放时间。

6. 显示当前播放状态。

7. 显示重复的播放状态。

2. 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**工具**按钮。
- 按 ▲▼ 按钮选择**重复模式**，然后按 ◀▶ 按钮选择所需重复模式。
- 按 ▲▼ 按钮选择**随机播放模式**，然后按 ◀▶ 按钮选择**开或关**。
- 按**确认**按钮。



关	歌曲将按其录制顺序播放。
(C) 单曲循环	将重复播放当前曲目。
(C) 全部	重复播放所有曲目。
(C) 随机播放模式	选择随机将根据随机顺序播放曲目。要使用此功能，请将 随机播放模式设置为开。

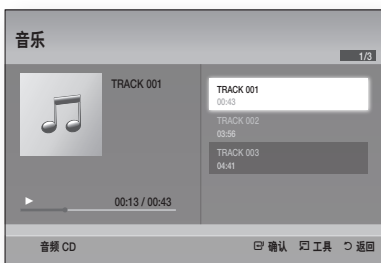
播放列表

- 插入音频 CD (CD-DA) 或 MP3 光盘。
 - 对于音频 CD (CD-DA)，第一个音轨会自动播放。
 - 对于 MP3 光盘，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。此时出现音乐列表屏幕。
- 按**黄色 (C)** 按钮。
- 按 ▲▼◀▶ 按钮移至所需曲目，然后按**确认**按钮。此时曲目上会出现一个选中标记。重复此步骤以选择其它曲目。



- 要从列表中移除曲目，移动至曲目，然后再次按**确认**按钮。曲目上的选中标记将被取消。
- 完成后，按**工具**按钮。
- 按 ▲▼ 按钮选择**播放所选项**，然后按**确认**按钮。选中的曲目将自动播放。



- 要转至音乐列表，请按**返回**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。

基本功能

播放图像



播放 JPEG 文件

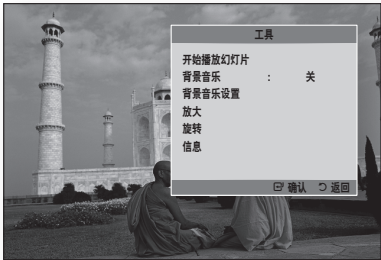
1. 将入 JPEG 光盘插入。
2. 按 ▲▼ 按钮选择**照片**，然后按**确认**按钮。
3. 按 ▲▼◀▶ 按钮选择要播放的文件夹，然后按**确认**按钮。
4. 按 ▲▼◀▶ 按钮选择要播放的照片，然后按**确认**按钮。

注

- 在全屏幕模式中，不能放大字幕和 PG 图片。

使用工具按钮

可通过按**工具**按钮来使用各种功能。



- **开始播放幻灯片**：选择此项开始幻灯片播放。
- **背景音乐**：选择此项可在看图片的同时收听音乐。
- **背景音乐设置**：选择此项可进行背景音乐设置。

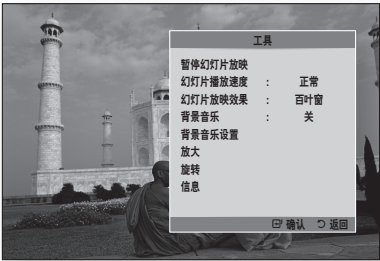
- **放大**：选择此项以放大图片。（最多放大 4 倍）
- **旋转**：选择此项以旋转图片。（这会使图片顺时针或逆时针旋转。）
- **信息**：显示图片信息，包括名称和大小等等。

注

- 要启用背景音乐功能，照片文件必须同音乐文件存储在单一媒介中。但是，声音质量可能会受到 MP3 文件位速率、照片大小和编码方法的影响。

使用幻灯片播放功能

1. 按**工具**按钮。
2. 按 ▲▼ 按钮选择**开始播放幻灯片**，然后按**确认**按钮。
此时幻灯片播放开始。
3. 要暂停幻灯片播放，请再次按**工具**按钮。

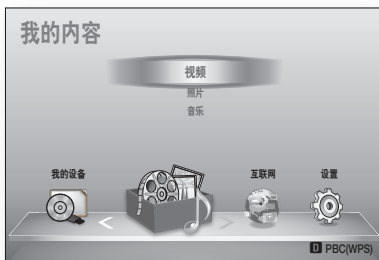


4. 按 ▲▼ 按钮选择**暂停幻灯片播放**，然后按**确认**按钮。
5. 使用相同方法，还可设置幻灯片播放的速度和效果。

使用 USB 存储设备播放

可以使用 USB 连接来播放位于 USB 存储设备上的多媒体文件（MP3、JPEG、DivX 等等）。

1. 移至主菜单。



2. 在停止模式中，将 USB 存储设备连接至播放器前面板上的 USB 端口。



3. 按**确认**按钮。

4. 按 **▲▼◀▶** 按钮选择所需的视频、音乐或照片，然后按**确认**按钮。

5. 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），以避免对 USB 存储器可能造成的损坏。按**菜单**按钮，移动至主菜单，选择**黄色 (C)** 按钮，然后按**确认**按钮。
- 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

通过将播放器连接至网络，您可以享受 Smart Hub 或 BD-LIVE 等网络服务。

在使用任何网络服务之前，请阅读以下说明。

1. 将播放器连接至网络。
(请参阅第 25~26 页)
2. 配置网络设置。
(请参阅第 36~40 页)

使用 Smart Hub

使用 Smart Hub，您可以从 Internet 流式传输电影、视频和音乐，访问各种付费或免费的应用程序，然后在电视上观看。应用程序内容包括新闻、体育、天气预报、股市行情、地图、图片和游戏。

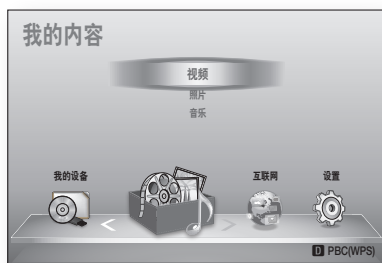
还可以按遥控器上的 **智能枢纽** 按钮操作此功能。



首次启用 Smart Hub

首次启用 Smart Hub 时，请按照下面的步骤操作：

1. 转到主菜单。



2. 按 ◀▶ 按钮选择 **互联网**，然后按 **确认** 按钮。

3. Smart Hub 屏幕将会出现。
有些情况下，随即会出现“国家 / 地区”屏幕。

4. 如果出现“国家 / 地区”屏幕，按 ▲▼ 按钮选择您所在国家 / 地区，然后按 **确认** 按钮。

注

- 某些应用程序只有某些国家 / 地区可以使用。

5. “服务协议条款”屏幕将会出现。
如果同意，按 ◀▶ 按钮选择 **同意**，然后按 **确认** 按钮。

注

- 屏幕出现需要几秒钟。

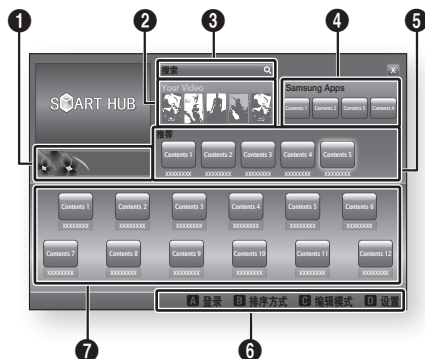
6. “服务更新”屏幕将会出现，安装一系列服务和应用程序。完成后即会关闭。下载的应用程序和服务将会显示在 Smart Hub 屏幕上。
此过程可能需要一些时间。

注

- 安装过程中 Smart Hub 可以暂时关闭。
- 安装完成后可能会出现许多屏幕。按 **确认** 按钮关闭，或屏幕自动关闭。

7. 要启动应用程序，按 ▲▼◀▶ 按钮突出显示小组件，然后按 **确认** 按钮。

Smart Hub 总览



- 1 **宣传**：显示 Smart Hub 指南、播放器简介和新应用程序介绍。
- 2 **Your Video**：根据您的喜好推荐视频。
 - 根据先前首选项推荐视频。
 - 选择电影，显示该电影的 VOD（视频点播）供应商列表，然后选择供应商进行流式传输。（流式传输在某些地区可用。）
 - 要获取使用 Your Video 的说明，请访问 www.samsung.com。
- 3 **搜索**：集成搜索视频供应商和相连的 AllShare 设备。
 - 使用 Smart Hub 时也可使用（观看 Blu-ray 光盘除外）。
 - 为了方便使用，可使用遥控器上的 **搜索** 按钮。
 - 要获取使用搜索功能的说明，请访问 www.samsung.com。
- 4 **Samsung Apps**：可以下载各种付费或免费的应用程序服务。
- 5 **推荐**：显示 Samsung 管理的建议内容。

导航帮助：显示用于导航 Smart Hub 的遥控器按钮。

- 红色 (A)：登录 Smart Hub。
- 绿色 (B)：对应用程序进行排序。
- 黄色 (C)：对应用程序进行编辑。
- 蓝色 (D)：更改 Smart Hub 设置。

我的应用程序：显示个人资料库，可于其中添加、修改和删除应用程序。

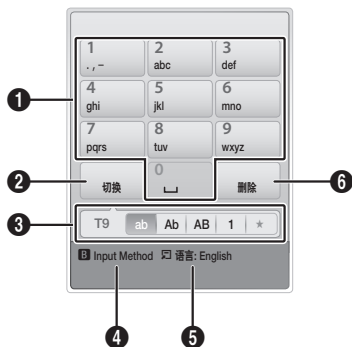
注

- 对于服务提供商由于任何原因导致的 Smart Hub 服务中断，Samsung Electronics 不承担任何法律责任。
- Smart Hub 服务通过 Internet 下载和处理数据，因此可以在电视屏幕上观看 Internet 内容。如果 Internet 连接不稳定，则服务可能会延迟或中断。而且，根据 Internet 的情况，播放器可能会自动关闭。如果出现这种情况，检查 Internet 连接后重新尝试。
- 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。
- 有关 Smart Hub 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 Smart Hub 服务供应商而定。
- Smart Hub 服务内容可能会因播放器固件版本而异。

网络服务

使用小键盘

通过遥控器，您可以使用屏幕小键盘来输入字母、数字和符号。



1	当前键盘。 用于输入字母、数字和符号。
2	按遥控器上的 字幕 按钮以轮换输入模式。 : ab、Ab、AB、数字或图标。
3	显示当前输入模式。
4	按遥控器上的 绿色 (B) 按钮以更改输入方法。 (T9 或 ABC)
5	按遥控器上的 工具 按钮以更改语言。
6	按遥控器上的 声道 按钮以删除字符。

输入文本、数字和符号

要输入文本，按遥控器上的所需字母相对应的数字按钮。快速按下按钮可以输入屏幕键盘按钮中第一个字母以外的字母。例如，如果想输入字母 b，则在遥控器上快速按两次按钮 2。要输入按钮上的第一个字母时，按下，松开，然后等待。

要在文本中移动，则使用箭头按钮。要删除文本，将光标移动到需要删除的字符右侧，然后按 **声道** 按钮。要更改大小写或输入数字或标点符号，则按 **字幕** 按钮。

创建帐户

要建立自己独有的 Smart Hub 配置，可创建自己的“智能电视帐户”。

要创建帐户，请按照下面的步骤操作：

1. 按遥控器上的 **红色 (A)** 按钮。“创建帐户”屏幕将会出现。



2. 按 **▲▼◀▶** 按钮选择 **创建帐户**，然后按 **确认** 按钮。
3. 在下一个屏幕上选择 **Smart TV ID**，然后按 **确认** 按钮。
输入屏幕和键盘将会出现。
4. 使用键盘输入电子邮件地址。此电子邮件将作为您的 ID。

注

- 键盘的操作与手机键盘的操作相同。

5. 完成之后，按 **确认** 按钮选择 **OK**，然后再按 **确认** 按钮。“创建帐户”屏幕将会重新出现。
6. 选择 **密码**，然后按 **确认** 按钮。输入屏幕和键盘将会出现。
7. 使用键盘输入密码。
密码可以是字母、数字和符号的组合。

注

- 按遥控器上的 **红色 (A)** 按钮在输入时显示或隐藏密码。

8. 完成之后, 按**确认**按钮选择 **OK**, 然后再按**确认**按钮。“创建帐户”屏幕将会重新出现。
9. 选择**确认**密码, 然后按**确认**按钮。
10. 重复步骤 7 至 8。
11. “创建帐户”屏幕重新出现后, 选择 **创建帐户**, 然后按**确认**按钮。“确认”窗口将会显示。
12. 选择 **OK**, 然后按**确认**按钮。”继续注册服务“窗口将会出现。
13. 选择**注册**, 然后按**确认**按钮。
14. “注册服务帐户”窗口将会出现。
 - 如果您有任一供应商的现有帐户, 可以将供应商帐户和供应商帐户密码与您的智能电视帐户相关联。注册后更容易访问供应商网站。有关注册的说明, 请转至“设置菜单”下“帐户管理”的步骤 2。
 - 如果没有现有供应商帐户, 或这次不想注册现有帐户, 则选择 **OK**, 然后按**确认**按钮。还可以让窗口在 1 分钟后自动关闭。

注

- 必须使用电子邮件地址作为 ID。
- 最多可以注册 10 个用户帐户。
- 使用 Smart Hub 不需要帐户。

帐户登录

要登录“智能电视帐户”, 请按照下面的步骤操作:

1. Smart Hub 主屏幕显示到电视上以后, 按遥控器上的**红色 (A)** 按钮。“创建帐户”屏幕将会出现。
2. 选择**向下箭头** (位于 Smart TV ID 字段旁边), 然后按**确认**按钮。

3. 从列表中选择您的 ID, 然后按**确认**按钮。“创建帐户”屏幕将会重新出现。
4. 选择**密码**, 然后按**确认**按钮。输入屏幕和键盘将会出现。
5. 使用键盘和遥控器输入密码。完成之后, 按**确认**按钮选择 **OK**, 然后再按**确认**按钮。

注

- 如果想让 Smart Hub 自动输入密码, 输入密码后选择“记住我的智能电视 ID 和密码”, 然后按**确认**按钮。此时会出现一个选中标记。现在, 选择或输入 ID 后 Smart Hub 将自动输入密码。

设置菜单 - 蓝色 (D)

通过“设置菜单屏幕”可以访问帐户管理、重置和属性功能。

要访问“设置菜单”和选择菜单项, 请按照下面的步骤操作:

1. 按遥控器上的**蓝色 (D)** 按钮。
 2. 按 **▲▼** 按钮选择菜单项, 然后按**确认**按钮。
- “设置菜单”屏幕上的功能如下。

注

- “设置菜单”上的“服务管理器”不用于光盘播放器。

帐户管理

“帐户管理菜单”包含各种功能, 可以注册服务供应商帐户, 更改 Smart Hub 密码, 还可以删除或撤销“智能电视帐户”。

网络服务

注册服务帐户

如果您有任一供应商的现有帐户，通过“注册服务帐户”，可以将供应商帐户和供应商帐户密码与您的“智能电视帐户”相关联。如果将账户相关联，可以轻松通过 Smart Hub 登录帐户，不需要输入账户名称或密码。

要使用“注册服务帐户”功能，请按照下面的步骤操作：

1. 在“帐户管理菜单”中选择“注册服务帐户”，然后按**确认**按钮。“注册服务帐户”窗口将会出现。
2. 按 **▲▼** 按钮选择想关联“智能电视帐户”的服务供应商，然后按**确认**按钮。

注

- 如果有 Samsung 应用程序帐户，并且您想在 Smart Hub 中使用 Samsung Apps 功能，必须注册 Samsung Apps 帐户。请参阅第 61-63 页获取更多信息。
3. 按 **▲▼** 按钮选择“注册”，然后使用遥控器和屏幕键盘输入“站点 ID”和密码。完成后，按**确认**按钮。

注

- “站点 ID”和密码为通常用于访问此站点帐户的 ID 和密码。
4. 如果正确输入 ID 和密码，将会出现“注册成功”的消息。
 5. 如果按 **OK**，则重复步骤 2 到 4 关联其它“服务供应商”。
 6. 完成后，按**返回**按钮。

更改密码

“更改密码”功能可以更改 Smart Hub 密码。要更改密码，请按照下面的步骤操作：

1. 选择**更改密码**，然后按**确认**按钮。
2. 输入当前密码。下一个屏幕将会显示。
3. 在下一个屏幕的第一行输入新密码。在第二行再输一次进行确认。
4. “更改密码完成”消息屏幕将会出现。按**确认**按钮或等屏幕关闭（约 5 秒）。

从电视帐户列表中删除

“删除服务帐户”功能可以取消“注册服务帐户”屏幕上所有当前已注册“服务帐户”。

停用帐户

“撤销帐户”功能可以撤销“智能电视帐户”，从 Smart Hub 完全删除帐户及其所有帐户设置。

复位

“重置”功能可以初始化所有下载的小组件，从播放器删除所有用户账户和设置，并将所有 Smart Hub 设置重置为出厂默认设置。然后像第一次启动那样启动 Smart Hub。但是帐户会保留在 Smart Hub 服务器上。要登录帐户，在“创建帐户”屏幕上输入 ID 和密码。

要使用“重置”功能，请按照下面的步骤操作：

1. 在“设置”菜单中选择“重置”，然后按**确认**按钮。
“重置”屏幕将会出现。
2. 输入“安全”密码。“安全”密码为设置 BD 或 DVD 家长分级时输入的密码（请参阅第 41 页）。如果没有设置，则输入 0000。

- 一段时间后，Smart Hub 将自动重置。屏幕可能变黑，突然后重新出现 Smart Hub。一段时间后，将开始重新初始化过程。
- 要完成重新初始化，请转至“首次启用 Smart Hub”中的步骤 4。（请参阅第 54 页）

注

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

属性

“属性”菜单项列出 3 种功能，显示有关 Smart Hub 的信息：

详细信息

列出 Smart Hub 有关的信息，包括版本号、已安装的服务数、内存使用情况和唯一的产品 ID。

检查互联网连接的速度

运行测试，显示 Samsung 服务器连接的速度，以 Mbps（每秒百万位元）为单位。
速度低于 1.5 Mbps 就会限制您使用 Smart Hub。

服务协议条款

显示“服务协议条款”。

编辑模式菜单 - 黄色 (C)

“编辑模式”菜单上的功能可以操作 Smart Hub 屏幕上“我的应用程序”部分中的小组件。使用这些功能，您可以锁定或解锁部分小组件，新建文件夹并向其中移动小组件，重命名文件夹，以及更改小组件在屏幕上的位置。

要访问“编辑模式菜单”和选择菜单项，请按照下面的步骤操作：

- 按遥控器上的**黄色 (C)** 按钮。屏幕底部将会出现“编辑模式”菜单栏。

- 按 **▲▼◀▶** 限制菜单项，然后按**确认**按钮。“编辑模式”菜单栏的功能如下。

注

- 屏幕上可能不显示部分菜单项。要查看这些菜单项，按 **◀▶** 移动到屏幕边缘，然后再按一次可以展开这些菜单项。
- 通过突出显示右下方的 X，然后按**确认**按钮，可以关闭菜单栏。

移动

移动功能可以更改小组件在屏幕上的位置。要使用移动功能，请按照下面的步骤操作：

- 按遥控器上的**黄色 (C)** 按钮。
- 选择某个小组件，然后按**确认**按钮。此时小组件上会出现一个选中标记。
- 按 **▲▼◀▶** 选择**移动**，然后按**确认**按钮。此时小组件上会出现位置更改图标。
- 按 **▲▼◀▶** 移动图标。图标移到您所选的位置后，按**确认**按钮。小组件将移动到新的位置。

重命名文件夹

“重命名文件夹”功能可以对文件夹重命名。要使用“重命名文件夹”功能，请按照下面的步骤操作：

- 按遥控器上的**黄色 (C)** 按钮。
- 按 **▲▼◀▶** 选择文件夹，然后按**确认**按钮。
- 按 **▲▼◀▶** 选择“重命名文件夹”，然后按**确认**按钮。“文件夹重命名”窗口和键盘将会出现。
- 使用键盘输入新名称，然后按**确认**按钮。“重命名”窗口关闭，新名称出现在文件夹下。

网络服务

移至文件夹

“移至文件夹”功能可以将小组件移至文件夹。要使用“移至文件夹”功能,请按照下面的步骤操作:

1. 按遥控器上的**黄色 (C)** 按钮。
2. 选择某个小组件,然后**确认**按钮。如果已经创建了文件夹,就可移动小组件。
3. 按 **▲▼◀▶** 选择“移至文件夹”,然后按**确认**按钮。此时将打开“移至文件夹”窗口。
4. 按 **▲▼◀▶** 选择文件夹,然后按**确认**按钮。此时将出现“移至文件夹”消息,然后关闭。小组件已移至文件夹。

访问文件夹中的小组件

1. 关闭“编辑模式”菜单。
2. 在“我的应用程序”中,按 **▲▼◀▶** 选择文件夹,然后按**确认**按钮。打开文件夹。
3. 选择某个小组件,然后按**确认**按钮。小组件的应用程序或服务将会启动。

编辑文件夹中的各项

选择某个文件夹,然后按**确认**按钮。打开文件夹。按遥控器上的**黄色 (C)** 按钮。屏幕底部出现“编辑”按钮。

这些按钮的操作方法与主屏幕上的“编辑模式”菜单按钮相同。例如,要将小组件移回“我的应用程序”主屏幕:

1. 选择小组件。
2. 选择“移至文件夹”,然后按**确认**按钮。此时将出现“移至文件夹”窗口。
3. 现在“我的应用程序”,然后按**确认**按钮。“移至文件夹”窗口关闭,小组件移回“我的应用程序”主屏幕。

新建文件夹

“新建文件夹”功能可以创建和命名新文件夹。创建文件夹后,即可向其中移动小组件。要使用“新建文件夹”功能,请按照下面的步骤操作:

1. 按遥控器上的**黄色 (C)** 按钮。
2. 按 **▲▼◀▶** 将光标移至“新建文件夹”,然后按**确认**按钮。“新建文件夹”窗口和键盘将会出现。
3. 使用键盘输入文件夹名称,然后按**确认**按钮。“新建文件夹”屏幕关闭,在 Smart Hub 屏幕上出现“新建文件夹”。

锁定

“锁定”功能可以锁定“我的应用程序”中的部分小组件,如果不输入“家长安全代码”就无法打开。要使用“锁定”功能,请按照下面的步骤操作:

1. 按遥控器上的**黄色 (C)** 按钮。
2. 按 **▲▼◀▶** 选择某个小组件,然后按**确认**按钮。如果小组件可以锁定,表示已启用“锁定”菜单。
3. 按 **▲▼◀▶** 选择“锁定”,然后按**确认**按钮。“锁定服务”窗口将会出现。
4. 输入“家长安全代码”(请参阅第 41 页)。如果未设置“家长安全代码”,则输入 0000。
5. 按**确认**按钮。“锁定服务”窗口将会出现,确认是否锁定,然后关闭。小组件旁边将出现锁定符号。

解锁

1. 按遥控器上的**黄色 (C)** 按钮。
2. 按 **▲▼◀▶** 选择已锁定的小组件，然后按**确认**按钮。
3. 按 **▲▼◀▶** 选择“解锁”，然后按**确认**按钮。“锁定服务”窗口将会出现。
4. 输入“家长安全代码”（请参阅第 41 页）。如果未设置“家长安全代码”，则输入 0000。
5. 按**确认**按钮。“锁定服务解除”窗口将会出现，确认锁定解除，然后关闭。

删除

“删除”功能可以从“我的应用程序”删除小组件。要使用“删除”功能，请按照下面的步骤操作：

1. 按遥控器上的**黄色 (C)** 按钮。
2. 按 **▲▼◀▶** 选择小组件，然后按**确认**按钮。
3. 按 **▲▼◀▶** 选择“删除”，然后按**确认**按钮。此时将出现消息“是否要删除所选项目？”。
4. 选择**是**，然后按**确认**按钮。小组件即被删除。

排序菜单 - 绿色 (B)

“排序菜单”中的功能可以按名称、日期、频率（使用）和类别对“我的应用程序”中的小组件进行排序。如果手动更改小组件的位置，启动时“排序菜单”将自动突出显示“用户定义的”。

要对“我的应用程序”中的小组件进行排序，请按照下面的步骤操作：

1. 按遥控器上的**绿色 (B)** 按钮。
2. 按 **◀▶** 选择一种排序方法，然后按**确认**按钮。Smart Hub 根据您所选的方法对小组件进行排序。

Samsung Apps

Samsung Apps 可以为 Blu-ray 光盘播放器下载付费或免费的应用程序和服务，然后在电视上观看或使用。

这些应用程序包括视频、图片、游戏、新闻、体育等。新应用程序小组件将出现在“我的应用程序”中。其它应用程序和服务将会定期添加。

付费应用程序

要下载付费应用程序，您需要创建 Samsung Apps 帐户，并在帐户中添加信用卡。

要创建 Samsung Apps 帐户，请访问 www.samsung.com。

 **注**

- 某些国家 / 地区可能不提供此服务。

访问 Samsung Apps 屏幕

要访问 Samsung Apps，按 **▲▼◀▶** 按钮导航至 Smart Hub 主屏幕的 Samsung Apps 区域，然后按**确认**按钮。Samsung Apps 屏幕将会出现。

 **注**

- 如果是第一次访问此屏幕，将会出现“服务条款”屏幕。如果同意，选择 **同意**，然后按**确认**按钮。

网络服务

使用 Samsung Apps 屏幕

要使用 Samsung Apps 屏幕，请按照下面的步骤操作：

1. 按 ◀▶ 按钮移至左面的类别列表。
2. 按 ▲▼ 突出显示某种类别。几秒后 Samsung Apps 屏幕将会显示该类别的应用程序。顶部将出现“排序”选项卡。
3. 按 ▶ 按钮移至显示的应用程序或服务。
4. 按 ▲▼◀▶ 按钮选择应用程序或服务，然后按**确认**按钮。“应用程序详细信息”屏幕将会出现，介绍服务或应用程序。
5. 选择“立即下载”，然后按**确认**按钮。如果应用程序或服务是免费的，将会下载并运行。如果不是，则需要付费，可按照屏幕指示完成下载。

注

- 某些应用程序可免费下载，但需要使用应用程序提供商的注册帐号或收费帐号。
- 从 Samsung Apps 下载的应用程序和服务小组件会显示在 我的应用程序中。

排序选项卡

可以使用 ▲▼◀▶ 按钮来访问屏幕顶部的排序选项卡。每个选项卡会根据您所选择的类别显示服务或应用程序，并按选项卡中的条件（推荐、下载次数最高、最新、名称）排序。

还可使用遥控器上的**蓝色 (D)** 按钮访问 排序选项卡。每次按**蓝色 (D)** 按钮，显示方式将从一个排序选项卡切换至下一个。

Samsung 应用程序类别

有以下可用类别：

- **新增内容**：显示最新注册的应用程序。
- **视频**：显示各种视频媒体，如电影、电视节目和视频短片。
- **游戏机**：显示各种游戏，如“数独”和“国际象棋”。
- **体育**：显示各种体育媒体服务，如赛事信息、图片和视频短片。
- **生活方式**：包括各种生活媒体服务，如音乐、个人照片管理工具和社交网络（如 Facebook 和 Twitter）。
- **信息**：包括各种信息服务，如新闻、股票和天气预报。
- **其他**：包括其它各类服务。

我的帐户

借助 我的帐户，可以访问自己的 Samsung Apps 订单、下载历史及 我的应用程序现金屏幕。必须具有 Samsung Apps 帐户才能访问此类信息。

帮助

如果您对 Samsung Apps 存在疑问，请首先查看帮助。如果任何提示都不适用，请访问 www.samsung.com。

要使用 帮助功能，请按照下面的步骤操作：

1. 按 ▲▼◀▶ 按钮选择 帮助，然后按**确认**按钮。
2. 按 ▲▼ 滚动 帮助文字。
3. 按 ◀ 退出 帮助。

借助遥控器上的彩色按钮操作 Samsung Apps

- **红色 (A) (登录)**: 登录智能电视帐户:
- **绿色 (B) (缩略图视图 / 列表视图)**: 将应用程序在缩略图和列表视图间切换。
- **蓝色 (D) (排序方式)**: 按类别 (推荐、下载次数最高、最新或名称) 对应用程序进行排序。
- **返回**: 返回上一个菜单。

注

- 服务提供商可能会添加或删除互联网内容服务, 且不另行通知。

有关视频和搜索功能的使用说明, 请访问
www.samsung.com

BD-LIVE™

一旦将播放器连接至网络, 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. 将 USB 内存棒连接到播放器侧面的 USB 插孔, 然后检查剩余内存空间。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。

使用 AllShare 功能

借助 AllShare, 您可以在播放器上播放个人计算机、DLNA 兼容手机或 NAS 设备上的音乐、视频和照片文件。

要在播放器上使用 AllShare, 必须将播放器连接到网络 (请参阅第 25~26 页)。

要在计算机上使用 AllShare, 必须在计算机上安装 AllShare 软件。

如果您有 DLNA 兼容手机或 NAS, 那么无须其它软件即可使用 AllShare。

通过 Samsung.com 网站, 可以下载计算机软件并获取 AllShare 的详细使用说明。

附录

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。	• 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，这样来重置遥控器。重新安装电池并重试操作遥控器。
光盘不播放。	• 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。	• 请确保光盘有光盘菜单。
禁止消息出现在屏幕上。	• 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。	• 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。	• 屏幕比例在 Blu-ray 光盘 /DVD 上是固定的。 • 这并非播放器存在问题。
无音频。	• 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。	• 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。 • 在播放器内无光盘的情况下，按前面板上的停止 (■) 按钮 5 秒钟以上。所有设置将恢复为出厂默认设置。 • 恢复出厂默认设置时，将会删除所有存储的用户 BD 数据。

问题	解决方案
忘记密码。	- 在播放器内无光盘的情况下，按前面板上的停止 (■) 按钮 5 秒钟以上。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，将会删除所有存储的用户 BD 数据。
如果您遇到其它问题。	- 转至目录并查找包含有关当前问题说明的用户手册章节，并再次按照程序操作。 - 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。	- 请确保光盘不脏或没有刮花。 - 清洁光盘。
没有 HDMI 输出。	- 检查电视与播放器的 HDMI 插孔之间的连接。 - 检查电视是否支持 576p/480p、720p、1080i、1080p HDMI 输入分辨率。
HDMI 输出屏幕异常。	如果电视不支持 HDCP（高带宽数字内容保护），那么屏幕上将出现雪花信噪。
AllShare 功能	
可以看到 AllShare 共享文件夹，但看不到文件。	AllShare 仅显示图像、音乐和电影类别的文件。上述类别之外的文件可能不会显示。
视频播放时断时续。	- 检查网络是否稳定。 - 检查网络电缆连接是否正确，以及网络是否超载。 - 兼容设备与播放器之间的无线连接不稳定。请检查连接。
电视与计算机之间的 AllShare 连接不稳定。	- 同一个子网下的 IP 地址应该唯一。如果不是，IP 冲突会引发此种现象。 - 检查是否已启用防火墙。如果已启用，请禁用防火墙功能。

附录

问题	解决方案
BD-LIVE	
我无法连接至 BD-LIVE 服务器。	• 使用网络状态菜单检查网络连接是否成功。(请参阅第 39 页) • 检查 USB 内存设备是否已连接到播放器。 • 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空间大小。(请参阅第 40 页) • 请检查 BD-LIVE Internet 连接菜单是否设置为允许 (全部)。 • 如果上述检查结束后问题仍然存在, 请与内容提供商联系或为播放器更新最新固件。
使用 BD-LIVE 服务时, 发生错误。	• 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空间大小。(请参阅第 40 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。

维修

如果联系我们对播放器进行维修, 在下列情况下可能需要支付管理费:

1. 请求工程师到您家中维修, 并且发生的问题并非产品缺陷。
2. 您将机组带至维修中心, 但不存在产品缺陷。

进行家庭现场维修或开始维修播放器前, 我们会声明管理费用数额。
我们建议您先全面阅读此手册, 在线访问 www.samsung.com 搜索解决方案, 或者联系 Samsung 客户中心, 然后再寻求对播放器进行维修。

规格

常规	重量	1.7 公斤
	尺寸	430 (宽) X 206 (厚) X 37 (高) (毫米)
	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: 9.834 米 / 秒
	DVD (数字多功能光盘)	读取速度: 6.98 ~ 7.68 米 / 秒 大约播放时间 (单面单层光盘): 135 分钟
	CD: 12 厘米 (压缩光盘)	读取速度: 4.8 ~ 5.6 米 / 秒 最大播放时间: 74 分钟
	CD: 8 厘米 (压缩光盘)	读取速度: 4.8 ~ 5.6 米 / 秒 最大播放时间: 20 分钟
视频输出	复合视频	单声道: 1.0 Vp-p (75Ω 负载) Blu-ray/DVD: 576i/480i
	分量视频	Y: 1.0 Vp-p (75Ω 负载) P _R : 0.70 Vp-p (75Ω 负载) P _B : 0.70 Vp-p (75Ω 负载) Blu-ray 光盘: 576i/480i DVD: 576p/480p、576i/480i
视频 / 音频	HDMI	2D: 1080p、1080i、720p、576p/480p 3D: 1080p、720p PCM 多声道音频、位流音频
音频输出	双声道	L(1/L)、R(2/R)
	数字音频输出	光纤
	* 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%
网络	以太网	10/100BASE-TX 端子
	无线 LAN	内置
	安全	WEP (开放式 / 共享式) WPA-PSK (TKIP/AES) WPA2-PSK (TKIP/AES)
	WPS(PBC)	支持

*: 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。

附录

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。
- 本播放器不能和 / 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 不能保证本播放器将可以播放带有 BD-ROM、BD-RE/-R、DVD-VIDEO、DVD-RW/-R、DVD+RW/+ R 和 CD-RW/-R 徽标的每张光盘，并且本播放器可能不会响应所有操作命令或操作每张光盘的所有功能。造成这些光盘及其它光盘与具有新格式或现有格式光盘的兼容性和播放器操作问题的可能原因有：
 - Blu-ray 是新的不断发展的格式，本播放器可能不能操作 Blu-ray 光盘的所有功能，因为一些功能可能是在生产本播放器之后才添加到 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；
 - 本播放器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使用特定或有限的操作和功能；
 - 一些功能可能是在本播放器生产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；
 - 本播放器的操作方式不同于标准 DVD 播放器或其它 AV 设备；和 / 或
 - 出于本用户手册中提到的原因和 SAMSUNG 客户服务中心发现和公布的其它原因。
- 如果您遇到光盘兼容性或播放器操作问题，请与 SAMSUNG 客户中心联系。
还可与 SAMSUNG 客户中心联系，以获取可能存在的有关本播放器的更新。
- 有关播放限制和光盘兼容性的其它信息，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，这类似于对 DVD 格式使用 CSS（内容加扰系统），受 AACs 保护的内容会存在播放、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，因为在生产本产品之后，AACs 可能会继承和 / 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+ 或本产品的其它信息，请与 SAMSUNG 客户中心联系。

- 许多 Blu-ray 光盘 /DVD 在编码时带复制保护。因此，只应将播放器直接连接到电视，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 产生图像失真。
- 本商品融合了受美国专利权和 Rovi Corporation 其它知识产权保护的复制保护技术。严禁进行逆向工程和反汇编。
- 在美国版权法和其它国家 / 地区的版权法保护下，未经授权录制、使用、显示、分发或修订电视节目、录像带、Blu-ray 光盘、DVD 和其它材料，您可能必须承担民事和 / 或刑事责任。
- **对于 Blu-ray 光盘播放器逐行扫描输出：**消费者应注意，并非所有高清电视都完全与本产品兼容，并且可能会导致在图像中显示杂讯。如果发生逐行扫描图像问题，建议用户将连接切换至“标准定义”输出。如果对我们电视机与本产品的兼容性存在疑问，请与我们的客户服务中心联系。

网络服务免责声明

通过此设备访问的所有内容和服务均属于第三方，并且受到版权、专利、商标和 / 或其它知识产权相关法律的保护。提供给您的这些内容和服务只能用于个人非商业用途。除内容所有者或服务提供商的授权方式之外，不得以其它方式使用任何内容或服务。未经内容所有者或服务提供商事先明确授权，不得修改、复制、重新发布、上载、公布、传送、翻译、销售、创造衍生作品、开发或以任何方式或媒体分发通过此设备显示的任何内容或服务。

第三方内容和服务均“按现状”提供。SAMSUNG 不对此处提供的内容或服务提供基于任何目的的明示或暗示的保证。SAMSUNG 明确拒绝提供任何暗示的保证，其中包括但不限于有关适销性或针对特定用途的适用性的保证。SAMSUNG 不保证可通过此设备获取的内容或服务的准确性、有效性、及时性、合法性或完整性；无论任何情况下（包括疏忽所致），无论是合同行为还是侵权行为，对于您或任何第三方使用任何内容或服务所导致的任何直接、间接、偶然、特殊或附带性损害，及律师费、开支或任何其它与此有关的损失和包含其中的信息损失，SAMSUNG 将不承担任何赔偿责任，即便 SAMSUNG 事先已被告知此种损害发生的可能性。

第三方服务可能随时中止或中断，Samsung 不表示或保证任何内容或服务的可用期限。对于第三方通过网络方式和传输设备传送的内容和服务，Samsung 无法控制。在不影响本免责声明一般性的前提下，对于从此设备获取内容或服务的中断或中止，Samsung 明确拒绝承担任何责任。

Samsung 也不对此类内容和服务有关的客户服务承担责任。任何与此内容或服务相关的服务请求都应直接转至相应的内容和服务提供商。

附录

许可证

- 根据 Dolby Laboratories 许可制造。Dolby 和双 D 符号是 Dolby Laboratories 的商标。



- 根据以下美国专利权号制造：5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 和在美国以及全球已经公布和正在申请的其他专利权。DTS 和符号是 DTS, Inc. 的注册商标，DTS-HD、DTS-HD Master Audio 和 DTS 徽标是 DTS, Inc. 的商标。产品包括软件。© DTS, Inc. 版权所有。



- DivX

- 关于 DivX 视频：DivX® 是由 DivX, Inc. 建立的一种数字视频格式。此设备是通过 DivX Certified® 官方认证的 DivX 视频播放设备。请访问 www.divx.com，以取得有关将文件转换为 DivX 视频的更多信息和软件工具。
- 关于 DivX 视频点播：此 DivX Certified® 认证设备必须经过注册才能播放 DivX 视频点播 (VOD) 电影。要获取注册码，请定位到设备设置菜单中的 DivX VOD 部分。请访问 vod.divx.com，以获取有关完成注册的更多信息。
- 取得 DivX Certified® 认证以播放高达 HD 1080p 的 DivX® 视频，其中包括收费内容。
- DivX®、DivX Certified® 和相关徽标是 DivX, Inc. 的商标且只能授权使用。
- 受以下某项或多项美国专利保护：7,295,673; 7,460,668; 7,515,710; 7,519,274。



- HDMI、HDMI 徽标和 High-Definition Multimedia Interface 是 HDMI Licensing LLC 在美国和 / 或其它国家或地区的商标或注册商标。



- Oracle 和 Java 是 Oracle 和 / 或其附属公司的注册商标。其它名称可能是其各自所有者的商标



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- 开源许可证声明
 - 在使用开源软件的情况下，可在产品菜单中找到开源许可证。
- Blu-ray Disc™、Blu-ray™ 和相关徽标是 Blu-ray Disc Association 的商标。
- 本商品融合了受美国专利权和 Rovi Corporation 其它知识产权保护的复制保护技术。严禁进行逆向工程和反汇编。

SAMSUNG 全球联系方法

如果您对 Samsung 产品有任何问题或意见，请与 SAMSUNG 客户中心联系。

Area	Contact Centre ☎	Web Site
■ North America		
Canada	1-800-SAMSUNG (726-7864)	www.samsung.com
Mexico	01-800-SAMSUNG (726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com
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Argentina	0800-333-3733	www.samsung.com
Brazil	0800-124-421 / 4004-0000	www.samsung.com
Chile	800-SAMSUNG (726-7864)	www.samsung.com
Colombia	01-8000112112	www.samsung.com
Costa Rica	0-800-507-7267	www.samsung.com
Dominica	1-800-751-2676	www.samsung.com
Ecuador	1-800-10-7267	www.samsung.com
El Salvador	800-6225	www.samsung.com
Guatemala	1-800-299-0013	www.samsung.com
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Jamaica	1-800-234-7267	www.samsung.com
Nicaragua	00-1800-5077267	www.samsung.com
Panama	800-7267	www.samsung.com
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Venezuela	0-800-100-5303	www.samsung.com
■ Europe		
Albania	42 27 5755	-
Austria	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
Belgium	02-201-24-18	www.samsung.com/ be (Dutch) www.samsung.com/ be_fr (French)
Bosnia	05 133 1999	-
Bulgaria	07001 33 11	www.samsung.com
Croatia	062 SAMSUNG (062 726 7864)	www.samsung.com
Czech	800-SAMSUNG (800-726786) Samsung Zrt, česká organizační složka, Oásis Florenc, Soko- lovská394/17, 180 00, Praha 8	www.samsung.com
Denmark	70 70 19 70	www.samsung.com
Finland	030 - 6227 515	www.samsung.com
France	01 48 63 00 00	www.samsung.com
Germany	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.com
Hungary	06-80-SAMSUNG (726-7864)	www.samsung.com
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Kosovo	+381 0113216899	-
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Macedonia	023 207 777	-
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Netherlands	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
Norway	815-56 480	www.samsung.com
Poland	0 801 1SAMSUNG (172678) / 022-607-93-33	www.samsung.com
Portugal	80820-SAMSUNG (726-7864)	www.samsung.com
Rumania	1. 08010 SAMSUNG (72678) - doar din rețeaua Romtelecom, tarif local 2. 021.206.01.10 - din orice rețea, tarif normal	www.samsung.com

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Serbia	0700 Samsung (0700 726 7864)	www.samsung.com
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Sweden	0771 726 7864 (SAMSUNG)	www.samsung.com
Switzerland	0848-SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ ch_fr(French)
U.K	0330 SAMSUNG (7267864)	www.samsung.com
Eire	0818 717100	www.samsung.com
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Georgia	8-800-555-555	-
Armenia	0-800-05-555	-
Azerbaijan	088-55-55-555	-
Kazakhstan	8-10-800-500-55-500 (GSM: 7799)	www.samsung.com
Uzbekistan	8-10-800-500-55-500	www.samsung.com
Kyrgyzstan	00-800-500-55-500	www.samsung.com
Tadjikistan	8-10-800-500-55-500	www.samsung.com
Ukraine	0-800-502-000	www.samsung.ua www.samsung.com/ ua_ru
Belarus	810-800-500-55-500	-
Moldova	00-800-500-55-500	-
■ Asia Pacific		
Australia	1300 362 603	www.samsung.com
New Zealand	0800 SAMSUNG (0800 726 786)	www.samsung.com
China	400-810-5858 / 010-6475 1880	www.samsung.com
Hong Kong	(852) 3698 4698	www.samsung.com/hk www.samsung.com/ hk_en/
India	3030 8282 / 1800 110011 / 1800 3000 8282 / 1800 266 8282	www.samsung.com
Indonesia	0800-112-8888 / 021-5699-7777	www.samsung.com
Japan	0120-327-527	www.samsung.com
Malaysia	1800-88-9999	www.samsung.com
Philippines	1-800-10-SAMSUNG(726-7864) / 1-800-3-SAMSUNG(726-7864) / 1-800-8-SAMSUNG(726-7864) / 02-5805777	www.samsung.com
Singapore	1800-SAMSUNG (726-7864)	www.samsung.com
Thailand	1800-29-3232 / 02-689-3232	www.samsung.com
Taiwan	0800-329-999	www.samsung.com
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Bahrain	8000-4726	www.samsung.com
Egypt	08000-726786	www.samsung.com
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U.A.E	800-SAMSUNG (726-7864)	www.samsung.com
■ Africa		
Nigeria	0800-SAMSUNG (726-7864)	www.samsung.com
South Africa	0860-SAMSUNG (726-7864)	www.samsung.com



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	O	O	O	O	O
金属部品	X	O	O	O	O	O
电缆	X	O	O	O	O	O
塑料部品	O	O	O	O	O	O
O : 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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