

SAMSUNG

USER MANUAL

Before Reading This User Manual

This TV comes with this User Manual and an embedded e-Manual.

Warning! Important Safety Instructions

Please read the following important safety instructions before using your TV. Failure to do so may result in severe personal injury.

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

CAUTION: DANGER OF EXPLOSION IF BATTERIES ARE SWALLOWED. DO NOT RECHARGE, DISMANTLE, HEAT ABOVE 100°C (212°F), OR EXPOSE TO FIRE. REPLACE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

The symbol indicates that high voltage is present inside. Only qualified service technicians should service or repair any part of this product.

The symbol indicates that this product has included important information concerning operation and maintenance.

Crossed products: This symbol indicates that assembly or action is either not safe or not required. If this symbol is present on a product with the mains cord, the product MUST have a reliable connection to protective earth (ground).

AC Voltage: Rated voltage marked with this symbol is AC voltage.

DC Voltage: Rated voltage marked with this symbol is DC voltage.

Information about this symbol: see the symbol use and abuse items in the user manual for the safe and correct function.

Power

- Do not overload wall outlets, extension cords, or adapters beyond the voltage and capacity. It may cause fire or electric shock.
- Refer to the power specification section of the manual or to the power supply location of the product for a guide on usage information.
- Power supply cords should be placed so that they are not likely to be walked on or pinched by chairs or furniture, especially at wall outlets, and at the point where they exit from the appliance.
- Never insert anything metallic into the open ports of this product. (Except for service access holes.)
- Keep the television away from water and moisture. Do not expose the television set to rain or water. If water gets into the television set, unplug it immediately and contact a service center.
- Do not plug in the power cord until it is firmly seated. When unplugging the power cord from a wall outlet, always pull on the power cord's plug. Never pull on the cord or the power cord will become frayed or broken.
- If the power cord does not operate on fully-insulated cables, if there are any unusual sounds or smells from it, unplug it immediately and contact a service center.
- Do not short this apparatus from a light, a ground, or a power source intended for use only for a long time (especially when a No. 10 headlight or the like) as it may damage the circuit or cable system.
- Accumulated dust can cause an electric shock or an electric leakage, or fire by causing the power cord to generate sparks and heat or by causing the insulation to deteriorate.
- Use only a properly grounded three-prong wall outlet.
- An improper ground may cause electric shock or equipment damage. (Class II equipment only)
- Take off the AC power cord plug quickly if there is a wall outlet. To ensure you can unplug this apparatus quickly if necessary, make sure that the wall outlet and power plug are readily accessible.

Installation

- Do not place the apparatus near a window or the exhaust register, or where it is exposed direct sunlight.
- Do not place vessels/panses containing water or other liquids onto this apparatus, as this can result in electric shock.
- Do not expose this apparatus to rain or moisture.
- Be sure to contact an authorized Samsung service center for information if there is any sign of abnormality with the apparatus. Inflammable substances, highly volatile chemical solvents, or insecticides will operate 24 hours a day, so that in an effort, a fire may occur. Failure to do so may lead to serious damage to your TV.
- Do not expose this apparatus to dripping or splashing liquid.

Mounting the TV on a wall

- You must follow the instructions exactly as set out by the manufacturer. If it is not correctly mounted, the TV may fall and/or cause serious injury to you and/or damage to the TV.
- Samsung is not liable for product damage or personal injury where a non-Samsung or non-specified wall mount is used.

When the consumer fails to follow the product installation instructions.

- You must install your wall mount to the user's wall depending on the model. Before attaching the wall mount to your TV or the backplane board, contact your nearest dealer for additional information. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.
- When installing a wall mount kit, we recommend you listen to your VESA screws.
- If you want to install a wall mount kit that attaches to the wall using two screws only, be sure to use a Samsung wall mount or the supports listed in installation manual and feasible to purchase the type of wall mount kit, depending on the geographical area.
- Do not mount the TV more than 10 degrees.
- Standard dimensions for wall mounts are shown in the table on the TV for setup guide.

To avoid installing your wall mount kit to your TV when it is turned on. This may result in personal injury from electric shock.

- Do not use a wall mount kit that is longer than the standard dimension or does not comply with the VESA standard screw specifications, as using them may cause fire or damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, when the user uses screws and fittings supplied by the wall mount manufacturer.
- Do not tighten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury, serious damage to the TV, or both.
- Always have two people mount the TV onto a wall.

For 52 inch or larger models, have four people mount the TV onto a wall.

Providing proper ventilation for your TV

When you use a fan, TV stand, or a stand of a less than 10cm between the TV and the objects (two objects) next to it to ensure proper ventilation. Failure to maintain proper ventilation may result in the problem with the product caused by an increase in internal temperature.

If there is no fan, TV stand, or a stand of a less than 10cm between the TV and the objects (two objects) next to it to ensure proper ventilation, we strongly recommend you use parts provided by Samsung only. Use parts provided by another manufacturer may cause difficulties with the product's quality. (It is not recommended to use parts other than those provided by Samsung.)

Safety Precaution

Twisting & Tug: If you are going to leave your TV unattended, turn off the TV and use the TV stand in position, or ensure your children do nothing on or destabilize the TV. This action may cause the TV to tip, causing serious injuries and/or damage. If a child is allowed to play with your TV, provide adult supervision. If a child is allowed to play with your TV, provide adult supervision. You can purchase and install the anti-tip device, referring to "Preventing the TV from falling".

WIRELESS EQUIPMENT AND TELEVISION STAND: Unstable location. The television set may fall. Falling can cause personal injury or death. Heavy television sets should be anchored to prevent tipping. Wall mounting is recommended.

Always use one hand when moving methods, especially when carrying.

Always use furniture that can safely support the television set.

Always ensure the television set is not overcharging the edge of the supporting furniture.

Always educate children about the dangers of climbing on furniture to watch the television set.

Avoids heat and direct sunlight. Do not place the television set near a heater or radiator, or in direct sunlight, as they can overheat or catch fire.

Never place the television set in an unstable location, for example, on shelves or bookcases without anchoring both the furniture and the television set to a suitable support.

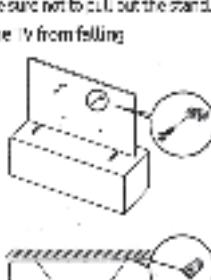
Never clean the television set with other materials that may be located between the television set and supporting furniture.

Never place items that might tempt children to climb, such as toys and remote controls, on the top of the television set or furniture on which the television is placed.

For a standing television set, it is going to be reassembled and cleaned, the same care and caution as a wall mount be applied.

If you have to relocate or lift the TV for replacement or cleaning, be sure not to pull out the stand.

Preventing the TV from falling



1. Using the appropriate screws, firmly fasten a set of brackets to the wall. Confirm that the screws are firmly attached to the wall.

- You may need additional material such as wall anchors depending on the type of wall.

2. Using the appropriate stand screws, firmly fasten a set of brackets to the TV.

- Refer to the specifications, refer to the standard screw chart in the table on the Quick Setup Guide.

3. Connect the brackets fixed to the TV and the brackets fixed to the wall with a flexible, heavy-duty string, and then tightening tightly.

- Install the TV near the wall so that it does not fall backward.

Connect the string so that the brackets fixed to the wall and the string are higher or lower than the brackets fixed to the TV.

NOTE: The images shown here are for illustrative purpose only and may be subject to change.

Operation

- The operating conditions in your community, there might be certain local regulations that require you to dispose of these bags properly. Please contact your local authorities for disposal or recycling information.
- Store the accessories (remote control, batteries, etc.) in a location safe from children.
- Do not attempt to disassemble, if the product is damaged, disconnect the power cord and contact a service center.
- Do not dispose of remote control batteries in the trash.
- Do not allow children to play with the batteries.
- CAUTION:** There is danger of explosion if you replace the batteries used in the remote with the wrong type of battery. Replace only with the same type.

WARNING: DANGER OF EXPLOSION. DO NOT RECHARGE.

PRE-KEEP CANDLES AND OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.



Caring for the TV

- To clean the TV, unplug the power cord from the wall outlet, and wipe the product with a soft cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, acetone, machine oil, lubricants, or detergents. These chemicals can damage the appearance of the TV or eat the printing on the panel.
- The exterior and screen of the TV change with time. Gently wipe the exterior and the screen carefully using a soft cloth to prevent scratches.
- Do not spray water or any liquid directly onto the TV. Any liquid that gets into the product may cause a failure, fire, or electric shock.

Internet security

Samsung takes a number of steps to protect its internet-connected Smart TVs against unauthorized users and hacking. For example, certain sensitive communications between the TV and the internet are encrypted. In addition, the TV's operating system has dedicated controls to prevent the installation of unauthorized applications. Although we take steps to protect your Smart TV and prevent infiltration in Internet-connected routers or gateways, it is completely secure. We therefore encourage you to take additional steps to safeguard your TV: secure your Internet connection, and minimize the risk of unauthorized access. These steps are listed below.

- When Samsung releases software updates to improve the security of your TV, you should promptly install those updates. To automatically receive these updates, turn on Auto Update in the TV's menu. When an update is available, a pop-up message appears on the TV so you can accept the software download and update by selecting Yes when prompted. Take steps to secure your wireless access point and network. Your wireless point's manual should provide additional details about how to implement the following measures:
 - Secure your wireless access points management setting with a unique password to prevent unauthorized users from accessing your network.
 - Implement standard encryption (WPA2) and spatial frequency for your wireless access point to secure your wireless network signal.
 - Secure access to your wireless network with a hard-to-guess password.
 - If your access point or modem has a standby mode button, use it to disconnect your home network from the Internet when it's not in use.
- Use strong passwords for all your Internet accounts (Twitter, Facebook, etc.).
- If any unexpected messages appear on your TV screen requesting permission to take down malicious code or a session, do NOT accept.
- Do not visit suspicious websites and do not install suspicious programs. We recommend that users avoid using proxy servers or bridges induced by Samsung (including Samsung Smart Hub).

01 Initial Setup

We suggest that you go through the following steps to initial setup. Follow the instructions below to set up the screen and configure the TV's basic settings to suit your viewing environment.

Using the TV Controller

Turn on the TV with the TV controller at the bottom of the TV, and then use the Control menu. The Control menu provides the TV controller with a specific white bar.

- This section explains if the protective film on the SAMSUNG logo on the bottom of the TV has been detected. Please remove the protective film.



① Protective film

② TV Controller / Remote Control sensor

Setting the sound sensor

- The function is supported only for QM8500/QM8500 Series.
- Turn the TV on and press the left or right button to turn on the sound sensor to the direction toward to turn on it.
- Turn the TV on and press the left or right button to turn on the sound sensor to the direction toward to turn on it.

NOTE: The images shown here are for illustrative purpose only and may be subject to change.

Set volume control

- The position and shape of the sound sensor may differ depending on the model.
- During energy use, after the sound sensor is detected, it will be turned off.

02 Troubleshooting and Maintenance

Troubleshooting

For more information, see "Troubleshooting" or "FAQ" in the "e-Manual".

- The TFT LCD panel is made up of subpixels which require specialized technology to produce. There may be, however, a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- To keep your TV up-to-date and have upgrade to the latest software, use the Update Now/Auto Update function on the TV's menu.

The TV won't turn on

- Make sure that the AC power cord is securely plugged in to the TV and the wall outlet.
- Make sure that the wall outlet is working and the main external switch of the TV is turned on and glowing a solid red.
- Try pressing the TV On/Off button at the bottom of the TV. Make sure that the problem is not with the remote control. If the TV turns on, refer to the remote control; does not work?

The remote control does not work

- Check if the remote controller at the bottom of the TV blinks when you press the remote's Power button.
 - NU Series: If it does not blink, replace the remote controller batteries. Make sure that the batteries are installed with their poles (+/-) in the correct direction. Alkaline batteries are recommended for longer battery life.
 - Q Series: When the remote's battery is discharged, turn over the remote control, to charge with indoor light, or use the USB charging port.
- Try pointing the remote directly at the TV from 5 to 6 ft. (1.5~1.8m) away.
- If your TV came with a Samsung Smart Remote (SR), make sure to turn the remote to the TV.

Eco Sensor and screen brightness

Eco Sensor adjusts the brightness of the TV automatically. This feature measures the light in your room and optimizes the brightness of the TV automatically to reduce power consumption. If you want to turn this off, go to

- The eco sensor is located at the bottom of the TV. Do not block the sensor with any object. This can decrease picture brightness.

03 Specifications and Other Information

Specifications

Display Resolution

4000x2160 QLED Series, 1920x1080

Sound (Output)

6.0ch JA025WJA03WQA07W Series 20W

CS8 Series 40W

CPA7000 Series 150W, 40W

CPA7000 Series 150W-80W, 60W

CPN/A7000 Series 70W

CPN/A7000 Series 50W, CPN/A7000 Series 70W

CPN/A7000 Series 100W, 20W

CPN/A Series 6.0ch 40W

CPN/A Series 6.0ch 50W

CPN/A Series 6.0ch 70W

CPN/A Series 6.0ch 80W

CPN/A Series 6.0ch 100W

CPN/A Series 6.0ch 120W

CPN/A Series 6.0ch 140W

CPN/A Series 6.0ch 160W

CPN/A Series 6.0ch 180W

CPN/A Series 6.0ch 200W

CPN/A Series 6.0ch 220W

CPN/A Series 6.0ch 240W

CPN/A Series 6.0ch 260W

CPN/A Series 6.0ch 280W

About the Buttons on the Samsung SolarCell Remote (Samsung Smart Remote)

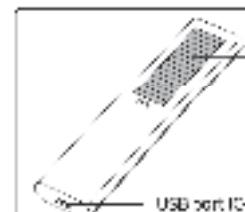
The Accessibility Shortcuts button on your remote provides easy access to the accessibility features on your TV.

Press and hold the volume button to display the Accessibility Shortcuts menu.

To charge by recycling
go to cellRecycling;
email 1400-400-0007



CC/PP works the same as CC/AD. The marked items can be changed to CC/PP.



SolarCell
Expose to light when the remote is not in use. This will extend the remote's operating time.

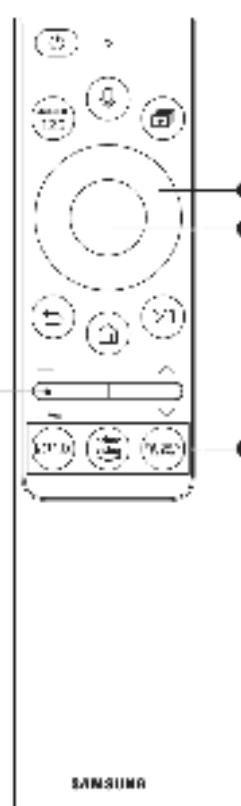
USB port (C-type) for charging.
Used for quick charging. The LED on the front will light when charging. When the battery is fully charged, the LED will turn off.
+ The USB Cable is not provided.

NOTE: The remote control vary depend of model. The buttons on remote control may have a different name or location than the remote control shows in this manual.



Fire or explosion may occur, resulting in damage to the remote control or personal injury.

- + Do not apply shock to the remote control.
- + Be careful not to let foreign substances such as metal, liquid, or dust come in contact with the charging terminal of the remote control.
- + When the remote control is damaged or you smell smoke or burning smells, immediately stop operation and then reprint.
- + Do not arbitrarily disassemble the remote control.
- + Be careful not to let infants or pets suck or bite the remote control. Fire or explosion may occur, resulting in damage to the remote control or personal injury.



SAMSUNG

Button	Description
① Power	Press to turn the TV on or off. For the Frame model: When watching TV, press to switch to Art mode. In Art mode, press to switch back to TV. Press and hold for 3~5 sec to turn off the TV completely.
② Voice Assistant	For Voice Assistant. Press and hold the button, say a command, and then release the button to activate Assistant. + The supported Voice Assistant languages and features may differ by geographical region. + Keep the device more than 0.5 inches (0.24 m) from your face when using and speaking to Voice Assistant through the microphone on the remote.
③ Color Number button	Each time you press the button, the colored buttons switch and the last button selected are displayed alternately. + Use this button to access additional options that are specific to the feature in use. + Press and hold the button, enter a color key, and then enter five digits. Select numbers and the color Done to enter a name to save. Use to change the channel, enter a PIN, enter a difficult code, etc.
④ Multi View	Press the button to directly enter the Multi View function.
⑤ Directional button (up, down, left, right)	Use to navigate the menu or move the focus to highlight items on the Home screen.
⑥ Select	Selects or取消s a focused item. When pressed while watching a broadcast, program, details, or game info in reports.
⑦ Record	Press to return to the previous menu. When pressed for 1 second or more, the recording function is activated. While recorded while you are watching a program, the previous channel appears.
⑧ Home HUB	Press to return to the Home Screen.
⑨ Key pause	When pressed, the playback controls appear. Using these controls, you can control the media content that is playing. To use Game Bar, press and hold the button in Game Mode. + Game Bar may not be supported depending on the model or geographical area.
+/-(Volume)	Move the button up or down to adjust the volume. To mute the sound, press the button.
△/×(Channel)	Move the button up or down to change the channel. To exit the Guide screen, press the button. Press and hold the button up or down to quickly change the channel.
⑩ Launch app button	Launch the app indicated by the button.
⑪ (Pairing)	If the Samsung Smart Remote does not pair to the TV automatically, pair it by the front of the TV and then press and hold the ① Power + ⑩ Pairing buttons simultaneously for 7 seconds or more.

Use the Samsung Smart Remote less than 20 feet/6 m from the TV. The usable distance may vary with the wireless environmental conditions.

The Images, buttons and functions of the Samsung Smart Remote may differ with the model or geographical areas. The Universal Remote function operates normally only when you use the Samsung Smart Remote that comes with the TV. It's recommended to use an original Samsung charger. Otherwise, it may cause performance degradation or failure of the product. In this case, the warranty coverage is not applicable.

- When the remote control does not work, please set a channel to watch the UHF-TV channel.

Using Accessibility Functions (may differ with model)

Accessing your TV's accessibility functions

The Accessibility Shortcuts button on your remote provides easy access to the accessibility functions on your TV.

- + Press and hold the button for 5 seconds to display the Accessibility Shortcuts menu.
- + Some functions may not appear depending on the accessibility.

Voice Guide Settings

You can select voice guide destination by the menu option. To activate the function, select Voice Guide on the TV. While Guide on, the TV provides voice guides for channel change, volume adjust, information on current broadcast program, etc., during viewing on the TV. It is also available in the Web Browser and in Search.

- + You can change the volume, speaker, pitch, and level of the voice guide.
- + The Voice Guide is provided in the language that is specified on the Language option. English is always supported.

- However, some languages are not supported by Voice Guide even though they are listed in the Language screen.

TV Background Volume

By default, the volume of the background content is set to be low so that you can hear the voice guide clearly. When the content volume drops low while the voice guide is coming out, you can adjust the content volume.

Picture Off

Turn on the Picture Off function and provide only sound to reduce overall power consumption when you press any button on the remote control until the screen off. The TV's screen is turned off.

Graphic Zoom

Enlarge the screen to make the picture easier to look. You can adjust the zoom level in movie, game area,

Audio/Video Description

You can watch an audio guide that provides an alternative of video scenes to the visually impaired. This function is only available with broadcasts that provide this service.

High Contrast

You can change major service contents to white text on a black background and change the contrast with TV screen to adapt so that text can be more easily read. To activate this function, set High Contrast to On.

Grayscale

You can change the color of the TV screen to grayscale to make it easier to watch.

- + If Grayscale is on, some Accessibility menus are not available.
- + This function may not be supported depending on the model or geographical area.

Color Inversion

You can invert the colors of the text and background for the reading menu displayed on the TV screen to make it easier to read them.

- + If ColorInversion is on, some Accessibility menus are not available.
- + This function may not be supported depending on the model or geographical area.

Enlarge

You can enlarge the size of the font on the screen. To activate, see Enlarge on Learn TV Remote.

This function helps individuals with visual impairment to learn the positions of the buttons on the remote control. When this function is activated, you can press a button on the remote control and the TV will tell you its name. Press the **① Return** button twice to exit Learn TV Remote.

Learn Menu Screen

Learn the menu on the TV screen. Once enabled, your TV will tell you the structure and features of the menu you selected.

Caption Settings

Set Caption to On to watch programs with the captions displayed.

- + Captions are not displayed by programs that do not support captions.
- + This function has no relationship with the features for controlling subtitles of DVD or Blu-ray players. To control DVD or Blu-ray subtitles, use the subtitle feature of the DVD or Blu-ray player and the player's remote control.

Separate Closed Caption

- + You can display the caption in the area separated from the broadcast screen.

Caption Mode

- + Default / CC1 - CC4 / Text1 - Text4

Operates in the analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcast signal, the analog caption function may not always work with digital channels.)

- + Default / Service1 - Service6 / CC1 - CC4 / Text1 - Text4

Operates with digital channels. These functions may not be available in digital caption mode depending on the broadcast.

Digital Caption Options

You can change the font color, background color, size settings, and position.

- + The foreground and background colors and opacity settings cannot be the same.
- + The Position function is activated only for programs that support broadcast captions.

Multi-output Audio

You can turn on the TV speaker and a Bluetooth device at the same time. When it is turned on, you can set the volume of the Bluetooth device higher than the volume of the TV speaker.

- + This function may not be supported depending on the model or geographical area.

Sign Language Zoom Settings

Turn on or off the sign language zoom when the program you are watching provides it. First, set Sign Language Zoom to On, and then set the Sign Language Zoom to change the position and magnification of the sign language screen.

Remote Button Repeat Settings

You can configure the repetition speed of the remote control buttons so that they slow down when you continually press and hold them. First, set SlowButtonRepeat to On, and then specify the duration in seconds in Repeat Interval.

Licences

Dolby Audio

DA

HDMI HEVC Advanced

QUICKSET
now guide
HDMI

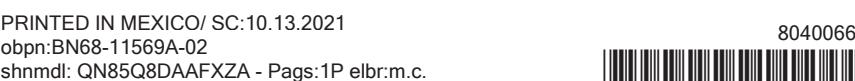
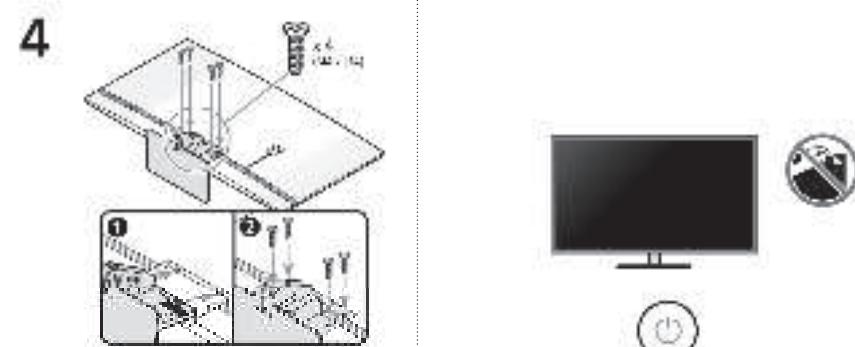
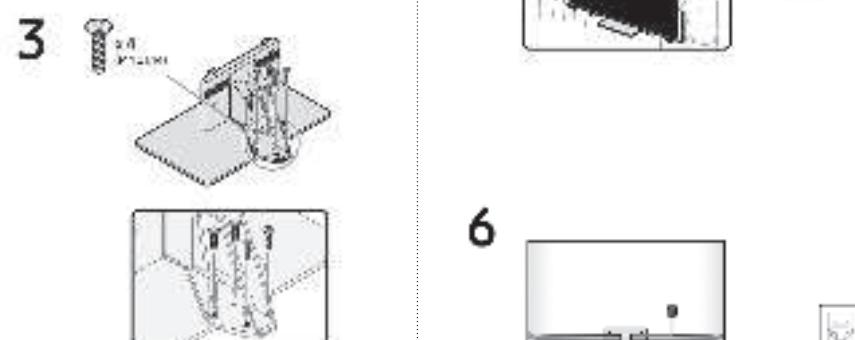
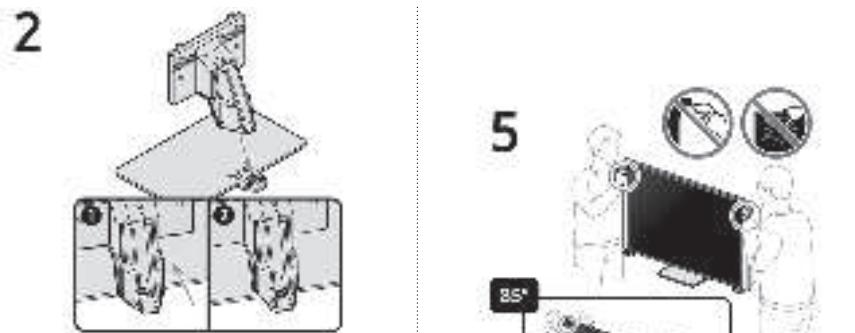
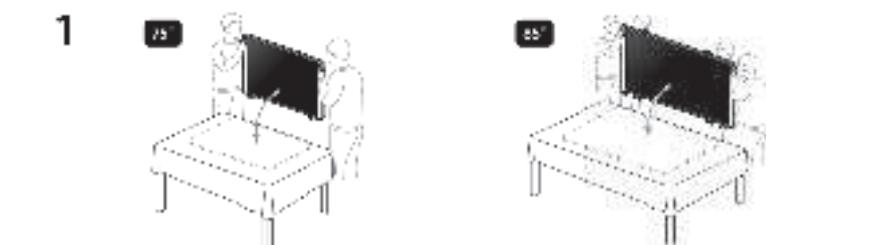
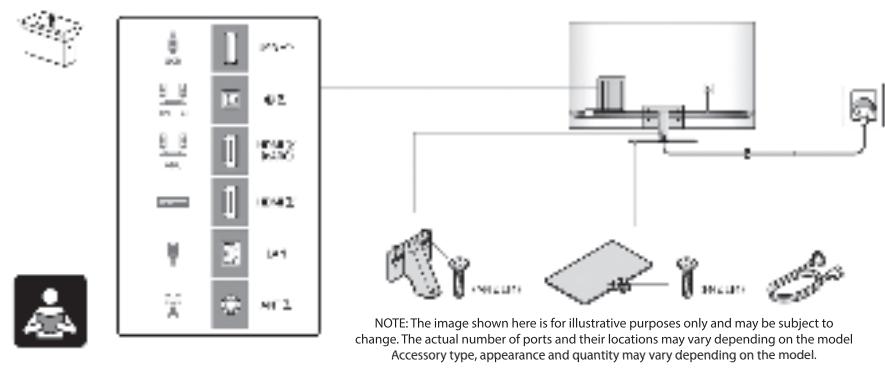
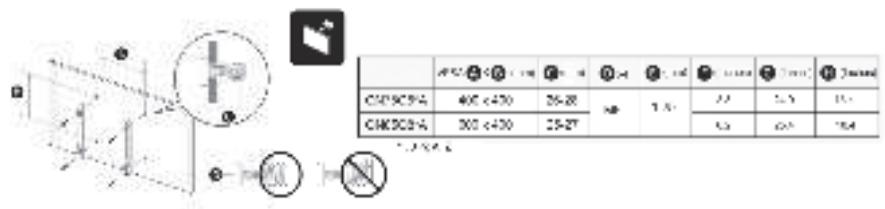
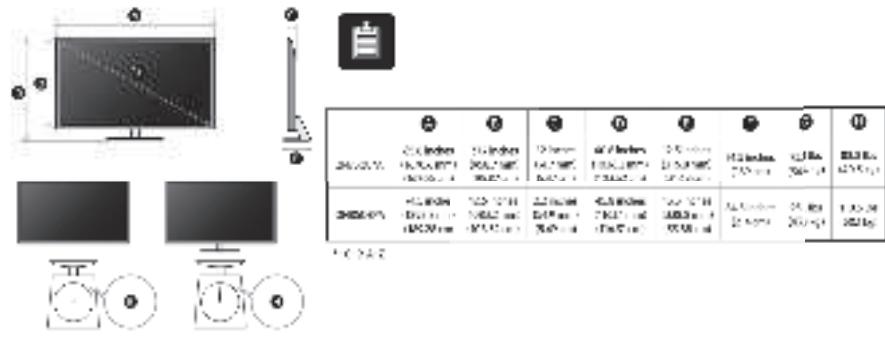
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QUICK GUIDE

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