

Operation

Warning

- There is a high voltage inside the product. Never disassemble, repair or modify the product yourself.
 - Contact Samsung Customer Service Center 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 Center.
- 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 Center.
 - 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 Center.

- 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 Center.

Caution

- Leaving the screen fixed on a stationary image for an extended period of time may cause afterimage burn-in or defective pixels.
 - Set the screen to power-saving mode or moving-picture screen saver when not 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 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.

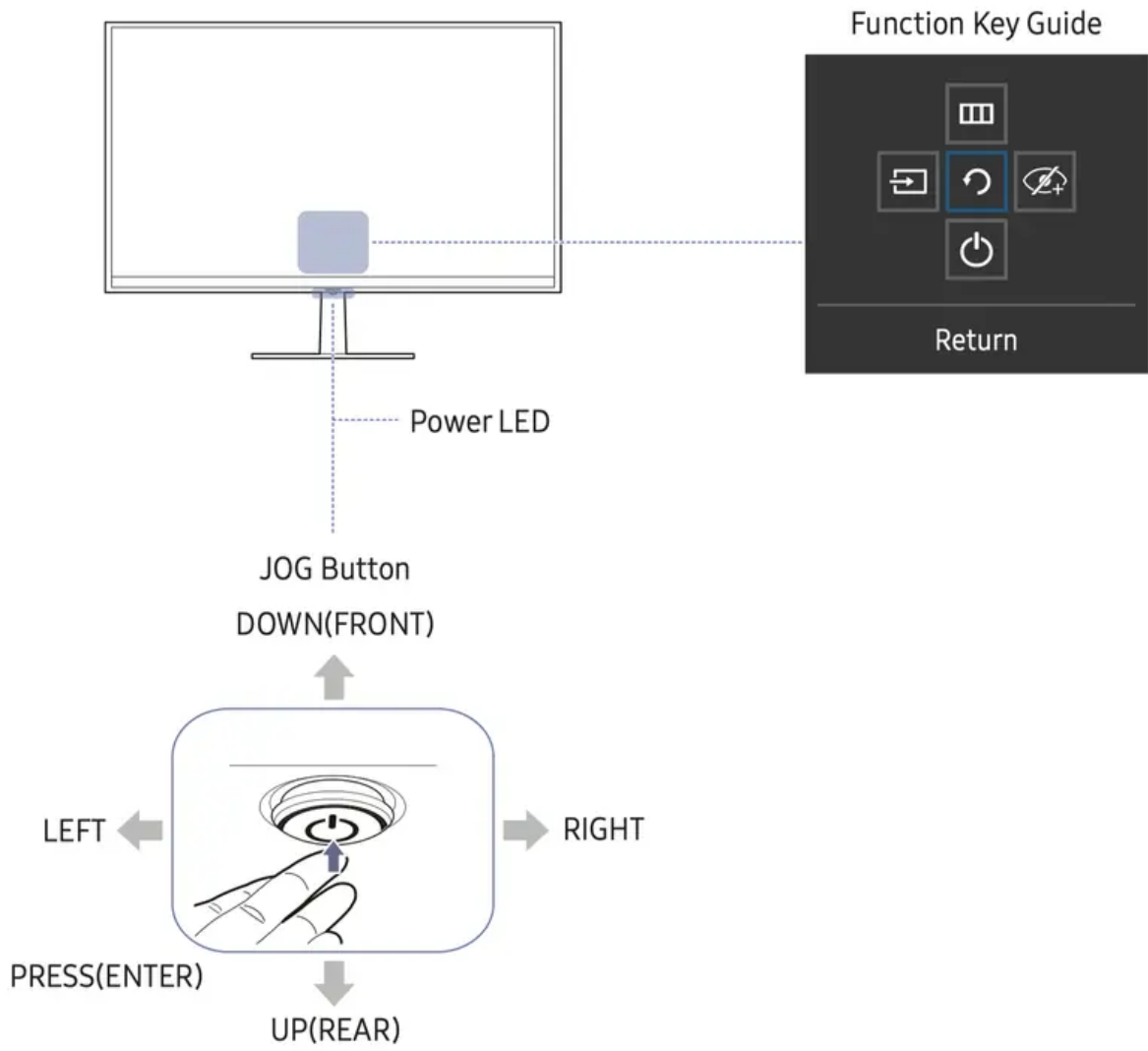
- Rest your eyes for more than 5 minutes or look at distance objects for every 1 hour of product use.
- Do not touch the screen when the product has been turned on for an extended period of time as it will become hot.
- Store small accessories out of the reach of children.
- Exercise caution when adjusting 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.


Preparations

Parts

Control Panel

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

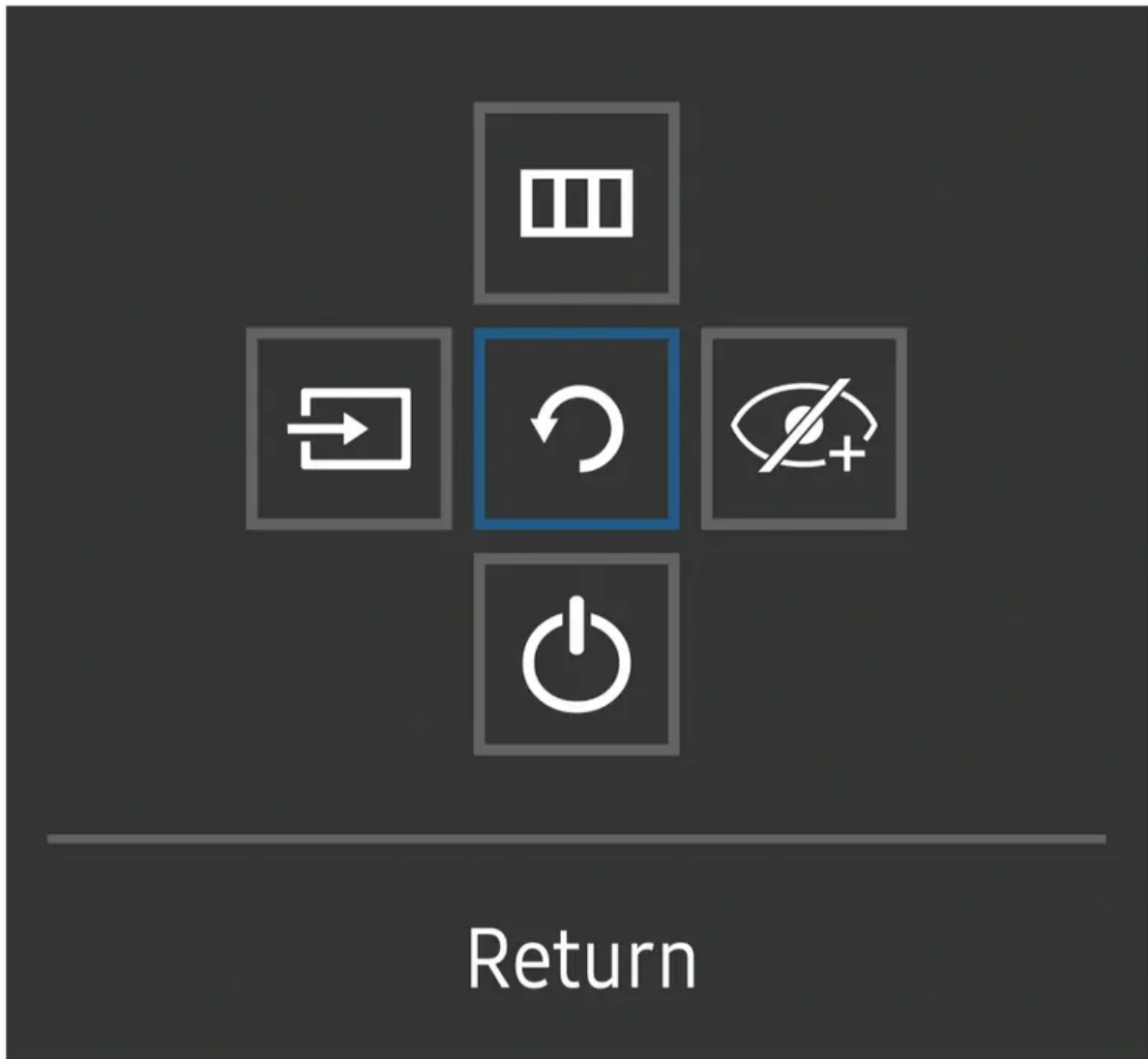


Parts	Description
<p>JOG Button</p>	<ul style="list-style-type: none"> • Multi directional button that helps navigate. <ul style="list-style-type: none"> ◦ JOG button is located in the bottom of the screen center, and has 5 directions as UP/DOWN/LEFT/RIGHT/PRESS(ENTER).
<p>Power LED</p>	<p>This LED is power status indicator and works as</p> <ul style="list-style-type: none"> • Power On (Power button): Power LED Off • Power saving mode: Power LED Blinking • Power Off (Power button): Power LED On <ul style="list-style-type: none"> ◦ The Power LED operation can be swapped by changing in the menu. (System → Power LED On) Function Key Guide may vary depending on the function or product model. Please refer to the actual product. ◦ Press the power button  on the JOG button to turn it on or off.
<p>Function Key Guide</p>	<p>Press the JOG button when the screen is turned on. The Function Key Guide will appear. To access the onscreen menu when the guide is displayed, press the corresponding direction button again.</p> <ul style="list-style-type: none"> • Function Key Guide may vary depending on the function or product model. Please refer to the actual product.

Function Key Guide

To use the Function Key Guide, press the JOG button when the screen is turned on. Then the following window appears.

















UP/DOWN/LEFT/RIGHT: Move to the item you want. The description for each item will appear when the focus changes.

When the product not displays the OSD menu, the JOG Button could be used as below.

- Up : Change the settings for **Brightness**, **Contrast**, and **Sharpness**.
- Down : Change the **Volume** setting.
- Left or Right : Change the **Source** setting.

PRESS(ENTER): The selected item will be applied.

Parts	Description
Source 	 Selects to change the input source by moving the JOG button in the Function Key Guide screen. A message will appear on the top left corner of the screen if the input source has been changed.
Menu 	 Selects by moving the JOG button in the Function Key Guide screen. This product shows the menu as an on-screen display. On screen display menu lock: Lock the on screen display menu to maintain the current settings or prevent other users from changing settings. Enable/Disable: To enable or disable the on screen display menu lock, display the "Menu" screen, move the JOG button to the right to go to the next stage, and then press and hold the button to the left for 10 seconds until the Function Key Guide disappears. <ul style="list-style-type: none"> • If the on screen display menu lock is enabled, Brightness and Contrast can be adjusted. Eye Saver Mode, Sound (Volume) and HDMI-CEC is available. Self Diagnosis and Information can be viewed.
Eye Saver Mode 	 Selects by moving the JOG button in the Function Key Guide screen. Press to enable or disable Eye Saver Mode. ( : On,  : Off) The items below are not available if the Eye Saver Mode function is enable. <ul style="list-style-type: none"> • Picture → Picture Mode, Brightness, Color, Game Mode • System → Eco Saving Plus
Power Off 	 Selects to turn the product off by moving the JOG button in the Function Key Guide screen.
Return 	Exit the Function Key guide menu by using the JOG button to select the  icon when the Function Key Guide screen is displayed.

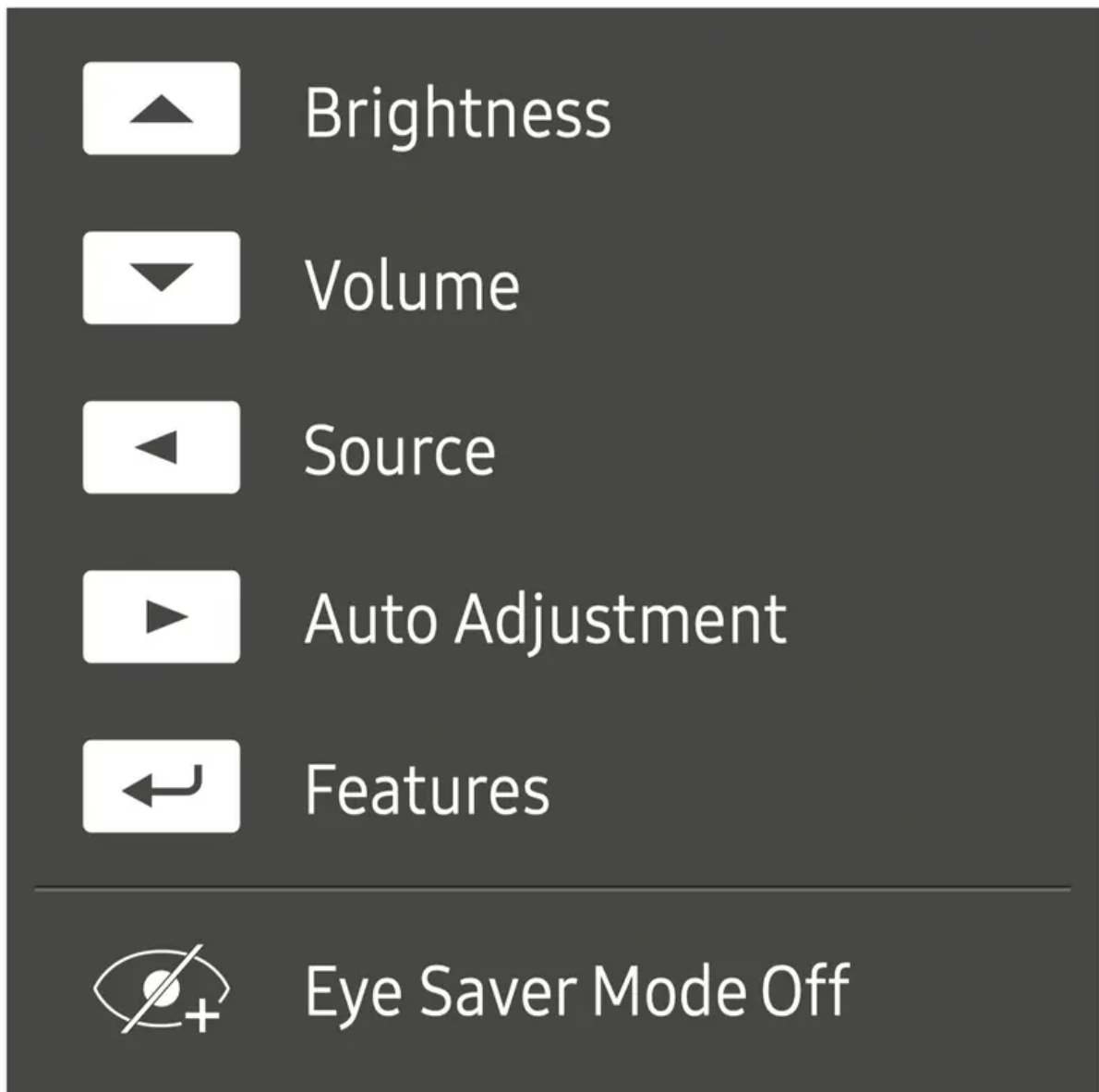
Direct Key Guide

On the Direct Key Guide screen, the following menu options appear when the product screen is switched on or the input source is changed.

The function buttons page shows if **Eye Saver Mode** is enabled.



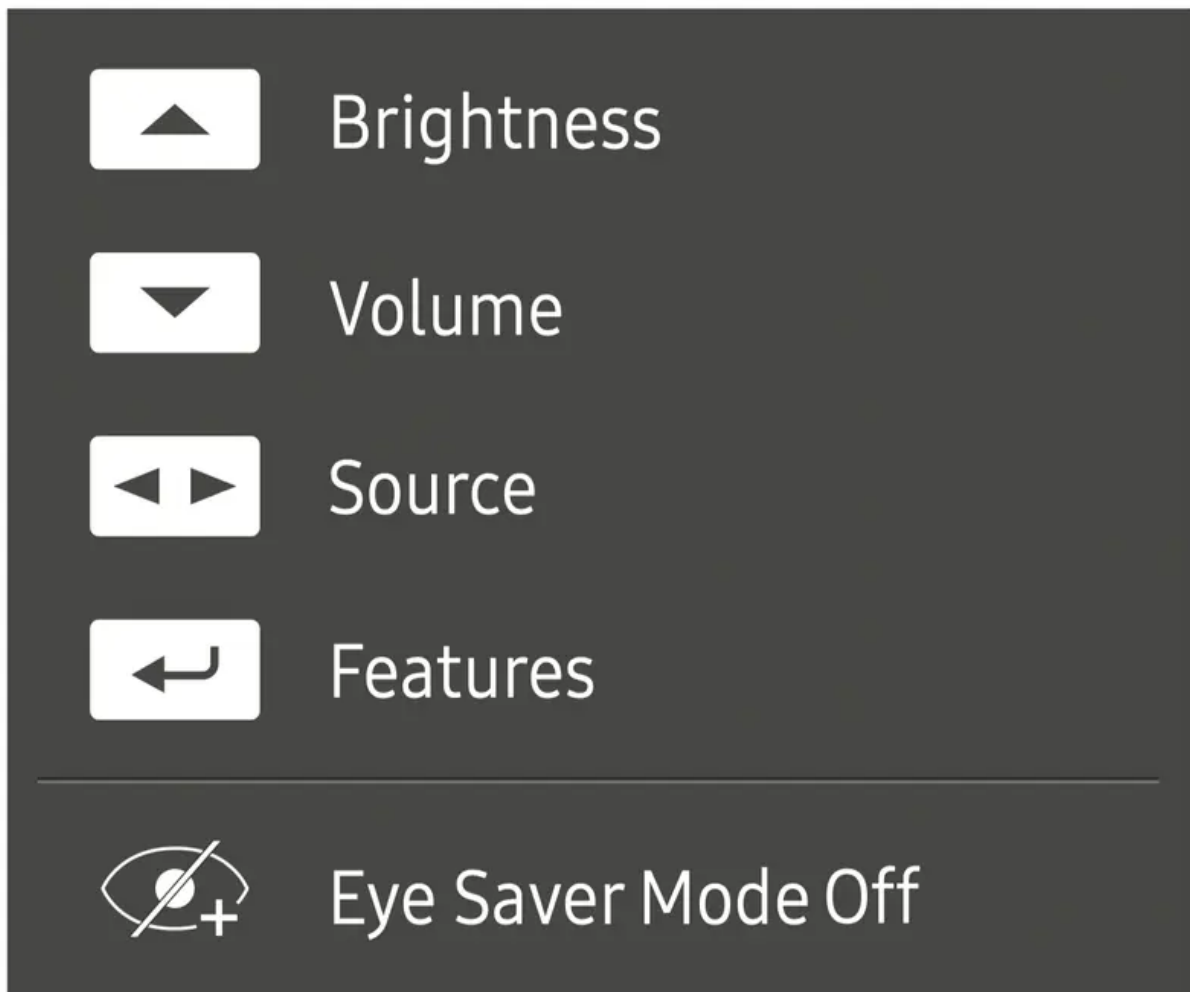
Analog mode



Analog mode option

- UP: Adjust **Brightness, Contrast**.
- DOWN: Adjust **Volume, Mute**.
- LEFT: Adjust **Source**.
- RIGHT: Adjust **Auto Adjustment**.
 - Changing the resolution in Display Properties will activate the **Auto Adjustment** function.
 - This function is only available in **Analog** mode.
- PRESS(ENTER): Display Function Key Guide.

HDMI, DisplayPort mode

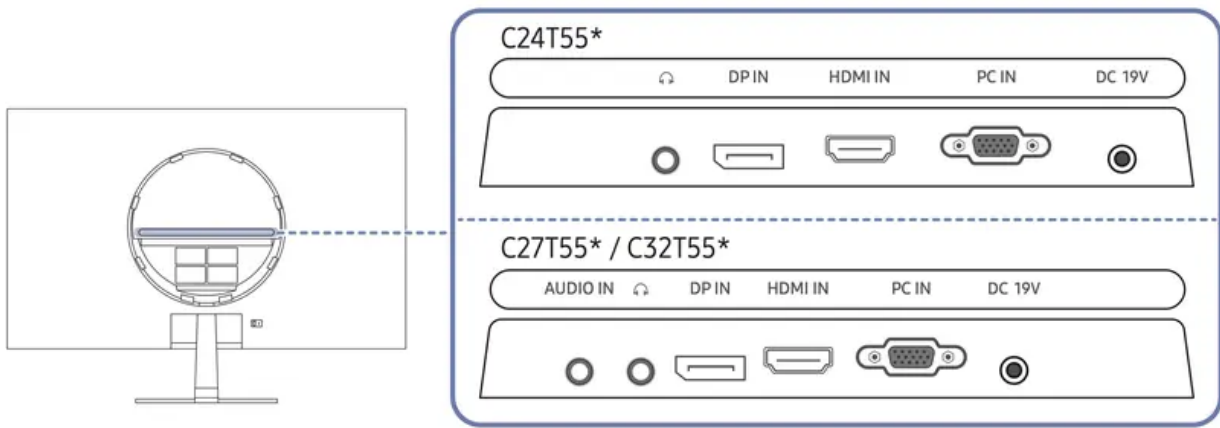







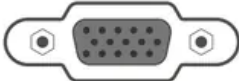
HDMI, DisplayPort mode option

- UP: Adjust **Brightness, Contrast, Sharpness.**
- DOWN: Adjust **Volume, Mute.**
- LEFT/RIGHT: Adjust **Source.**
- PRESS(ENTER): Display Function Key Guide.

Types of Ports

The functions available may vary depending on the product model. The color 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



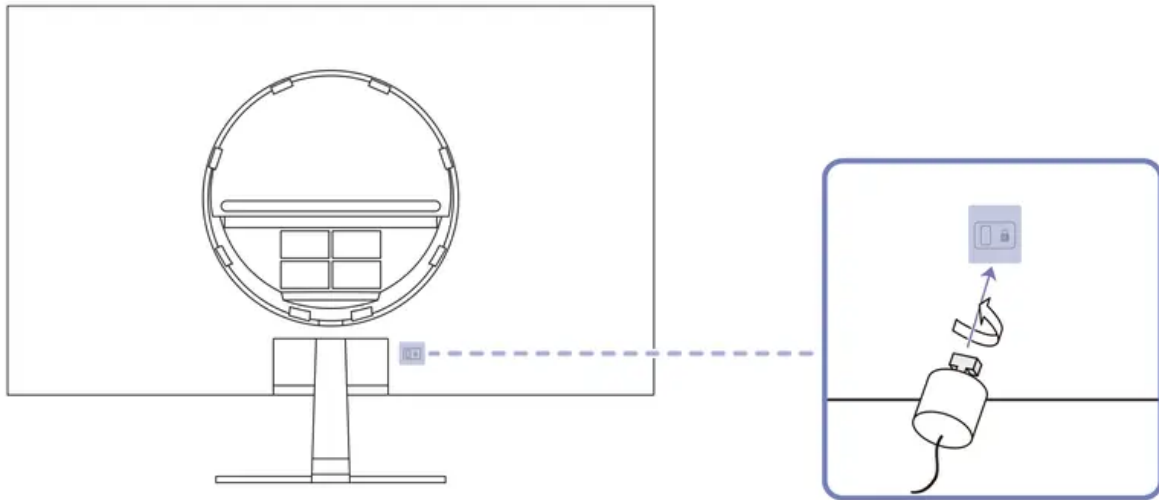
Port	Description
AUDIO IN 	Receives sound from a PC via an audio cable. — C27T55* / C32T55* model only.
 	Connect to an audio output device such as headphones or earphones.
DP IN 	Connects to a PC using a DP cable.
HDMI IN 	Connects to a source device using an HDMI cable or HDMI-DVI cable.
PC IN 	Connect to a PC using the D-SUB cable.

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.

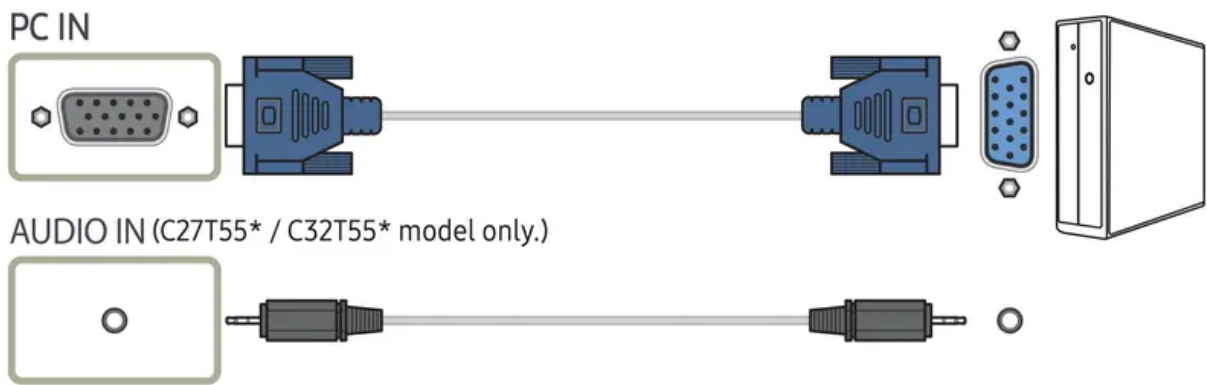
Connecting and Using a Source Device

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.
- First make sure that the power cables for product and other devices (e.g. PC, settop box, etc.) are removed.

Connection Using the D-SUB Cable (Analog Type)

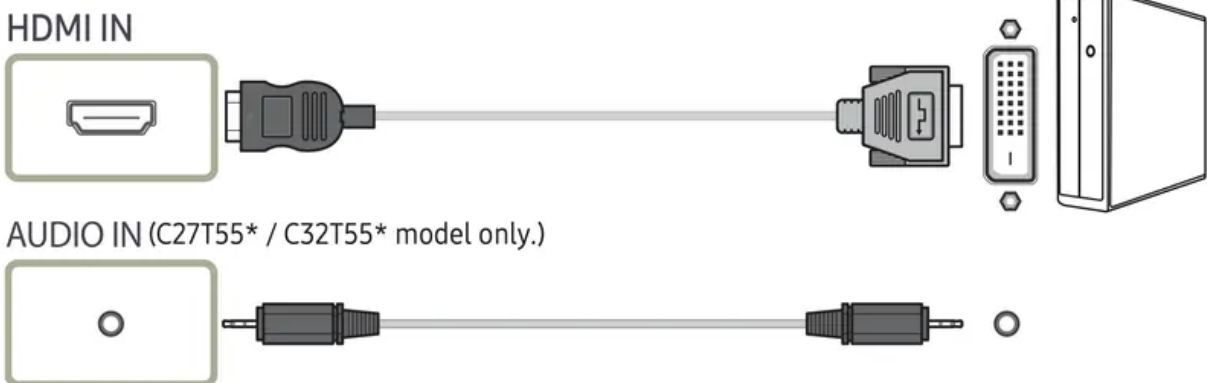



Connection Using the HDMI Cable



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

Connection Using an HDMI-DVI Cable



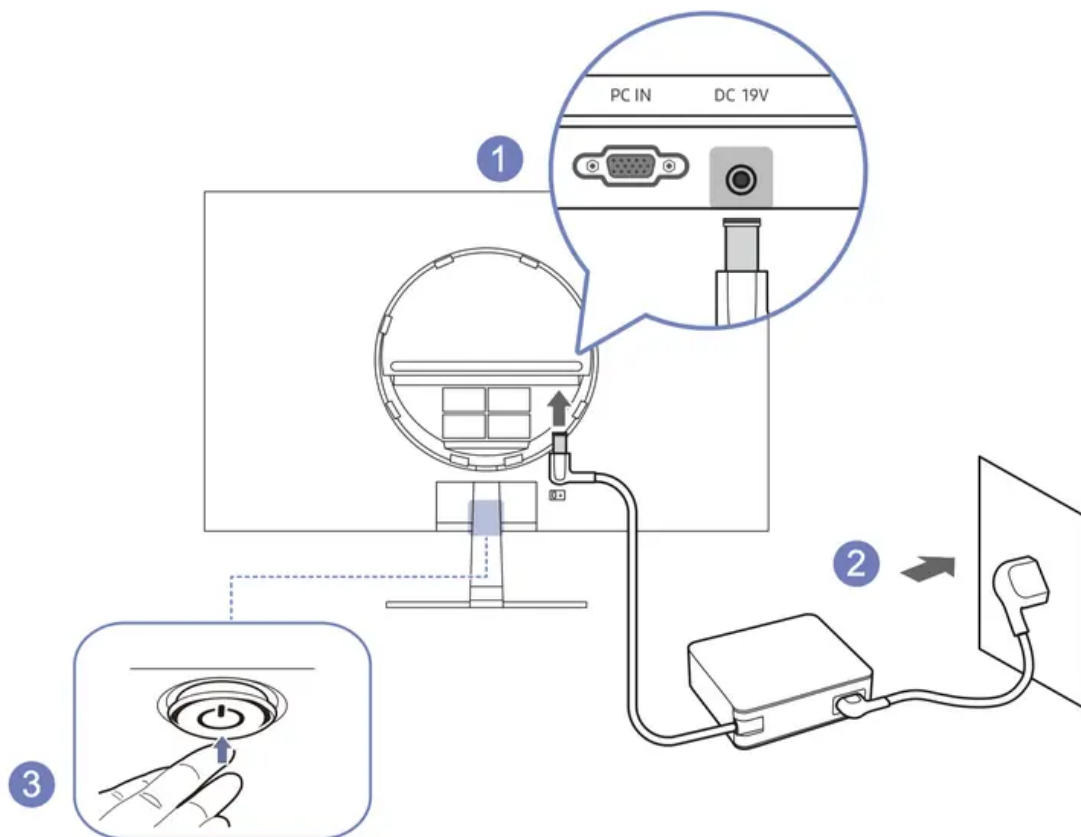
- The audio function is not supported if the source device is connected using the HDMI-DVI cable.
- The optimum resolution may not be available with an HDMI-DVI cable.
- If you connect a PC using a HDMI-DVI cable, set to DVI PC. ( → System → PC/AV Mode → HDMI)

Connection Using an DP Cable



A DP cable shorter under 1.5 m in length is recommended. Using a cable longer than 1.5 m can affect the picture quality.

Connecting the Power



1. Connect the power cable to the AC/DC adapter. Then, connect the AC/DC adapter to the DC 19V port on the back of the product.
2. Next, connect the power cable to the power outlet.
3. Press the JOG button at the bottom of the product to turn it on.
 - The input voltage is switched automatically.

Troubleshooting Guide

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 **Not Optimum Mode** message may appear for a short time or the screen may not be displayed properly.

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


Check the following.

Installation issue

- **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 PC manufacturer for further details about how to adjust the screen settings.)
- **The power plug cannot be removed from the power adapter.**
 - Do not remove the power plug after assembly.
 - The power plug may not be provided, depending on the model.

Screen issue

- **The power LED is off. The screen will not switch on.**
 - Check that the power cable is connected properly.
 - If a problem occurs with the product screen, run Self Diagnosis to check that the product is working 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.
 - Check that the device connected to the product is powered on.
 - If the product is in **HDMI** or **DisplayPort** mode, press the JOG button to display the Function Key Guide screen and select the  → **System** → **PC/AV Mode** → **HDMI : PC, AV or DVI PC / DisplayPort : PC or AV.**
- **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.36).
- **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.36) 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 color is inconsistent.**
 - Change the **Color** settings.
- **The colors 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** → **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 optimized for the PC resource.
 - Try playing the file on another video player.

Sound issue

- **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 program.
- **Video is available but there is no sound.**
 - Sound cannot be heard if an HDMI-DVI cable is used to connect the input device.
 - Connect the device using an HDMI cable or a DP cable.

Source device issue

- **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.

Q&A

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

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 **Screen 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** → **Screen Resolution** → **Adjust 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: Go to **Control Panel** → **Appearance and Personalization** → **Personalization** → **Screen Saver Settings** → **Power options** or BIOS SETUP on the PC.
- Windows 8(Windows 8.1): Go to **Settings** → **Control Panel** → **Appearance and Personalization** → **Personalize** → **Screen Saver Settings** → **Power options** or BIOS SETUP on the PC.
- Windows 10: Go to **Settings** → **Personalization** → **Lock screen** → **Screen timeout settings** → **Power & sleep** or BIOS SETUP on the PC.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.