

# User Manual

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C32F39MFU\* C32F39NFU\* C32F39PFU\*

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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An administration fee may be charged in the following situations:

- (a) An engineer is called out at your request, but it is found that the product has no defect (i.e., where the user manual has not been read).
- (b) You bring the unit to a repair centre, but it is found that the product has no defect (i.e., where the user manual has not been read).

You will be informed of the administration fee amount before a technician visits.

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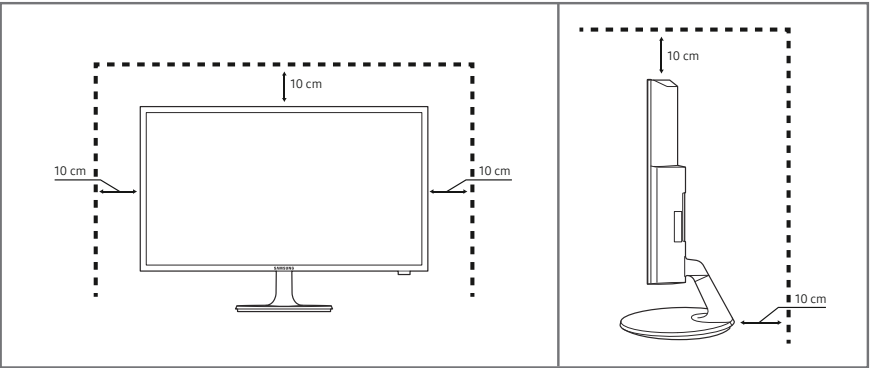
# Chapter 01

## 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.

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## 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 monitor 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 monitor with a clean, soft and dry cloth.

- Do not apply a cleaning agent that contains alcohol, solvent, or surfactant to the monitor.
- 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.

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## 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.

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## 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.

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## 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.

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## 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 put AC/DC adapters together.
- Remove the plastic bag from the AC/DC adapter before you use it.
- Do not let water enter the AC/DC adapter device or get the device wet.
  - An electric shock or fire may result.
  - Avoid using the product outdoors where it can be exposed to rain or snow.
  - Be careful not to get the AC/DC adapter wet when you wash the floor.
- Do not put the AC/DC adapter near to any heating apparatus.
  - Otherwise, a fire may result.
- Keep the AC/DC adapter in a well-ventilated area.
- If you place the AC/DC power adapter so that it is hanging with the cord input facing upwards, water or other foreign substances could enter the Adapter and cause the Adapter to malfunction. Make sure to rest the AC/DC power adapter flat on a table or the floor.
- 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.



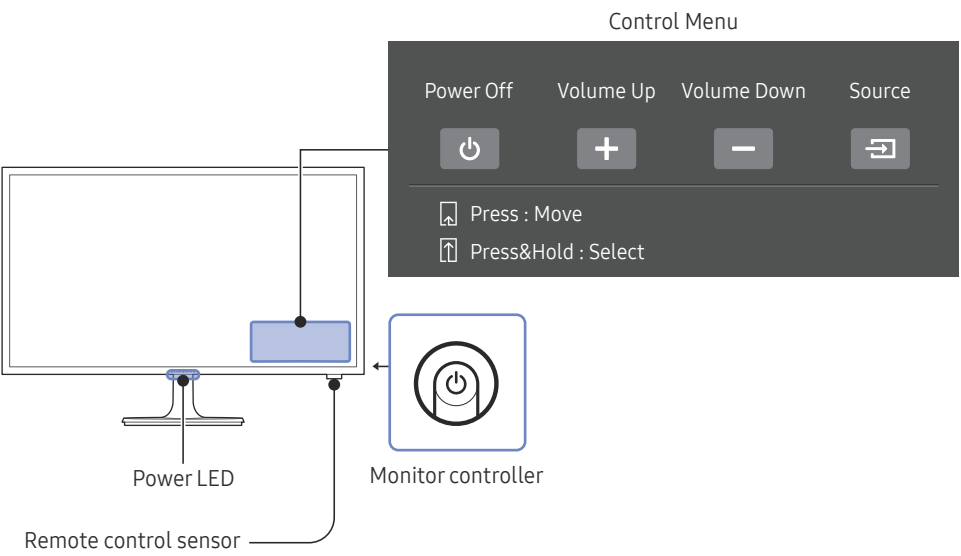
# Chapter 02





## Preparations

### Parts

#### Control Panel

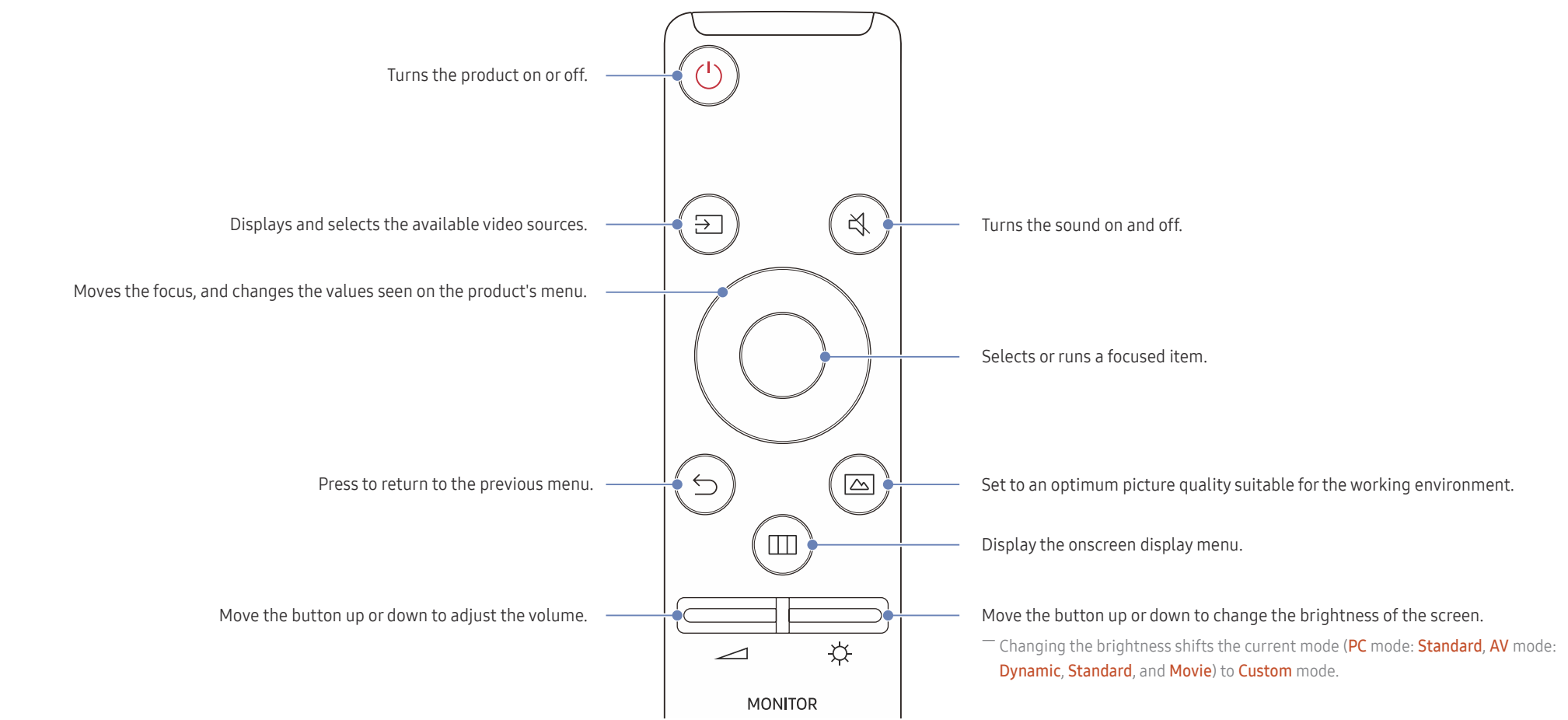
- The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.
- The Monitor Controller, like button on the rear right side of the Monitor, lets you control the Monitor without the remote control.



Parts	Description
Control Menu	<b>Power Off</b>  : Turns the product on and off.
	<b>Volume Up, Volume Down</b>  ,  : Adjusts the volume.
	<b>Source</b>  : Displays and selects the available video sources.
Power LED	This LED is power status indicator and works as <ul style="list-style-type: none"><li>• Power On (Power button): Power LED Off</li><li>• Power saving mode: Power LED Blinking</li><li>• Power Off (Power button): Power LED On</li></ul>
	— The Power LED operation can be swapped by changing in the menu. ( <b>System</b> → <b>Power LED On</b> )
Monitor controller, Remote control sensor	<b>Press : Move</b> <b>Press&amp;Hold : Select</b>

- If you press it first, the control menu appears. You can select the function by pressing and holding the Monitor controller.
- With the Monitor controller, you cannot perform other operations except for turning the product on or off, adjusting the volume, and switching the input source.
- If the audio quality of a connected input device is poor, the Auto Mute function on the product may mute the sound or cause choppy audio when applying the headphones or speakers. Set the input volume for the input device to at least 20% and control the volume using the volume control (Press & Hold Monitor controller) on the product.
  - What is Auto Mute?  
The function mutes the audio to improve sound effect when there is sound noise or when the input signal is weak, usually due to a problem with the volume of an input device.

# Remote Control

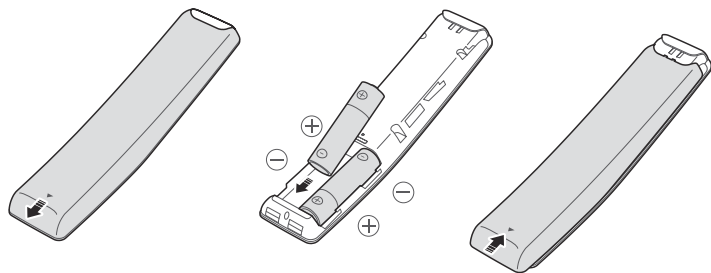


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## Installing batteries into the Samsung Smart Remote

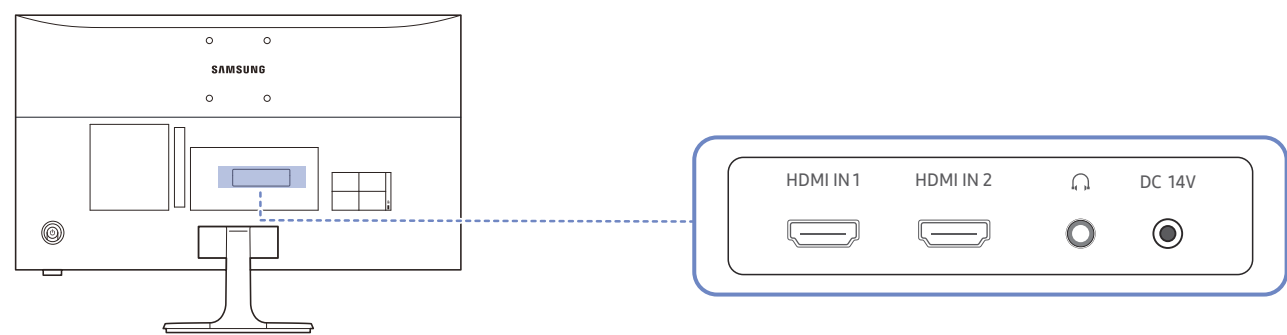
To use the Samsung Smart Remote, push the rear cover open in the direction of the arrow and insert the batteries as shown in the figure. Make sure that the positive and negative ends are facing the correct direction.

— Alkaline batteries are recommended for longer battery life.



# Types of Ports

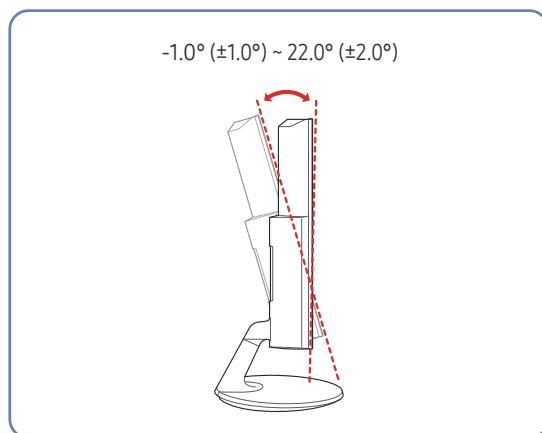
— The functions available may vary depending on the product model. The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality. Refer to the actual product.



Port	Description
<div>HDMI IN 1</div> <div>HDMI IN 2</div>	Connects to a source device using an HDMI cable or HDMI-DVI cable.
<div></div>	Connect to an audio output device such as headphones or earphones. — The sound could only be heard when using the HDMI to HDMI cable.
<div>DC 14V</div>	Connects to the AC/DC adapter.

## Adjusting the Product Tilt

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

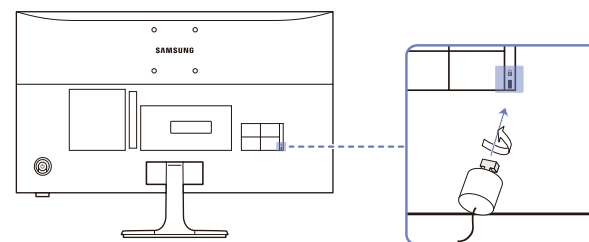


- The monitor tilt can be adjusted.
- Hold the lower part of the product and adjust the tilt carefully.

## 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.

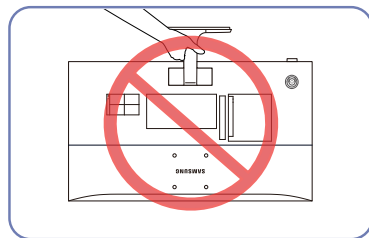
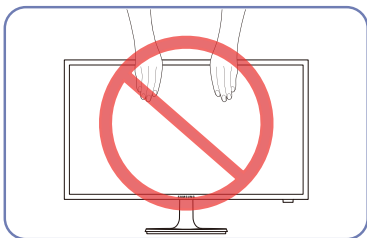
### To lock an anti-theft locking device:



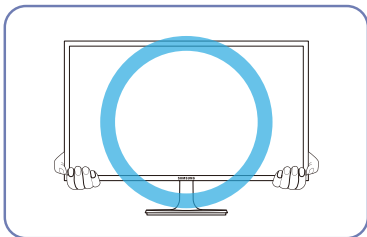
- 1 Fix the cable of your anti-theft locking device to a heavy object such as a desk.
- 2 Put one end of the cable through the loop on the other end.
- 3 Insert the locking device into the anti-theft lock slot at the back of the product.
- 4 Lock the locking device.
  - An anti-theft locking device can 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.

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## Precautions for moving the monitor



- Do not directly apply pressure on the screen.
- Do not hold the screen when moving the monitor.
- Do not hold the product upside down only by the stand.

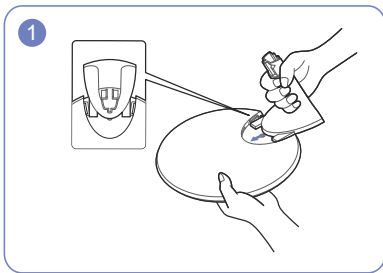


- Hold the lower corners or edges of the monitor when moving it.

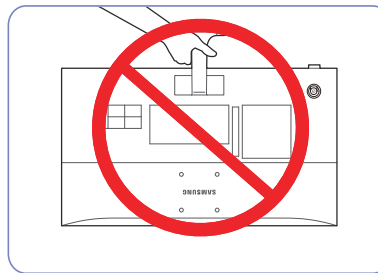
# Installation

## 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.

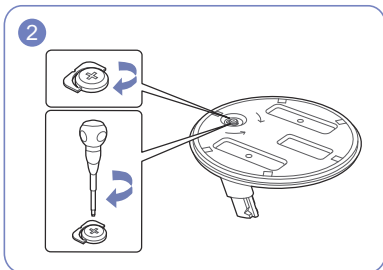


Insert the stand neck into the stand base in the direction shown in the figure.  
Check that the stand neck is firmly connected.

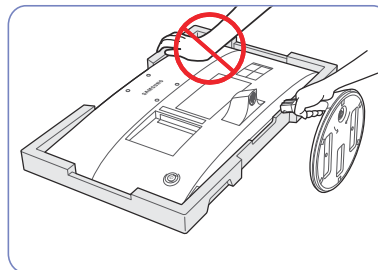


### Caution

Do not hold the product upside down only by the stand.

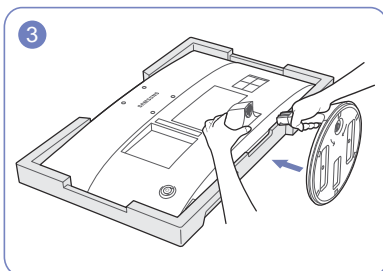


Tightly fasten the connecting screw at the bottom of the stand base.



### Caution

Do not press down on the monitor. There is a risk of damaging the monitor.



Place the protective Styrofoam (cushion) included in the package on the floor and place the product facing down on the Styrofoam, as shown in the image.

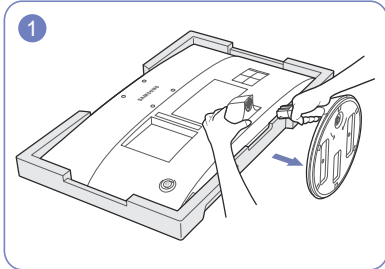
If Styrofoam is unavailable, use a thick sitting mat.

Hold the back of the monitor as shown in the figure.

Push the assembled stand into the main body in the direction of the arrow as shown in the figure.

## Removing the Stand

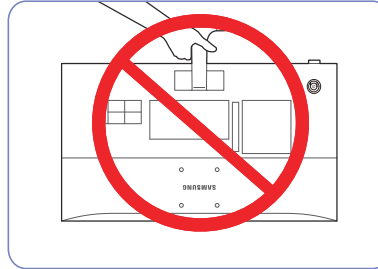
- Before removing the stand from the monitor, place the monitor on a flat and stable surface with the screen facing down.
- The exterior may differ depending on the product.



Place the protective Styrofoam (cushion) included in the package on the floor and place the product facing down on the Styrofoam, as shown in the image.

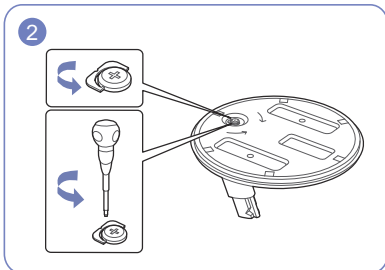
If Styrofoam is unavailable, use a thick sitting mat.

While holding the monitor with one hand, pull the stand neck with your other hand to detach the stand as shown in the figure.

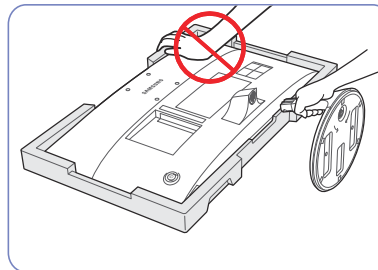


### Caution

Do not hold the product upside down only by the stand.



Turn the connecting screw at the bottom of the stand base to separate it.



### Caution

Do not press down on the monitor. There is a risk of damaging the monitor.



Remove the stand neck from the stand base by pulling it in the direction of the arrow as shown in the figure.



# Chapter 03

## Connecting and Using a Source Device

### Read below before installing the product.

- 1 Before installing the product, check the shapes of both ports of the supplied signal cables and the shapes and locations of the ports on the product and external device.
- 2 Before connecting signal cable, make sure you remove the power cables from both the product and the external device to prevent damage to the product due to a short circuit or over current.
- 3 After all signal cables have been properly connected, connect the power cables back to the product and the external device.
- 4 After installation is completed, make sure you read the user guide to acquaint yourself with the product functions, precautions and other information required to use the product properly.

### Connecting and Using a PC

Select a connection method suitable for your PC.

- Connecting parts may differ in different products.
- Provided ports may vary depending on the product.

### Connection Using the HDMI Cable



Check to make sure that the power cables for the monitor and external devices, such as computers and set-top boxes, are not connected to the power outlet.

HDMI IN 1, HDMI IN 2



- When connecting an HDMI cable, use the cable that came with the components of the monitor. If you use an HDMI cable other than provided by Samsung, the image quality may be degraded.

## Connection Using the HDMI-DVI Cable



Check to make sure that the power cables for the monitor and external devices, such as computers and set-top boxes, are not connected to the power outlet.

HDMI IN 1, HDMI IN 2



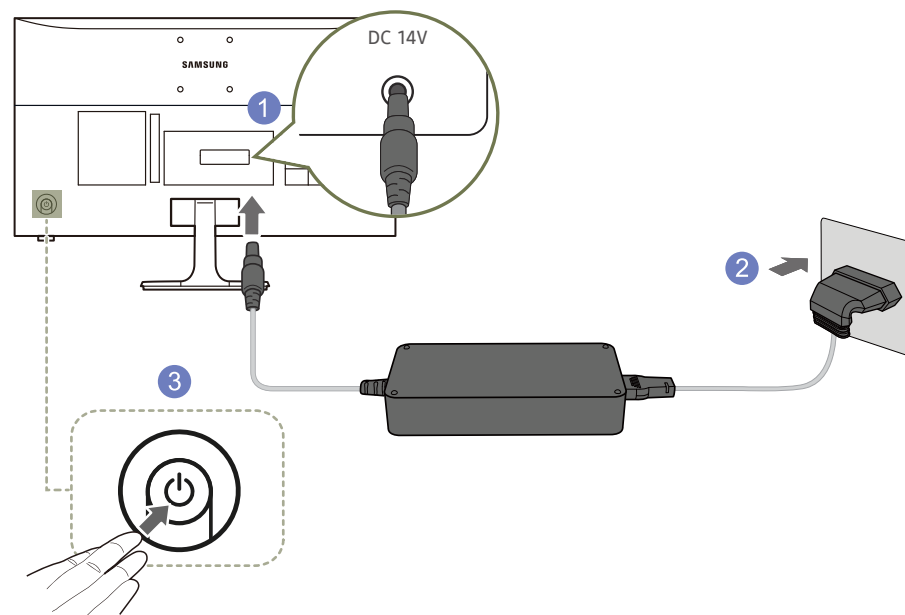
- The audio function is not supported if the source device is connected using the HDMI-DVI cable.
- The optimum resolution may not be available with an HDMI-DVI cable.

## Connecting to headphones or earphones



- Use headphones or earphones when activating sound with an HDMI-HDMI cable.
- The headphones or earphones jack supports only the 3 conductor tip-ring-sleeve (TRS) type.

## Connecting the Power



- 1 Connect the power cable to the AC/DC adapter. Then, connect the AC/DC adapter to the **DC 14V** port on the back of the product.
  - 2 Next, connect the power cable to the power outlet.
  - 3 Press the Monitor controller on the back of the monitor or use the Samsung Smart Remote to turn it on.
- The input voltage is switched automatically.

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## 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.

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## 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.

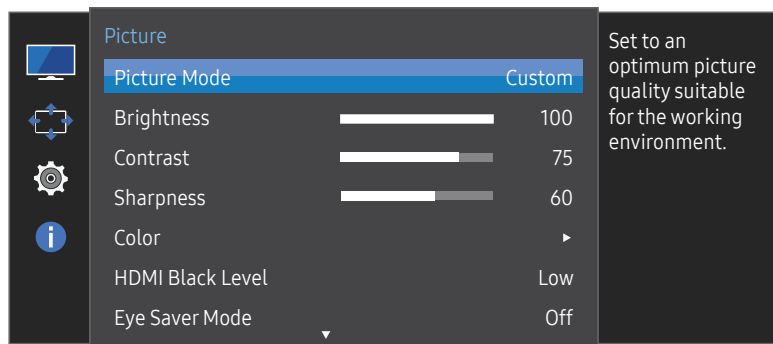
# Chapter 04

## Picture

Configure the screen settings such as brightness.  
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.

Press Main menu button (III) of Remote Control, below menu will appear.



— The displayed image may differ depending on the model.

## Picture Mode

Set to an optimum picture quality suitable for the working environment.

— This menu is not available when **Eco Saving Plus** is enabled.

— This menu is not available when **Game Mode** is enabled.

— This menu is not available when **Eye Saver Mode** is enabled.

You can customise the brightness to suit your preferences.

### In PC mode

- **Custom**: Customise the contrast and brightness as required.
- **Standard**: Obtain a picture quality suitable for editing documents or using Internet.
- **Cinema**: Obtain the brightness and sharpness of monitors suitable for enjoying video and DVD content.
- **Dynamic Contrast**: Obtain balanced brightness through automatic contrast adjustment.

---

## In AV mode

When the external input is connected through HDMI and **PC/AV Mode** is set to **AV**, **Picture Mode** has four automatic picture settings (**Dynamic**, **Standard**, **Movie** and **Custom**) that are preset at the factory. You can activate either **Dynamic**, **Standard**, **Movie** or **Custom**. You can select **Custom** which automatically recalls your personalised picture settings.

- **Dynamic**: Select this mode to view a sharper image than in **Standard** mode.
- **Standard**: Select this mode when the surroundings are bright. This also provides a sharp image.
- **Movie**: Select this mode when the surroundings are dark. This will save power and reduce eye fatigue.
- **Custom**: Select this mode when you want to adjust the image according to your preferences.

---

## Brightness

You can adjust the general brightness of the picture. (Range: 0~100)

A higher value will make the picture appear brighter.

- This menu is not available when **Picture Mode** is set to **Dynamic Contrast** mode.
- This menu is not available when **Eco Saving Plus** is enabled.
- This menu is not available when **Eye Saver Mode** is enabled.
- Changing the value shifts the current mode (**PC mode**: **Standard**, **AV mode**: **Dynamic**, **Standard**, and **Movie**) to **Custom** mode.

## Contrast

Adjust the contrast between the objects and background. (Range: 0~100)

A higher value will increase the contrast to make the object appear clearer.

- This option is not available when **Picture Mode** is in **Cinema** or **Dynamic Contrast** mode.
- This menu is not available when **Game Mode** is enabled.
- Changing the value shifts the current mode (**PC mode**: **Standard**, **AV mode**: **Dynamic**, **Standard**, and **Movie**) to **Custom** mode.

## Sharpness

Make the outline of objects more clear or blurry. (Range: 0~100)

A higher value will make the outline of objects clearer.

- This option is not available when **Picture Mode** is in **Cinema** or **Dynamic Contrast** mode.
- This menu is not available when **Game Mode** is enabled.
- Changing the value shifts the current mode (**AV mode**: **Dynamic**, **Standard**, and **Movie**) to **Custom** mode.

---

## Color

Adjust the tint of the screen.

- This menu is not available when **Picture Mode** is set to **Cinema** or **Dynamic Contrast** mode.
- This menu is not available when **Game Mode** is enabled.
- This menu is not available when **Eye Saver Mode** is enabled.
- **Red**: Adjust the red saturation level. Values closer to 100 mean greater intensity for the colour.
- **Green**: Adjust the green saturation level. Values closer to 100 mean greater intensity for the colour.
- **Blue**: Adjust the blue saturation level. Values closer to 100 mean greater intensity for the colour.
  - Changing the value shifts the current mode (**PC** mode: **Standard**, **AV** mode: **Dynamic**, **Standard**, and **Movie**) to **Custom** mode.
- **Color Tone**: Select a colour tone that best suits your viewing needs.
  - **Cool 2**: Set the colour temperature to be cooler than **Cool 1**.
  - **Cool 1**: Set the colour temperature to be cooler than **Normal** mode.
  - **Normal**: Display the standard colour tone.
  - **Warm 1**: Set the colour temperature to be warmer than **Normal** mode.
  - **Warm 2**: Set the colour temperature to be warmer than **Warm 1**.
  - **Custom**: Customise the colour tone.
  - When the external input is connected through HDMI and **PC/AV Mode** is set to **AV**, **Color Tone** has four colour temperature settings (**Cool**, **Normal**, **Warm** and **Custom**).
  - Changing the value shifts the current mode (**PC** mode: **Standard**) to **Custom** mode.
- **Gamma**: Adjust the middle level of luminance.
  - **Mode1** / **Mode2** / **Mode3**
  - Changing the value shifts the current mode (**PC** mode: **Standard**, **AV** mode: **Dynamic**, **Standard**, and **Movie**) to **Custom** mode.

---

## HDMI Black Level

If a DVD player or set-top box is connected to the product via HDMI, image quality degradation (contrast/colour degradation, black level, etc.) may occur, depending on the connected source device.

In such case, **HDMI Black Level** can be used to adjust the image quality.

- This function is only available in **HDMI 1** or **HDMI 2** mode.
- **Normal**: Select this mode when there is no contrast ratio degradation.
- **Low**: Select this mode to reduce the black level and increase the white level when there is a contrast ratio degradation.
- **HDMI Black Level** may not be compatible with some source devices.
- The **HDMI Black Level** feature is only activated at a certain **AV** resolution, such as 720P @ 60 Hz and 1080P @ 60 Hz.

---

## Eye Saver Mode

Set to an optimum picture quality suitable for eye relaxation.

## Game Mode

Configure the product screen settings for game mode.

Use this feature when playing games on a PC or when a game console such as PlayStation™ or Xbox™ is connected.

- This menu is not available when **Eye Saver Mode** is enabled.
- When the monitor turns off, enters power-saving mode or changes input sources, **Game Mode** turns **Off** even if it is set to **On**.
- If you want to keep **Game Mode** enabled all the time, select **Always On**.

## Response Time

Accelerate the panel response rate to make video appear more vivid and natural.

- It is best to set **Response Time** to **Standard** or **Faster** when you are not viewing a movie or game.

---

## Screen Ratio

Choose the size and aspect ratio of the picture displayed on screen.

### In **PC** mode

- **Auto**: Display the picture according to the aspect ratio of the input source.
- **Wide**: Display the picture in full screen regardless of the aspect ratio of the input source.

### In **AV** mode

- **4:3**: Display the picture with an aspect ratio of 4:3. Suitable for videos and standard broadcasts.
- **16:9**: Display the picture with an aspect ratio of 16:9.
- **Screen Fit**: Display the picture with the original aspect ratio without cutting off.
- The function may not be supported depending on the ports provided with the product.
- Changing the screen size is available when the following conditions are satisfied.
  - A digital output device is connected using the HDMI cable.
  - The input signal is 480p, 576p, 720p, or 1080p and monitor can display normally (Not every model can support all of these signals.).
  - This can only be set when the external input is connected through HDMI and **PC/AV Mode** is set to **AV**.

---

## Screen Adjustment

- This menu is only available when **Screen Ratio** is set to **Screen Fit** in **AV** Mode.  
When a 480P or 576P or 720P or 1080P signal is input in **AV** mode and the monitor can display normally, select **Screen Fit** to adjust Horizontal & Vertical position in 0-6 levels.

### Configuring H-Position & V-Position

**H-Position:** Move the screen to the left or right.

**V-Position:** Move the screen up or down.



# Chapter 05

## OnScreen Display

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.

### Transparency

Set the transparency for the menu windows.

### Position

Adjust the menu position.

#### Configuring H-Position & V-Position

**H-Position:** Move the screen to the left or right.

**V-Position:** Move the screen up or down.

### Language

Set the menu language.

— A change to the language setting will only be applied to the onscreen menu display.

— It will not be applied to other functions on your PC.

### Display Time

Set the on-screen display (OSD) menu to automatically disappear if the menu is not used for a specified period of time.

**Display Time** can be used to specify the time after which you want the OSD menu to disappear.

# Chapter 06

## System

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.

### Sound

#### Volume

Adjust the **Volume** controlling the remote controller UP/DOWN.

#### Sound Mode

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

#### Select Sound

- **Stereo**: Enable the sound both from the left and right speakers.
- **Left Channel**: Set the left and right speakers to play only the left channel of the sound source.
- **Right Channel**: Set the left and right speakers to play only the right channel of the sound source.

---

## Eco Saving Plus

The **Eco Saving Plus** function reduces power consumption by controlling the electric current used by the monitor panel.

— This option is not available when **Picture Mode** is in **Dynamic Contrast** mode.

— This menu is not available when **Game Mode** is enabled.

— This menu is not available when **Eye Saver Mode** is enabled.

- **Off**: Deactivate the **Eco Saving Plus** function.
- **Auto**: The power consumption will automatically be reduced by about 10% over the current setting. (The reduction of power consumption depends on the customer screen brightness condition.)
- **Low**: The power consumption will be reduced by 25% over the default setting.
- **High**: The power consumption will be reduced by 50% over the default setting.

---


## Off Timer Plus

### Configuring Off Timer

**Off Timer**: Turn on **Off Timer** mode.

**Turn Off After**: The off timer can be set within a range of 1 to 23 hours. The product will automatically power off after the specified number of hours.

— This option is only available when **Off Timer** is set to **On**.

— For products for the market in some regions, the **Off Timer** is set to automatically activate 4 hours after the product powers on. This is done in accordance with power supply regulations. If you do not want the timer to activate, go to  → **System** → **Off Timer Plus** and set **Off Timer** to **Off**.

### Configuring Eco Timer

**Eco Timer**: Turn on **Eco Timer** mode.

**Eco Off After**: The **Eco Timer** can be set between 10 and 180 minutes. The product will automatically power off after the specified time has elapsed.

— This option is only available when **Eco Timer** is set to **On**.

---


## PC/AV Mode

Set **PC/AV Mode** to **AV**. The picture size will be enlarged.

This option is useful when you view a movie.

- Set to **PC** when connected to a PC.
- Set to **AV** when connected to an AV device.

— Supplied for the wide models only such as 16:9 or 16:10.

— If the monitor (when set to **HDMI 1** or **HDMI 2**) is displaying the message **Check the cable connection and the settings of the source device.**, press the  button to display the On Screen Display (OSD). You can select **PC** or **AV**.

## Source Detection

Select either **Auto** or **Manual** as the method to recognise input signal.

## Power LED On

Configure the settings to enable or disable the power LED located at the lower part of the product.

- **Working:** The power LED is on when the product is turned on.
- **Stand-by:** The power LED is on when the product is turned off.

---

## HDMI-CEC

— When the product is connected to an external device that supports CEC, it will power on when the device is powered on. Likewise, the device will power off when the product is powered off.

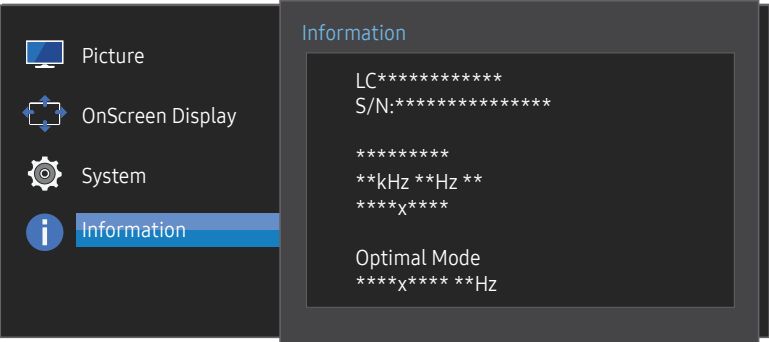
— Connecting to a setup box with CEC support allows controlling the power, but not the setup box volume.

## Reset All

Return all the settings for the product to the default factory settings.

# Information

View the current input source, frequency and resolution.



— The displayed image may differ depending on the model.

# Chapter 07

## Installing the Software

### Easy Setting Box



#### Easy Setting Box

Easy Setting Box enables users to use the monitor by partitioning multiple sections.

To install the latest version of **Easy Setting Box**, download it from the Samsung Electronics website at <http://www.samsung.com>.

- The software may not work properly if you do not restart the computer after the installation.
- The **Easy Setting Box** icon may not appear depending on the computer system and the product specifications.
- If the shortcut icon does not appear, press the F5 key.

### Restrictions and Problems with the Installation

The **Easy Setting Box** installation may be affected by the Graphics Card, Motherboard and the Networking Environment.

### System Requirements

OS	Hardware
<ul style="list-style-type: none"><li>• Windows 7 32Bit/64Bit</li><li>• Windows 8 32Bit/64Bit</li><li>• Windows 8.1 32Bit/64Bit</li><li>• Windows 10 32Bit/64Bit</li></ul>	<ul style="list-style-type: none"><li>• At least 32MB of memory</li><li>• At least 60MB of free space on the hard disk drive</li></ul>

# 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.

#### Testing the Product

Check if your product is operating normally by using the product test function.

If the screen is turned off and the power indicator blinks even though the product is properly connected to a PC, perform a self-diagnosis test.

- 1 Power off both the PC and product.
- 2 Disconnect the cables from the product.
- 3 Power on the product.
- 4 If the message **Check the cable connection and the settings of the source device.** appears, the product is working normally.

— If the screen remains blank, check the PC system, video controller and cable.

#### Checking the Resolution and Frequency

For a mode that exceeds the supported resolution(refer to [Standard Signal Mode Table](#)), the message **Not Optimum Mode** will appear for a short time.

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

Check the following.

#### Installation issue (PC mode)

---

The screen keeps switching on and off.

Check the cable connection between the product and PC, and ensure the connectors are locked.

---

Blank spaces are found on all four sides of the screen when an HDMI or HDMI-DVI cable is connected to the product and PC.

The blank spaces found on the screen have nothing to do with the product.

Blank spaces on the screen are caused by the PC or graphics card. To resolve the problem, adjust the screen size in the HDMI or DVI settings for the graphics card.

If the graphics card settings menu does not have an option to adjust the screen size, update the graphics card driver to the latest version.

(Please contact the graphics card or computer manufacturer for further details about how to adjust the screen settings.)

---

#### Screen issue

---

The power LED is off. The screen will not switch on.

Check that the power cable is connected properly.

---

The message **Check the cable connection and the settings of the source device.** appears.

Check that the cable is properly connected to the product.

---

---

**Not Optimum Mode** is displayed.

This message appears when the signal from the graphics card exceeds the maximum resolution or frequency for the product.

Change the maximum resolution and frequency to suit the product performance, referring to Standard Signal Mode Table (P.35).

---

**The images on the screen look distorted.**

Check the cable connection to the product.

---

**The screen is not clear. The screen is blurry.**

Remove any accessories (video extension cable, etc.) and try again.

Set the resolution and frequency to the recommended level.

---

**The screen appears unstable and shaky. There are shadows or ghost images left on the screen.**

Check that the resolution and frequency for the PC are within the range of resolution and frequency compatible with the product. Next, if required, change the settings, referring to Standard Signal Mode Table (P.35) in this manual and the **Information** menu on the product.

---

**The screen is too bright. The screen is too dark.**

Adjust **Brightness** and **Contrast**.

---

**Screen colour is inconsistent.**

Change the **Color** settings.

---

**The colours on the screen have a shadow and are distorted.**

Change the **Color** settings.

---

**White does not really look white.**

Change the **Color** settings.

---

**There is no image on the screen and the power LED blinks every 0.5 to 1 second.**

The product is operating in power-saving mode.

Press any key on the keyboard or move the mouse to return to normal operating mode.

---

**Text is blurry.**

If using a Windows OS (e.g. Windows 7, Windows 8, Windows 8.1 or Windows 10): Go to **Control Panel** on your PC → **Fonts** → **Adjust ClearType text** and change **Turn on ClearType**.

---

---

**Video playback is choppy.**

Playback of high-definition large video files can be choppy. This may be because the video player is not optimised for the computer resource.

Try playing the file on another video player.

---

## Sound issue

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**There is no sound.**

Re-check the condition of the connected audio cable and/or adjust the volume.

Check the volume.

Check whether audio is set to mute.

---

**The volume is too low.**

Adjust the volume.

If the volume is still low after turning it up to the maximum level, adjust the volume on your PC sound card or software programme.

---

**Video is available but there is no sound.**

Sound cannot be heard if a HDMI-DVI cable is used to connect the input device.

Connect the device using an HDMI cable.

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## Source device issue

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**A beeping sound is heard when my PC is booting.**

If a beeping sound is heard when your PC is booting, have your PC serviced.

---



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## 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.

---

### HDMI-CEC is not working.

- Make sure your device is HDMI-CEC enabled.
  - Check if your HDMI-CEC device is properly connected to the power source.
  - Check the cable connection to your HDMI-CEC device.
  - Make sure to power off the monitor and on when removing or connecting the HDMI cable.
  - Make sure the **HDMI-CEC** option is set to **On**.
-

# Chapter 09

## Specifications

### General

Model Name	C32F39MFU* / C32F39NFU* / C32F39PFU*
Size	32 Class (31.5 Inches / 80.1 cm)
Display area	698.4 mm (H) x 392.85 mm (V)
Pixel Pitch	0.36375 mm (H) x 0.36375 mm (V)
Maximum Pixel Clock	148.5 MHz
Power Supply	AC100-240V~ 50/60Hz Based on the AC voltage of the adapter. For the DC voltage of the product, refer to the product label.
Signal connectors	HDMI
Environmental conditions	<b>Operating</b> Temperature: 10 °C – 40 °C (50 °F – 104 °F) Humidity: 10 % – 80 %, non-condensing <b>Storage</b> Temperature: -20 °C – 45 °C (-4 °F – 113 °F) Humidity: 5 % – 95 %, non-condensing

- Plug-and-Play  
This monitor can be installed and used with any Plug-and-Play compatible systems. Two-way data exchange between the monitor and PC system optimises the monitor settings. Monitor 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.
- This device is a Class B digital apparatus.
- For detailed device specifications, visit the Samsung Electronics website.

## Standard Signal Mode Table

Model Name		C32F39MFU* / C32F39NFU* / C32F39PFU*
Synchronization	Horizontal Frequency	30 – 81 kHz
	Vertical Frequency	56 – 61 Hz
Resolution	Optimum Resolution	1920 x 1080 @ 60 Hz
	Maximum Resolution	1920 x 1080 @ 60 Hz

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.

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
VESA, 640 x 480	31.469	59.940	25.175	-/-
VESA, 800 x 600	35.156	56.250	36.000	+/+
VESA, 800 x 600	37.879	60.317	40.000	+/+
VESA, 1024 x 768	48.363	60.004	65.000	-/-
VESA, 1280 x 720	45.000	60.000	74.250	+/+
VESA, 1280 x 800	49.702	59.810	83.500	-/+
VESA, 1280 x 1024	63.981	60.020	108.000	+/+
VESA, 1440 x 900	55.935	59.887	106.500	-/+
VESA, 1600 x 900 RB	60.000	60.000	108.000	+/+
VESA, 1680 x 1050	65.290	59.954	146.250	-/+
VESA, 1920 x 1080p	67.500	60.000	148.500	+/+

### 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 gives 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 customer requests instructions on how to use because of 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.