

User Manual

S24R39M*

The colour and the appearance may differ depending on the product, and the specifications are subject to change without prior notice to improve the performance.

The contents of this manual are subject to change without notice to improve quality.

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Table of contents

Before Using the Product

Securing the Installation Space	4
Safety Precautions	4
Cleaning	5
Electricity and Safety	5
Installation	6
Operation	7
Storage and Maintenance	9

Getting Started

Control Panel	10
Start Setup (Initial Setup)	10
Remote Control	11
Installing batteries (Battery size: AAA)	12
Changing the Input Source	12
Source List	12
How to use Edit Name	12
Installation	13
Attaching the Stand	13

Installing the Wall Mount	14
Wall Mount Kit Specifications (VESA)	14
Securing the product to the Wall	15
To prevent the product from falling	15
Anti-theft Lock	15

Connections

Correct posture to use the product	17
Driver Installation	17
Setting Optimum Resolution	17

Picture Menu

Picture Mode	18
Backlight / Contrast / Brightness / Sharpness / Colour / Tint (G/R)	18
Picture Options	19
Reset Picture	19

Sound Menu

Sound Mode	20
Equalizer	20
Auto Volume	20
Speaker Select	20
Reset Sound	20

Setup Menu

Start Setup	21
Language	21
Time	21
Melody	21
Auto Power Off	22
Game Mode	22
Self Diagnosis	22

Table of contents

Support Menu

Source List	23
Edit Name	23
Sports Mode	23
Media Play (USB)	23
Connecting a USB Device	23
Using the Media Play Menu	24
Other Restrictions	26
Other Restrictions	27
Software Upgrade	28
HD Connection Guide	28
Contact Samsung	28

Troubleshooting Guide

Requirements Before Contacting Samsung	
Customer Service Centre	29
Product diagnosis (Screen issue)	29
Checking the Resolution and Frequency	29
Troubleshooting	29
Q & A	33

Specifications

General	34
Standard Signal Mode Table	35
Display Modes (HDMI)	35

Appendix

Responsibility for the Pay Service (Cost to Customers)	37
Not a product defect	37
A Product damage caused by customer's fault	37
Others	37
Licence	38

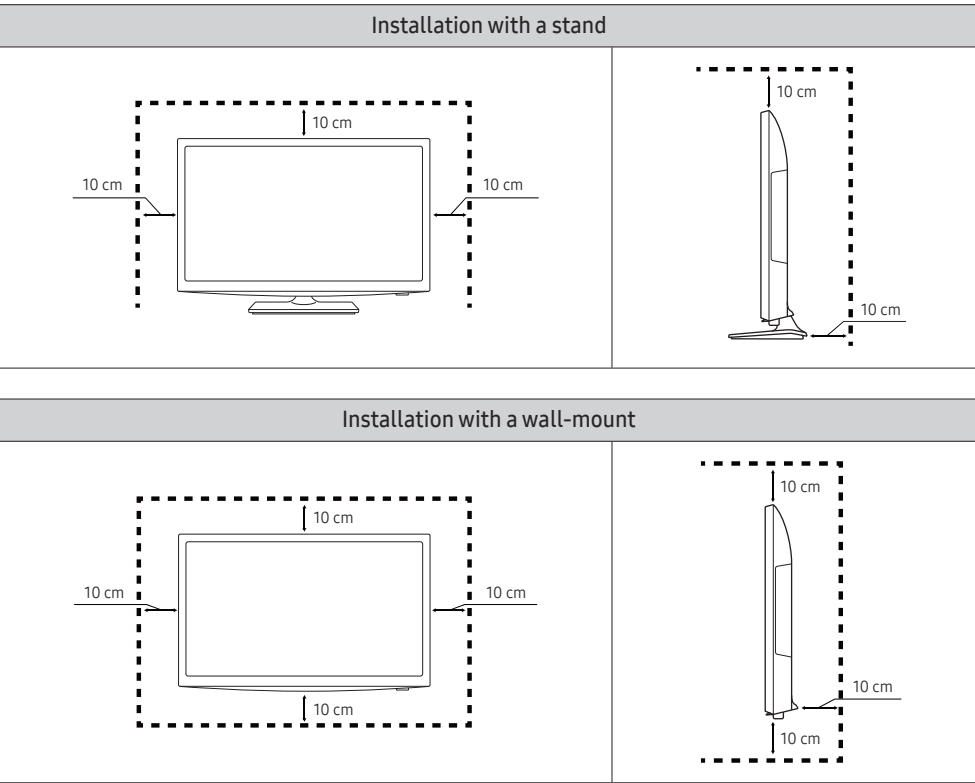
Chapter 01

Before Using the Product

Securing the Installation Space







Ensure some space around the product for ventilation. An internal temperature rise may cause fire and damage the product. Be sure to allow the amount of space as shown below or greater when installing the product.

— The exterior may differ depending on the product.



Safety Precautions

- Warning**
- A serious or fatal injury may result if instructions are not followed.
- Caution**
- Personal injury or damage to properties may result if instructions are not followed.

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.		AC voltage: Rated voltage marked with this symbol is AC voltage.
	This symbol indicates that this product has included important literature concerning operation and maintenance.		DC voltage: Rated voltage marked with this symbol is DC voltage.
	Class II product: This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a mains lead, the product MUST have a reliable connection to protective earth (ground).		Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.

Cleaning

High-glossy models can develop white stains on the surface if an ultrasonic wave humidifier is used nearby.

— Contact your nearest Samsung Customer Service Centre if you want to clean the inside of the product (Service fee will be charged.)

Do not press the product screen with hands or other objects. There is a risk of damaging the screen.

— Exercise care when cleaning as the panel and exterior of advanced LCDs are easily scratched.

— Take the following steps when cleaning.

1 Power off the product and computer.

2 Disconnect the power cord from the product.

— Hold the power cable by the plug and do not touch the cable with wet hands. Otherwise, an electric shock may result.

3 Wipe the product with a clean, soft and dry cloth.

- Do not apply a cleaning agent that contains alcohol, solvent, or surfactant to the product.
- Do not spray water or detergent directly on the product.

4 Wet a soft and dry cloth in water and wring thoroughly to clean the exterior of the product.

5 Connect the power cord to the product when cleaning is finished.

6 Power on the product and computer.

Electricity and Safety

Warning

- Do not use a damaged power cord or plug, or a loose power socket.
- Do not use multiple products with a single power socket.
- Do not touch the power plug with wet hands.
- Insert the power plug all the way in so it is not loose.
- Connect the power plug to a grounded power socket (type 1 insulated devices only).
- Do not bend or pull the power cord with force. Be careful not to leave the power cord under a heavy object.
- Do not place the power cord or product near heat sources.
- Clean any dust around the pins of the power plug or the power socket with a dry cloth.

Caution

- Do not disconnect the power cord while the product is being used.
- Only use the power cord provided with your product by Samsung. Do not use the power cord with other products.
- Keep the power socket where the power cord is connected unobstructed.
 - The power cord must be disconnected to cut off power to the product when an issue occurs.
- Hold the plug when disconnecting the power cord from the power socket.

Installation

Warning

- DO NOT PLACE CANDLES, INSECT REPELLANTS OR CIGARETTES ON TOP OF THE PRODUCT. DO NOT INSTALL THE PRODUCT NEAR HEAT SOURCES.
- Do not install the product in poorly ventilated spaces such as a bookcase or closet.
- Install the product at least 10 cm away from the wall to allow ventilation.
- Keep the plastic packaging out of the reach of children.
 - Children may suffocate.
- Do not install the product on an unstable or vibrating surface (insecure shelf, sloped surface, etc.)
 - The product may fall and become damaged and/or cause an injury.
 - Using the product in an area with excess vibration may damage the product or cause a fire.
- Do not install the product in a vehicle or a place exposed to dust, moisture (water drips, etc.), oil, or smoke.
- Do not expose the product to direct sunlight, heat, or a hot object such as a stove.
 - The product lifespan may be reduced or a fire may result.
- Do not install the product within the reach of young children.
 - The product may fall and injure children.
- Edible oil, such as soybean oil, can damage or deform the product. Do not install the product in a kitchen or near a kitchen counter.

Caution

- Do not drop the product while moving.
- Do not set down the product on its front.
- When installing the product on a cabinet or shelf, make sure that the bottom edge of the front of the product is not protruding.
 - The product may fall and become damaged and/or cause an injury.
 - Install the product only on cabinets or shelves of the right size.
- Set down the product gently.
 - Product failure or personal injury may result.
- Installing the product in an unusual place (a place exposed to a lot of fine dust, chemical substances, extreme temperatures or a significant presence of moisture, or a place where the product will operate continuously for an extended period of time) may seriously affect its performance.
 - Be sure to consult Samsung Customer Service Centre if you want to install the product at such a place.
- For VESA mounting, it is recommended to use the arm type bracket.

Operation

Warning

- There is a high voltage inside the product. Never disassemble, repair or modify the product yourself.
 - Contact Samsung Customer Service Centre for repairs.
- To move the product, first disconnect all the cables from it, including the power cable.
- If the product generates abnormal sounds, a burning smell or smoke, disconnect the power cord immediately and contact Samsung Customer Service Centre.
- Do not let children hang from the product or climb on top of it.
 - Children may become injured or seriously harmed.
- If the product is dropped or the outer case is damaged, turn off the power and disconnect the power cord. Then contact Samsung Customer Service Centre.
 - Continued use can result in a fire or electric shock.
- Do not leave heavy objects or items that children like (toys, sweets, etc.) on top of the product.
 - The product or heavy objects may fall as children try to reach for the toys or sweets resulting in a serious injury.
- During a lightning or thunderstorm, power off the product and remove the power cable.
- Do not drop objects on the product or apply impact.
- Do not move the product by pulling the power cord or any cable.
- If a gas leakage is found, do not touch the product or power plug. Also, ventilate the area immediately.
- Do not lift or move the product by pulling the power cord or any cable.
- Do not use or keep combustible spray or an inflammable substance near the product.
- Ensure the vents are not blocked by tablecloths or curtains.
 - An increased internal temperature may cause a fire.
- Do not insert metallic objects (chopsticks, coins, hairpins, etc) or objects that burn easily (paper, matches, etc) into the product (via the vent or input/output ports, etc).
 - Be sure to power off the product and disconnect the power cord when water or other foreign substances have entered the product. Then contact Samsung Customer Service Centre.
- Do not place objects containing liquid (vases, pots, bottles, etc) or metallic objects on top of the product.
 - Be sure to power off the product and disconnect the power cord when water or other foreign substances have entered the product. Then contact Samsung Customer Service Centre.

Caution

- Leaving the screen fixed on a stationary image for an extended period of time may cause afterimage burn-in or defective pixels.
 - Activate power-saving mode or a moving-picture screen saver if you will not be using the product for an extended period of time.
- Disconnect the power cord from the power socket if you do not plan on using the product for an extended period of time (vacation, etc).
 - Dust accumulation combined with heat can cause a fire, electric shock or electric leakage.
- Use the product at the recommended resolution and frequency.
 - Your eyesight may deteriorate.
- Do not hold the product upside-down or move it by holding the stand.
 - The product may fall and become damaged or cause an injury.
- Looking at the screen too close for an extended period of time can deteriorate your eyesight.
- Do not use humidifiers or stoves around the product.
- Rest your eyes for more than 5 minutes or look at distance objects for every 1 hour of product use.
- Do not touch the screen when the product has been turned on for an extended period of time as it will become hot.
- Store small accessories out of the reach of children.
- Exercise caution when adjusting the product angle.
 - Your hand or finger may get stuck and injured.
 - Tilting the product at an excessive angle may cause the product to fall and an injury may result.
- Do not place heavy objects on the product.
 - Product failure or personal injury may result.
- When using headphones or earphones, do not turn the volume too high.
 - Having the sound too loud may damage your hearing.

Be careful that children do not place the battery in their mouths when removed from the remote control. Place the battery in a location that children or infants cannot reach.

- If children have had the battery in their mouths, consult your doctor immediately.

When replacing the battery, insert it with the right polarity (+, -).

- Otherwise, the battery may become damaged or it may cause fire, personal injury or damage due to leakage of the internal liquid.

Use only the specified standardised batteries, and do not use a new battery and a used battery at the same time.

- Otherwise, the batteries may be damaged or cause fire, personal injury or damage due to a leakage of the internal liquid.

The batteries (and rechargeable batteries) are not ordinary refuse and must be returned for recycling purposes. The customer is responsible for returning the used or rechargeable batteries for recycling.

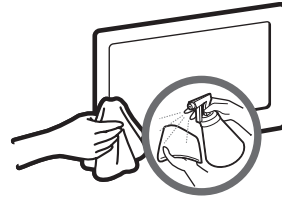
- The customer can return used or rechargeable batteries to a nearby public recycling centre or to a store selling the same type of the battery or rechargeable battery.

Storage and Maintenance

— If you remove the attached sticker on the product screen, clean the residues and then watch product.



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



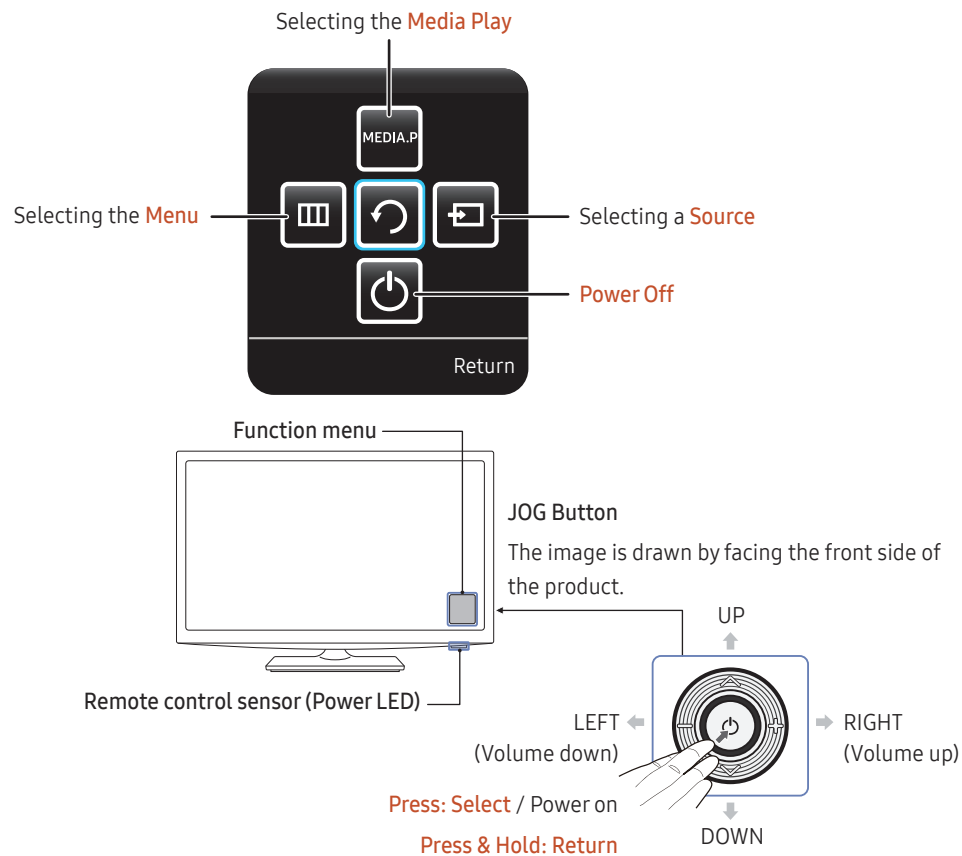
Clean the product with a soft cloth dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent.

Chapter 02

Getting Started

Control Panel

— The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.



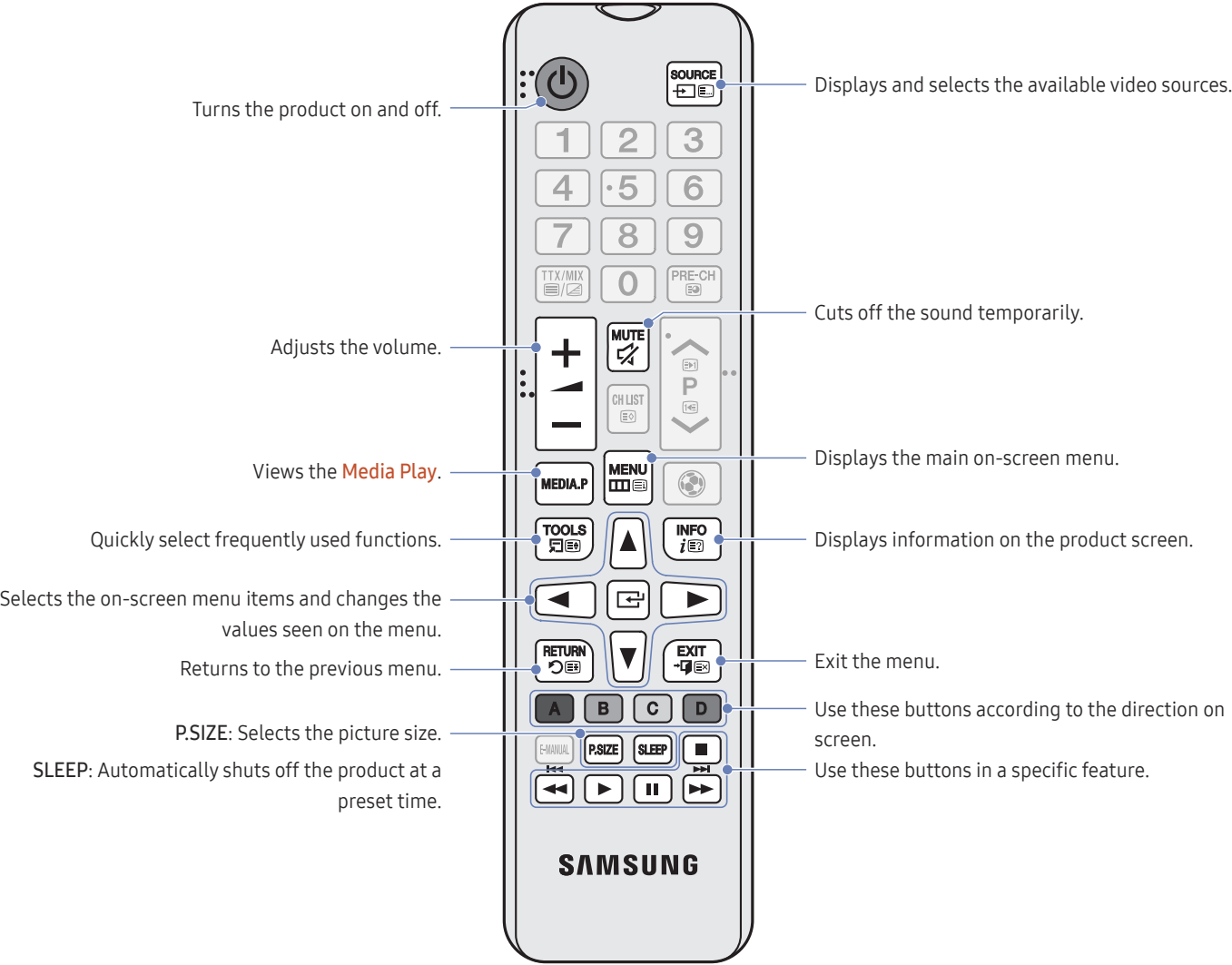
Start Setup (Initial Setup)

When you turn the product on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the product's basic settings. Plug the power cord into a wall outlet, and then press the **POWER** button to turn on the product. Set the initial setup following instructions that the product guides.

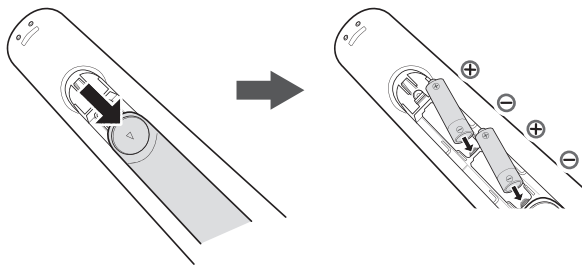
— For more information about connecting the power cord, refer to '[Connections](#)'.

Remote Control

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



Installing batteries (Battery size: AAA)



- Use the remote control within 23 feet from product.
- Bright light may affect the performance of the remote control. Avoid using nearby special fluorescent light or neon signs.
- The colour and shape may vary depending on the model.

Changing the Input Source

Source List

Use to select product or other external input sources such as DVD / Blu-ray players / cable box / STB satellite receiver connected to the product.

- 1 Press the **SOURCE** button.
- 2 Select a desired external input source.
 - **AV / Component / HDMI1 / HDMI2/DVI**
 - You can only choose external devices that are connected to the product. In the **Source List**, connected inputs will be highlighted.

How to use Edit Name

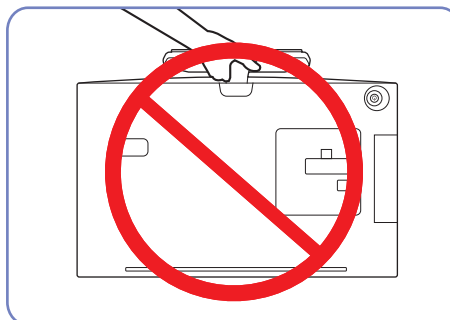
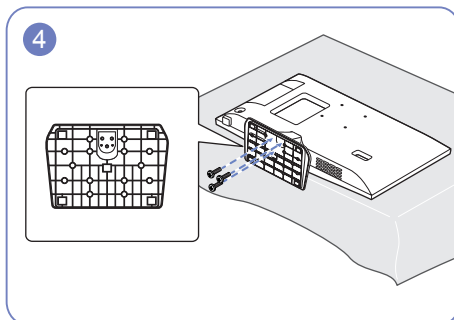
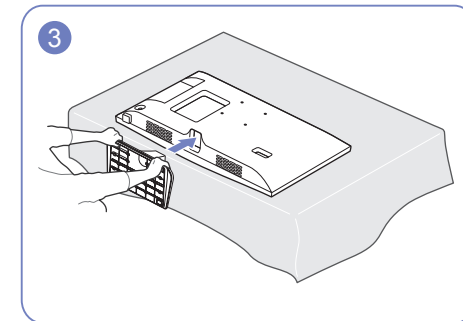
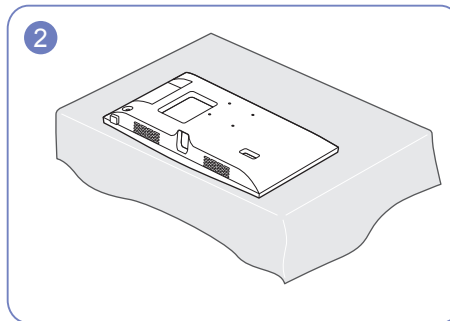
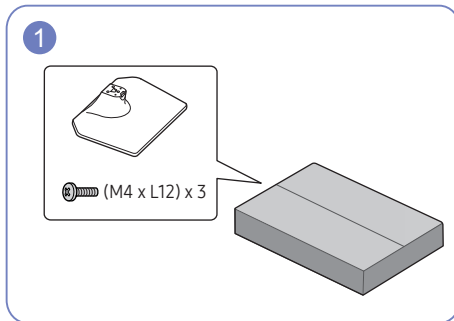
Edit Name lets you associate a device name to an input source. To access **Edit Name**, enter **Support** menu and select **Edit Name**. Name the device connected to the input jacks to make your input source selection easier.

- When connecting a PC to the HDMI IN 1 or HDMI IN 2 port with HDMI cable, you should set the product to PC mode under **Edit Name**.
- When connecting a PC to the HDMI IN 1 or HDMI IN 2 port with HDMI to DVI cable, you should set the product to DVI PC mode under **Edit Name**.
- When connecting an AV devices to the HDMI IN 1 or HDMI IN 2 port with HDMI to DVI cable, you should set the product to DVI mode under **Edit Name**.

Installation

Attaching the Stand

- Before assembling the product, place the product down on a flat and stable surface so that the screen is facing downwards.
- The exterior may differ depending on the product.
- Follow the assembly order in reverse for disassembly of the installed display and stand.



Installing the Wall Mount

The wall mount kit (sold separately) allows you to mount the product on the wall. For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket.

Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you select to install the product on your own.

Wall Mount Kit Specifications (VESA)

- The wall mount kit is not supplied, but sold separately.
- Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If you install the product on a ceiling or slanted wall, it may fall and result in severe personal injury.
- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, 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 longer than the standard dimension, as they may cause damage to the inside of the product 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 product at more than a 15 degree tilt.
- Always have two people mount the product on a wall.



Model Name	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
S24R39M*	75 x 75	M4	4

Securing the product to the Wall



Caution: Pulling, pushing, or climbing onto the product may cause the product to fall. In particular, ensure that your children do not hang over or destabilize the product; doing so may cause the product to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

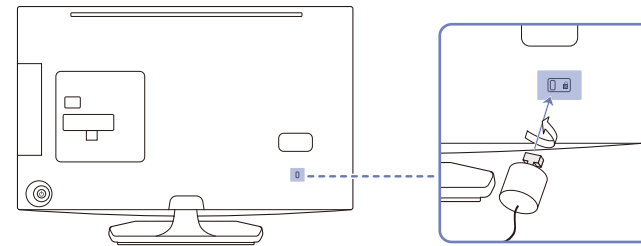
To prevent the product from falling

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 1** Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
 - You may need additional material such as an anchor depending on the type of wall.
 - Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 2** Put the screws into the clamps, and then fasten the screws onto the product again.
 - Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
- 3** Connect the clamps fixed onto the product and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
 - Install the product near to the wall so that it does not fall backwards.
 - It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the product.
 - Untie the string before moving the product.
- 4** Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Anti-theft Lock

- An anti-theft lock allows you to use the product securely even in public places.
- The locking device shape and locking method depend on the manufacturer. Refer to the user guide provided with your anti-theft locking device for details.

To lock an anti-theft locking device:




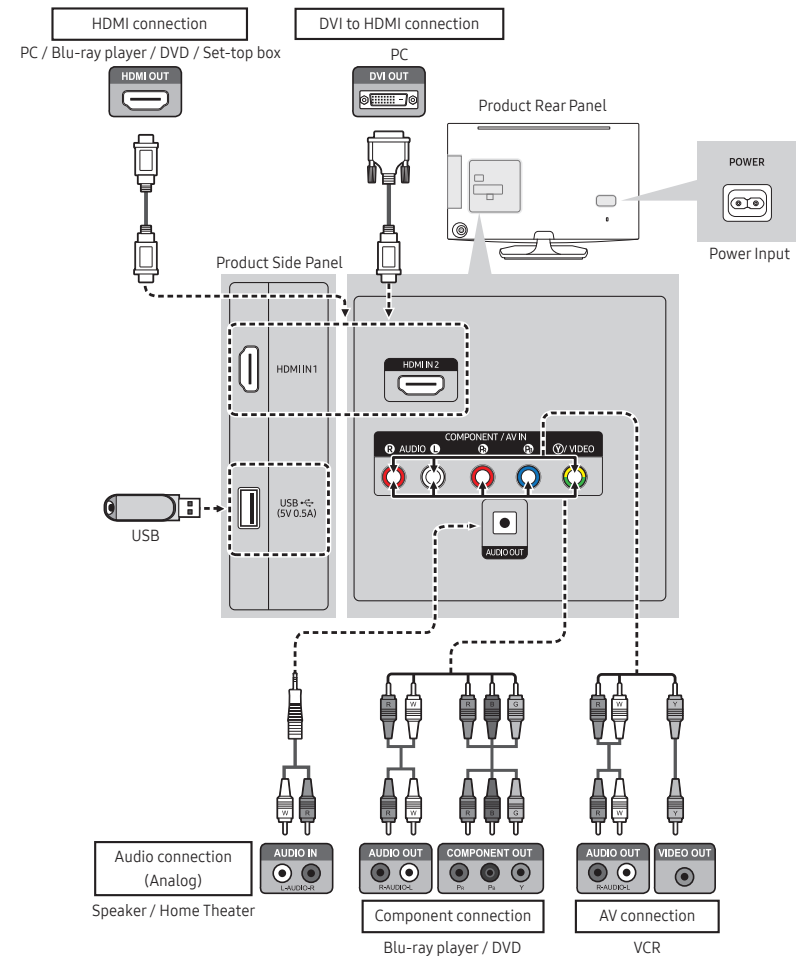
- 1** Fix the cable of your anti-theft locking device to a heavy object such as a desk.
- 2** Put one end of the cable through the loop on the other end.
- 3** Insert the locking device into the anti-theft lock slot at the back of the product.
- 4** Lock the locking device.
 - An anti-theft locking device can be purchased separately.
 - Refer to the user guide provided with your anti-theft locking device for details.
 - Anti-theft locking devices can be purchased at electronics retailers or online.

Chapter 03

Connections

- For better picture and audio quality, connect to a digital device using an HDMI cable.
- Some HDMI cables and devices may not be compatible with the product due to different HDMI specifications.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- If an HDMI to DVI cable is connected to the **HDMI IN 1** or **HDMI IN 2** port, the audio does not work.

Port	Description
HDMI IN 1	Connects to a source device using an HDMI cable or HDMI-DVI cable.
HDMI IN 2	
USB  (5V 0.5A)	Connect to a USB memory device. — The USB ports on the product accept a maximum constant current of 0.5A. If the maximum value is exceeded, USB ports may not work.
COMPONENT / AV IN	Connects to a source device using the Component cable or Composite cable.
AUDIO OUT	Outputs sound to an audio device via an audio cable.
POWER	Connect the power cord for your product to the POWER port on the back of the product.



— The rear panel may differ depending on the model.

Correct posture to use the product



Use the product in the correct posture as follows:

- Straighten your back.
- Allow a distance of 45 to 50cm between your eye and the screen, and look slightly downward at the screen.
- Keep your eyes directly in front of the screen.
- Adjust the angle so light does not reflect on the screen.
- Keep your forearms perpendicular to your upper arms and level with the back of your hands.
- Keep your elbows at about a right angle.
- Adjust the height of the product so you can keep your knees bent at 90 degrees or more, your heels attached to the floor, and your arms lower than your heart.
- Do the Eye exercises or blink frequently, then eye fatigue will be relieved.

Driver Installation

- You can set the optimum resolution and frequency for this product by installing the corresponding drivers.
- To install the latest version of the product driver, download it from the Samsung Electronics website at <http://www.samsung.com>.

Setting Optimum Resolution

An information message about setting optimum resolution will appear if you power on the product for the first time after purchase.

Select a language on the product and change the resolution on your PC to the optimum setting.

- If the optimum resolution is not selected, the message will appear up to three times for a specified time even when the product is turned off and on again.
- The optimum resolution can also be selected in Control Panel on your PC.

Chapter 04

Picture Menu

A detailed description of each function is provided. Refer to your product for details.

— The functions available may vary depending on the product model. The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.

Picture Mode

Select your preferred picture type.

- **Dynamic:** Suitable for a bright room.
- **Standard:** Suitable for a normal environment.
- **Movie:** Suitable for watching movies in a dark room.

Backlight / Contrast / Brightness / Sharpness / Colour / Tint (G/R)

This product has several setting options for picture quality control.

- When connecting a PC, you can only make changes to **Backlight**, **Contrast**, **Brightness** and **Sharpness**.
- Settings can be adjusted and stored for each external device connected to the product.
- Lowering picture brightness reduces power consumption.

Picture Options

- **Colour Tone (Cool / Standard / Warm)**: Select the colour temperature.
 - **Warm** will be deactivated when the picture mode is **Dynamic**.
- **Size**: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use **16:9** mode most of the time.
 - **16:9**: Sets the picture to 16:9 wide mode.
 - **Zoom1/Zoom2**: Zoom out 16:9 wide mode vertically to fit the screen size.
 - **4:3**: Sets the picture to basic (4:3) mode.
 - Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and centre of the screen may cause image retention (screen burn) which are not covered by the warranty.
 - **Screen Fit**: Displays the full image without any cut-off when HDMI(720p/1080i/1080p) signals are inputted.
 - **Custom**
 - Depending on the input source, the picture size options may vary.
(PC: **16:9**, **4:3**, Other external devices: **16:9**, **Zoom1**, **Zoom2**, **4:3**, **Screen Fit**, **Custom**)
 - The available items may differ depending on the selected mode.
 - Settings can be adjusted and stored for each external device connected to an input on the product.
- **Digital Clean View (Off / Low / Medium / High / Auto)**: Reduces the noise of the picture to avoid distracting flickering.
 - When the signal is weak, try other options until the best picture is displayed.

- **Black Level (Normal / Low)**: Selects the black level on the screen to adjust the screen depth.
 - Available only in **HDMI** mode (RGB signals).
- **Film Mode (Off / Auto)**: Sets the product to automatically sense and process film signals from all sources and adjust the picture for optimum quality.
 - This option is available when connecting to sources that support SD (480i and 576i) or HD (1080i) signals, except personal computers.
- **Motion Lighting (Off / On)**: Reduce power consumption by brightness control adapted motion.
 - Only available in **Standard** mode.

Reset Picture

Resets your current picture mode to its default settings.

- **Reset Picture** will be deactivated when the picture mode is **Dynamic**.

Chapter 05

Sound Menu

A detailed description of each function is provided. Refer to your product for details.

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Sound Mode

- **Standard**: Selects the normal sound mode.
- **Music**: Emphasizes music over voices.
- **Movie**: Provides the best sound for movies.
- **Clear Voice**: Emphasizes voices over other sounds.

Equalizer

(standard sound mode only)

- **Balance**: Adjusts the balance between the right and left speaker.
- **100Hz / 300Hz / 1kHz / 3kHz / 10kHz** (Bandwidth Adjustment): Adjusts the level of specific bandwidth frequencies.
- **Reset**: Resets the **Equalizer** to its default settings.

Auto Volume

Automatically equalizes the volume level when switching to another channel.

Speaker Select

Select the speaker to output sound.

Reset Sound

Resets all sound settings to their default values.

Chapter 06

Setup Menu

A detailed description of each function is provided. Refer to your product for details.

— The functions available may vary depending on the product model. The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.

Start Setup

Go through the initial setup steps like you did the first time you used this product.


Language

Set the menu language.

— Press ▲ or ▼ button to select menu language. (According to the different areas, some countries have only one language.)

Time

— The current time will appear every time you press the INFO button.

- **Sleep Timer** 
Automatically shuts off the product after a preset period of time. (Off, 30 min., 60 min., 90 min., 120 min., 150 min. and 180 min.)
 - To cancel **Sleep Timer**, select **Off**.

Melody

Play a melody when the device is turned on and off. Melody will not play if sound volume is at 0, or when sleep timer turns the device off.

- The **Melody** does not play.
 - When no sound is output from the product because the volume has been reduced to minimum with the VOL – button.
 - When the product is turned off by **Sleep Timer** function.
 - When the product is turned off in the mute state

Auto Power Off

Saves power by turning off Devices automatically when no user operation is received for 4 hours.

Game Mode

This mode accelerates the game playing speed when using an external game console connected to the product. However, the picture quality may be degraded.

Self Diagnosis

Tests the product's Picture and Sound.

- **Picture Test:** Use to check for picture problems. If the problem continues to occur, check the colour pattern.
- **Sound Test:** Use the built-in melody sound to check for sound problems.
- **Reset:** Reset all settings to the factory defaults.

Chapter 07

Support Menu

A detailed description of each function is provided. Refer to your product for details.

Source List

Show the input source list. You can select an external device to watch.

Edit Name

Selects the external device name for each jack. Select a device name such as DVD or VCR.

Sports Mode

Sports Mode optimises your product settings for watching sporting events.

Media Play (USB)




Allows you to play video files, music files and photos saved on a USB device.



Connecting a USB Device

- 1 Turn on your product.
- 2 Connect a USB device containing photo, music and/or video files to the **USB** jack on the side of the product.
- 3 You can select USB device.

Using the Media Play Menu

- 1 Press the **MENU** button. Press the ▲ or ▼ button to select **Support**, then press the  button.
 - 2 Press the ▲ or ▼ button to select **Media Play (USB)**, then press the  button.
 - 3 Press the ◀ or ▶ button to select an icon (**Videos, Music, Photos**), then press the  button.
- It might not work properly with unlicensed multimedia files.
 - If you want to view detailed information of the file being played, press **TOOLS** button in the file list, and then select **Information**.
 - Supported file systems are FAT and NTFS.
 - Certain types of USB Digital camera and audio devices may not be compatible with this product.
 - **Media Play** only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the product's USB port. Does not support smart devices connected in MTP or PTP protocol.
 - Before connecting your device to the product, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
 - A USB device that requires high power may not be supported.
 - Do not disconnect the USB device while it is loading.
 - The higher the resolution of the image, the longer it takes to display on the screen.
 - The maximum supported JPEG resolution is 15360 x 8640 pixels.
 - If a file is corrupted or the product does not support the file type, the "Not Supported File Format" message appears.
 - If a USB extension cable is used, the USB device may not be recognized or the files on the device may not be read.

- The product cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and managing billings and settlements.
- PTP device is not supported.
- If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.
- The power-saving mode of some external hard disk drives may be released automatically when you connect them to the product.
- If a USB device connected to the product is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check the connection.
- If a file you deleted from the PC is still found when you run **Media Play**, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.
- **Photos** only supports sequential jpeg format.
- The scene search and thumbnail functions are not supported in the **Videos**.
- If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear and some folders may not be opened.
- The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.
- The media may not be playing smoothly when using the device higher than USB 2.0.
- The file name only works in supported menu language. The other language is not displayed properly.

Videos

— In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

- 1 Press the ◀ or ▶ button to select **Videos**, then press the ⏮ button in the **Media Play** menu.
- 2 Press the ◀/▶/▲/▼ buttons to select the desired video in the file list.
- 3 Press the ⏮ button or ▶ (Play) button.

- The selected file is displayed on the top with its playing time.
- If video time information is unknown, playing time and the progress bar are not displayed.
- During video playback, you can search using the ◀ and ▶ button.
- You can use (◀◀) (REW) and (▶▶) (FF) buttons during playback.

• Supported Subtitle Formats

– External

Name	File extension
MPEG-4 timed text	.txt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass

– Internal

Name	Container	Format
Xsub	AVI	Picture Format
SubStation Alpha	MKV	Text Format
Advanced SubStation Alpha	MKV	Text Format
SubRip	MKV	Text Format
MPEG-4 Timed text	MP4	Text Format

- Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.mp4	MP4	H.264	1920 x 1080	6~30	20 Mbps	MP3 / ADPCM / AAC
		VC-1	1920 x 1080	6~30	20 Mbps	
		MJPEG	640 x 480	6~30	10 Mbps	
*.avi	AVI	MPEG 1/2/4	1920 x 1080	6~30	20 Mbps	MP3 / AC3
*.mkv	MKV	H.264	1920 x 1080	6~30	20 Mbps	/ LPCM /
		MJPEG	640 x 480	6~30	10 Mbps	ADPCM
*.asf	ASF	MPEG 1/2/4	1920 x 1080	6~30	20 Mbps	MP3 / AC3
						/ LPCM /
						ADPCM /
*.wmv		H.264	1920 x 1080	6~30	20 Mbps	WMA / WMA Pro
*.ts	TS	MPEG2-TS	1920 x 1080	6~30	20 Mbps	AC3 / AAC / MP3 / DD+
*.trp		H. 264	1920 x 1080	6~30	20 Mbps	
*.tp						
*.dat	PS	MPEG1	1920 x 1080	6~30	20 Mbps	AC3 / MPEG / LPCM / AAC
*.mpg		MPEG2	1920 x 1080	6~30	20 Mbps	
*.mpeg		H. 264	1920 x 1080	6~30	20 Mbps	
*.vob						
*.3gp	3GPP	MPEG 1/2/4	1920 x 1080	6~30	20 Mbps	MP3
		H.264	1920 x 1080	6~30	20 Mbps	
*.flv	flash formats	H.264	1920 x 1080	6~30	20 Mbps	MP3

Other Restrictions

- 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 bit rate/ frame rate listed in the table on the left.
- If the Index Table is in error, the Seek (Jump) function is not supported.
- The menu may take longer to appear if the video's bit rate exceeds 10 Mbps.
- Video content can not be played, if there are many contents in one file.

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.

MPEG4 SP, ASP :

- Below 1280 x 720:** 60 frame max
- Above 1280 x 720:** 30 frame max

H.263 is not supported.

GMC is not support.






Audio Decoder

Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO

WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported)

WMA Lossless is not supported.

Music

- 1 Press the ◀ or ▶ button to select **Music**, then press the  button in the **Media Play** menu.
- 2 Press the ◀/▶/▲/▼ buttons to select the desired Music in the file list.
 - Only displays the files with MP3 file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- 3 Press the  button or  (Play) button.
 - During music playback, you can search using the ◀ and ▶ button.
 -  (REW) and  (FF) buttons do not function during play.
 - If the need to change **Equalizer** - when playing MP3, then exit **Media Play**, adjust the **Equalizer** in the **Sound** menu. (An over-modulated MP3 file may cause a sound problem.)

Photos








- 1 Press the ◀ or ▶ button to select **Photos**, then press the  button in the **Media Play** menu.
 - 2 Press the ◀/▶/▲/▼ buttons to select the desired photo in the file list.
 - 3 Press the  button or  (Play) button.
 - While a photo list is displayed, press the  (Play) /  button on the remote control to start the slide show.
 - All files in the file list section will be displayed in the slide show.
 - During the slide show, files are displayed in order.
 - During the slide show, you can adjust the slide show speed using () (REW) or () (FF) button.
 - You can move to other file using ◀ or ▶ button.
 - Press **TOOLS** button and select **Background Music**. Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**.
 - The **Mode** in **Background Music** cannot be changed until the BGM has finished loading.
- Supported Photo Formats

Image	Photo	Resolution
JPEG	Base-line	15360 x 8704
	Progressive	1024 x 768

Other Restrictions

CMYK, YCCK Colour space JPEG are not supported.

Playing Multiple Files

Playing selected video/music/photo files

- 1 Press the Yellow button in the file list to select the desired file.
- 2 Repeat the above operation to select multiple files.
 - The ✓ mark appears to the left of the selected files.
 - To cancel a selection, press the Yellow button again.
 - To deselect all selected files, press the **TOOLS** button and select **Deselect All**.

Media Play - Additional Functions

Videos/Music/Photos Play Option menus

When playing a file, press the TOOLS button.

Category	Operation	Videos	Music	Photos
Title	You can move the other file directly.	✓		
Repeat Mode	You can play movie and music files repeatedly.	✓	✓	
Picture Size	You can adjust the picture size to your preference.	✓		
Picture Mode	You can adjust the picture setting.	✓		✓
Sound Mode	You can adjust the sound setting.	✓	✓	✓
Subtitle Settings	You can play the video with Subtitles. This function only works if the subtitles are the same file name as the video.	✓		
Audio Language	You can change the audio language if the video has more than one language.	✓		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			✓
Slide Show Speed	You can select the slide show speed during the slide show.			✓
Background Music	You can set and select background music when watching a Slide Show.			✓
Zoom	You can zoom into images in full screen mode.			✓
Rotate	You can rotate images in full screen mode.			✓
Information	You can see detailed information about the played file.	✓	✓	✓

Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from “www.samsung.com” to a USB memory device.

HD Connection Guide

You can read a guide to connect external devices for HD sources.

Contact Samsung

View this information when your product does not work properly or when you want to upgrade the software. You can find information regarding our call centres, and how to download products and software.

Chapter 08

Troubleshooting Guide

Requirements Before Contacting Samsung Customer Service Centre

— Before calling Samsung Customer Service Centre, test your product as follows. If the problem persists, contact Samsung Customer Service Centre.

Product diagnosis (Screen issue)

If a problem occurs with the product screen, run [Self Diagnosis](#) to check that the product is working properly.

Checking the Resolution and Frequency

If a resolution that is not supported (see the [Standard Signal Mode Table](#)) is selected, the **Mode Not Supported** message may appear for a short time or the screen may not be displayed properly.

— The displayed resolution may vary, depending on the computer system settings and cables.

Troubleshooting

If you have any questions about the product, first refer to this list. If none of these troubleshooting tips apply, please visit “www.samsung.com,” then click on Support, or contact the call centre listed on the back-cover of this manual.

Picture Quality

The product image does not look as good as it did in the store.

Adjust the Cable/Set top box video output resolution to 1080i or 720p.

Make sure you are watching the product at the minimum recommended distance based on the size and definition of the signal.

The picture is distorted: macroblock error, small block, dots, pixelization

Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies.

Low signal level or bad quality can cause picture distortion. This is not a product issue.

Colour is wrong or missing.

If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause colour problems or a blank screen.

There is poor colour or brightness.

Adjust the **Picture** options in the product menu. (go to **Picture Mode / Colour / Brightness / Sharpness**)

Try resetting the picture to view the default picture settings. (go to **MENU - Picture - Reset Picture**)

There is a dotted line on the edge of the screen.

If the picture size is set to **Screen Fit**, change it to **16:9**.

Change cable/satellite box resolution.

The picture is black and white.

If you are using an AV composite input, connect the video cable (yellow) to the Yellow & Green jack of **COMPONENT / AV IN** on the product.

Sound Quality

There is no sound or the sound is too low at maximum volume.

Please check the volume of external device connected to your product.

The picture is good but there is no sound.

Set the **Speaker Select** option to **Internal Speaker** in the sound menu.

If you are using an external device, make sure the audio cables are connected to the correct audio input jacks on the product.

If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have an HDMI connected to your product).

If you are using an HDMI to DVI cable, a separate audio cable is required.

If your product has a headphone jack, make sure there is nothing plugged into it.

The speakers are making an inappropriate noise.

Check the cable connections. Make sure a video cable is not connected to an audio input.

For cable connections, check the signal strength. Low signal level may cause sound distortion.

No Picture, No Video

The product will not turn on.

Make sure the AC power cord is securely plugged in to the wall outlet and the product.

Make sure the wall outlet is working.

Try pressing the **POWER** button on the product to make sure the problem is not the remote. If the product turns on, refer to “The remote control does not work” below.

The product turns off automatically.

Ensure the **Sleep Timer** is set to **Off** in the **Time** menu.

If your PC is connected to the product, check your PC power settings.

Make sure the AC power cord is plugged in securely to the wall outlet and the product.

When watching product from a cable connection, the product will turn off after 10~15 minutes if there is no signal.

There is no picture/video.

Check cable connections (remove and reconnect all cables connected to the product and external devices).

Set your external devices' (Cable/Set top Box, DVD, Blu-ray etc) video outputs to match the connections to the product input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the product.

Make sure your connected devices are powered on.

Be sure to select the product's correct source by pressing the **SOURCE** button on the product remote.

PC Connection

A “Mode Not Supported” message appears.

Set your PC's output resolution so it matches the resolutions supported by the product.

The video is OK but there is no audio.

If you are using an HDMI connection, check the audio output setting on your PC.

Others

The picture will not display in full screen.

Black bars on the top and bottom will appear during movies that have aspect ratios different from your product.

Adjust the picture size options on your external device or product to full screen.

The remote control does not work.

Replace the remote control batteries with the poles (+/-) in the right direction.

Clean the transmission window located on the top of the remote control.

Try pointing the remote directly at the product from 5~6 feet away.

The cable/set top box remote control does not turn the product on or off, or adjust the volume.

Programme the Cable/Set top box remote control to operate the product. Refer to the Cable/Set top box user manual for the SAMSUNG product code.

A “Mode Not Supported” message appears.

Check the supported resolution of the product, and adjust the external device’s output resolution accordingly. Refer to resolution settings in this manual.

There is a plastic smell from the product.

This smell is normal and will dissipate over time.

product is tilted to the right or left side.

Remove the stand base from the product and reassemble it.

There are difficulties assembling the stand base.

Make sure the product is placed on a flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws from the product.

Your settings are lost after 5 minutes or every time the product is turned off.

If the product is in the **Store Demo** mode, it will reset audio and picture settings every 5 minutes. If you want to change the settings from **Store Demo** mode to **Home Use**.

You have intermittent loss of audio or video.

Check the cable connections and reconnect them.

Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the product to the wall, we recommend using cables with 90 degree connectors.

You see small particles when you look closely at the edge of the frame of the product.

This is part of the product’s design and is not a defect.

There are recurrent picture/sound issues.

Check and change the signal/source.

A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.

To prevent this, use felt pads on any surface of the product that comes in direct contact with furniture.

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

— You can keep your product as optimum condition upgrading the latest firmware on web site (www.samsung.com → Support) by USB.

Q & A

— Refer to the user manual for your PC or graphics card for further instructions on adjustment.

— The path to the settings depends on the installed OS.

How can I change the frequency?

Set the frequency on your graphics card.

- Windows 7: Go to **Control Panel** → **Appearance and Personalization** → **Display** → **Screen Resolution** → **Advanced settings** → **Monitor**, and adjust **Refresh rate** under **Monitor settings**.
- Windows 8(Windows 8.1): Go to **Settings** → **Control Panel** → **Appearance and Personalization** → **Display** → **Screen Resolution** → **Advanced settings** → **Monitor**, and adjust **Refresh rate** under **Monitor settings**.
- Windows 10: Go to **Settings** → **System** → **Display** → **Advanced display settings** → **Display adapter properties** → **Monitor**, and adjust **Screen refresh rate** under **Monitor settings**.

How can I change the resolution?

- Windows 7: Go to **Control Panel** → **Appearance and Personalization** → **Display** → **Adjust Resolution**, and adjust the resolution.
- Windows 8(Windows 8.1): Go to **Settings** → **Control Panel** → **Appearance and Personalization** → **Display** → **Adjust Resolution**, and adjust the resolution.
- Windows 10: Go to **Settings** → **System** → **Display** → **Advanced display settings**, and adjust the resolution.

How do I set power-saving mode?

- Windows 7: Set power-saving mode in **Control Panel** → **Appearance and Personalization** → **Personalize** → **Screen Saver Settings** → **Power options** or **BIOS SETUP** on the PC.
 - Windows 8(Windows 8.1): Set power-saving mode in **Settings** → **Control Panel** → **Appearance and Personalization** → **Personalize** → **Screen Saver Settings** → **Power options** or **BIOS SETUP** on the PC.
 - Windows 10: Set power-saving mode in **Settings** → **Personalization** → **Lock screen** → **Screen timeout settings** → **Power & sleep** or **BIOS SETUP** on the PC.
-

Chapter 09

Specifications

General

Model Name	S24R39M*
Size	59.8 cm
Display area	521.4705 mm (H) x 293.184 mm (V)
Pixel Pitch	0.12725 mm (H) x 0.38175 mm (V)
Maximum Pixel Clock	230 MHz
Power Supply	AC100-240V~ 50/60Hz Refer to the label at the back of the product as the standard voltage can vary in different countries.
Signal connectors	Composite Video (shared with Component Y), Component, HDMI, USB
Environmental conditions	Operating Temperature: 10 °C – 40 °C (50 °F – 104 °F) Humidity: 10 % – 80 %, non-condensing Storage Temperature: -20 °C – 45 °C (-4 °F – 113 °F) Humidity: 5 % – 95 %, non-condensing

Plug-and-Play

This product can be installed and used with any Plug-and-Play compatible systems. Two-way data exchange between the product and PC system optimises the product settings. Product installation takes place automatically. However, you can customise the installation settings if desired.

Panel Dots (Pixels)

Due to the nature of the manufacturing of this product, approximately 1 pixel per million (1ppm) may be brighter or darker on the LCD panel. This does not affect product performance.

The above specifications are subject to change without notice to improve quality.

For detailed device specifications, visit the Samsung Electronics website.

Standard Signal Mode Table

Model Name	S24R39M*	
Synchronization	Horizontal Frequency	30 kHz - 68 kHz
	Vertical Frequency	56 Hz - 75 Hz
Resolution	Optimum Resolution	1366 x 768 @ 60 Hz
	Maximum Resolution	

If a signal that belongs to the following standard signal modes is transmitted from your PC, the screen will automatically be adjusted. If the signal transmitted from the PC does not belong to the standard signal modes, the screen may be blank even though the power LED turns on. In such a case, change the settings according to the following table by referring to the graphics card user manual.

Display Modes (HDMI)

Mode	Resolution	Scan Rate	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	720 x 400	70 Hz	31.469	70.087	28.322	-/+
MAC	640 x 480	67 Hz	35.000	66.667	30.240	-/-
	832 x 624	75 Hz	49.726	74.551	57.284	-/-
	640 x 480	60 Hz	31.469	59.940	25.175	-/-
VESA DMT	640 x 480	72 Hz	37.861	72.809	31.500	-/-
	640 x 480	75 Hz	37.500	75.000	31.500	-/-
	800 x 600	60 Hz	37.879	60.317	40.000	+/+
	800 x 600	72 Hz	48.077	72.188	50.000	+/+
	800 x 600	75 Hz	46.875	75.000	49.500	+/+
	1024 x 768	60 Hz	48.363	60.004	65.000	-/-
	1024 x 768	70 Hz	56.476	70.069	75.000	-/-
	1024 x 768	75 Hz	60.023	75.029	78.750	+/+
	1280 x 720	60 Hz	45.000	60.000	74.250	+/+
	1366 x 768	60 Hz	47.712	59.790	85.500	+/+

— Horizontal Frequency

The time required to scan a single line from the left to the right side of the screen is called a horizontal cycle. The reciprocal number of a horizontal cycle is called horizontal frequency. Horizontal frequency is measured in kHz.

— Vertical Frequency

Repeating the same picture dozens of times per second allows you to view natural pictures. The repeat frequency is called "vertical frequency" or "refresh rate" and is indicated in Hz.

— This product can be set to only one resolution for each screen size to obtain the optimum picture quality due to the nature of the panel. Using a resolution other than the specified resolution may degrade the picture quality. To avoid this, it is recommended that you select the optimum resolution specified for your product.

— Some resolutions listed in the table above may not be available depending on graphics card specifications.

Chapter 10

Appendix

Responsibility for the Pay Service (Cost to Customers)

— When the service is requested, in spite of in warranty, we may charge you for a visit from a service technician in the following cases.

Not a product defect

Cleaning of the product, Adjustment, Explanation, Re-installation and etc.

- If a service technician is requested to give instructions on how to use product or simply adjusts options without disassembling product.
- If a defect is caused by external environmental factors (Internet, Antenna, Wired Signal, etc.)
- If a product is reinstalled or devices are connected additionally after installing the purchased product for the first time.
- If a product is reinstalled to move to a different spot or to move to a different house.
- If the customer requests instructions on how to use another company's product.
- If customer requests instructions on how to use the network or another company's Programme.
- If customer requests software installation and setup for the product.
- If a service technician removes/cleans dusts or foreign materials inside of the product.
- If customer requests an installation additionally after purchasing a product through home-shopping or online.

A Product damage caused by customer's fault

Product damage caused by customer's mishandling or wrong repair

If a product damage is caused by;

- External impact or drop.
- Use of supplies or separately sold product unspecified by Samsung.
- Repair from a person besides an engineer of outsourcing service company or partner of Samsung Electronics Co., Ltd.
- Remodeling or repairing the product by customer.
- Using it with incorrect voltage or non-authorized electrical connections.
- Not following the "cautions" in User Manual.

Others

- If product fails by natural disaster. (lightning, fire, earthquake, flood damage, etc)
- If consumable components are all used up. (Battery, Toner, Fluorescent lights, Head, Vibrator, Lamp, Filter, Ribbon, etc.)

— If customer requests a service in case the product has no defect, service fee may be charged. So please read User Manual first.

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