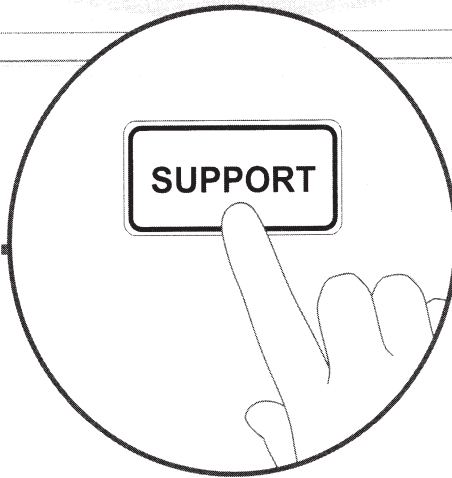
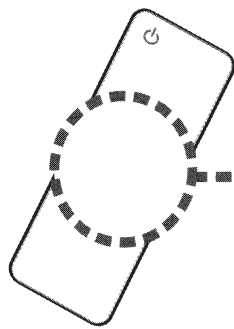
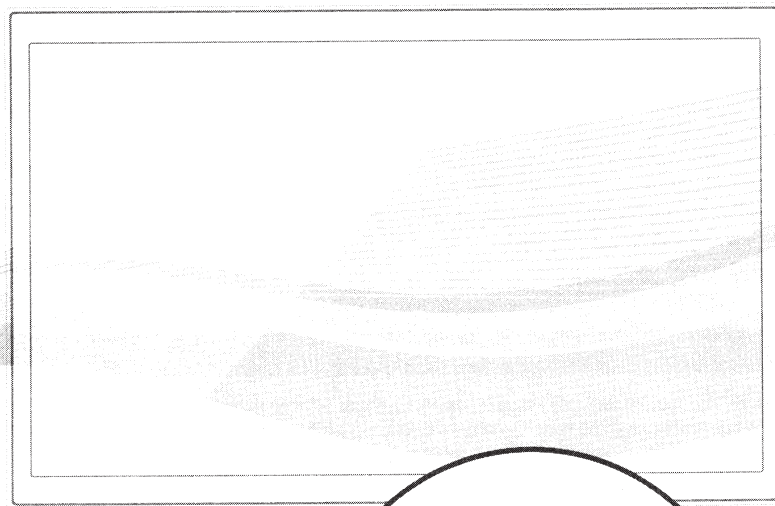




SERIES **6**


LED TV

user manual



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

Model _____ Serial No. _____

 If you have any questions, please call us at 1-800-SAMSUNG (1-800-726-7864) for assistance.

A detailed User's Manual is built into your TV. For more information about how to view this e-Manual see page 33.

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearances. Product design and specifications may be changed without notice.

Important Warranty Information Regarding

Wide screen format LED Displays (with 16:9 aspect ratios, the ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen, 16:9 ratio format, or expanded to fill the screen, if your model offers this feature, with the images constantly in motion. Displaying stationary graphics and images on the screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful about the television formats you select and the length of time you view them. Uneven LED aging as a result of format selection and use, as well as burned in images, are not covered by your Samsung limited warranty.

- **SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT**

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

For the location of a SAMSUNG Authorized Service Center, please call toll-free:

- In the United States : 1-800-SAMSUNG (1-800-726-7864)
- In Canada : 1-800-SAMSUNG

Still image warning

Avoid displaying still images (such as jpeg picture files), still image elements (such as TV channel logos, stock or news bars at the screen bottom etc.), or programs in panorama or 4:3 image format on the screen. Constantly displaying still pictures can cause image burn-in on the LED screen, which will affect image quality. To reduce risk of this effect, please follow the recommendations below:

- Avoid displaying the same TV channel for long periods.
- Always try to display any image in full screen. Use the TV set's picture format menu for the best possible match.
- Reduce brightness and contrast to avoid the appearance of after-images.
- Use all TV features designed to reduce image retention and screen burn. Refer to the e-Manual for details.

List of Features

- **3D:** This exciting new feature enables you to view 3D content.
- **SMART HUB:** Your gateway to all your content, integrated in one place.
 - Provides diverse entertainment choices.
 - Lets you control your entertainment life with an easy-to-use, user friendly user interface.
 - Gives you easy access to diverse apps, with more being added every day.
 - Lets you customize your TV by grouping and sorting apps to your taste.
- **AllShare Play:** Lets you access, view, or play photos, videos, or music located on USB devices, digital cameras, cell phones, and PCs. PCs and cell phones can be accessed wirelessly, through your wireless network.
- **Anynet+ (HDMI-CEC):** Allows you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.
- **e-Manual:** Provides a detailed, on-screen user's manual that's built into your TV. (page 33)

Accessories and Cables

- ✎ Please make sure the following items are included with your TV. If any items are missing, contact your dealer.
- ✎ The items' colors and shapes may vary depending on the model.
- ✎ Make sure that there are no accessories hidden behind or under packing materials after you open the box.

- Remote Control & Batteries (AAA x 2)
- TV Camera (for LED 6580 model only)
- 3D Active Glasses
- Power Cord
- Warranty Card / Safety Guide
- User Manual

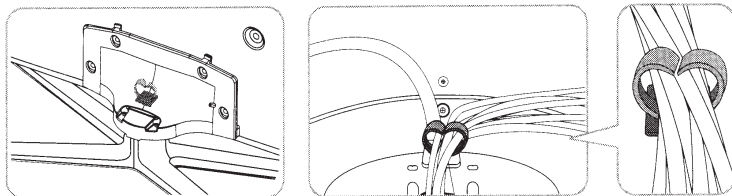


Holder-Wire stand



Holder-Ring x 4

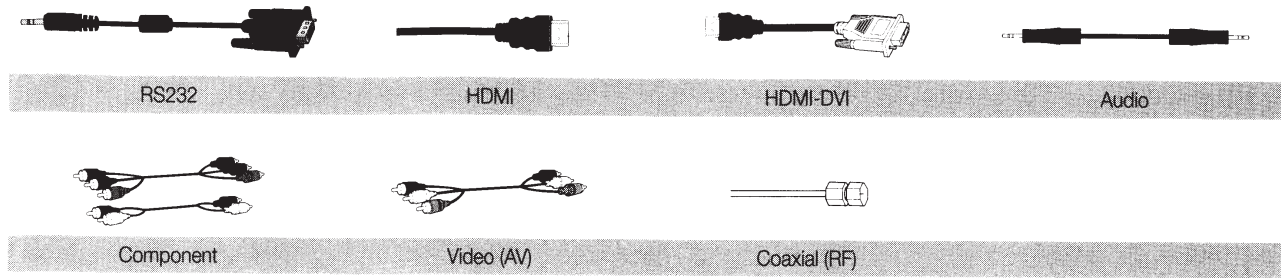
Assembling the Stand Wire Holder



Input Cables (Sold Separately)


You will need one or more of these cables to connect your TV to your antenna or cable outlet and your peripheral devices (Blu-ray players, DVD players, etc.)

To purchase the RS232 cable, contact www.SamsungParts.com.



- ⓘ Make sure you have the correct cable before plugging it in. Illustrations of common plugs and jacks are below.

	Cable Plugs	Ports / Jacks
HDMI		
USB		
Optical		



Warning

Do not plug cables in upside down.
Be sure to check the orientation of the plug before plugging it in.

Providing Proper Ventilation for Your TV

When you install your TV, maintain a distance of at least 4 inches between the TV and other objects (walls, cabinet sides, etc.) to ensure proper ventilation. Failing to maintain proper ventilation may result in a fire or a problem with the product caused by an increase in its internal temperature.

✎ Whether you install your TV using a stand or a wall-mount, we strongly recommend you use parts provided by Samsung Electronics only.

- If you use parts provided by another manufacturer, it may cause difficulties with the product or result in injury caused by the product falling.



Other Warnings

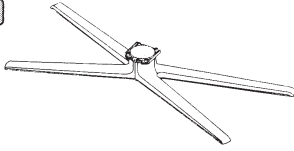
✎ The actual appearance of the TV may differ from the images in this manual, depending on the model.

✎ Be careful when you touch the TV. Some parts can be somewhat hot.

Installing the Stand

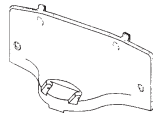
Stand Parts: 40, 46 inches model only (UN40ES6500, UN40ES6580 / UN46ES6500, UN46ES6580)

A



Stand x 1

B



Guide Stand x 1

C



Screws x 8

Follow the steps below to connect the TV to the stand. For more detailed instructions, see the separate stand installation guide.

1

Top View

ATTENTION

DO NOT USE CHEMICALS DO NOT USE GREASE DO NOT USE OIL

2

Place a soft cloth over a table to protect the TV, and then place the TV on the cloth screen side down.

Insert the Stand Guide into the slot on the TV's bottom.

3 Side View

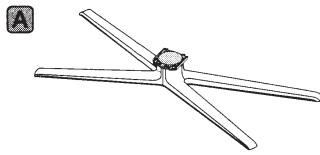
(Correct assembly)

(Incorrect assembly)

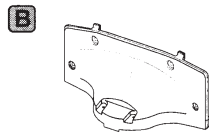
4

Screws x4 (M4 X L12)

Stand Parts: 55, 60 inches model only (UN55ES6500, UN55ES6580 / UN60ES6500)



Stand x 1



Guide Stand x 1



Screws x 8

Follow the steps below to connect the TV to the stand. For more detailed instructions, see the separate stand installation guide.

1

Top View

ATTENTION

DO NOT USE CHEMICALS DO NOT USE GREASE DO NOT USE OIL

2

Place a soft cloth over a table to protect the TV, and then place the TV on the cloth screen side down.

Insert the Stand Guide into the slot on the TV's bottom.

3 Side View

(Correct assembly)

(Incorrect assembly)

4

x4 (M4 X L10)

NOTE

- Make sure to distinguish between the front and back of each component when assembling them.
- Make sure that at least two people lift and move the TV.
- Stand the product up before you tighten the screws. If you tighten the screws with the TV lying down, it may lean to one side when you stand it up.

 **Do not insert your fingers into the stand base slot of the TV when installing the stand base.**

Installing the Wall Mount (Optional)



Wall or Ceiling Mounting

If you mount this product on a wall, it should be mounted only as recommended by the manufacturer. Unless it is correctly mounted, the product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

Installing the Wall Mount Kit

The wall mount kit (sold separately) lets you mount the TV on the wall.

For detailed information about installing the wall mount, see the instructions provided with the wall mount. We recommend you contact a technician for assistance when installing the wall mount bracket. We do not advise you to do it yourself. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount on your own.

To order the wall mount kit, contact Samsung Customer Care at 1-800-SAMSUNG (1-800-726-7864).

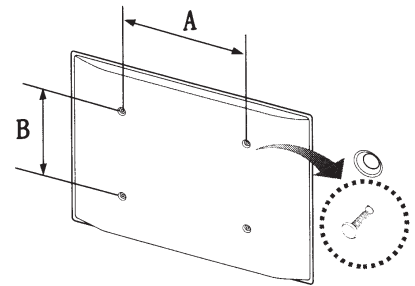
VESA Wall Mount Kit Notes and Specifications

✎ Install your wall mount on a solid wall perpendicular to the floor. Before attaching the wall mount to surfaces other than plaster board, please contact your nearest dealer for additional information. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

✎ NOTE

- Standard dimensions for wall mount kits are shown in the table below.
- Samsung wall mount kits contain a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard length or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV on a wall.

Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
LED-TV	26	100 X 100	M4	4
	32 - 40	200 X 200	M6	
	46 - 60	400 X 400	M8	



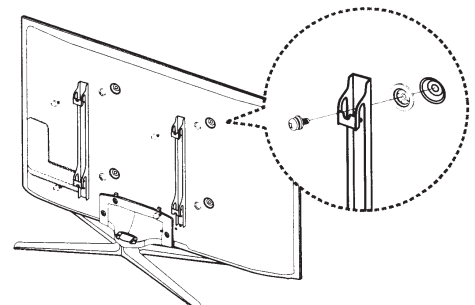
✎ Remove the screws in the mounting holes before you install the wall mount.



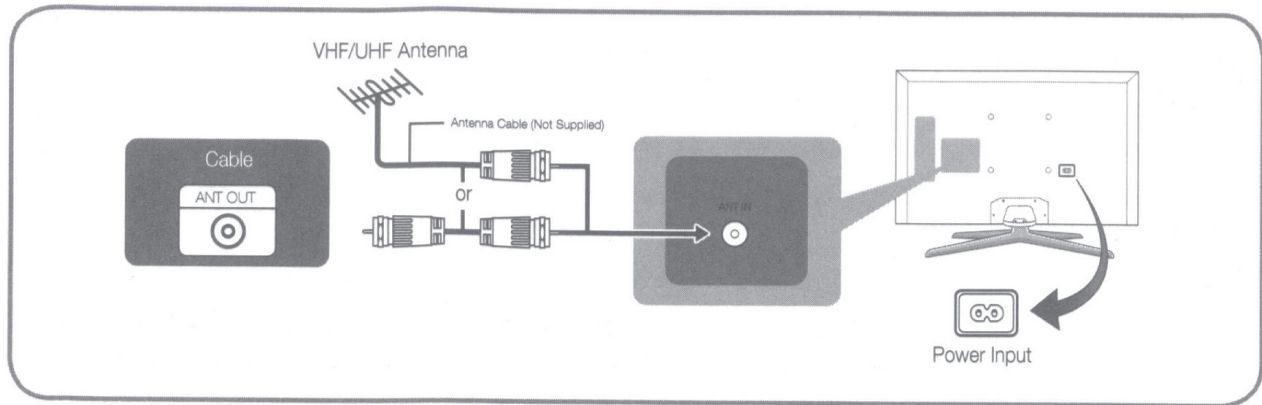
Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Installing a Wall Mount from Another Manufacturer

To install a wall-mount from another manufacturer, use the Holder-Ring.



Connecting the Power Cord and the Antenna or Cable Connection



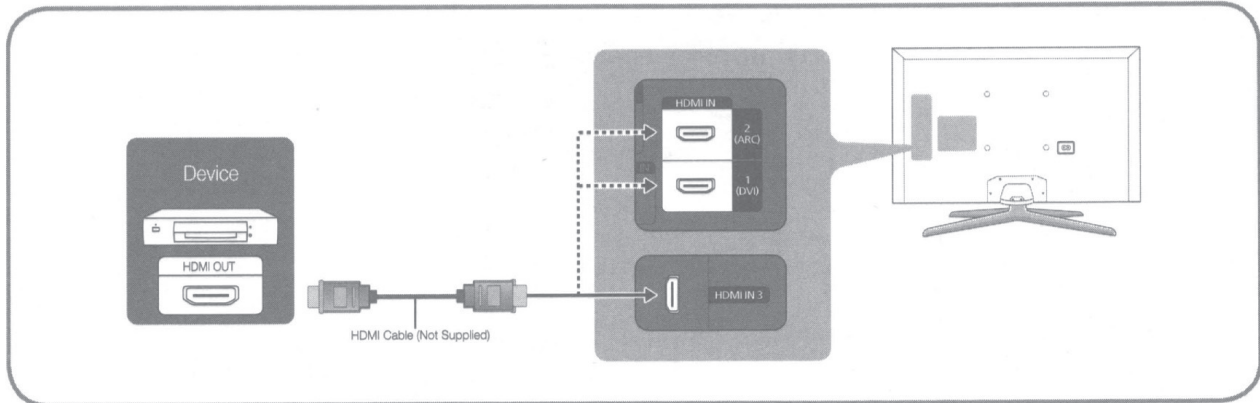
- ✎ Plug the power cord into a wall outlet only after you have made all other connections.
- ✎ If you are connecting your TV to a cable or satellite box using HDMI, Component, or Video connections, you do not need to connect the ANT IN jack to an antenna or a cable connection.
- ✎ Use caution when you move or swivel the TV if the antenna cable is tightly connected. You could break the antenna jack off the TV.

Connecting to AV Devices (Blu-ray Players, DVD Players, etc.)

Using an HDMI Cable for an HD connection (up to 1080p, HD digital signals)

For the best quality HD picture, we recommend using an HDMI connection.

Use with DVD players, Blu-ray players, HD cable boxes, and HD Set-Top-Box satellite receivers.

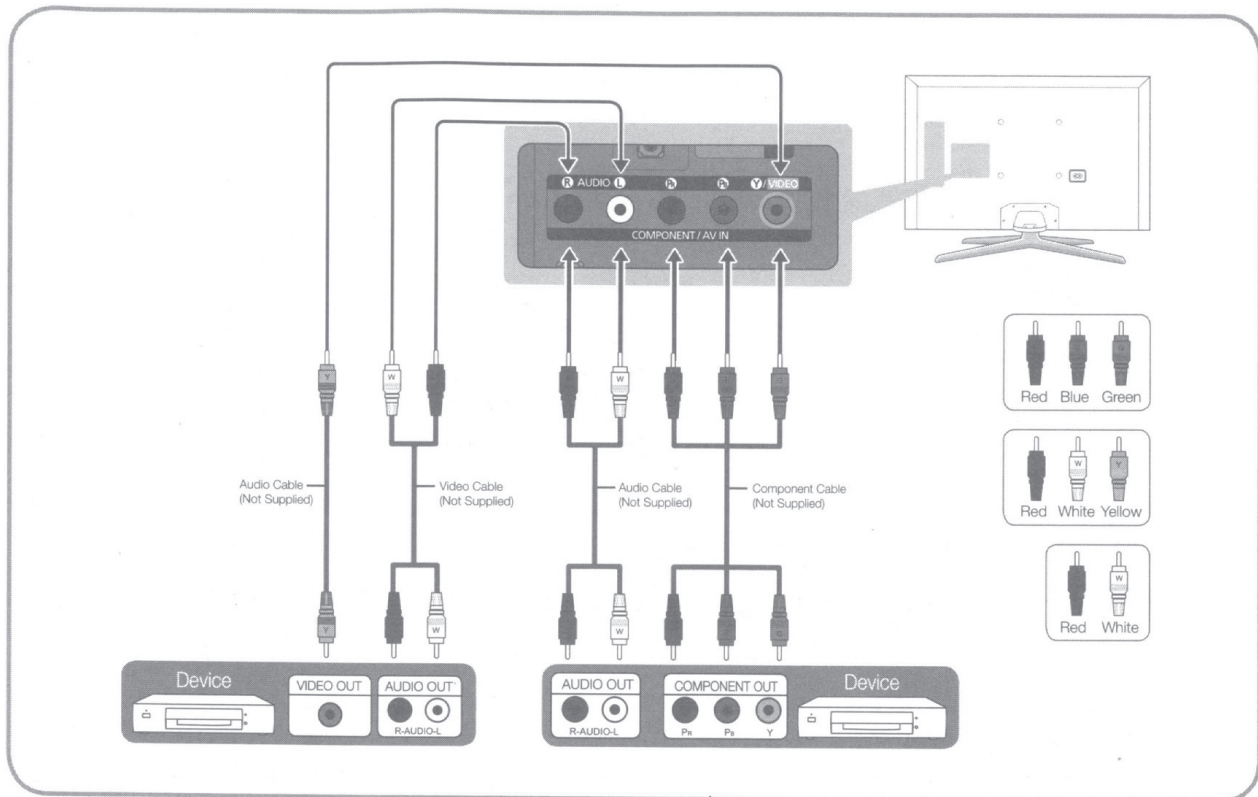


HDMI IN 1 (DVI), HDMI IN 2 (ARC), HDMI IN 3

- For the best picture and audio quality, connect digital devices to the TV using HDMI cables.
- An HDMI cable supports digital video and audio signals, and does not require an audio cable.
 - To connect the TV to a digital device that does not support HDMI output, use an HDMI to DVI cable and audio cables.
- If you connect an external device to the TV that uses an older version of HDMI, the video and audio may not work. If this occurs, ask the manufacturer of the device about the HDMI version and, if it is out of date, request an upgrade.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- We recommend using a basic high-speed HDMI cable or an HDMI cable that is Ethernet compatible. Note that this product does not support the Ethernet function via HDMI.
- This product supports the 3D and ARC (Audio Return Channel) functions via an HDMI cable. Note that the ARC function is supported by the **HDMI IN 2 (ARC)** port only.
- The ARC function allows digital audio to output via the **HDMI IN 2 (ARC)** port on the TV. It can be enabled only when the TV is connected with an audio receiver that supports the ARC function.

Using a Component Cable (up to 1080p HD signals) or an Audio/Video Cable (480i analog signals only)

Use with DVD players, Blu-ray players, cable boxes, STB satellite receivers, VCRs.

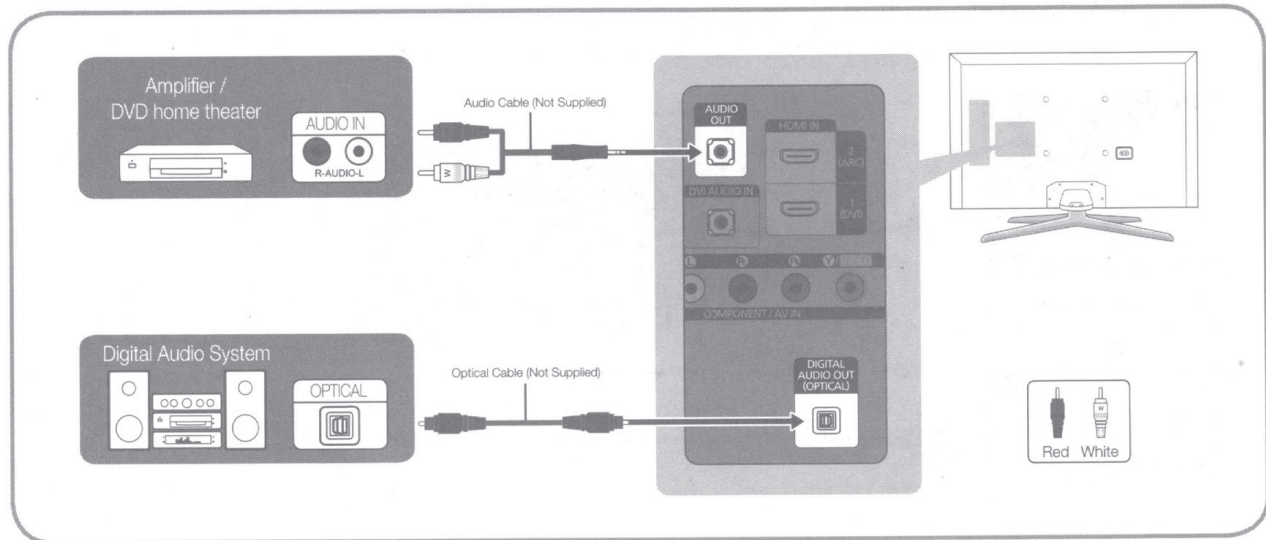


- ✎ For better picture quality, we recommend the Component connection over the A/V connection.
- ✎ When you connect a Video cable to **COMPONENT / AV IN**, the color of the **COMPONENT / AV IN [VIDEO]** jack (green) will not match the video cable (yellow).

Connecting to Audio Devices

Using an Optical (Digital) Cable Connection and a Standard Stereo Cable Connection

Use with Digital Audio Systems, Amplifiers, and Home Theaters.



AUDIO OUT: Connects to the audio input jacks on your amplifier/DVD home theater.

- When connecting, use the appropriate connector.
- When you connect an audio amplifier to the **AUDIO OUT** jacks, decrease the volume of the TV and adjust the volume level with the amplifier's volume control.

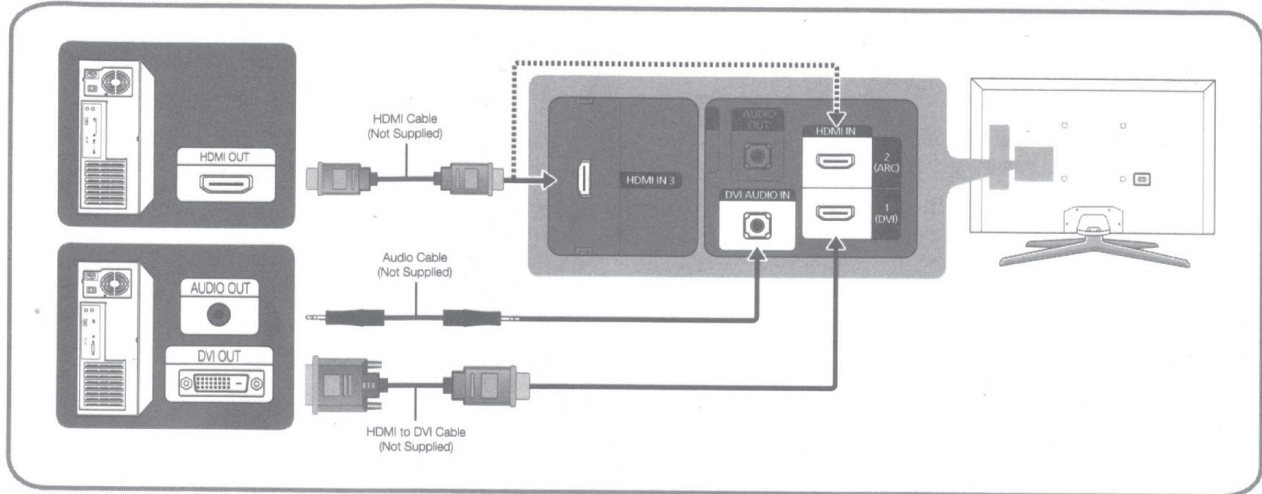
DIGITAL AUDIO OUT (OPTICAL)

- When you connect a Digital Audio System to the **DIGITAL AUDIO OUT (OPTICAL)** jack, decrease the volume of both the TV and the system.
- 5.1 CH (channel) audio is available when you connect the TV to an external device supporting 5.1 CH.
- When the receiver (or home theater) is set to on, you can hear sound output from the TV's optical jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theater receiver. When the source is a digital component such as a DVD player / Blu-ray player / cable box / STB (Set-Top-Box) satellite receiver and you connected it to the TV via HDMI, you will only hear 2 CH audio from the home theater receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theater.

Connecting to a PC

Using an HDMI cable or an HDMI to DVI cable

- ✎ Your PC may not support an HDMI connection.
- ✎ Use your PC speakers for audio.



The optimal resolution is 1920 X 1080 @ 60 Hz. See the Display Resolution page for all available resolutions (page 42).

NOTE

- For an HDMI to DVI cable connection, you must use the **HDMI IN 1 (DVI)** jack.
- For PCs with DVI video out jacks, use an HDMI to DVI cable to connect the DVI out on the PC to the **HDMI IN 1 (DVI)** jack on the TV. Use the PC's speakers for audio.
- PC (D-Sub) input is not supported.

The EX-Link Cable Connection



The **EX-LINK** connection is for service only.

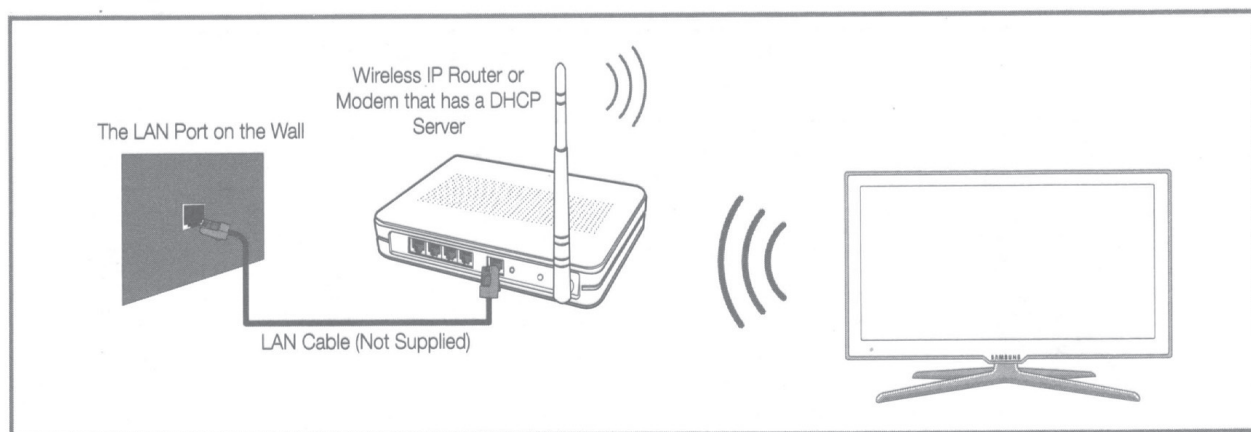
Connecting to a Network

You can set up your TV so that it can access SMART TV applications through your local area network (LAN) using a wired or wireless connection.

- ✎ After you have “physically” connected your TV to your network, you must configure the network connection to complete the process. You can configure the connection during the Initial Setup process (see page 23) or after the Initial Setup process, through the TV’s menu (see page 31).

Network Connection - Wireless

You can connect your TV to your local area network (LAN) through a standard wireless router or modem.



This TV supports the IEEE 802.11 a/b/g and n communication protocols. Samsung recommends using IEEE 802.11n. If you play video using IEEE 802.11a, b, or g, the video may not play smoothly.

Most wireless network systems incorporate a security system that requires devices that access the network through an access point or AP (typically a wireless router or modem) to transmit an encrypted security code called an access key.

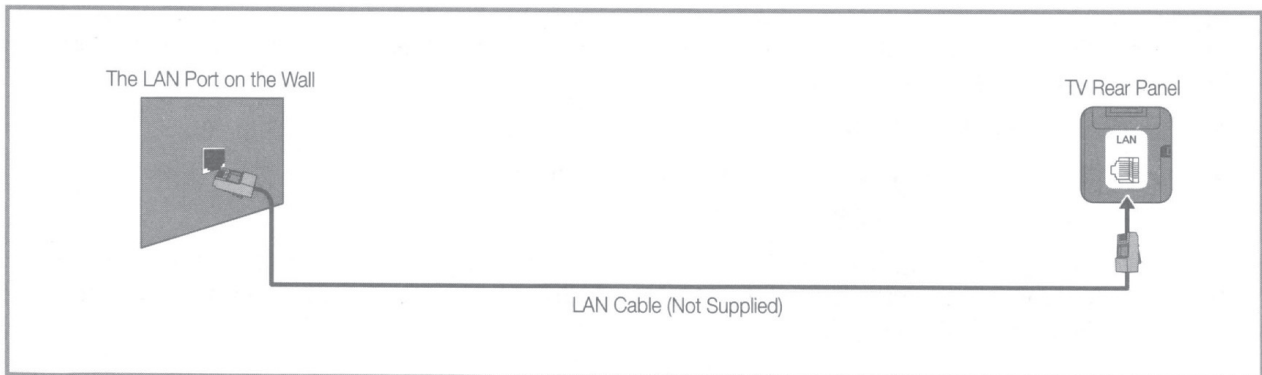
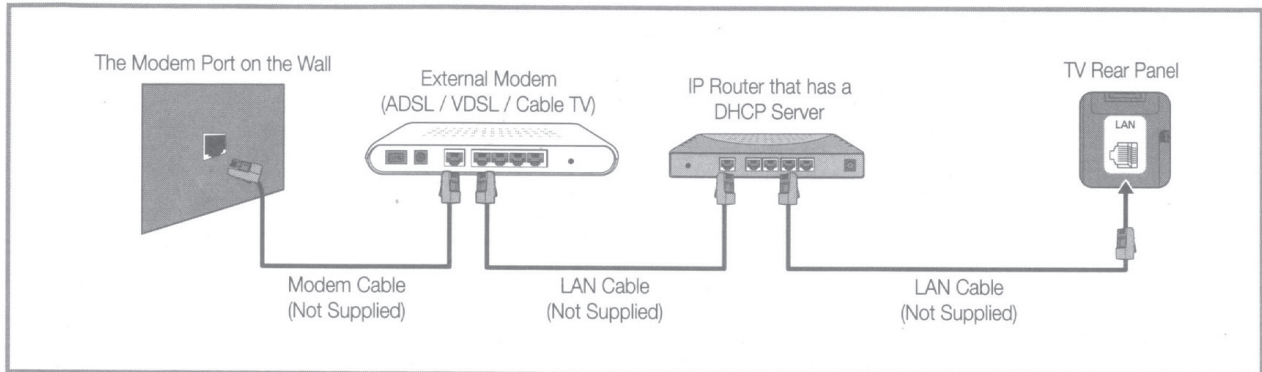
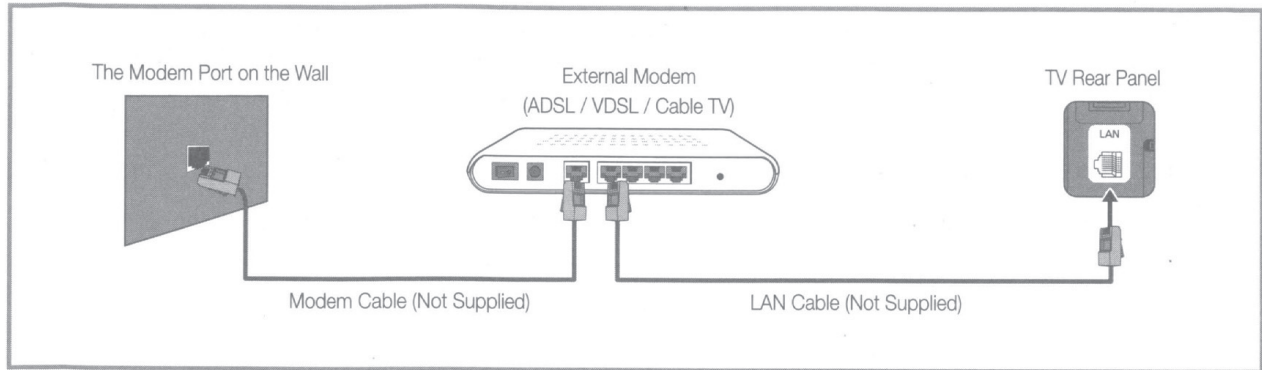
Your TV is compatible with the following security protocols:

- Authentication Mode: OPEN, SHARED, WPAPSK, WPA2PSK
- Encryption Type: WEP, TKIP, AES

If you select Pure High-throughput (Greenfield) 802.11n mode and the Encryption type is set to WEP or TKIP on your AP or wireless router, Samsung TVs will not support a connection in compliance with new Wi-Fi certification specifications.

Network Connection - Wired

There are three main ways to connect your TV to your network using cable, depending on your network setup. They are illustrated starting below:

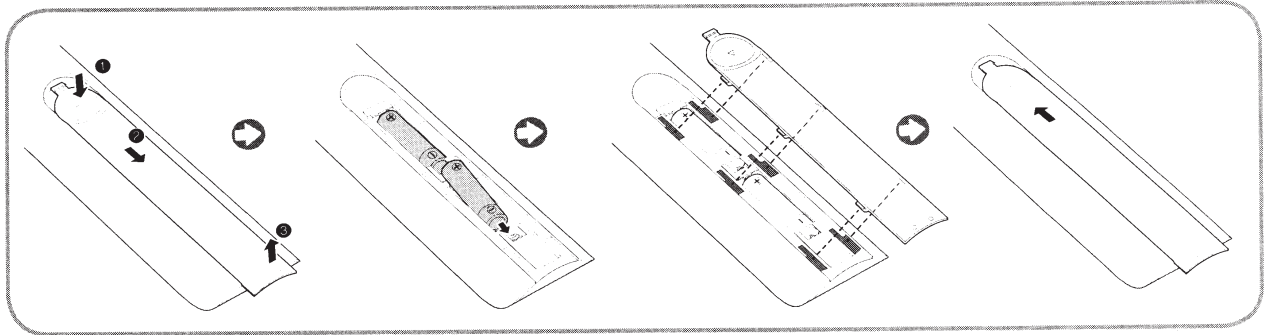


- ✎ The TV does not support network speeds less than or equal to 10Mbps.
- ✎ Use Cat 6 (STP Type*) cable for the connection. (*Shielded Twisted Pair)

The Remote Control

Installing batteries (Battery size: AAA)

Match the polarity of the batteries to the symbols in the battery compartment.



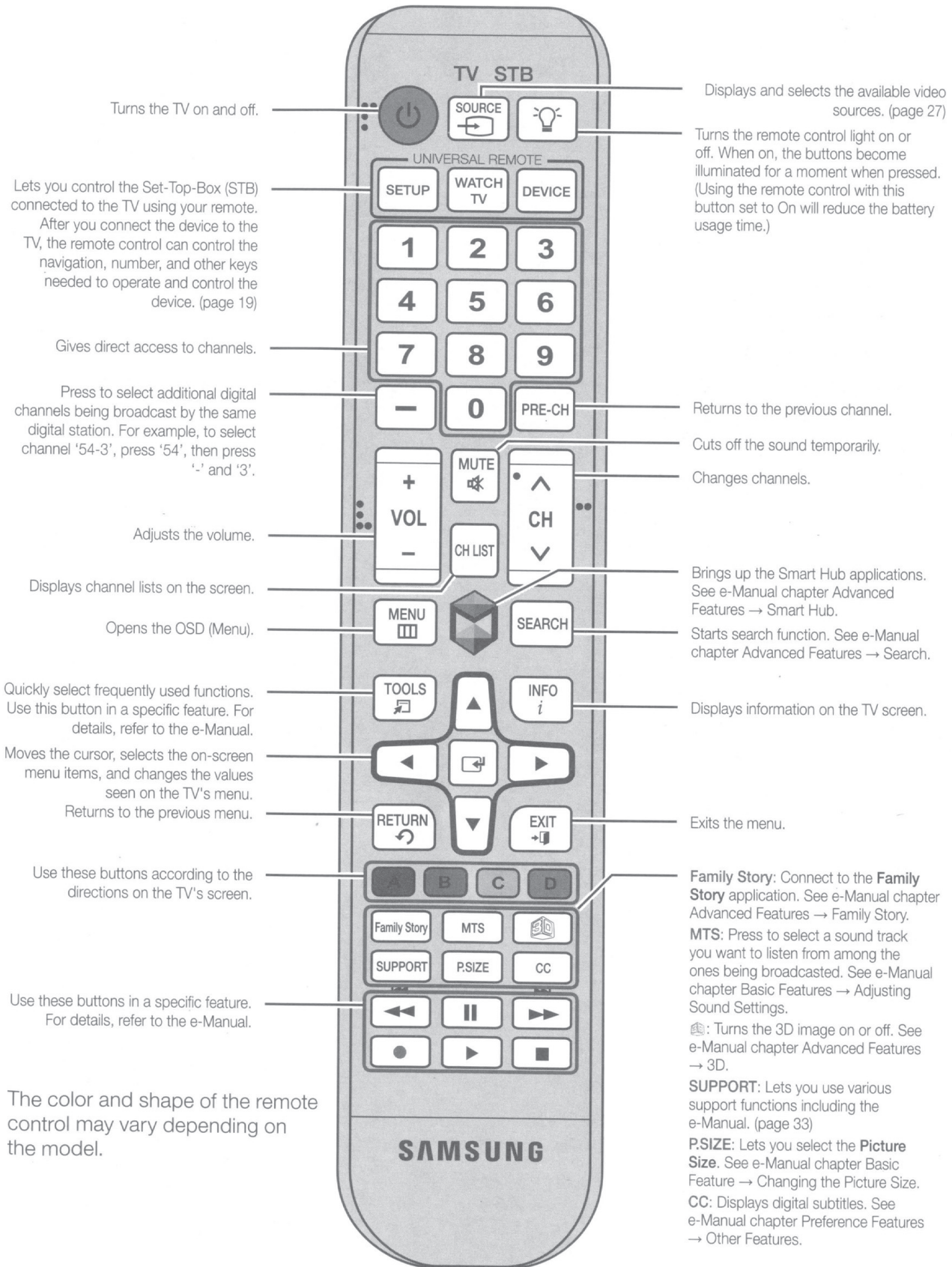
NOTE

- Install the batteries so that the polarity of the batteries (+/-) matches the illustration in the battery compartment.
- Use the remote control within 23 feet of the TV.
- Bright light may affect the performance of the remote control. Avoid using it near fluorescent lights or neon signs.
- The color and shape of the remote may vary depending on the model.

The Remote Control Buttons





Learn where the function buttons are on your remote. Especially note **SOURCE**, **MUTE**, **VOL**, **CH**, **MENU**, **TOOLS**, **↩**, **INFO**, **CH LIST**, **RETURN**, and **EXIT**.


This remote control has Braille points on the Power, Channel, and Volume buttons and can be used by visually impaired persons.



The color and shape of the remote control may vary depending on the model.

Setting up Universal Remote with The Universal Remote Setup Application

-  If your remote controller buttons does not work, please set your remote to TV mode by using the **DEVICE** button.
1. To set up Universal Remote, press the **SETUP** button on your remote.
 2. To identify your remote, press and hold the **SETUP** button for 8 seconds. If you use this function for the first time, the END USER LICENSE AGREEMENT screen appears.
 3. Press the  button to select **I AGREE**. It is required to agree with the terms prior to using Universal Remote.
 4. Select a remote control you have. The remote option menu screen appears.
 5. Select **Set up a device to control**. The **Select a device** screen appears.
 6. Select an external device you want to connect. The **Input Source** screen appears.
 7. Select a port that the external device is connected to the TV. The **Brand** screen appears. If your TV cannot find an external device, please check your external device connection, and then try again by selecting **Refresh**.
 8. Select a brand name of the external device you have. The **Model** screen appears. To search a brand name, select **Search brands**. The QWERTY keypad screen appears. Input a brand name using the QWERTY keypad screen. When done, select **Done**. Wait until the search is completed and then select a brand name in the search result.
 9. Select **SEARCH MODEL**. The QWERTY keypad screen appears. Input a model number in the same way as Step 8, and then select a model number you have in the search result list. If you can't find the model, select **Recommended**. The TV progresses a test using the code set of the brand you selected. If you select **Recommended**, go to Step 11. If you select a model in the search result list, go to Step 13.
 10. The Test screen appears. Press and hold the **SETUP** button for 3 seconds. Numbers appears on the screen.
 11. Enter the following numbers using your remote. The button test screen appears.
 12. Press the  **CH**  button to test your remote. If your external device is working, select **YES** to register the device. If you external device is not working, select **NO**. If you select **NO**, the TV changes the code data, and then the Test screen reappears. Try again Steps 10 to 12.

 If all the code data do not work, please check the brand name or search a model name of your external device again.
 13. Your external device has been setup successfully.


Setting up Universal Remote with Universal Remote Code Set

If your remote controller buttons does not work, please set your remote to TV mode by using the **DEVICE** button.

1. To set up Universal Remote, press the **SETUP** button on your remote for 3 seconds. All the LEDs on the top of your remote blink twice simultaneously.
2. Press the **1** button on your remote to select a Set-top box.
3. Press the number button corresponding to the port of device connected.

 Port numbers are as follows:

1	2	3	5	7
HDMI 1/DVI	HDMI 2	HDMI 3	AV	Component

4. Enter Universal Remote Code corresponding to device you have.
-  For more detailed information about Universal Remote Code, refer to "Universal Remote Code Set list" on page 21.


Using your remote as a Universal Remote





In Universal Remote mode, you can use your remote to control your TV and STB together, your TV alone, or your STB alone. When you have set your remote to control your TV and STB, certain buttons control the TV only and certain buttons control the STB only.

• Controlling the TV and STB Together

To control your TV and STB together, press the **WATCH TV** button at the top center of your remote. The TV and STB LEDs go on and off. If the TV is on, it automatically changes to the source the STB is connected to.

You can control the TV and Set-Top box using the universal remote. (For example, press the Volume button to adjust the TV volume, press the channel button to change the STB channels, etc.)

 See the illustration to the right. When you are using the remote as a universal remote, the buttons demarcated for TV control the TV only and the buttons demarcated for STB control the set top box only.

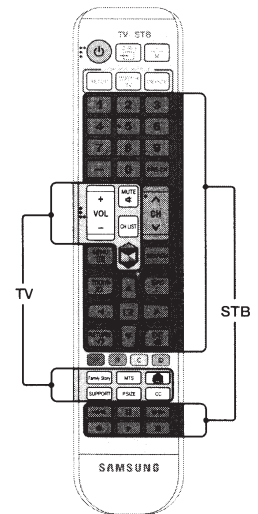
 To turn only the TV off, press the **DEVICE** button, change to TV mode, and then press the  button. To turn only the STB off, press the **DEVICE** button, change to STB mode, and then press the  button. To turn the TV and the STB off, press the  button and hold it for two seconds.

• Controlling the TV only.

Press the **DEVICE** button and change to TV mode. The TV LED goes on and off. You can only control the TV using the universal remote.

• Controlling the STB only

Press the **DEVICE** button and change to STB mode. The STB LED goes on and off. You can only control the Set-Top box using the universal remote.



To initializing (reset) the Universal Remote Control

Initializing erases the current code set from the remote control's memory.

1. Press the **SETUP** button for 3 seconds. All the TV and STB LEDs on the top of your remote blink twice simultaneously.
2. Press in sequence: **9, 8, 1**.
3. The TV and STB LEDs on the top of your remote blink once simultaneously, and then the Universal Remote Control initializes.

Universal Remote Code Set list

Setup Codes For Cable Set Top Box

Brand	Code Set
ABC	0008
ADB	2254, 2586
Ajinvision	1271
Amino	1481, 1602, 1822, 2482, 2655
Arris	2187
AT&T	0858
Bell	1998
Bright House	1376, 1877
C & M	2962, 3319
Cable One	1376, 1877
Cablevision	1376, 1877
Charter	1376, 1877, 2187
Cisco	0858, 0877, 1877, 1982, 2345, 2378, 3028
CJ Digital	2693, 2979
CJ HelloVision	3322
Comcast	0476, 1376, 1877, 1982, 2187, 2576
Comtronics	0040
Cox	1376, 1877
Daehan	0778
Daeryung	0008, 0877, 1877
Digeo	2187
Director	0476
Dongkuk	0702
Entone	2302, 3048
Everquest	0040
General Instrument	0476
GoldStar	0040, 0144, 0838
Hana TV	2681, 2959
Hello TV	3322

Brand	Code Set
HelloD	2979
Homecast	2301
Humax	2962
I-Digital	3319
i3 Micro	1602
Insight	1376, 1877
Jerrold	0476
KNC	0008
Knology	1877
KoolConnect	1481
LG	0040, 0144, 0838, 2692
LG U+	2682
Mediacom	1376, 1877
Mega TV	2683
Memorex	0000
Motorola	0476, 0858, 1376, 1982, 1998, 2378
Moxi	2187
MTS	1998
MyLGTV	2682
Myrio	1602, 1822
OllehTV	2683
Pace	0008, 1376, 1877, 1982
Pacific	1410
Panasonic	0000, 1982
Paragon	0000
Pioneer	0144, 0877, 1877
Pulsar	0000
QooK TV	2683
Quasar	0000

Brand	Code Set
RCN	0476, 1376
Rogers	1877
Runco	0000
Samsung	0000, 0040, 0144, 0702, 0840, 1877, 2979, 3319
Sasktel	1998
Scientific Atlanta	0008, 0858, 0877, 1877, 1982, 2345, 3028
Seawoo	0073
Sejin	1602
Shaw	1376
Signal	0040
SKBtv	2681
SL Marx	0040
SMtronics	3319
Stargate	0040
Suddenlink	1376, 1877
SureWest	1481, 1998
Suwon Cable	3319


Brand	Code Set
TaeKwang	0068
Taepyung	1410
Taihan	0778
Televue	0040
Telus	2345
Thomson	1982
Time Warner	1376, 1877, 2187
Timeless	0040
TiVo	2576
TongKook	0840
Topfield	2981
Toshiba	0000
UBS	0073
Verizon	2378
Videotron	1877
WideOpenWest	1877
Zenith	0000, 0525





Setup Codes For Satellite Set Top Box

Brand	Code Set
Bell ExpressVu	0775
DirecTV	1377, 1442, 1609
Dish Network	0775
Dishpro	0775
EchoStar	0775
Expressvu	0775
General Instrument	0869
GOI	0775
HTS	0775
Hughes Network Systems	1377, 1442
Humax	1406, 1407
Jerrold	0869
JVC	0775

Brand	Code Set
LG	0335, 0461
Motorola	0869
Next Level	0869
Olleh-Skylife	3321
Philips	1442
Qook-Skylife	3321
RadioShack	0869
Radix	1255
Samsung	1276, 1377, 1442, 1609
Shaw Direct	0869
SkyLife	0796, 1255, 3321
Star Choice	0869
TiVo	1442
Voom	0869


Configuring the Basic Settings in Initial Setup

When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Plug the power cord into a wall outlet, and then press the  button to turn on the TV.

-  **Setup** is available only when the input source is set to TV. See "Changing the Input Source" (page 27).
-  To return to the previous step in the **Setup** sequence, select **Previous**.
-  If you are not using a cable box or satellite box, make sure you have connected the TV to an antenna or cable connection before you turn on the TV. See page 10 for instructions.
-  If you want to configure a wired network connection during **Setup**, make sure you've connected a LAN cable to your TV. See pages 16 for instructions. If you want to configure a wireless network connection during **Setup**, make sure your wireless modem or router is on and working.

1


Menu Language:
Select a Language.

After you press the  button, the Start screen appears. Select **Next** to continue. The Menu Language screen appears. Select the menu language you want using your remote, and then select **Next**. The TV will display on-screen menus using the language you select beginning with the next step in the **Setup** process.

2

Use Mode: Select the Home Use Mode.


On the **Use Mode** screen, select the **Home Use** using your remote, and then select **Next**. The Network Settings screen appears.

 **Store Demo** is for retail environments only. If you select **Store Demo**, some functions will not work, and the TV will reset all functions to their factory default every 30 minutes. For more information about **Store Demo**, go to the end of this section.

3

Network Settings:
Configure the network settings

To configuring your network settings, select **Start** using your remote, and then go to 3A - **Wireless Network** or 3B - **Wired Network** on the next page.






 To configure later, select **Skip**. You can set up the network connection later using the on-screen **Network** menu.

If you do not know your network configuration information or want to configure the settings later, or do not have a network, select **Skip**, and then go to 6 - **Auto Program** (1) on page 25.

To configure network settings later, refer to "Setting up the Wired or Wireless Network" in the e-Manual or see the Network Connection sections in this manual (pages 15 and 31).

3A

Wireless Network

1. The TV searches for and then displays all the wireless networks within range. When done, it displays a list of the networks. In the list of networks, move the Highlight to select a network, and then select **Next**. If the selected network requires a Security Key, the Security Key screen appears.
 -  If you have a WPS(PBC) compatible router, select **WPS(PBC)** instead, and then follow the directions on the screen. When done, go to Step 4.
2. Enter your network security key or WPS PIN using your remote.
 -  Enter numbers and letters using your remote.
 - You can enter numbers by pressing the number buttons on the remote.
 - To enter a letter, move the Highlight to the letter, and then select it. You can enter numbers in the same fashion if you choose.
 -  To display capital letters (or redisplay small letters if capital letters are displayed), select **Caps** or **Shift**.
 -  To display symbols and punctuation, select **★**. To redisplay letters, select **★** again.
3. When done, select **Next** if you have entered a security key or **WPS PIN** if you have entered a WPS PIN.
4. The TV checks the wireless connection. If the connection is successful, the **You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.** message appears. Select **Next**, and then go to 4 **Software Upgrade** Step.
 -  If the connection fails, select **Previous**, repeat Step 1 and 2, carefully re-enter your security key or WPS PIN, then repeat Steps 3 and 4. If it fails again, select **Next** on the "Connection Failed" screen, and then go to 6 - **Auto Program** (1) on the next page. Configure your network later through **Network Settings** in the TV's Menu. For more information, refer to "Setting up the Wired or Wireless Network" in the e-Manual or see the Network Connection sections in this manual (pages 15 and 31).


3B

Wired Network





The TV checks the network connection, then displays the **You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.** message appears. Select **Next**. The **Software Upgrade** screen appears.

4**Software Upgrade:**

Update the software to the latest version


 To update later, select **Skip**.

When **Network Settings** is complete, your TV will check for a new software version automatically. If new software is available, the TV downloads and installs the new software. When the download is complete, select **Next**.

-  If you want to upgrade later, select **Skip**. For more information, refer to **Software Update** (Preference Features → Support Menu) in the e-Manual.
-  This may take some time, depending on your network status.
-  You can only upgrade software if your TV has an active network connection.
-  If no new update software is available, a no new updates message appears on the screen. Select **OK**.

5**Terms of Service Agreement**

The **Terms of Service Agreement** screen appears.

 The screen can take a few seconds to display.

The **General Disclaimer** screen appears. Select **Agree**. The **Privacy Policy** screen appears. Select **Agree**.

 To use **Smart Hub**, you must select **Agree** for the **Terms of Service Agreement**.

6

Auto Program (1):
Select where your TV signal comes from.




Select the appropriate option for your TV using your remote, and then select **Next**.

- **I use an antenna cable connection to the TV.:** Select if you have an antenna or a cable connection without a set-top box. If you select this option, go to 7 - **Auto Program (2)** Step.
- **I use a set-top box.:** Select if you have a satellite or cable set-top box. You do not need to run **Auto Program**. If you select this option, go to 9 - **Clock** on the next page.

7

Auto Program (2):
Select the search options.

1. Select **Air** or **Cable** using your remote. A check appears on your selection. When done, select **Next**. You can check both if you have both connected.
2. If you selected **Air**, go to 8 - **Auto Program (3)**.
3. If you selected **Cable**, you'll go to the cable system screen. Select **Digital Cable System**. The option window appears. Select the correct cable signal format; **STD**, **HRC**, or **IRC**. Most cable systems use **STD** (Standard). Repeat the same process with **Analog Cable System**.
4. When done, select **Next**.

8	Auto Program (3): Channel memorization	<p>Channel memorization starts. Channel memorization can take up to 45 minutes, depending on your cable system.</p> <p>For more information, refer to Auto Program (Channel Menu → Memorizing Channels) in the e-Manual.</p> <p> Select Stop at any time to halt the memorization process.</p>
9	Clock: Set the Clock	<p>Select Auto or Manual, and then select Next.</p> <p> If you selected I have a set-top box. in 6 - Auto Program (1), you can only set the current time and date manually, using your remote.</p> <p>Auto</p> <p>If you selected Auto, the TV will automatically download the correct time from a digital channel. The Time Zone screen will appear. Select your Time Zone, and then select Next. The DST (Daylight Savings Time) screen will appear. The DST function sets the time ahead one hour to adjust the clock for Daylight Savings Time. Select On if you want to turn the DST adjustment on. Select Off to turn off the DST adjustment. You can also turn the DST function on through the TV's on screen menu (Menu → System → Time → Clock → DST).</p> <p>Manual</p> <p>If you selected Manual, you'll go to the Clock screen. Select Date or Time. You can set the current date and time using your remote. When done setting the Date and Time, select Next.</p>
10	Setup Complete	<p>Review the Setup data, and then select Close to finish.</p> <p> The completed settings are displayed.</p>

If You Want to Rerun Setup...

Menu → **System** → **Setup**

If You Want to Turn the Store Demo Mode On or Off.


To set or unset **Store Demo** mode outside of **Setup**, press and release the TV Controller when the power is on. The Function menu screen appears. Push the TV Controller to the left (to **MENU** (□)) and hold for more than 5 seconds. The **Store Demo** mode is set. To cancel **Store Demo**, bring up the Function menu using the TV Controller, push the TV Controller to the right (to **Source** (⊞)) and hold for more than 5 seconds. See page 29 for information about the TV Controller.

Source


→ Source

When you are watching TV and you want to watch a movie on your DVD player or Blu-ray player or switch to your cable box or STB satellite receiver, you need to change the Source.


■ TV / HDMI1/DVI / HDMI2 / HDMI3 / AV / Component

1. Press the  button on your remote. The **Smart Hub** screen appears.
2. Select **Source**. The **Source** screen appears.
3. Select a desired external input source.


 Alternatively, you can access the **Source** screen by pressing the **SOURCE**- button on your remote.


 You can only choose external devices that are connected to the TV. In the displayed **Source** list, connected inputs are highlighted.


How to Use Edit Name

Edit Name lets you associate a device name to an input source. To access **Edit Name**, press the **TOOLS**- button on your remote when the **Source** list is displayed. The following selections appear under **Edit Name**:

■ **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI Devices / TV / IPTV / Blu-ray / HD DVD / DMA**: Select an input jack, and then select the name of the device connected to that jack from the list that appears. For example, if you have your Blu-ray player attached to **HDMI IN 2 (ARC)**, select **Blu-ray** for that input.

 If you connect a PC to the **HDMI IN 1 (DVI)** port with an HDMI cable, assign **PC** to **HDMI1/DVI** in **Edit Name**.

 If you connect a PC to the **HDMI IN 1 (DVI)** port with an HDMI to DVI cable, assign **DVI PC** to **HDMI1/DVI** in **Edit Name**.

 If you connect an AV device to the **HDMI IN 1 (DVI)** port with an HDMI to DVI cable, assign **DVI Devices** to **HDMI1/DVI** in **Edit Name**.

Information

You can see detailed information about the selected external device.

Refresh

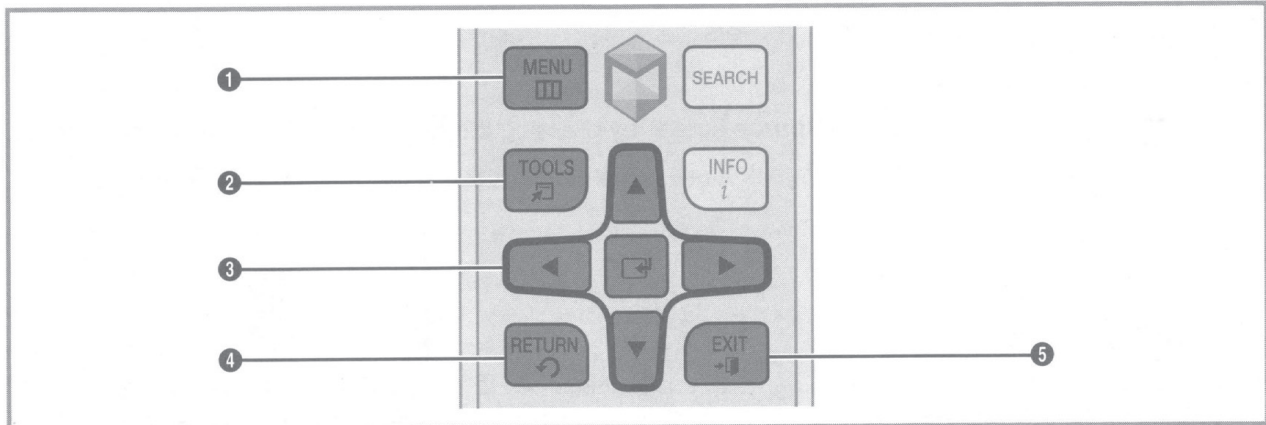
If the external devices are not displayed in the **Source** list, open the **Tools** menu, select **Refresh**, and then search for the connected devices.

 Alternatively, you can refresh the **Source** list by pressing the **A** button on your remote.

How to Navigate Menus

Your TV's Main and Tools menus contains functions that let you control the TV's features. For example, in the Main menu you can change the size and configuration of the picture, its brightness, its contrast and so on. There are also functions that let you control the TV's sound, channel configuration, energy use, and a host of other features. To access the main, on-screen menu, press the **MENU** button on your remote. To access Tools menus, press the **TOOLS** button. Tools menus are available when the **TOOLS** menu icon is displayed on the bottom right of the screen

The illustration below displays the buttons on the remote you use to navigate the menus and select and adjust different functions.



- 1 **MENU** button: Displays the main on-screen menu.
- 2 **TOOLS** button: Displays the Tools menus when available.
- 3 **Directional** and **Enter** buttons: Use the Directional buttons to move the cursor and highlight an item. Use the Enter button to select an item or confirm the setting.
- 4 **RETURN** button: Returns to the previous menu.
- 5 **EXIT** button: Exits the on-screen menu.

How to Operate the Main Menu (OSD - On Screen Display) Using the Remote

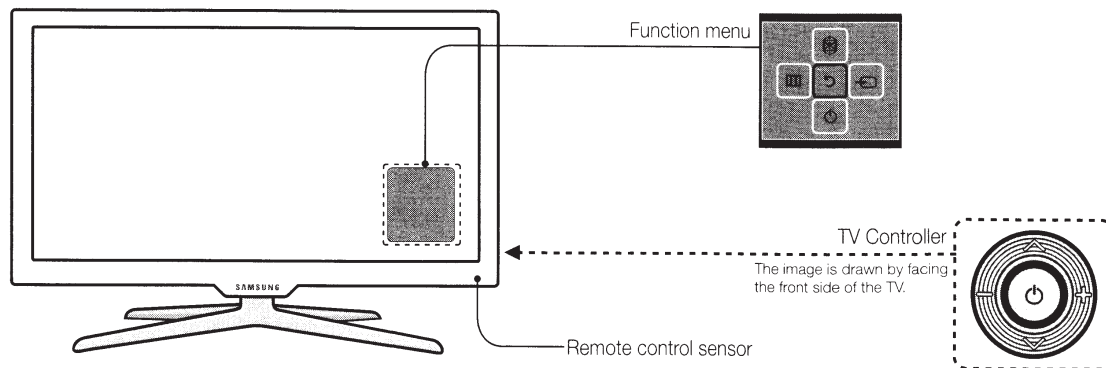
The access steps may differ depending on the menu option you select.

1	MENU	The main menu options appear on the screen: Picture, Sound, Channel, Network, System, Support.
2	▲ / ▼	Select a main menu option on the left side of the screen with the ▲ or ▼ button.
3	Enter	Press Enter to access the sub-menus.
4	▲ / ▼	Select the desired submenu with the ▲ or ▼ button.
5	▲ / ▼ / ◀ / ▶	Adjust the value of an item with the ◀ , ▶ , ▲ , or ▼ button. The adjustment in the OSD may differ depending on the selected menu.
6	Enter	Press Enter to confirm the selection.
7	EXIT	Press EXIT .


Using the TV's Controller

The TV's Controller, a small joy stick like button on the rear right side of the TV, lets you control the TV without the remote control.

 The product color and shape may vary depending on the model.



 Follow these instructions facing the front of your TV.

 When selecting the function by moving the TV Controller to the up/down/left/right directions, be sure not to press the TV Controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

Power on	Turn the TV on by pressing the TV Controller when the TV is in standby mode.
Adjusting the volume	Adjust the volume by moving the TV Controller from side to side when the power is on.
Selecting a channel	Select a channel by moving the TV Controller upwards and downwards when the power is on.
Using the Function menu	To view and use the Function menu, press and release the TV Controller when the power is on. To close the Function menu, press and release the TV Controller again.
Selecting the SMART HUB (☺)	With the Function menu visible, select SMART HUB (☺) by moving the TV Controller upwards. The SMART HUB main screen appears. Select an application by moving the TV Controller, and then pressing the TV Controller.
Selecting the MENU (☰)	With the Function menu visible, select the MENU (☰) by moving the TV Controller to the left. The OSD (On Screen Display) Menu appears. Select an option by moving the TV Controller to the right. Move the TV Controller to the right or left, or upwards and downwards to make additional selections. To change a parameter, select it, and then press the TV Controller.
Selecting a Source (☒)	With the Function menu visible, open the Source (☒) list by moving the TV Controller to the right. The Source list screen appears. To select a source, move the TV Controller upwards and downwards. When the source you want is highlighted, press the TV Controller.
Power Off (⏻)	With the Function menu visible, select Power Off (⏻) by moving the TV Controller downwards, and then press the TV Controller.

 To close the **Menu**, **Smart Hub**, or **Source**, press the TV Controller for more than 1 second.

Standby mode




Your TV enters Standby mode when you turn it off and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

Using Smart Hub

Smart Hub provides easy, on-screen access to five functions that let you manage and access channels, set favorite channels, access photos, videos, or music on USB devices, cameras, and PCs, select video sources, and set the TV to turn on automatically when a show you want to watch is on. The five functions are listed below:

- **Channel:** Lets you manage channels, select favorite channels, add channels to and delete channels from the **Added Ch.** list (the channels that appear when you press the **▼ CH ▲** button.)
- **Web Browser:** Lets you browse the Internet.
- **Schedule Manager:** Lets you schedule shows and channels for viewing.
- **Source:** Lets you select a connected external video source to view.
- **AllShare Play:** Lets you access, view, or play photos, videos, or music located on USB devices, digital cameras, cell phones, and PCs. PCs and cell phones can be accessed wirelessly, through your wireless network.

Smart Hub also provides an easy-to-use gateway to a host of on-line media and entertainment including apps from the Samsung Apps store, streaming videos and movies, kids sites, and more.

-  To access **Smart Hub**, press the  button on your remote.
-  For more information about **Smart Hub**, see the e-Manual.

Configuring Network Connections

After you have run the initial setup, you can configure or reconfigure the network connections through the TV's menu.

Configuring a Wireless Network Connection

The instructions below are for networks that use the Dynamic Host Configuration Protocol (DHCP) to configure network connections automatically. Most wireless networks use DHCP. If you have a Static IP network, see the e-Manual for configuration instructions.



To configure the network connection for a network that uses DHCP, follow these steps:

1. Connect your TV to your network as shown in the illustration on page 15.
2. Turn on your TV, and then go to the **Network Settings** screen. (**Menu** → **Network** → **Network Settings**)
3. Select **Start**. The Network function searches for available wireless networks. When done, it displays a list of the available networks.
4. In the list of networks, move the highlight to select a network, and then select **Next**.
 - ✎ If you have a WPS(PBC) compatible router, select **WPS(PBC)** instead, and then follow the directions on the screen.
5. Enter your network security key or WPS PIN using your remote.
 - ✎ Enter numbers and letters using your remote.
 - Enter numbers by pressing the number buttons on your remote.
 - To enter a letter, move the Highlight to the letter, and then select it. You can enter numbers in the same fashion if you choose.
 - ✎ To display capital letters (or redisplay small letters if capital letters are displayed), select **Caps** or **Shift**.
 - ✎ To display symbols and punctuation, select **★**. To redisplay letters, select **★** again.
6. When done, select **Next** if you have entered a security key or **WPS PIN** if you have entered a WPS PIN.
7. The TV checks the wireless connection. If the connection is successful, the "**You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.**" message appears. Select **Next** using your remote.
 - ✎ For more detailed information, see "Setting up the Wireless Network" in the e-Manual.
 - ✎ If you want to configure the connection manually, select **IP Settings** on the Network Connection screen. Set **IP Mode** to **Manual**, and then enter the **IP Address**, **Subnet Mask**, **Gateway**, and **DNS Server** manually.

Configuring a Wired Network Connection

Most home networks use the Dynamic Host Configuration Protocol (DHCP) to configure network connections. Home networks that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS values your TV needs to access the Internet so you don't have to enter them manually. If you have a Static IP network, see your user's manual for configuration instructions.

To configure the network connection for a wired network that uses DHCP, follow these steps:

1. Connect your TV to your network as shown in one of the illustrations on page 16.
 2. Turn on your TV, and then go to the **Network Settings** screen. (**Menu** → **Network** → **Network Settings**)
 3. Select **Start**.
 4. The Network Connection screen appears, and verifies the network connection. When the connection has been verified, the "**You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.**" message appears. Network set up is completed.
-  If your TV cannot acquire network the connection values automatically or if you want to set the connection manually, select **IP Settings** on the network connection screen. Set **IP Mode** to **Manual**, and then enter the **IP Address**, **Subnet Mask**, **Gateway**, and **DNS Server** manually.
-  For more detailed information, refer to "Setting up the Wired Network" in the e-Manual.

How to view the e-Manual

SUPPORT



You can find instructions for your TV's features in the e-Manual. To open the e-Manual, press the **SUPPORT** button on your remote.

You can also access it through the menu:

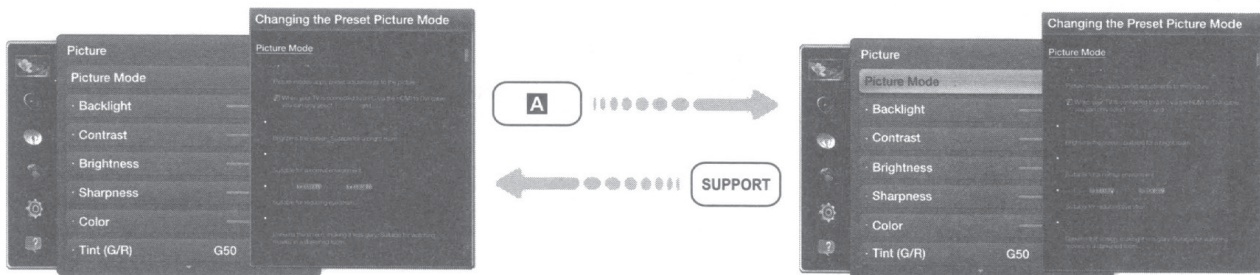
Menu → **Support** → **e-Manual**

Access the e-Manual

To use the e-Manual, follow these steps:

1. When you need to help, press the **SUPPORT** button on your remote. The **Support** screen appears.
 2. Select **e-Manual** using your remote. The **e-Manual** screen appears.
 3. Select a desired category.
 4. Select a desired topic. The e-Manual displays the page you want to see.
- Blue words in e-Manual signify menu options or selections on TV screen.
 - Green icons in the e-Manual signify a button on your remote.
 - Arrow steps (e.g. **Menu** → **Support** → **e-Manual**) in the e-Manual signify the sequence of steps required to access an option or activate a function.

How to toggle between an e-Manual topic and the corresponding OSD menu(s).



- This function is not enabled in some menus.
 - You can't use the **Try Now** function if the menu is not available.
1. To go to the topic's corresponding menu option, press the **A** button on your remote.
 2. To return to the e-Manual screen, press the **SUPPORT** button on your remote.

Using the colored and function buttons with the e-Manual

- **Scroll bar:** Scroll the e-Manual screen up or down.
- **◀ / ▶:** Moves to the previous or next chapter.
- **A Try Now:** Move to the OSD menu that corresponds to the topic. To return to the e-Manual screen, press the **SUPPORT** button on your remote.
- **B Home:** Moves to the e-Manual home screen.
- **C Position:** Each time you select **C**, you change the position of the e-Manual screen.
- **D Index:** Displays the Index screen.
- **↶ Return:** Return to the previous screen.

How to search for a topic on the index page

1. Select **D** using your remote. The Index screen appears.
2. To search for a topic, select a letter. The Index displays a list of topics and keywords that begin with the letter you selected.
3. Select a topic or keyword you want.
4. The e-Manual page with the topic appears.
 - 📎 To close the **Index** screen, press the **RETURN↶** button.

To Change the screen position of the e-Manual

If the e-Manual screen is not invisible well because the OSD Menus screen, you can change the e-Manual screen's position.


1. Move the Highlight to the e-Manual screen by pressing the **SUPPORT** button on your remote.
2. Press the **C** button on your remote. Each time you select **C**, the position of the e-Manual will change.


Troubleshooting


If the TV seems to have a problem, first review this list of possible problems and solution. Also review the Troubleshooting Section in the e-Manual. If none of the troubleshooting tips apply, visit www.samsung.com/support or call Samsung Customer Service at 1-800-SAMSUNG (1-800-726-7864).


Flickering and Dimming	<p>If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features such as the Eco Sensor or the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.</p> <ul style="list-style-type: none"> • Energy Saving: User Menu → System → Eco Solution → Energy Saving • Eco Sensor: User Menu → System → Eco Solution → Eco Sensor
Component Connections / Screen Color	<p>If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis on the TV to make sure there are no device issues.</p> <ul style="list-style-type: none"> • Self Diagnosis: User Menu → Support → Self Diagnosis → Picture Test <p>If the problem does not appear in the Picture test, make sure:</p> <ul style="list-style-type: none"> • Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source. • You have connected your devices to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, and the yellow Y jack on the source to the yellow Y jack on the TV.
Screen Brightness	<p>If you find that the colors on your Samsung TV are correct but just a little too dark or bright, try adjusting the following settings in the Picture menu option of the Main menu:</p> <ul style="list-style-type: none"> • Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on.
Blur	<p>If you find that there is a blur or "ghostlike" appearance to the images on your television's screen, you might be able to correct the blurring using Auto Motion Plus.</p> <ul style="list-style-type: none"> • Auto Motion Plus: User Menu → Picture → Picture Options → Auto Motion Plus

Issues	Solutions and Explanations
Unwanted Powering Off	<p>If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.</p> <p>First make sure Sleep Timer is not accidentally set. The Sleep Timer turns off the TV automatically after a certain period of time has passed.</p> <ul style="list-style-type: none"> • Sleep Timer: User Menu → System → Time → Sleep Timer <p>If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.</p> <ul style="list-style-type: none"> • No Signal Power Off : User Menu → System → Eco Solution → No Signal Power Off • Auto Power Off: User Menu → System → Eco Solution → Auto Power Off
Trouble Powering On	<p>Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the Power on button on the TV or remote. The light should blink about 5 times before the TV turns on.</p> <p>If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.</p> <ul style="list-style-type: none"> • If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on. <p>If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.</p>
Stand Assembly	<p>If you have any trouble assembling the stand, visit www.samsung.com/spsn and watch "2012 Stand Assembly" on the "Top 7 TV Troubleshooting Tips".</p>
Cannot Find a Channel	<p>Re-run Setup (Go to User Menu → System → Setup) or run Auto Program. (Go to User Menu → Channel → Auto Program).</p>

 For detailed troubleshooting information, watch the troubleshooting videos at www.samsung.com/spsn.

Issues	Solutions and Explanations
The TV won't turn on.	<ul style="list-style-type: none"> • Make sure the AC power cord is securely plugged in to the wall outlet and the TV. • Make sure the wall outlet is working. • Try pressing the  button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "Remote control does not work" below.
There is no picture/video.	<ul style="list-style-type: none"> • Check the cable connections. Remove and reconnect all cables connected to the TV and external devices. • Set the video outputs of your external devices (Cable/Sat Box, DVD, Blu-ray etc) to match the TV's input connections. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. • Make sure your connected devices are powered on. • Be sure to select the correct input source • Reboot the connected device by unplugging it, and then reconnecting the device's power cable.
The remote control does not work.	<ul style="list-style-type: none"> • Replace the remote control batteries. Make sure the batteries are installed with their poles (+/-) in the correct direction. • Clean the sensor's transmission window on the remote. • Try pointing the remote directly at the TV from 5~6 feet away.
The cable/set top box remote control doesn't turn the TV on or off, or adjust the volume.	<ul style="list-style-type: none"> • Program the Cable/Set remote control to operate the TV. Refer to the Cable/Set-Top-Box user manual for the SAMSUNG TV code.

 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. There may be, however, a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

 To keep your TV in optimum condition, upgrade to the latest firmware on the Samsung web site by USB (samsung.com → Support → Downloads).

Licenses

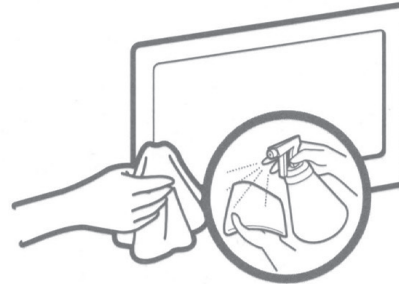


Storage and Maintenance

- ✎ If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean the debris off before watching TV.
- ✎ The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches.



Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



Clean the product with a soft cloth dampened with a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent.

Securing the TV to the Wall



Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV. Doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the Safety Flyer included with your TV. For added stability and safety, you can purchase and install the anti-fall device as described below.

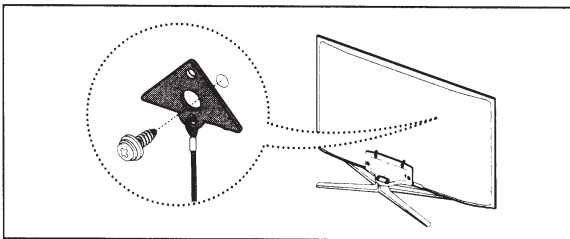
The TV-Holder Kit (Sold Separately):

The parts below are included in the TV Holder kit. In addition, you need to provide a wood screw, screw and molly, or other screw appropriate for the wall or cabinet you intend to secure the TV-Holder string to. We recommend a size M4xL20 wood screw.



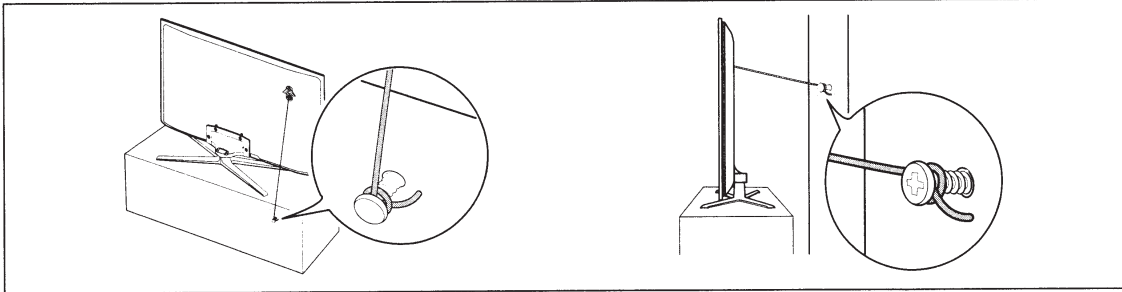
Installing the TV-Holder

1. Remove the screw attached to the back of your TV, and then connect the TV-Holder to the TV with the screw included in the TV-Holder Kit that is designated for your TV.
 - 🔧 Make sure to use only the appropriate supplied screw. If you use a different screw, you can damage your TV.



2. Firmly fasten the screw you provided (size M4xL20 or similar) to the wall or cabinet where the TV is to be installed.
 - 🔧 If you fasten the screw to the wall, we recommend you drive the screw into a stud. If that is not possible, use a molly to anchor the screw.

3. Tie the TV-Holder cord to the screw fastened to the wall or cabinet so that the TV is fixed. See the illustrations below.
- ✎ Install the TV close to the wall so that it does not fall.
 - ✎ When attaching the TV-Holder cord to the wall, tie the cord level with the ground or slanted downwards for safety purposes.
 - ✎ Check the cord occasionally to make sure it is secure.
 - ✎ Before moving the TV, separate the connected cord first.








4. Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

To purchase the TV-Holder Kit, contact Samsung Customer Care

- In the United States: 1-800-SAMSUNG (1-800-726-7864)
- In Canada: 1-800-SAMSUNG (1-800-726-7864)

Specifications

Display Resolution	1920 x 1080	
Environmental Considerations		
Operating Temperature	50°F to 104°F (10°C to 40°C)	
Operating Humidity	10% to 80%, non-condensing	
Storage Temperature	-4°F to 113°F (-20°C to 45°C)	
Storage Humidity	5% to 95%, non-condensing	
Stand Swivel (Left / Right)	-20° ~ 20°	
Model Name	UN40ES6500 UN40ES6550 UN40ES6580	UN46ES6500 UN46ES6550 UN46ES6580
Screen Size (Diagonal)	40" Class (40.0" measured diagonally)	46" Class (45.9" measured diagonally)
Sound (Output)	10 W X 2	
Dimensions (W x D x H)		
Body	36.6 x 1.8 x 21.8 inches (930.4 x 48.1 x 555.1 mm)	41.9 x 1.8 x 24.8 inches (1065.8 x 48.1 x 631.5 mm)
With stand	36.6 x 9.5 x 24.4 inches (930.4 x 241.3 x 620.9 mm)	41.9 x 10.8 x 28.3 inches (1065.8 x 276.7 x 721.2 mm)
Weight		
Without Stand	23.3 lbs (10.6 kg)	29.1 lbs (13.2 kg)
With Stand	26.2 lbs (11.9 kg)	33.0 lbs (15.0 kg)
Model Name	UN55ES6500 UN55ES6550 UN55ES6580	UN60ES6500
Screen Size (Diagonal)	55" Class (54.6" measured diagonally)	60" Class (60.0" measured diagonally)
Sound (Output)	10 W X 2	
Dimensions (W x D x H)		
Body	49.4 x 1.8 x 29.0 inches (1256.4 x 48.1 x 738.3 mm)	54.1 x 1.9 x 31.7 inches (1376.5 x 48.6 x 805.8 mm)
With stand	49.4 x 10.8 x 31.7 inches (1256.4 x 276.7 x 806.4 mm)	54.1 x 12.1 x 34.5 inches (1376.5 x 309.8 x 877.1 mm)
Weight		
Without Stand	39.59 lbs (16.6 kg)	46.2 lbs (21.0 kg)
With Stand	40.56 lbs (18.4 kg)	51.8 lbs (23.5 kg)

-  Design and specifications are subject to change without prior notice.
-  The actual appearance of the TV may differ from the images in this manual, depending on the model.
-  This device is a Class B digital apparatus.
-  For information about the power supply, and more about power consumption, refer to the label attached to the product.
-  Typical power consumption is measured according to Energy Star Program requirements for Televisions.

Dispose unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect or call, (877) 278 - 0799

Display Resolution

If you have attached the TV to your PC, you can select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
1680 x 1050	65.290	59.954	146.250	-/+	
1920 x 1080	67.500	60.000	148.500	+/+	

NOTE

- The interlaced mode is not supported.
- The set might operate abnormally if you select a non-standard video format.
- Separate and Composite modes are supported. SOG (Sync On Green) is not supported.

Video Codec

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec	
*.avi	AVI MKV ASF MP4 3GP VRO VOB PS TS WebM	DIVX 3.11/4.x/5.x/6.1	1920 x 1080	6 - 30	30	AC3 LPCM ADMPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) DTS Core Vorbis	
*.mkv		MPEG4 SP/ASP					
*.asf		H.264 BP/MP/HP					
*.wmv			Motion JPEG		640 x 480		8
*.mp4			Window Media Video v9		1920 x 1080		30
*.3gp			MPEG2				
*.vro			MPEG1				
*.mpg			VP8				
*.mpeg			VP6				
*.ts							
*.tp							
*.trp							
*.m2ts							
*.mts							
*.webm							
*.divx							

Other Restriction

- ✎ Video content will not play, or not play correctly, if there is an error in the content or the container.
- ✎ Sound or video may not work if the contents have a standard bit rate/frame rate above the compatible Frame/sec listed in the table above.
- ✎ If the Index Table is in error, the Seek (Jump) function is not supported.
- ✎ When you play video over a network connection, the video may not be played smoothly.
- ✎ The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- ✎ Some USB/digital camera devices may not be compatible with the player.

Video decoder

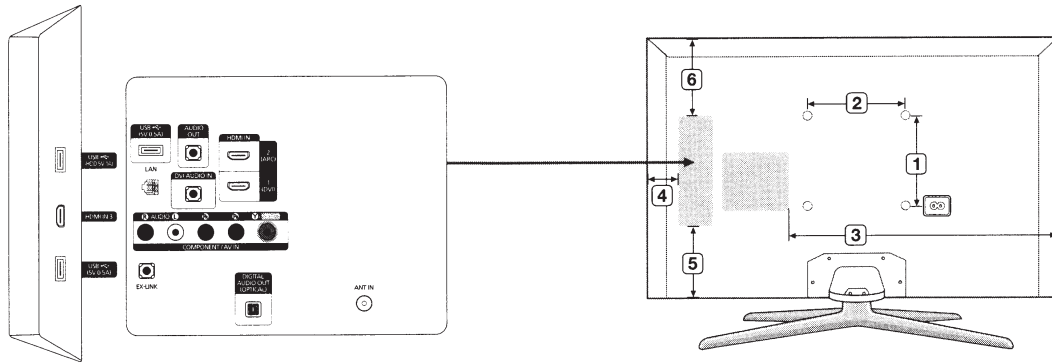
- Supports up to H.264, Level 4.1.
- H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.
- For all Video codecs except MVC, VP8, VP6:
 - Below 1280 x 720: 60 frame max
 - Above 1280 x 720: 30 frame max
 - GMC is not supported.
- Supports only SVAF Top/Bottom and Side by Side.
- Supports only BD MVC Spec.

Audio decoder

- WMA 9, 10 Pro supports up to 5.1 channel and M2 profile (except LBR mode of M0).
- WMA lossless audio is not supported.
- If Vorbis is only in Webm container, supports up to 2 channel.

Dimensions

■ Jack panel detail / Rear view



(Unit: inches)

Model name	①	②	③	④	⑤	⑥
UN40ES6500						
UN40ES6550	7.8	7.8	24.2	2.0	6.1	4.2
UN40ES6580						
UN46ES6500						
UN46ES6550	15.7	15.7	29.9	2.1	7.6	5.7
UN46ES6580						
UN55ES6500						
UN55ES6550	15.7	15.7	36.2	2.8	8.0	9.4
UN55ES6580						
UN60ES6500	15.7	15.7	38.6	5.1	9.0	11.1

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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Contact SAMSUNG WORLDWIDE

If you have any questions or comments about Your Samsung TV, please contact the SAMSUNG customer care center.

Country	Customer Care Center ☎	Web Site	Address
CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660





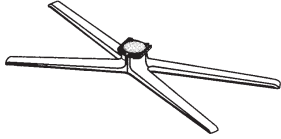
Assemble Stand before removing TV from shipping box

Installing the TV Stand

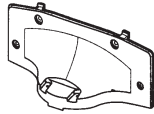
Components

When installing the stand, use the provided components and parts.

1 EA



1 EA



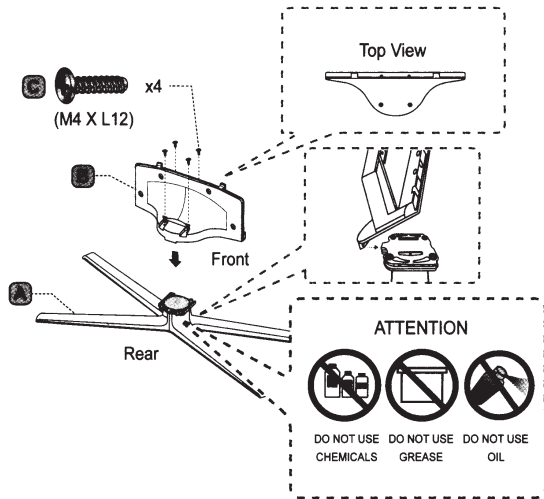
x8 (M4 X L12)

Stand (depending on the model)

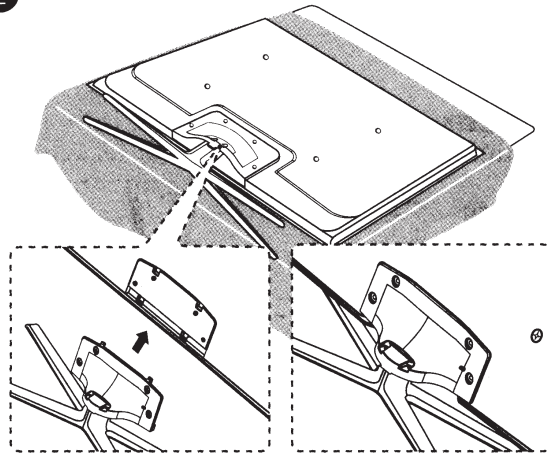
Guide Stand

Screws

1



2



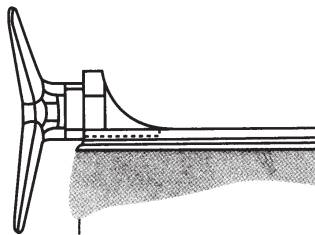
Place a soft cloth over the table to protect the TV, and then place the TV on the cloth screen side down.

Insert the Stand Guide into the slot of TV bottom side.

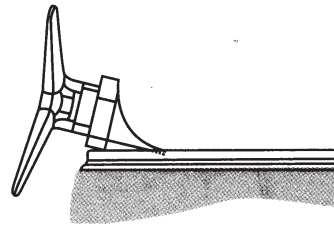
3

Side View

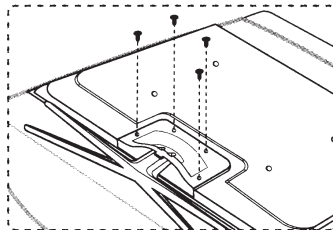
(Correct assembly)



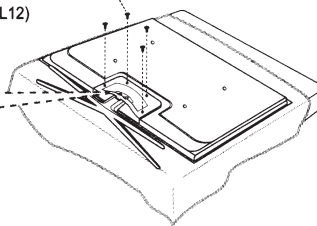
(Incorrect assembly)



4



x4 (M4 X L12)



Caution



- > Make sure to distinguish between the front and back of each component when assembling them.
- > Make sure that at least two persons lift and move the TV.



BN68-04186A-00



BN68-04186A-00

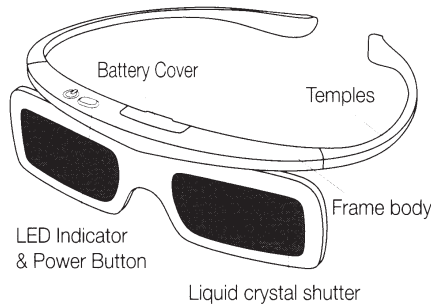
User's Guide

Features

The SSG-3050 GB 3D glasses enable you to view 3D images. To view 3D images, you need both a pair of the 3D glasses and a 2011 Samsung 3D TV. The SSG-3050GB glasses communicate with Samsung 3D TVs via the 2.4GHz RF band.

- The Samsung 3D glasses cannot connect to a non-Samsung wireless communication device.
- The Samsung 3D glasses can only connect to a Samsung 3D TV released in 2011 or after.

Parts



Components

3D Active glasses
(Frame body, Temples)

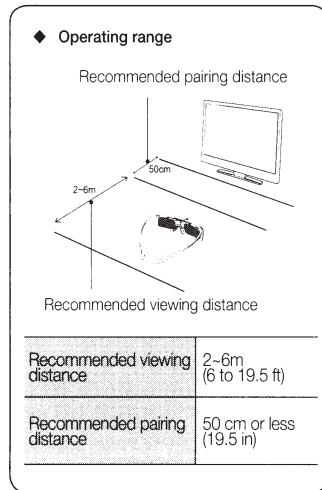
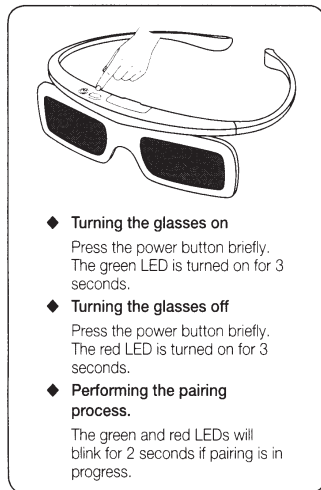
Button Battery
(CR2025)

Temples

* For information on how to attach the arms of the glasses and how to wear the glasses for those who already wear glasses, refer to page 11.

Pairing 3D Active Glasses

- What is Pairing?** Pairing is a process of connecting 3D glasses and a 3D TV so that the two devices can exchange data.
- Ensure your Samsung TV and 3D glasses are no farther than 19.5 in (50 cm) apart from each another while pairing is in progress.



- The working distance depends on obstacles (a person, metal, walls, etc.) or electromagnetic waves.
- Turn off the 3D glasses while they are not in use. If you leave the 3D glasses on, the battery lifespan decreases.

◆ Pairing steps

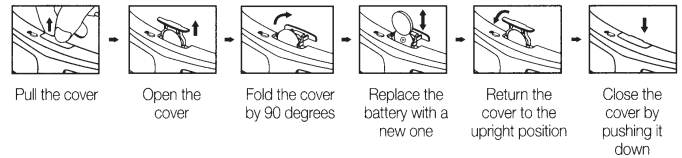
- Turn on the TV, and then move the glasses within 19.5 inches of the TV.
- Press the power button on the 3D glasses briefly. The 3D glasses will power on and pairing will start.
- The message "3D glasses are connected to TV." will be displayed on the TV screen when the pairing is successfully completed.
 - If the pairing failed, the 3D glasses will power off.
 - If the first attempt to pair fails, power the TV off and on again and perform step 2.
 - How to pair again:** Press the power button on the 3D glasses for more than 2 seconds.

<Pairing is needed again in the following situations:>

- If the 3D glasses do not function even when the power button is pressed on the 3D TV after repair.
- If you want to view a 3D video on a different Samsung 3D TV released in 2011.

◆ Replacing the Batteries

If the red LED blinks every two seconds continually, replace the batteries with new ones.



- Please insert the battery in the same direction as indicated.

◆ Viewing guidelines

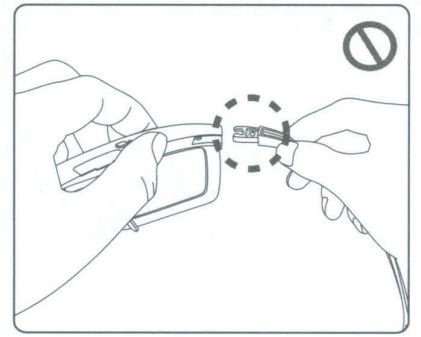
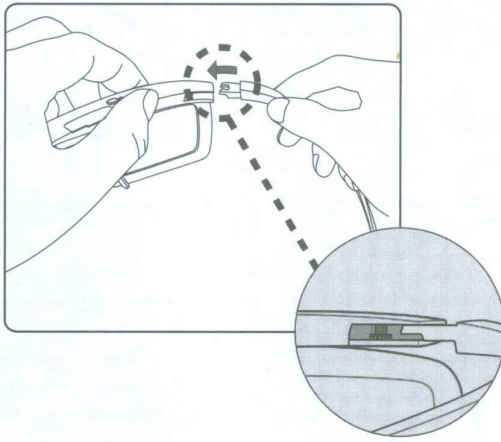
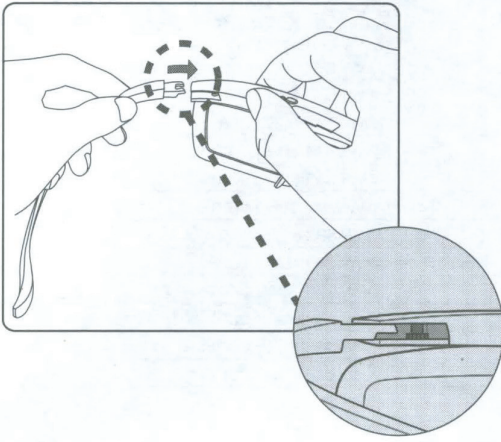
- When viewing a 3D video under a fluorescent lamp (50 Hz – 60 Hz) or 3-wavelength lamp, you may notice a small amount of screen flickering.
 - If this occurs, dim or turn off the light.
- Switching the input mode while watching a 3D movie may disable the 3D function on the TV. As a result, the 3D glasses may not function and the movie may not be displayed properly.
- If the 3D glasses are moved outside of their working distance, the signal from the TV will disconnect and the glasses' 3D function will turn off after several seconds. The 3D glasses will power off 30 seconds after the 3D function turns off. When this happens, the red LED will turn on for 3 seconds.
 - Under some circumstances, the 3D glasses may malfunction due to interference from other devices.
- Ensure you are within the working distance of the glasses when you view a 3D video.
 - The images may not be viewable in 3D if you move outside of the working distance for 3 seconds.
- If you lie on your side while watching TV with 3D active glasses, the picture may appear dark or may not be visible.
- The 3D glasses may not work properly due to interference from other 3D products or electronic devices that operate on the 2.4GHz frequency such as a microwave oven or Internet AP. If the 3D function malfunctions due to interference, please move all other electronic or wireless communication devices as far away from the glasses and the TV as possible.
- The 3D effect may be experienced differently depending on the viewer. You may not notice the 3D effect at all if you wear glasses and have an unusual prescription.
- If a part of the 3D glasses or lenses is defective or damaged, it cannot be repaired and the glasses should be replaced. If the glasses stop working within the warranty period, the glasses can be repaired or replaced for free. If the glasses have been damaged due to the fault of the customer or the warranty period has expired, a new pair of glasses will have to be purchased.

CAUTION

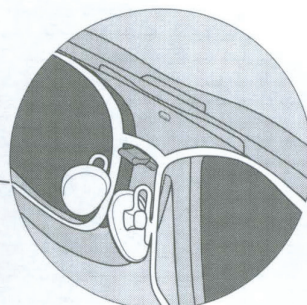
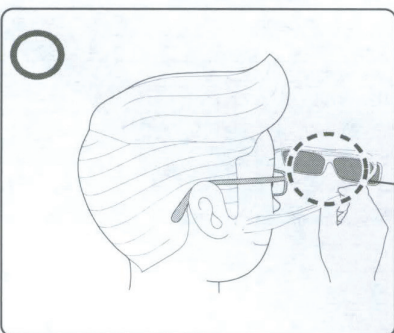
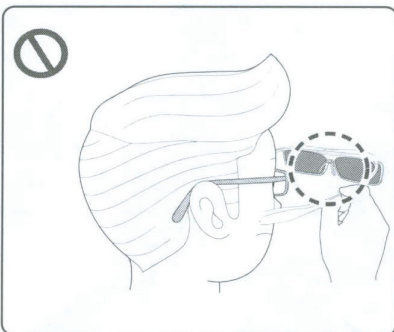
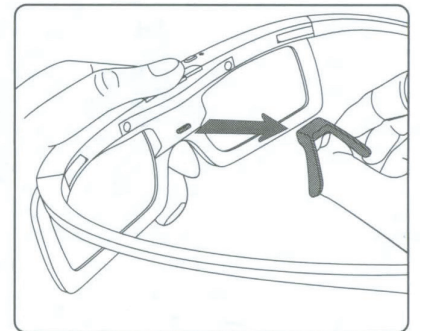
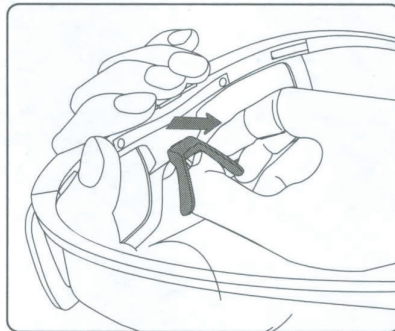
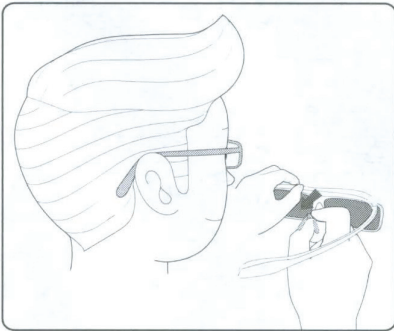
IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D IMAGES. READ THE FOLLOWING CAUTIONS BEFORE YOU OR YOUR CHILD USE THE 3D FUNCTION.

- Adults should frequently check on children who are using the 3D function. If there are any complaints of tired eyes, headaches, dizziness or nausea, stop the child from viewing the 3D TV and ensure that they rest.
- Do not use the 3D glasses for other purposes such as general wear, sunglasses, protective goggles, etc.
- Some viewers may experience discomfort such as dizziness, nausea and headaches while viewing 3D TV. If you experience any of these symptoms, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Watching 3D pictures for an extended period of time may cause eye strain. If you experience any eye strain, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Do not use the 3D function or 3D glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may result in injury from running into objects, tripping, and/or falling.

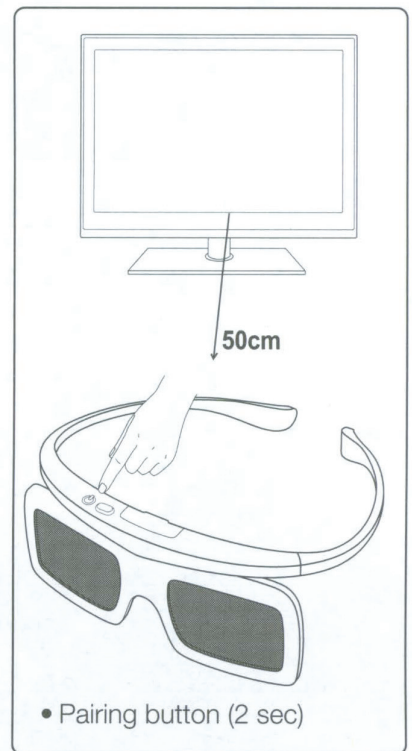
• Attaching the temples



• Detaching the nose pad for people who wear glasses



◆ Pairing



SAFETY PRECAUTIONS

The following safety instructions are to ensure your personal safety and prevent property damage. Please read them to ensure the proper use of the product.

- Do not place the product in a location exposed to direct sunlight, heat, fire or water. This may result in a product malfunction or fire.
- Do not apply force to the lenses of the 3D glasses. Do not drop or bend the product. This may result in a product malfunction.
- Use only the specified standard batteries. When replacing the battery, insert the battery so that its polarity (+, -) is correct. Failing to do so may damage the battery or result in fire, personal injury or environmental damage caused by liquid leaking from the battery.
- Keep the used battery out of the reach of children so that they do not accidentally swallow the battery. If your child has swallowed the battery, consult your doctor immediately.
- When cleaning the product, do not spray water or cleaner directly onto the surface of the product. Spraying water or cleaner directly onto the glasses may result in fire or electric shock, damage to the product's surface, or cause the indicator labels on the product's surface to come loose.
- Do not use chemicals containing alcohol, solvents, or surfactants, or chemicals such as wax, benzene, thinner, mosquito repellent, lubricant or cleaners. These may cause a discoloration of or cracks in the product surface and cause the indicator labels on the product's surface to come loose.
- Since the product surface and lens are easily scratched, make sure to use a clean soft cloth (the cleaning cloth supplied with the product, a cloth consisting of superfine fibers or cotton flannel) when cleaning to avoid scratching either the surface or the lens. As the product may become scratched if there are any foreign items on the cloth, make sure to shake off any dust before using it.
- Never disassemble, repair, or modify the 3D glasses yourself. Do not use the glasses when they are out of order or broken.
- Take care that you do not injure your eyes with the edges of the frame of the 3D glasses when wearing them.
- Make sure to use only 3D glasses that are authorized and supplied by Samsung Electronics.

Troubleshooting

If you encounter...	Try this...
My 3D glasses do not work.	<ul style="list-style-type: none"> Replace the battery. The 3D glasses should be close to the TV. Make sure that the distance between the TV and your 3D glasses is less than 19.68 feet (6m) in a straight line. Check the 3D function settings of your TV.
The LED keeps blinking	<ul style="list-style-type: none"> The battery is dead. Replace the battery.

Specifications (Model Number: SSG-3050GB)

Optics	Shutters	Liquid crystal	Transmittance	35±2%
	Recommended viewing distance	2-6m (6.5 to 19.68 ft)	Field Rate	120 fields/s
Weight	Glasses	30.5g (including the battery: 33g)		
Power	Glasses	One 3V lithium/manganese dioxide battery 3V(CR2025)		
Power Consumption	Glasses	0.95mA (Average)		
	Battery	Type	165mAh, 3.0V (CR2025)	
Operating time when On		150hours		
Operating Conditions	Operating Temperature	32 °F - 104 °F (0°C - 40°C)		
	Custody Temperature	-4 °F - 140 °F (-20°C - 60°C)		

Product specifications may be changed without notice in order to enhance product performance.

The continuous operating time may differ depending on the wireless communication environment and usage conditions.

WARRANTY

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should first return the product to the retailer from whom it was purchased. However, Samsung Authorized Service Centres will comply with this warranty during the Warranty Period. To obtain details, please contact your nearest Authorized Service Centre.

PROCEDURE FOR MAKING A WARRANTY CLAIM

To make a claim under the warranty, you must contact the Samsung Contact Centre (see details above) during the Warranty Period to discuss the problems you are having with the product. If a repair or replacement is required, you will be provided with a Warranty Claim Number and address of an Authorised Service Centre. If you are provided with a Warranty Claim Number, to obtain a repair or replacement of the product, you must send the product to the Authorised Service Centre advised together with:

- a copy of your completed warranty card or, if you have already provided this to Samsung, your name, address and contact telephone number;
 - your original receipt, invoice or sales slip for the purchase of the product as new;
 - your Warranty Claim Number.
- Samsung will then repair or replace the product and return it to you using the contact details provided.

WARRANTY CONDITIONS

- The warranty is only valid if the above procedure for making a warranty claim is followed.
- Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
- Warranty repairs must be carried out by Samsung Authorised Service Centres. No re-imbursment will be made for repairs carried out by service centres or dealers that are not authorised by Samsung and any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
- This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbursment will be made for such adaptation, nor any damage which may result.
- The warranty does not apply to any product that has been damaged or rendered defective as a result of any of the following excluded reasons, namely:
 - as a result of accident, misuse, or abuse;
 - through the failure to use this product for its normal purposes;
 - by the use of parts not manufactured or sold by Samsung;
 - by modification without the written permission of Samsung;
 - by damage resulting from transit, neglect, power surge or failure;
 - by damage resulting from lightning, water, fire, or acts of God;
 - as a result of normal wear and tear; or
 - difference in broadcasting methods or product standards between countries.
- This warranty is valid for any person who legally acquired possession of the product during the warranty period.
- NOTHING IN THESE WARRANTY CONDITIONS SHALL EXCLUDE OR LIMIT SAMSUNG'S LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY THE PROVEN NEGLIGENCE OF SAMSUNG, UNLESS SUCH LIMITATION OR EXCLUSION IS PERMITTED BY APPLICABLE LAW.
- WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG SHALL NOT BE LIABLE FOR: ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES LOSSES OR EXPENSES; OR LOST PROFITS; OR LOSS OF USE OR LOSS OF DATA; OR DAMAGE TO GOODWILL, REPUTATION OR LOST BUSINESS, ARISING DIRECTLY OR INDIRECTLY, FROM THE PURCHASE, USE OR SALE OF THE PRODUCT, WHETHER OR NOT SAMSUNG WAS ADVISED OR AWARE OF THE POSSIBILITY OF SUCH DAMAGES, LOSSES OR EXPENSES.
- WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG'S LIABILITY UNDER OR IN CONNECTION WITH THIS WARRANTY OR THE PURCHASE, USE OR SALE OF THE PRODUCT SHALL NOT EXCEED THE PRICE PAID FOR THE PRODUCT AS NEW.
- UNLESS PROVIDED FOR IN THIS WARRANTY, ALL CONDITIONS, WARRANTIES AND TERMS IMPLIED BY STATUTE OR OTHERWISE ARE HEREBY EXCLUDED TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW.
- The above warranty conditions do not affect your statutory rights as a consumer or otherwise.

Regulatory Compliance Statements

◆NCC Taiwan

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

◆FCC COMPLIANCE

Federal Communication Commission Interference Statement

- 1) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 2) NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

◆IC Statement

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

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Italian Homologation Notice

Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548 ed in particolare a quanto specificato nell'Art.2, comma 1.

Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548 Art.2, comma 1 ed al D.M.26.03.92 Art.1

– For products produced in countries except European Community
Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548 ed in particolare a quanto specificato nell'Art.2, comma 1.

– For products produced in European Community
Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548 Art.2, comma 1 ed al D.M.26.03.92 Art.1



Contact SAMSUNG WORLD WIDE

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

Region	Contact Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864) www.samsung.com www.samsung.com/ca_fr (French)
	MEXICO	01-800-SAMSUNG(726-7864) www.samsung.com
	U.S.A	1-800-SAMSUNG(726-7864) www.samsung.com
Latin America	ARGENTINE	0800-333-3733 www.samsung.com
	BRAZIL	0800-124-421, 4004-0000 www.samsung.com
	CHILE	800-SAMSUNG(726-7864), From mobile 02-482 82 00 www.samsung.com
	BOLIVIA	800-10-7260 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	800-27919267 www.samsung.com
	JAMAICA	1-800-234-7267 www.samsung.com
	NICARAGUA	00-1800-5077267 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	
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
	MONGOLIA	
	UKRAINE	0-800-502-000 www.samsung.com/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 www.samsung.com
	HONG KONG	(852) 3698 4698 www.samsung.com/hk www.samsung.com/hk_en/
	INDIA	1800 1100 11, 3030 8282, 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) for PLDT 1-800-3-SAMSUNG(726-7864) for Digitel 1-800-8-SAMSUNG(726-7864) for Globe 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 0266-026-066 www.samsung.com
	VIETNAM	1 800 588 889 www.samsung.com
Middle East	U.A.E	800-SAMSUNG (726-7864) www.samsung.com www.samservice.com
	OMAN	800-SAMSUNG(726-7864) www.samsung.com
	KUWAIT	183-2255 www.samsung.com
	BAHRAIN	8000-4726 www.samsung.com
	EGYPT	08000-726786 www.samsung.com
	JORDAN	800-22273 www.samsung.com
	IRAN	021-8255 www.samsung.com
	MOROCCO	080 100 2255 www.samsung.com
Africa	SAUDI ARABIA	9200-21230 www.samsung.com
	TURKEY	444 77 11 www.samsung.com
	NIGERIA	0800-726-7864 www.samsung.com
	GHANA	0800-10077 0302-200077 www.samsung.com
	COTE D'IVOIRE	8000 0077 www.samsung.com
	SENEGAL	800-00-0077 www.samsung.com
	CAMEROON	7095-0077 www.samsung.com
	KENYA	0800 724 000 www.samsung.com
	UGANDA	0800 300 300 www.samsung.com
	TANZANIA	0685 88 99 00 www.samsung.com
SOUTH AFRICA	0860-SAMSUNG(726-7864) www.samsung.com	





**DO NOT RETURN
TO STORE**

For any problem

Search helpful video

samsung.com/spsn

Chat

samsung.com/support

Call Samsung Support

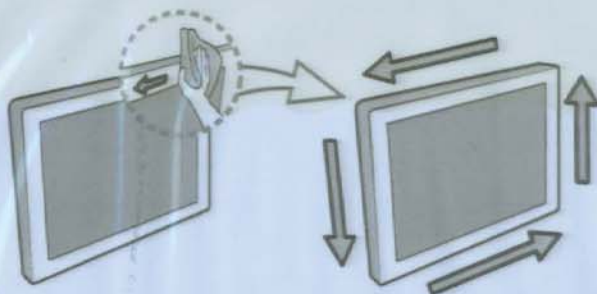
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BN68-03608A-07



한국어

본 제품의 외관 면은 고품택 고급 사양으로 긁힘에 약하므로 설치시 주의하세요. 청소 전 전용 천의 먼지를 충분히 털어 주세요. 전면 캐비닛은 반드시 제공된 전용 천에 분무기를 이용하여 물을 4~6회 분사한 후, 한 방향으로 천천히 닦아 주세요. 닦았을때 물기가 많으면 얼룩이 생길 수 있습니다. 세척제로는 꼭 물만 사용해주세요.



English

This product is high glossy, Please be careful of surface scratch while installation.

Make sure to brush off the dirt on the provided cloth before cleaning the cabinet. For cleaning the front cabinet, make sure you use only the provided cloth on which to spray water 4 to 6 times before wiping it out softly in one direction. After cleaning, wipe the cabinet to remove any moisture. **Only use water as a cleansing solution.**



Français

Ce produit est recouvert d'une couche de brillant vulnérable aux rayures ; il convient, par conséquent, de rester vigilant durant l'installation.

Veillez à enlever la saleté à l'aide du chiffon fourni avant de nettoyer le châssis. Pour nettoyer le meuble avant, assurez-vous de n'utiliser que le chiffon fourni. A pulvériser l'eau 4 à 6 fois puis nettoyez en frottant dans une seule direction. Après le nettoyage, essuyez le châssis pour enlever l'humidité.

N'utilisez que de l'eau comme produit de nettoyage.



Deutsch

Dieses Produkt hat eine hochglänzende Oberfläche, die sehr leicht zerkratzt werden kann, weshalb während der Montage besondere Vorsicht geboten ist.

Vergewissern Sie sich, dass das mitgelieferte Tuch sauber ist, bevor Sie es zum Reinigen des Gehäuses verwenden. Zum Reinigen der Vorderseite verwenden Sie bitte nur das mitgelieferte Tuch, auf das Sie 4 bis 6 Spritzer Wasser auftragen. Wischen Sie dann in eine Richtung vorsichtig über die Fläche. Wischen Sie das Gehäuse nach dem Reinigen trocken. **Verwenden Sie nur Wasser als Reinigungsmittel.**



Italiano

Il prodotto è molto lucido sulla superficie, che si può graffiare facilmente; occorre fare attenzione durante l'installazione.

Prima di effettuare la pulizia del telaio, assicurarsi che il panno appositamente fornito sia pulito. Per pulire la parte anteriore del cabinet, assicurarsi di utilizzare solo il panno fornito, che dovrà essere spruzzato d'acqua 4 o 6 volte prima di strofinarlo delicatamente in un'unica direzione. Dopo la pulizia, asciugare il telaio per rimuovere ogni traccia di umidità. **Come sostanza pulente, utilizzare solo acqua.**



Español

Este producto tiene un revestimiento muy brillante en la superficie vulnerable a arañazos; tenga mucho cuidado durante la instalación.

Elimine la suciedad del paño suministrado antes de limpiar la caja. Para limpiar la caja frontal, asegúrese de que utiliza únicamente un paño y de que lo rocía entre 4 y 6 veces antes de pasarlo suavemente en una dirección. Después de limpiar la caja, séquela cuidadosamente para eliminar la humedad. **Limpie únicamente con agua.**



Português

Este produto possui um acabamento brilhante na superfície particularmente sujeito a riscos; devem ser tomadas as devidas precauções durante a instalação.

Sacuda o pó do pano fornecido antes de limpar a caixa. Para proceder à limpeza da parte frontal, certifique-se de que utiliza apenas o pano fornecido, ligeiramente humedecido, limpando suavemente numa única direcção. Depois da limpeza, passe um pano seco sobre a caixa do aparelho para remover a humidade.

Utilize apenas água como solução de limpeza.



Polski

Ten produkt ma powierzchnię lakierowaną o wysokim połysku, która jest bardzo podatna na zarysowania, dlatego należy uważać podczas montażu.

Przed przystąpieniem do czyszczenia obudowy należy strząść brud z dołączonej szmatki. Do czyszczenia przedniej części należy używać wyłącznie załączonej szmatki, którą należy spryskać 4-6 razy wodą, a następnie przecierać powierzchnię w jednym kierunku. Po zakończeniu czyszczenia wytrzeć obudowę na sucho.

Jedynym odpowiednim środkiem czyszczącym jest woda.



Русский

Поверхность этого устройства с глянцевым покрытием легко поцарапать; соблюдайте осторожность во время установки.

Перед очисткой корпуса, сотрите с него пыль с помощью прилагаемой ткани. При чистке передней стороны корпуса используйте только прилагаемую ткань, предварительно увлажнив ее 4-6 раз распылителем влаги. Затем без лишних усилий вытирайте движениями в одном направлении. После чистки вытрите корпус до полного удаления влаги.

Используйте для чистки только воду.



Türkçe

Ürünün cilalanmış olan yüzeyi çizilmelere karşı hassastır; dolayısıyla kurulum esnasında dikkatli olunmalıdır.

Dolabı temizlemeden önce, ürünü birlikte sağlanan bezin fırça ile temizlediğinden emin olun. Ön kabini temizlemek için yalnızca birlikte gelen kumaşı kullanın ve kumaşa 4 ila 6 kez su püskürttükten sonra tek yönlü olarak nazikçe silin. Temizledikten sonra, nemden arındırmak için dolabı silin.

Temizleme çözültisi olarak yalnızca su kullanın.



中文

该产品为高光产品，安装时必须小心以避免划伤表面。

清洁机壳前，请确保掸去随附的布片上的灰尘。清洁机壳时，请确保您只使用随附的布片，先在布片上喷水4到6次，然后沿着同一方向轻轻擦拭。清洁完成后，请彻底擦掉机壳上的水份。只能使用水作为清洁溶液。



BN63-02368B-00

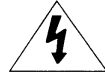
Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

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



This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
 - Do not cover the slots and openings with a cloth or other materials.
 - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
 - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
 - Install the product keeping the specified distance from the wall (see the information below.)
 - * DLP TVs, Direct View Type TVs, and Projectors → 10cm
 - * Products with 32" or larger displays → 5cm
 - * Other products → 4cm
- Do not place this apparatus near or over a radiator or heat resistor, or where it is exposed to direct sunlight.
- Do not place a water containing vessel (vases etc.) on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately. Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corresponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet. Do not touch the power cord with wet hands.
- If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it
 - unplug it immediately and contact an authorized dealer or service center.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
 - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc. Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
 - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- 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.
- Do not allow children to hang onto the product.
- Store the accessories (battery, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky shelf, a slanted floor or a location exposed to vibration.
- Do not drop or impart any shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Apparatus shall not be exposed to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**



Avertissement! Consignes de sécurité importantes

(Avant toute installation de votre produit Samsung, veuillez lire les sections correspondant aux inscriptions qui figurent sur ce produit.)

ATTENTION

RISQUE D'ÉLECTROCUTION NE PAS OUVRIR

ATTENTION: POUR RÉDUIRE LES RISQUES D'ÉLECTROCUTION, NE RETIREZ PAS LE CAPOT (NI LE PANNEAU ARRIÈRE) À L'INTÉRIEUR DE L'APPAREIL. AUCUNE PIÈCE NE PEUT ÊTRE RÉPARÉE PAR L'UTILISATEUR. POUR TOUT DÉPANNAGE, ADRESSEZ-VOUS À UN SPÉCIALISTE.



Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.



Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier. Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
 - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
 - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
 - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
 - Installez le produit en maintenant une distance correcte avec le mur (voir informations ci-dessous).
 - * Téléviseurs DLP, téléviseurs de type Direct View et projecteurs → 10 cm
 - * Appareils dotés d'un écran 32" ou plus → 5 cm
 - * Autres produits → 4 cm
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez aucun récipient (vases, etc.) d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'appareil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé. Assurez-vous que le cordon d'alimentation est débranché avant de nettoyer le produit.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées. Veuillez donc contacter les autorités compétentes afin d'obtenir des informations sur la mise au rebut ou le recyclage des piles.
- Évitez de surcharger les prises murales, les rallonges et les prises multiples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince. Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câble. Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil, vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil. Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de bien brancher le cordon d'alimentation. Assurez-vous de bien tenir la prise en main lorsque vous la débranchez. Ne touchez en aucune circonstance le cordon d'alimentation avec les mains mouillées.
- Si l'appareil ne fonctionne pas normalement, en particulier s'il émet des odeurs ou des sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit rester inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seuls à votre domicile).
 - L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.
- Veillez à contacter un centre de services homologué lorsque vous installez votre téléviseur dans un endroit très poussiéreux, humide, exposé à des températures élevées ou faibles ou à des produits chimiques, ou s'il fonctionne sans interruption, par exemple dans les aéroports, les gares, etc. Si vous ne le faites pas, vous risquez d'endommager gravement votre téléviseur.
- Utiliser uniquement des prises correctement reliées à la terre.
 - Un sol inadéquat peut causer un choc électrique ou un incendie. (Appareils de CLASSE I uniquement.)
- Pour déconnecter l'appareil du secteur, la prise doit être débranchée de la prise électrique du secteur. Par conséquent, la prise du secteur doit être en état de marche.
- Utiliser uniquement des prises correctement reliées à la terre.
- Rangez les accessoires (batterie, etc.) dans un endroit sûr, hors de la portée des enfants.
- N'installez pas le produit sur une surface instable telle qu'une étagère chancelante, un sol non horizontal ou un endroit soumis à des vibrations.
- Ne faites ni tomber, ni subir de choc au produit. Si le produit est endommagé, déconnectez le cordon d'alimentation et contactez un centre de services.
- Débranchez le cordon d'alimentation de la prise secteur et essayez le produit à l'aide d'un chiffon doux et sec. N'utilisez pas de produit chimiqe, tels que de la cire, du benzène, de l'alcool, du diluant, de l'insecticide, du désodorisant, du lubrifiant ou du détergent. Cela peut endommager l'aspect ou effacer l'impression sur l'appareil.
- L'appareil ne doit pas être exposé à l'humidité ni aux éclaboussures.
- Ne jetez pas les batteries au feu.
- Ne court-circuitez pas ni ne désassemblez les batteries et ne les soumettez pas à une chaleur excessive.
- Un risque d'explosion survient si la batterie est remplacée de manière incorrecte. Ne la remplacez qu'avec une batterie du même type.
- **AVERTISSEMENT - POUR ÉVITER TOUT RISQUE D'INCENDIE, VEILLEZ À GARDER CE PRODUIT LOIN DE BOUGIES OU D'AUTRES SOURCES DE FEU.**



Advertencia! Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL PELIGRO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL INTERIOR QUE PUEDA REPARAR EL USUARIO. CONSULTE AL PERSONAL CALIFICADO DE SERVICIO TÉCNICO.



Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.



Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria. Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
 - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
 - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
 - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
 - Instale el producto conservando la distancia especificada respecto a la pared (vea la información siguiente).
 - * Televisores DLP, televisores tipo visualización directa y proyectores → 10 cm
 - * Aparatos con una pantalla de 32" o mayor → 5 cm
 - * Otros productos → 4 cm
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque recipientes con agua sobre este aparato (jarras, etc.), ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar). Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un técnico autorizado. Antes de limpiar el producto desconecte el cable de alimentación de la toma de corriente.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales.
 - Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico calificado debe abrir el alojamiento del aparato.
- Cuando conecte el cable de alimentación compruebe que el enchufe esté firmemente insertado. Para desenchufar el cable de alimentación, sujételo por el enchufe y tire de éste para sacarlo de la toma de corriente. Nunca toque el cable de alimentación con las manos mojadas.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo periodo de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
 - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.
- Póngase en contacto con un centro de servicio técnico autorizado cuando instale el aparato en un lugar expuesto a gran cantidad de polvo, temperaturas extremas, alto nivel de humedad y productos químicos, y en lugares donde se vaya a utilizar las 24 horas del día, como aeropuertos, estaciones, etc. El incumplimiento de estas indicaciones puede causar serios desperfectos en el aparato.
- Cuando instale el equipo, procure guardar una distancia de más de 10 cm desde la pared para facilitar la ventilación.
- Use solamente conectores y receptáculos apropiados para hacer la conexión a tierra.
 - Una conexión a tierra inapropiada podría causar una descarga eléctrica o una avería en el equipo. (Sólo equipo de Clase I.)
- Para desconectar el aparato de la corriente, debe desenchufar el cable de la toma principal, por lo que el enchufe principal debe estar siempre fácilmente accesible.
- No permita que los niños jueguen con el producto.
- Guarde los accesorios (pilas, etc.) en un lugar seguro fuera del alcance de los niños.
- No coloque el producto en un lugar inestable, inclinado o expuesto a vibraciones.
- No lo deje caer ni le dé golpes. Si el producto se estropea, desenchufe el cable de alimentación y póngase en contacto con un centro de servicio.
- Desconecte el cable de alimentación de la toma de corriente y seque el aparato con un paño suave y seco. No utilice ningún producto químico como cera, benzol, alcohol, disolventes, insecticida, ambientador de aire, lubricante o detergente. Se puede dañar el aspecto o borrar las estampaciones del producto.
- Evite que cualquier líquido salpique el aparato o gotee sobre él.
- No tire las pilas al fuego.
- No cortocircuite, desmonte ni sobrecaliente las pilas.
- Si la pila no se coloca correctamente se corre el riesgo de una explosión. Reemplace la pila sólo por una igual o de especificaciones equivalentes.
- **ADVERTENCIA - PARA IMPEDIR QUE EL FUEGO SE PROPAGUE, MANTENGA LAS VELAS U OTRAS LLAMAS EXPUESTAS SIEMPRE ALEJADAS DE ESTE PRODUCTO.**



Aviso! Instruções de segurança importantes

(Leia a secção adequada que corresponde à marca no produto Samsung antes de tentar instalar o produto.)

ATENÇÃO

RISCO DE CHOQUE ELÉCTRICO NÃO ABRA

CUIDADO: PARA REDUZIR O RISCO DE CHOQUE ELÉCTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASEIRA) NO INTERIOR DO TELEVISOR NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELO UTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TÉCNICOS QUALIFICADOS.



Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.



Este símbolo informa-o de que este produto inclui literatura importante sobre o respectivo funcionamento e manutenção.

- As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
 - Não tape as ranhuras e aberturas com panos ou outros materiais.
 - Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
 - Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
 - Instale o produto, mantendo a distância da parede especificada (consulte as informações abaixo).
 - * Televisores DLP, Televisores do Tipo Direct View e Projectores → 10 cm
 - * Produtos com visores de 32 polegadas ou maiores → 5 cm
 - * Outros produtos → 4 cm
- Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
- Não coloque recipientes com água em cima do aparelho (jarras etc.), porque pode provocar um incêndio ou choque eléctrico.
- Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade). Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado. Retire sempre o cabo de alimentação da tomada antes de limpar o produto.
- Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
- Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
- Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
- Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo.
 - Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
- Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
- Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
- Para evitar choques eléctricos, nunca toque no interior do aparelho. A caixa do aparelho só deve ser aberta por técnicos qualificados.
- Introduza o cabo de alimentação completamente até ao fim. Quando retirar o cabo de alimentação, certifique-se de que o segura pela ficha quando puxar a mesma da tomada. Não toque no cabo de alimentação com as mãos molhadas.
- Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares - desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
- Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
 - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.
- Contacte um centro autorizado de assistência técnica quando instalar o produto em locais sujeitos a poeiras excessivas, locais sujeitos a temperaturas altas ou baixas, locais com muita humidade, locais onde se utilizem substâncias químicas e locais onde o monitor esteja a funcionar 24 horas por dia como em aeroportos, estações de comboio, etc. Se não o fizer, pode provocar sérios danos no produto.
- Utilize uma ficha e uma tomada devidamente ligadas à terra.
 - Uma ligação de terra deficiente pode causar choque eléctrico ou danos no equipamento. (Só equipamento de classe I.)
- Deve puxar a ficha da tomada para desligar o aparelho da corrente, de forma a deixar a ficha pronta a ser utilizada.
- Não deixe as crianças mexer no produto.
- Guarde os acessórios (bateria, etc.) num local seguro fora do alcance das crianças.
- Não instale o produto num local instável, como uma prateleira inclinada, um chão desnivelado ou um local exposto à vibração.
- Não deixe cair ou provoque qualquer embate no produto. Se o produto estiver danificado, desligue o cabo de alimentação e contacte um centro de assistência.
- Desligue o cabo de alimentação da tomada e utilize um pano seco e macio para limpar o produto. Não utilize quaisquer produtos químicos como cera, benzina, álcool, diluentes, insecticida, ambientador, lubrificante ou detergente. Tal pode danificar o aspecto do produto ou eliminar a impressão do mesmo.
- Não deixe cair gotas ou salpicos em cima do aparelho.
- Não destrua as pilhas através de fogo.
- Não provoque curto-circuito, nem desfaça ou sobreaqueça as pilhas.
- Existe perigo de explosão se a pilha for substituída incorrectamente. Substitua-a apenas pelo mesmo tipo de pilha ou por uma equivalente.
- **AVISO - PARA EVITAR O ALASTRAR DE UM INCÊNDIO, MANTENHA SEMPRE AS VELAS OU OUTRO TIPO DE CHAMA LONGE DESTA PRODUTO.**



- Português -

Regulatory Compliance Statements

Your Samsung product compliance class is marked in the user manual.

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Korea Communications Commission (KCC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

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

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

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product. Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating. For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap. This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules. (TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

Important Safety Instructions (UL Only)

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクラスA情報技術装置です。
この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。
この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクラスB情報技術装置です。
この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

CCC Class A notice - China

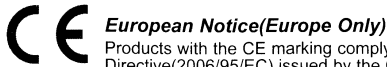
此为A级产品，在生活环境中，该产品可能会造成无线电干扰。
在这种情况下，可能需要用户对其它干扰采取切实可行的措施。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者：

這是甲類資訊類產品，在居住環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive(2004/108/EC) and the Low Voltage Directive(2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning

(If the user manual declares the product as Class A, following statement applies.)

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

업무용 방송통신기기 A급기기 (KCC Class A Notice)

이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

가정용 방송통신기기 B급기기 (KCC Class B Notice)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Italian Homologation Notice

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell'Art.2, comma 1.

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

- For products produced in countries except European Community

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell'Art.2, comma 1.

- For products produced in European Community

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

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



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

• Ventilation

Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting and installation.

• ENERGYSTAR qualified model only

- Your Samsung TV is ENERGYSTAR qualified in its factory default settings. Change to certain features, settings and functionality in this TV can change the power consumption, possibly beyond the limits required for ENERGYSTAR qualification.
- As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.



Mercury Statement (USA only)

Contains Mercury, Dispose According to Local, State or Federal Laws



AA68-03242L-07

SAMSUNG BRAND PRODUCTS

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of: **(90 Days Parts and Labor for Commercial Use)**

Categories	Parts	Labor	Size	Service
LCD/LED TV	1 Year	1 Year	40" and Larger	Carry-In or In Home
			37" and Smaller	Carry-In
Plasma Display	1 Year	1 Year	All	Carry-In or In Home
Projector (Excluding Lamp **)	2 Year	2 Year	All	Carry-In or Pick up
PICO & LED Pocket Projector	1 Year	1 Year	All	Carry-In or Pick up

** 180 Days after Purchasing and 600 Hours of Use Lamp on Projector

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

Certain products are eligible for In-home service at Samsung's discretion. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 37" and smaller LCD/LED TV, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
85 Challenger Road
Ridgefield Park, NJ 07660-2112
1-800-SAMSUNG (7267864) – www.samsung.com
1-800-749-0260 : Only Projector

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.



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