



SAMSUNG QM32R-B 32 Inch LED-backlit LCD Display User Manual

[Home](#) » [Samsung](#) » SAMSUNG QM32R-B 32 Inch LED-backlit LCD Display User Manual

Contents [[hide](#)]

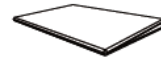
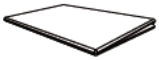
- 1 SAMSUNG QM32R-B 32 Inch LED-backlit LCD Display
- 2 Checking the Components
- 3 Parts
- 4 Ports
- 5 Control menu
- 6 Administrator menu (Supported models: QMR-T)
- 7 Precautions when handling the panel
- 8 Before Installing the Product (Installation Guide)
- 9 Installing the Wall Mount
- 10 Touchscreen monitor
- 11 Connecting the touch overlay
- 12 Connecting the touchscreen monitor
- 13 Configuring the touchscreen monitor settings
- 14 General
- 15 Preset Timing Modes
- 16 Licence
- 17 Documents / Resources
 - 17.1 References
- 18 Related Posts

SAMSUNG

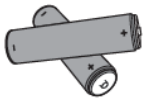
SAMSUNG QM32R-B 32 Inch LED-backlit LCD Display



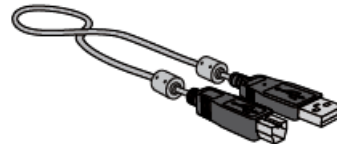
Checking the Components



- Quick Setup Guide
- Warranty card (Not available in some locations)
- Regulatory guide
- Power cord



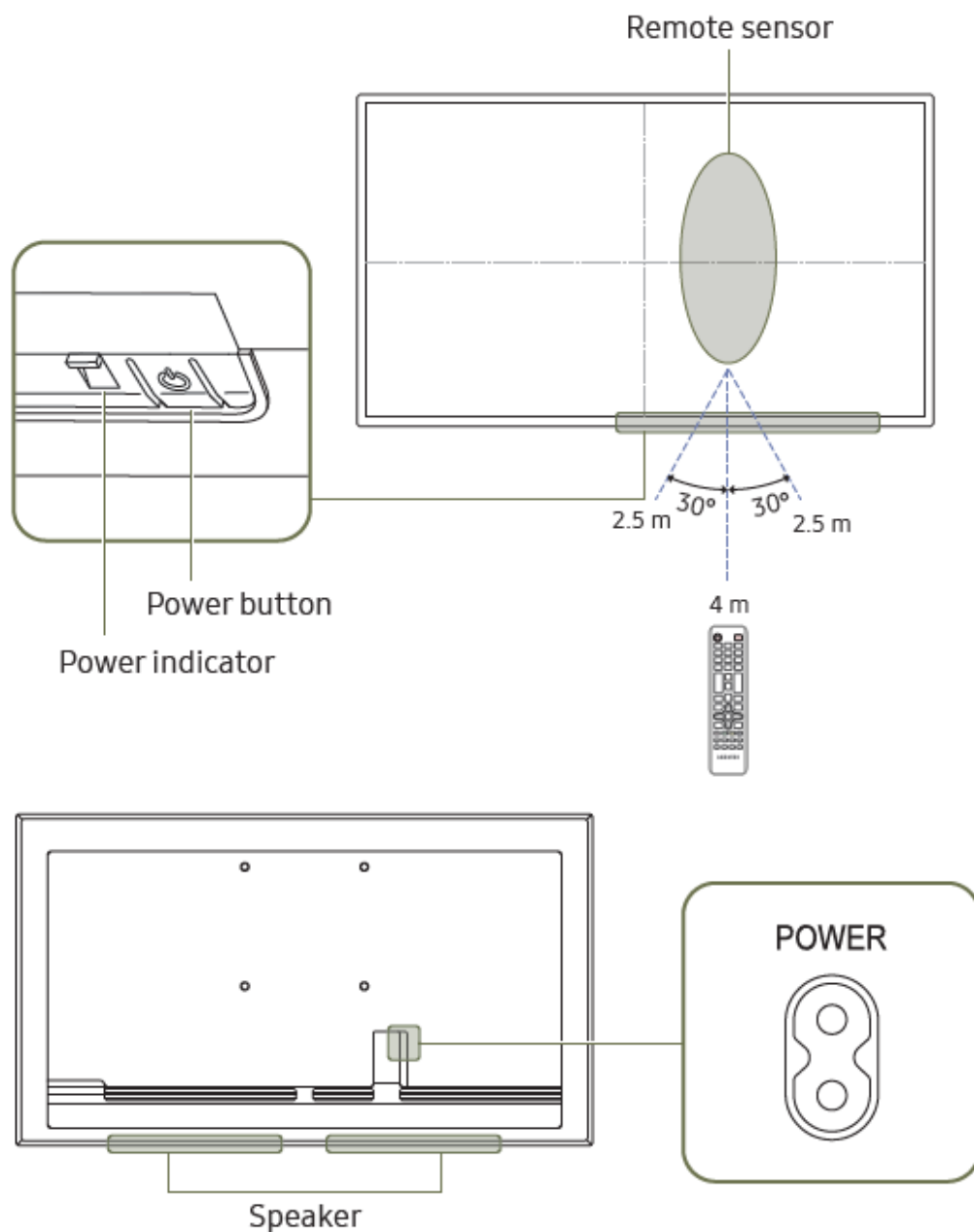
- Batteries (AAA x 2) (Not available in some locations)
- Remote Control
- RS232C adapter
- HOLDER-CABLE (Supported models: Q*65R, Q*75R, Q*85R, QB98R, QE82R)



- Holder-Ring x 4 (Supported models: Q*43R, Q*49R, Q*50R, Q*55R, Q*65R, Q*75R, QM43R-T, QM55R-T)
- TOUCH OUT cable x 2 (Supported models: QMR-T)

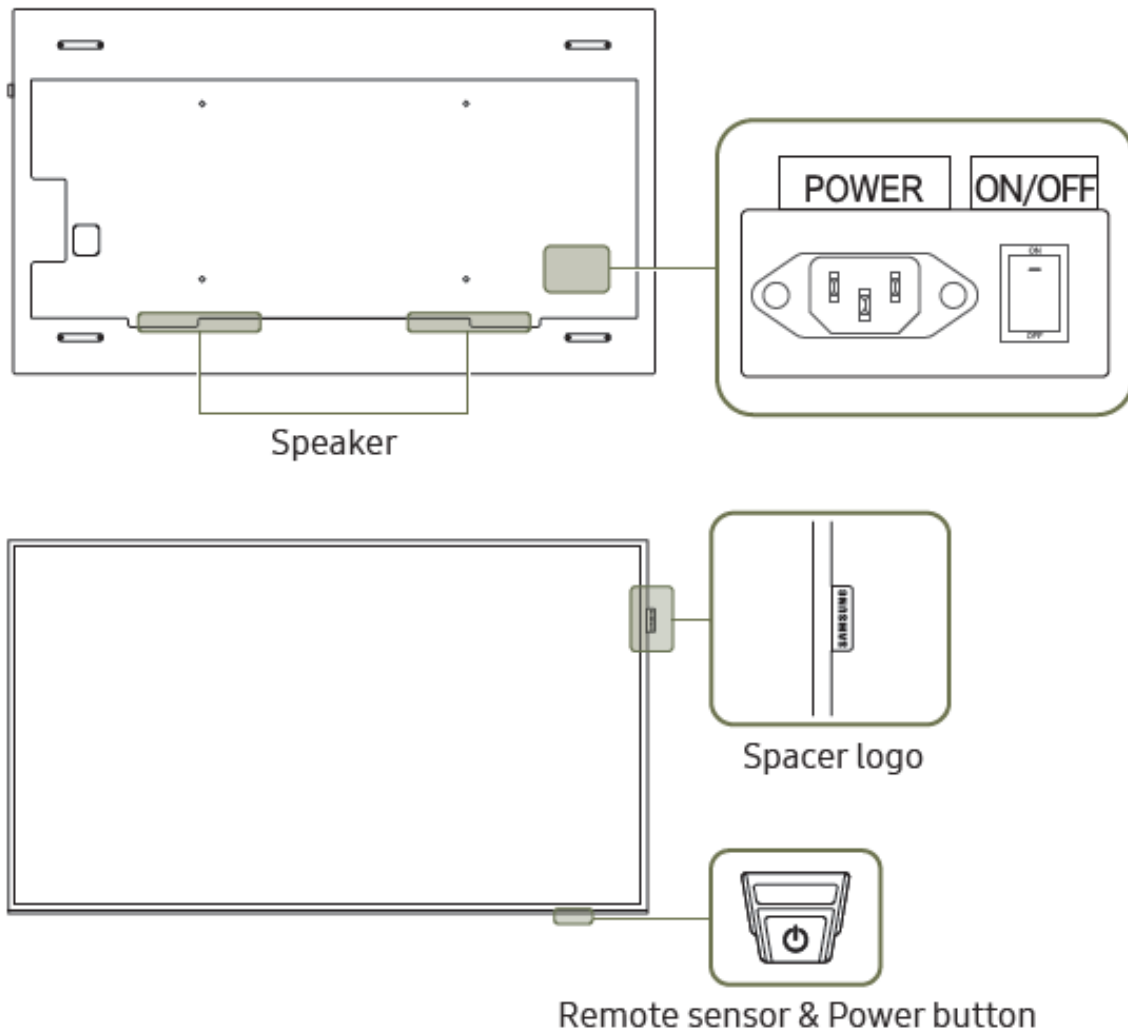
Parts

QM32R/Q*43R/Q*49R/Q*50R/Q*55R/Q*65R/Q*75R/Q*85R/QE82R/QM32R-T/QM43R-T/QM55R-T



| Parts | Description |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remote sensor | Press a button on the remote control pointing at the sensor on the front of the product to perform the corresponding function. " Using other display devices in the same space as the remote control of this product can cause the other display devices to be inadvertently controlled. |
| Power button | Turns the product on or off. |

QB98R



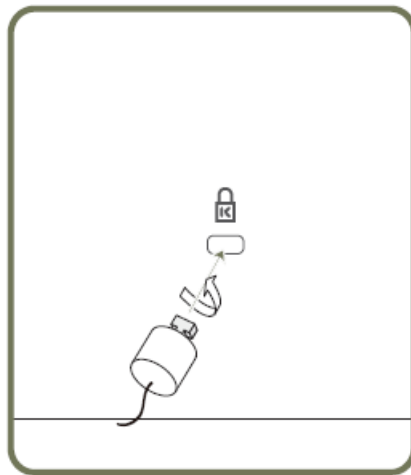
| Parts | Description | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Spacer logo | Do not pull on the spacer logo using force. The logo may tear or break off. | |
| Remote sensor | Press a button on the remote control pointing at the bottom of the product face to perform the function. The remote control sensor is located on the bottom of the product. " Using other display devices in the same space as the remote control of this product can cause the other display devices to be inadvertently controlled. | |
| | | To use remote/eco sensor, make sure the sliding power button is protruding from the bottom of the product. |
| Power button | | To use the power button, make sure the sliding power button is not protruding from the bottom of the product. |

Use the remote control within 7 m to 10 m from the sensor on the product at an angle of 30° from the left and right.
” To enhance the IR receiver performance, connect an external IR cable (sold separately) to the IR IN port.

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. ” The following images are for reference only. Real-life situations may differ from what is shown in the images.
- Supported model: QB98R

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.

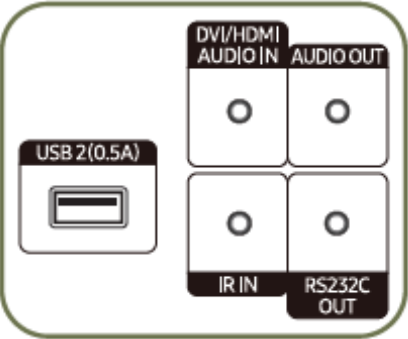
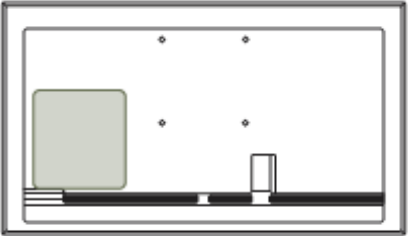
Ports

Q*43R/Q*49R/Q*50R/Q*55R/Q*65R/Q*75R/Q*85R/QE82R

| | |
|-------------------------------------------------------------------------------------|---------------------|
|  | USB1 (1.0A) |
|  | RJ45 |
|  | RS232C IN |
|  | DVI/ MAG/INFO IN |
|  | HDMI IN1 (ARC) |
|  | HDMI IN 2 |

| | |
|-------------------------------------------------------------------------------------|-------------------|
|  | USB1 (1.0A) |
|  | RJ45 |
|  | RS232C IN |
|  | DVI IN |
|  | HDMI IN1 (ARC) |
|  | HDMI IN 2 |

| | |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | USB1 (1.0A) |
|  | RJ45 |
|  | RS232C IN |
|  | DVI/ MAG/INFO IN |
|  | HDMI IN1 (ARC) |
|  | HDMI IN 2 (DAISY CHAIN IN) |
|  | DP IN (DAISY CHAIN IN) |
|  | HDMI OUT (DAISY CHAIN OUT) |

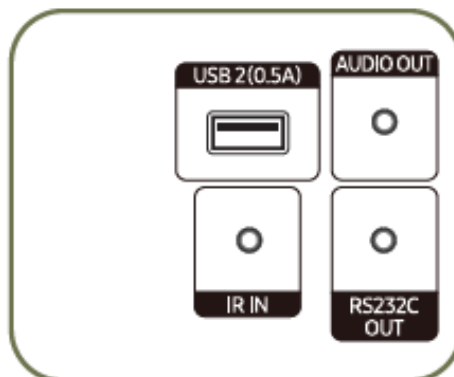
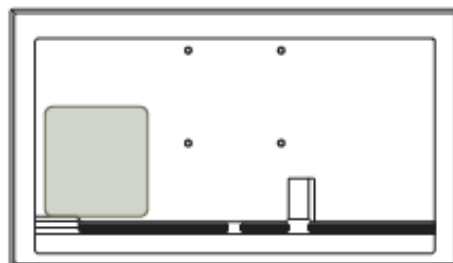


| Port | Description |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB 1 "(1.0A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 1.0 A. If the maximum value is exceeded, USB ports may not work. |
| RJ45 | Connects to MDC and the Internet using a LAN cable. (10/100 Mbps) " Use Cat7(*STP Type) cable for the connection. *Shielded Twist Pair. |
| RS232C IN | Connects to MDC using an RS232C adapter. |
| DVI/MAGICINFO IN | DVI IN: Connects to a source device using a DVI cable or HDMI-DVI cable. MAGICINFO IN: Connects to a network box using DP-DVI cable to use Magicinfo. |
| DVI IN | |
| HDMI IN 1 (ARC) | Connects to a source device using a HDMI cable or HDMI-DVI cable. |
| HDMI IN 2 | |
| HDMI IN 2 (DAISY CHAIN IN) | <ul style="list-style-type: none"> Connects to a source device using a HDMI cable or HDMI-DVI cable. Connects to another product using a HDMI cable. |
| DP IN (DAISY CHAIN IN) | Connects to a PC using a DP cable. |
| HDMI OUT (DAISY CHAIN OUT) | Connects to another product using a HDMI cable. |
| USB 2(0.5A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 0.5 A. If the maximum value is exceeded, USB ports may not work. |
| DVI/HDMI AUDIO IN | Receives sound from a source device via an audio cable. |
| AUDIO OUT | Outputs sound to an audio device via an audio cable. |
| IR IN | Connects to an external IR cable that receives signals from the remote control. |
| RS232C OUT | Connects to MDC using an RS232C adapter. |

QM32R

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











| | |
|-------------------------------------------------------------------------------------|----------------------------|
|  | USB1 (1.0A) |
|  | HDMI IN1 (ARC) |
|  | RJ45 |
|  | RS232C IN |
|  | HDMI IN 2 (Daisy Chain IN) |
|  | DP IN (Daisy Chain IN) |
|  | HDMI OUT (Daisy Chain OUT) |

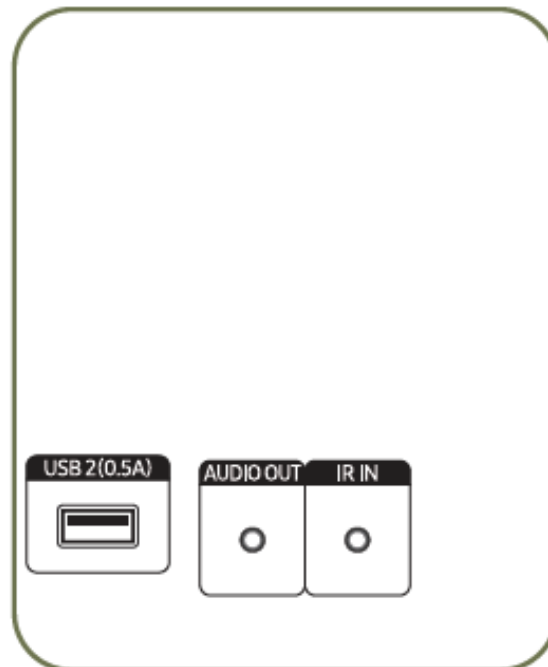
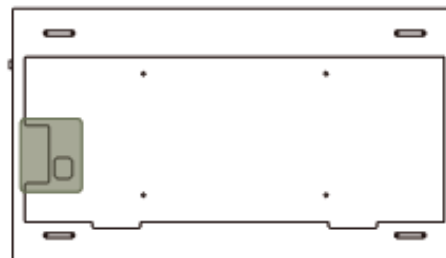


| Port | Description |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB 1 "(1.0A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 1.0 A. If the maximum value is exceeded, USB ports may not work. |
| HDMI IN 1 (ARC) | Connects to a source device using a HDMI cable or HDMI-DVI cable. |
| RJ45 | Connects to MDC and the Internet using a LAN cable. (10/100 Mbps) " Use Cat7(*STP Type) cable for the connection. *Shielded Twist Pair. |
| RS232C IN | Connects to MDC using an RS232C adapter. |
| HDMI IN 2 (DAISY CHAIN IN) | <ul style="list-style-type: none"> Connects to a source device using a HDMI cable or HDMI-DVI cable. Connects to another product using a HDMI cable. |
| DP IN (DAISY CHAIN IN) | Connects to a PC using a DP cable. |
| HDMI OUT (DAISY CHAIN OUT) | Connects to another product using a HDMI cable. |
| USB 2(0.5A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 0.5 A. If the maximum value is exceeded, USB ports may not work. |
| AUDIO OUT | Outputs sound to an audio device via an audio cable. |
| IR IN | Connects to an external IR cable that receives signals from the remote control. |
| RS232C OUT | Connects to MDC using an RS232C adapter. |

QB98R

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

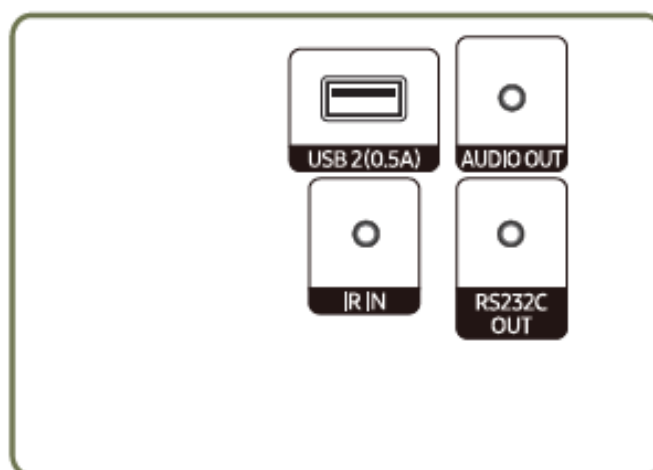
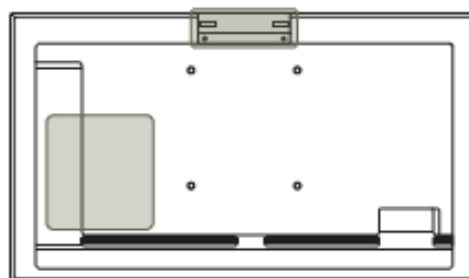
| | |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | RJ45 |
|  | USB 1 (1.0A) |
|  | DVI/ MAGICINFO IN |
|  | RS232C IN |
|  | RS232C OUT |
|  | DVI/HDMI AUDIO IN |
|  | HDMI IN 1 (ARC) |
|  | HDMI IN 2 (DAISY CHAIN IN) |
|  | DP IN (DAISY CHAIN IN) |
|  | HDMI OUT (DAISY CHAIN OUT) |



| Port | Description |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RJ45 | Connects to MDC and the Internet using a LAN cable. (10/100 Mbps) " Use Cat7(*STP Type) cable for the connection. *Shielded Twist Pair. |
| USB 1 "(1.0A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 1.0 A. If the maximum value is exceeded, USB ports may not work. |
| DVI/MAGICINFO IN | DVI IN: Connects to a source device using a DVI cable or HDMI-DVI cable. MAGICINFO IN: Connects to a network box using DP-DVI cable to use Magicinfo. |
| RS232C IN | Connects to MDC using an RS232C adapter. |
| RS232C OUT | Connects to MDC using an RS232C adapter. |
| DVI/HDMI AUDIO IN | Receives sound from a source device via an audio cable. |
| HDMI IN 1 (ARC) | Connects to a source device using a HDMI cable or HDMI-DVI cable. |
| HDMI IN 2 (DAISY CHAIN IN) | <ul style="list-style-type: none"> Connects to a source device using a HDMI cable or HDMI-DVI cable. Connects to another product using a HDMI cable. |
| DP IN (DAISY CHAIN IN) | Connects to a PC using a DP cable. |
| HDMI OUT (DAISY CHAIN OUT) | Connects to another product using a HDMI cable. |
| USB 2(0.5A) | Connect to a USB memory device. " The USB ports on the product accept a maximum constant current of 0.5 A. If the maximum value is exceeded, USB ports may not work. |
| AUDIO OUT | Outputs sound to an audio device via an audio cable. |
| IR IN | Connects to an external IR cable that receives signals from the remote control. |

QM32R-T









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

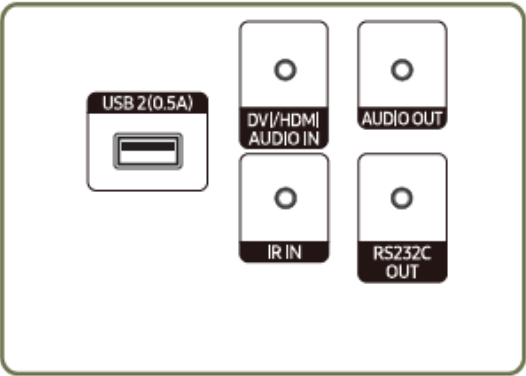
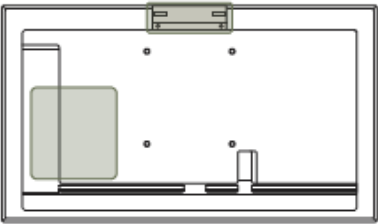


| Port | Description |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB 1 "(1.0A) | Connect to a USB memory device or TOUCH OUT cable. " The USB ports on the product accept a maximum constant current of 1.0 A. If the maximum value is exceeded, USB ports may not work. |
| HDMI IN 1 (ARC) | Connects to a source device using a HDMI cable or HDMI-DVI cable. |
| RJ45 | Connects to MDC and the Internet using a LAN cable. (10/100 Mbps) " Use Cat7(*STP Type) cable for the connection. *Shielded Twist Pair. |
| RS232C IN | Connects to MDC using an RS232C adapter. |
| HDMI IN 2 (DAISY CHAIN IN) | <ul style="list-style-type: none"> Connects to a source device using a HDMI cable or HDMI-DVI cable. Connects to another product using a HDMI cable. |
| DP IN (DAISY CHAIN IN) | Connects to a PC using a DP cable. |
| HDMI OUT (DAISY CHAIN OUT) | Connects to another product using a HDMI cable. |
| USB 2(0.5A) | Connect to a USB memory device or TOUCH OUT cable. " The USB ports on the product accept a maximum constant current of 0.5 A. If the maximum value is exceeded, USB ports may not work. |
| AUDIO OUT | Outputs sound to an audio device via an audio cable. |
| IR IN | Connects to an external IR cable that receives signals from the remote control. |
| RS232C OUT | Connects to MDC using an RS232C adapter. |
| TOUCH OUT SCREEN | Connect to a USB port on the product to use the touch function. |
| TOUCH OUT PC | Connect to a USB port on a PC to use the touch function. |

QM43R-T/QM55R-T

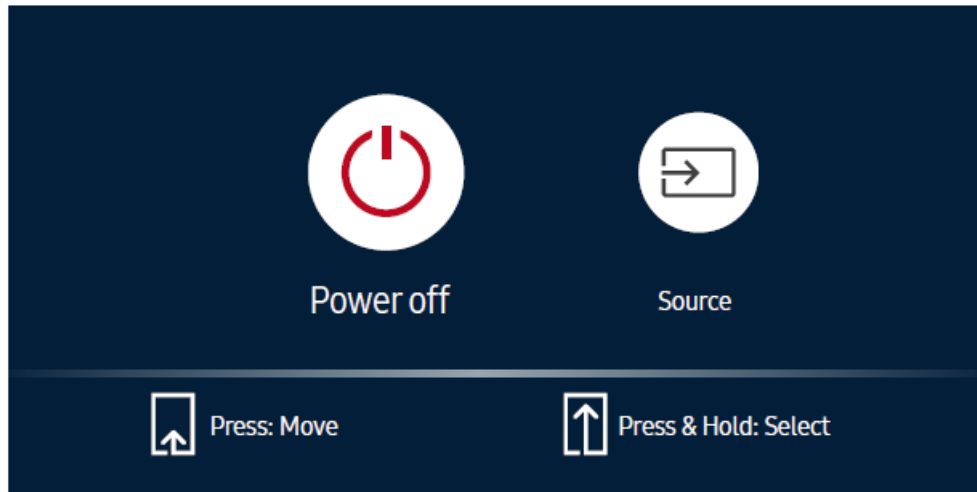
The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.

| | |
|-------------------------------------------------------------------------------------|----------------------------|
|  | USB1 (1.0A) |
|  | RJ45 |
|  | RS232C IN |
|  | DVI/MAGICON |
|  | HDMI IN1 (ARC) |
|  | HDMI IN2 (Daisy Chain IN) |
|  | DP IN (Daisy Chain IN) |
|  | HDMI OUT (Daisy Chain OUT) |



| Port | Description |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB 1 "(1.0A) | Connect to a USB memory device or TOUCH OUT cable. " The USB ports on the product accept a maximum constant current of 1.0 A. If the maximum value is exceeded, USB ports may not work. |
| RJ45 | Connects to MDC and the Internet using a LAN cable. (10/100 Mbps) " Use Cat7(*STP Type) cable for the connection. *Shielded Twist Pair. |
| RS232C IN | Connects to MDC using an RS232C adapter. |
| DVI/MAGICINFO IN | DVI IN: Connects to a source device using a DVI cable or HDMI-DVI cable. MAGICINFO IN: Connects to a network box using DP-DVI cable to use Magicinfo. |
| HDMI IN 1 (ARC) | Connects to a source device using a HDMI cable or HDMI-DVI cable. |
| HDMI IN 2 (DAISY CHAIN IN) | <ul style="list-style-type: none"> Connects to a source device using a HDMI cable or HDMI-DVI cable. Connects to another product using a HDMI cable. |
| DP IN (DAISY CHAIN IN) | Connects to a PC using a DP cable. |
| HDMI OUT (DAISY CHAIN OUT) | Connects to another product using a HDMI cable. |
| USB 2(0.5A) | Connect to a USB memory device or TOUCH OUT cable. " The USB ports on the product accept a maximum constant current of 0.5 A. If the maximum value is exceeded, USB ports may not work. |
| DVI/HDMI AUDIO IN | Receives sound from a source device via an audio cable. |
| AUDIO OUT | Outputs sound to an audio device via an audio cable. |
| IR IN | Connects to an external IR cable that receives signals from the remote control. |
| RS232C OUT | Connects to MDC using an RS232C adapter. |
| TOUCH OUT SCREEN | Connect to a USB port on the product to use the touch function. |
| TOUCH OUT PC | Connect to a USB port on a PC to use the touch function. |

Control menu



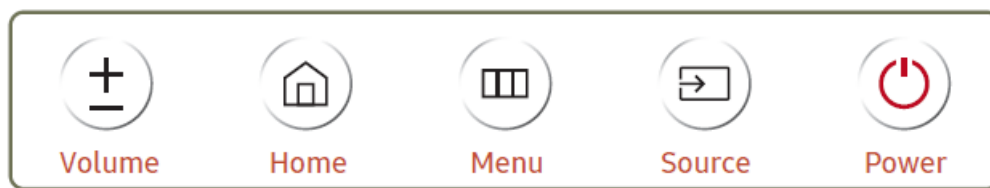
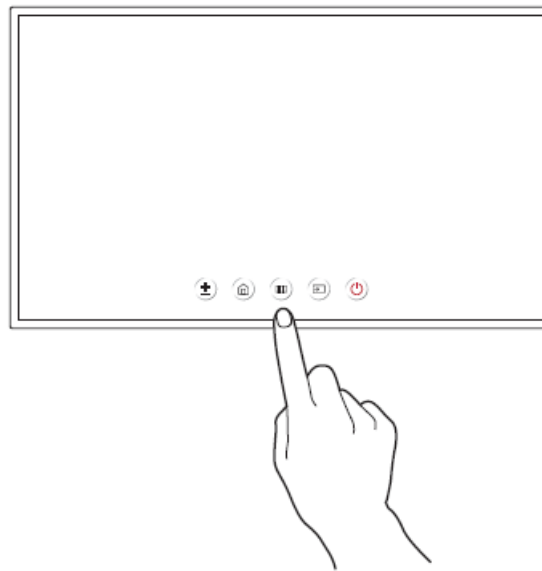
- The power button(«) is located on the bottom of the product.
- If you press the power button on the product when the product is turned on, the control menu will be displayed.

| Items | Description |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power off | <p>Power off the product.</p> <ul style="list-style-type: none">• With the control menu screen displayed, briefly press the power button to move the cursor to Power off, and then press and hold the power button to turn off the product. |
| Source | <p>Select the connected input source.</p> <ul style="list-style-type: none">• With the control menu screen displayed, briefly press the power button to move the cursor to Source, and then press and hold the power button to display the input source screen.• With the input source screen displayed, press and hold the power button to switch to the desired input source. |

- The power button can only be used for Power off and Source.
- To exit from the control menu screen, wait for 3 seconds or more without pressing the power button.

Administrator menu (Supported models: QMR-T)





- Touching and holding on the screen when the product is turned on displays the administrator menu.
- If the touchscreen control is not available, use the remote control to go to System → Touch Control → Touch Control and select On from the OSD menu.
- If the administrator menu is not displayed, use the remote control to go to System → Touch Control → Admin Menu Lock and select Off from the OSD menu.
- This menu is not displayed, when using touch mode on a connected PC.



| Buttons | Description |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Volume | Adjust the Volume . <ul style="list-style-type: none"> Select Volume from the administrator menu. |
| Home | Enter Home screen. <ul style="list-style-type: none"> Select Home from the administrator menu. |
| Menu | Display the OSD menu. To change settings, select a menu item. <ul style="list-style-type: none"> Select Menu from the administrator menu. |
| Source | Select the connected input source. Select an input source from the displayed list of input sources. <ul style="list-style-type: none"> Select Source from the administrator menu. |
| Power | Power off the product. <ul style="list-style-type: none"> Select Power from the administrator menu. |

Precautions when handling the panel

The colour and the appearance may differ depending on the model.

-  Do not stand the product as shown in the image. The panel is fragile and can get damaged.
-  Lay the product down to handle it as shown in the image. (the packaging can be used).
-  Supported models: 85 inches or more
-  Do not hold or grasp any area of the product within 15 mm from the front.

Before Installing the Product (Installation Guide)

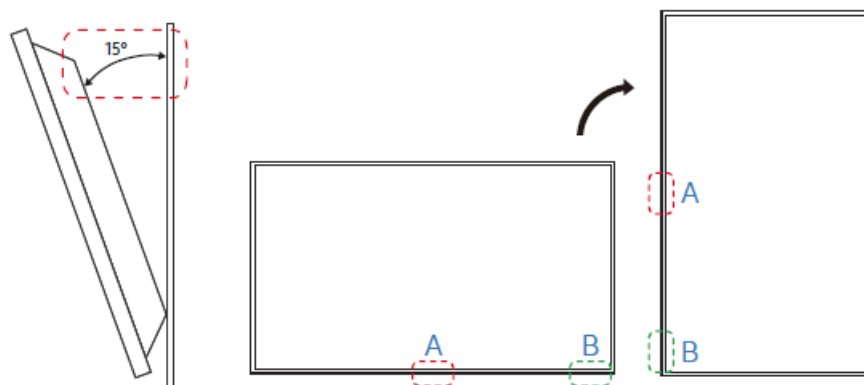
To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

- Ensure that an authorised installation company installs the wall mount.
- Otherwise, it may fall and cause personal injury.
- Make sure to install the specified wall mount.

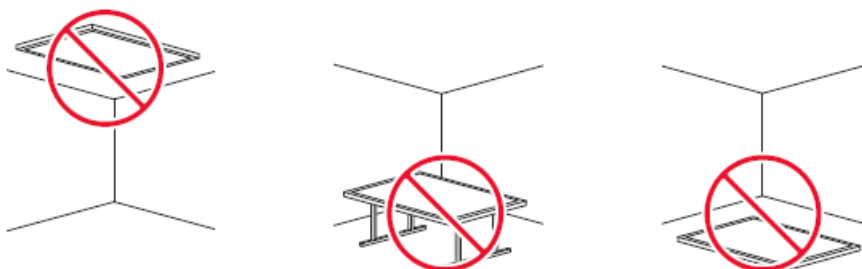
Tilting Angle and Rotation

Contact Samsung Customer Service Centre for further details.

- The product can be tilted at a maximum angle of 15° from a perpendicular wall surface.
- To use the product in Portrait mode, rotate clockwise until the power indicator (A or B) is positioned as shown in the images below.



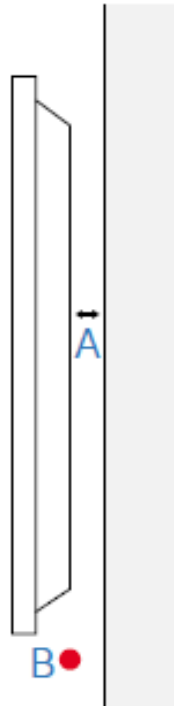
Do not use this model installed on a ceiling, floor, or table.



Ventilation

Contact Samsung Customer Service Centre for further details.

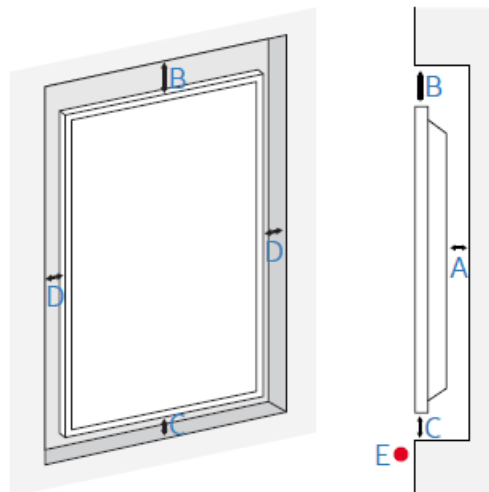
Installation on a Perpendicular Wall



- Minimum 40 mm
- Ambient temperature: Under 35 °C

When installing the product on a perpendicular wall, allow at least 40 mm of space between the product and wall surface for ventilation and ensure that the ambient temperature is kept below 35 °C.

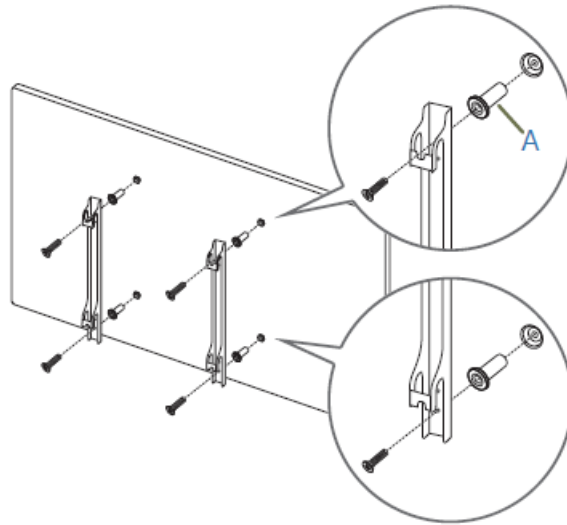
Installation on an Indented Wall



- Minimum 40 mm
- Minimum 70 mm
- Minimum 50 mm
- Minimum 50 mm
- Ambient temperature: Under 35 °C

When installing the product on an indented wall, allow at least the space specified above between the product and wall for ventilation and ensure that the ambient temperature is kept below 35 °C.

Installing the Wall Mount



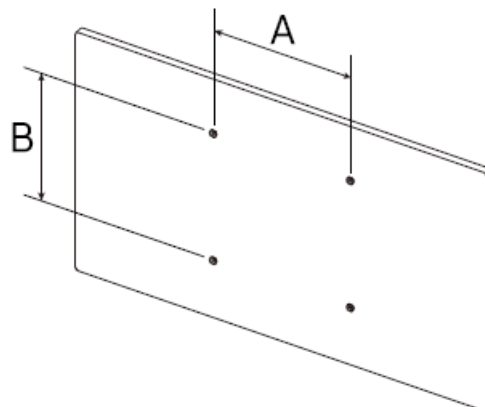
Preparing before installing Wall-Mount

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

Installing the Wall Mount

- The wall mount kit (sold separately) allows you to mount the product on the wall.
- The provided image is only for reference. For detailed information on installing the wall mount, see instructions provided with the wall mount.
- We recommend you contact a technician for assistance when installing the wall mount bracket.
- Samsung is not responsible for any damage to the product or injury to yourself or others if you select to install the wall mount on your own.

Wall Mount Kit Specifications (VESA)



Install your wall mount on a solid wall perpendicular to the floor. To install the product on the other wall area, contact the nearest agency. If you install the product on a slanted wall, it may fall and result in severe personal injury.

- Samsung wall mount kits contain a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that are longer than the standard length or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the product.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the product at more than a 15 degree tilt.
- Always have at least two people mount the product on a wall. (Four or more people for the 82-inch size and larger models.)
- Standard dimensions for wall mount kits are shown in the table below.

| Model Name | VESA screw hole specs (A * B) in millimetres | Standard Screw | Quantity |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------|----------------|----------|
| QB43R / QB49R / QB50R / QB55R / QM32R / QM43R / QM49R / QM50R / QM55R / QM32R-T / QM43R-T / QM55R-T | 200 × 200 | M8 | 4 |
| QB65R / QB75R / QM65R / QM75R | 400 × 400 | | |
| QB85R / QM85R / QE82R | 600 × 400 | | |
| QB98R | 900 × 600 | | |

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

Touchscreen monitor

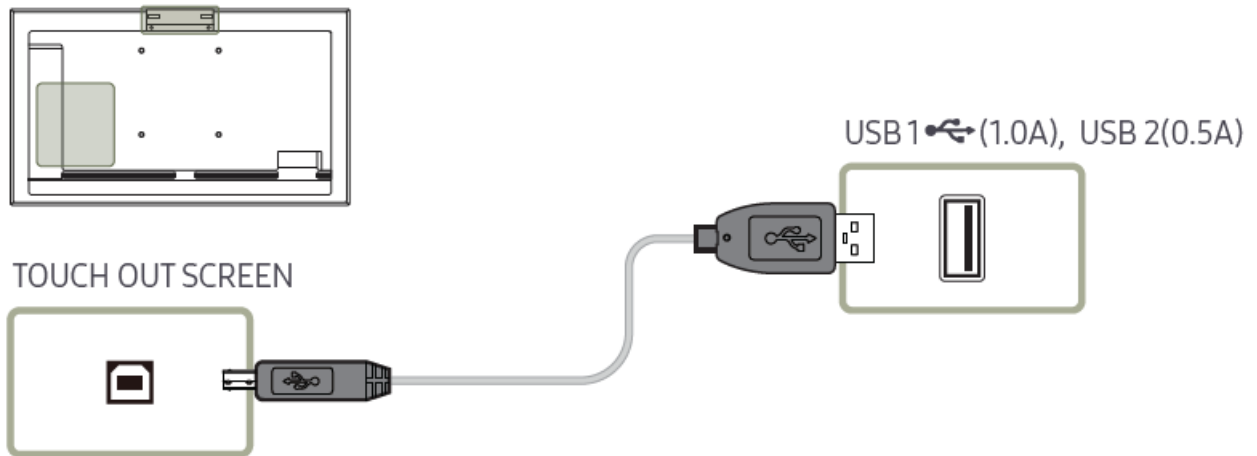
Control a PC by tapping the screen instead of using an input device such as a keyboard or mouse. The touch screen functions by detecting a minute electric current that runs through your body (capacitive). Make sure to use the surface of your finger tip when tapping the screen.

Read below before using the product

- Take extra care to ensure an electrical substance does not contact the screen. The screen may not function properly if there is static.
- Do not press hard on the touchscreen with your finger tip. Do not use a sharp object when tapping the screen. The screen may break or get damaged.
- Do not tap the screen while wearing a glove, with a dirty finger, or using something sharp such as your fingernail or a ballpoint pen. The screen may not function properly.
- Take extra care to ensure the screen does not contact moisture. The touch sensor may not function properly.
- Displaying a still image on the screen for an extended period of time may cause after images (screen

degradation) or stains. Switch off the screen when not in use.

Connecting the touch overlay



Touch functions are not supported in applications other than the OSD menu and administrator menu.

Connect the TOUCH OUT cable between the TOUCH OUT SCREEN and USB 1 (1.0A) or USB 2 (0.5A) port on the product.

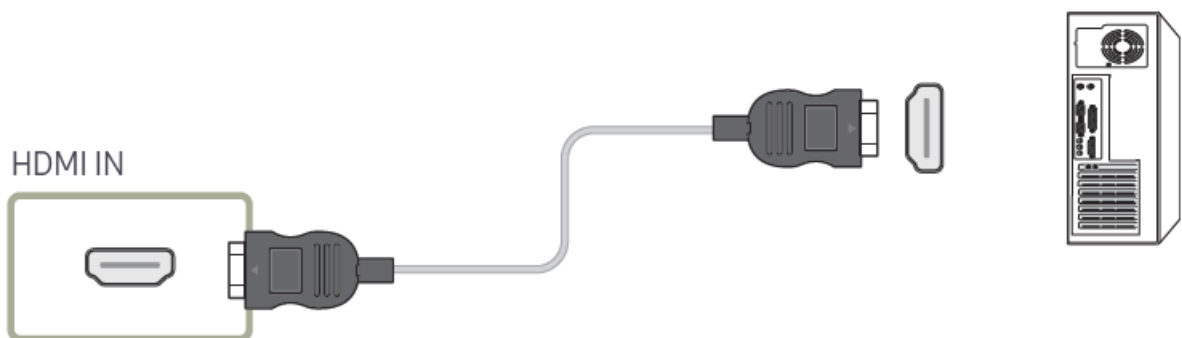
Connecting the touchscreen monitor

Connecting parts may differ in different products.

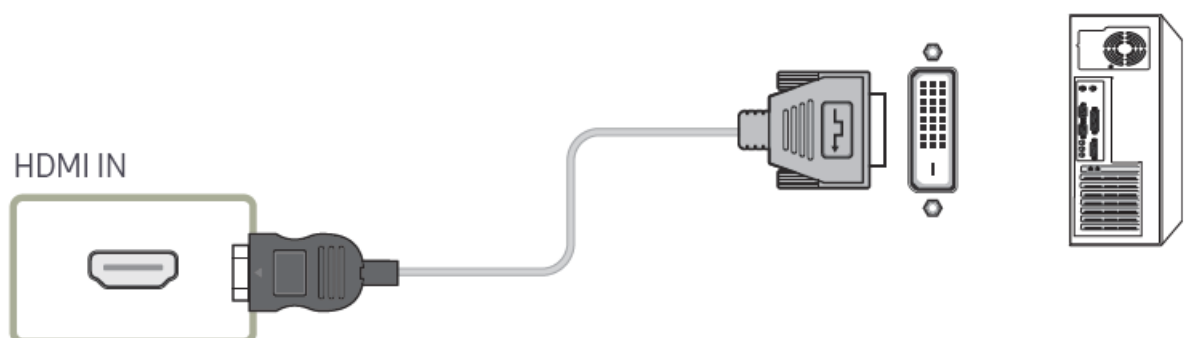
Connecting to a PC

1. Connect your PC to the product using a HDMI or HDMI-DVI cable.

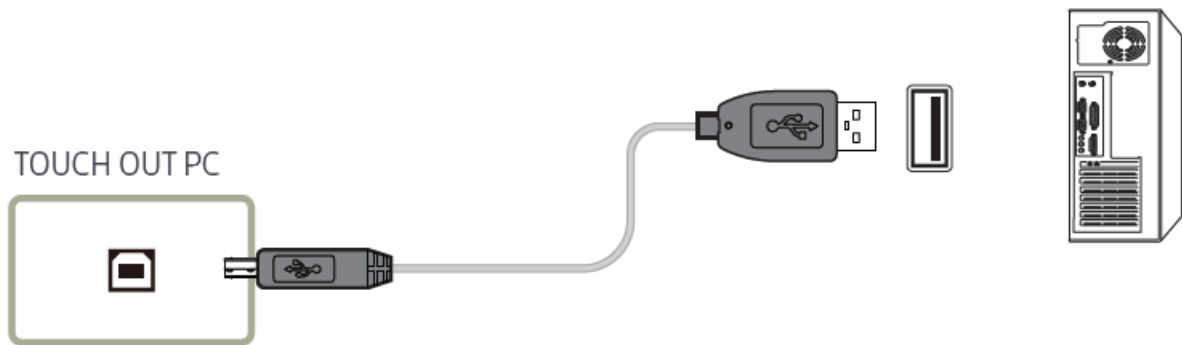
Connecting the devices using an HDMI cable



Connecting the devices using an HDMI-DVI cable



2. Connect the power cable from the product to the power outlet.
3. After the power supply is connected, the product automatically detects and switches to the connected input source.
4. Connect the TOUCH OUT PC port on the product to a USB port on the PC using the TOUCH OUT cable.



Connecting to a laptop or tablet PC

A laptop or tablet PC can be connected to the product using the same method when connecting a desktop PC.

- Make sure to connect the HDMI or HDMI-DVI cable before connecting the TOUCH OUT cable.
- If touchscreen control is still unavailable after the cables are connected properly, disconnect the TOUCH OUT cable and then connect it again.

Configuring the touchscreen monitor settings

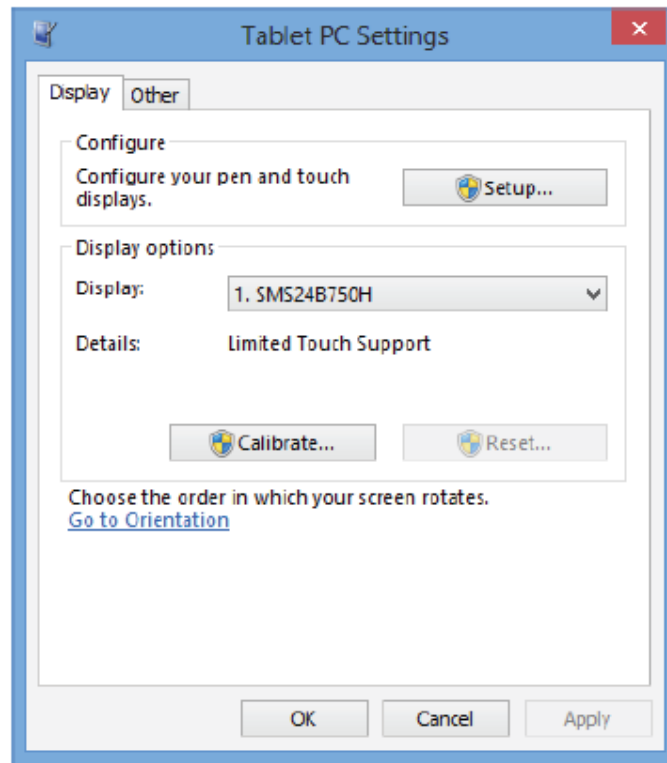
To properly use the touch function of the product in Windows, go to Tablet PC Settings and calibrate the product.

- First connect the touchscreen monitor before configuring the following settings.
- The maximum number of touchscreen monitors that can be connected simultaneously varies, depending on the operating system and graphics card settings. " If Tablet PC Settings is not found in Control Panel, search for Tablet PC Settings from Search Control Panel.
- If used in a multi-screen setup, make sure you have configured QMR-T as the main display.

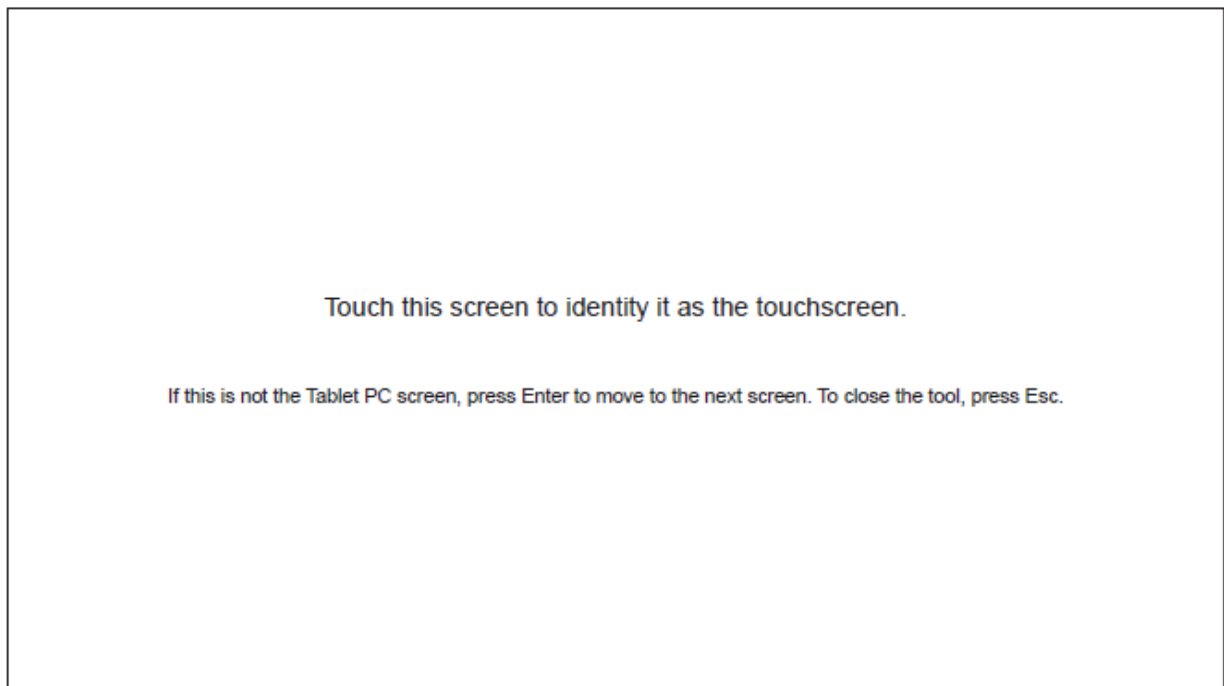
Calibration

- The instructions below are for Windows 8. The same method applies to both Windows 7, Windows 8 and Windows 10.
- After changing the Picture Size from the OSD menu, you may need to calibrate the picture settings again.
- Upon the occurrence of an error during calibration, go to Tablet PC Settings. In the Display tab, tap Reset and calibrate again.

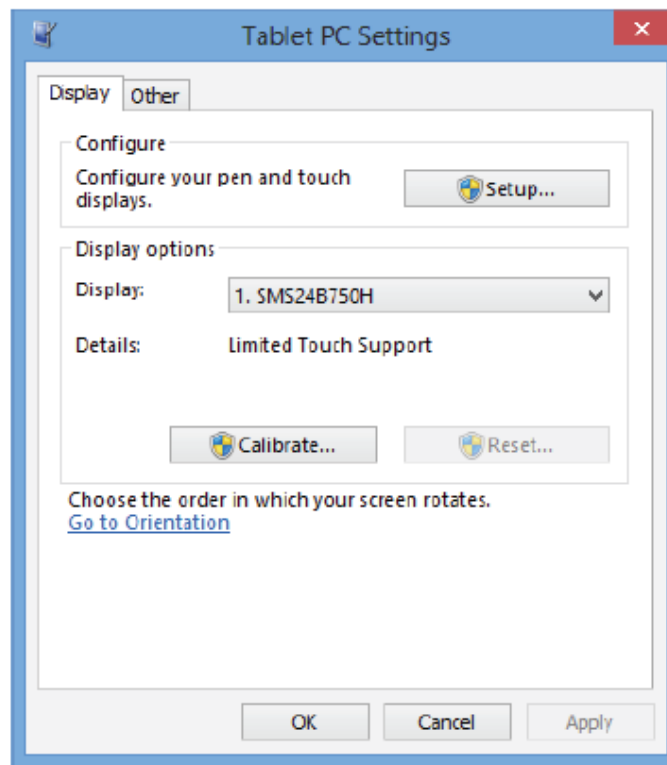
1. In the Display tab, select Setup under Configure.



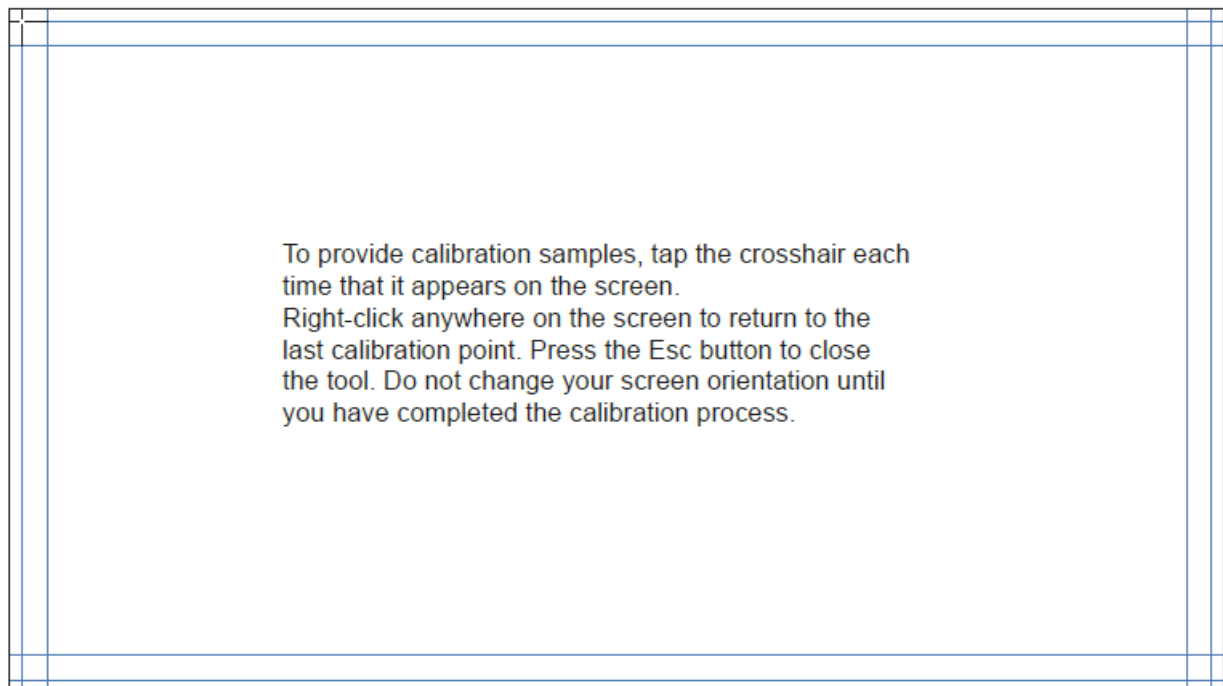
2. Tap the page displayed on the product with your finger.



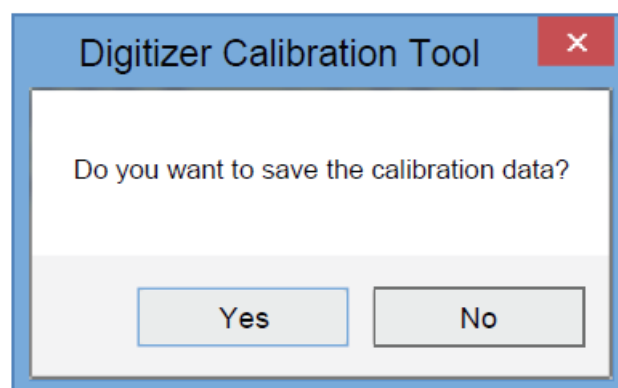
3. Select the product from Display under Display options. Next, select Calibrate.



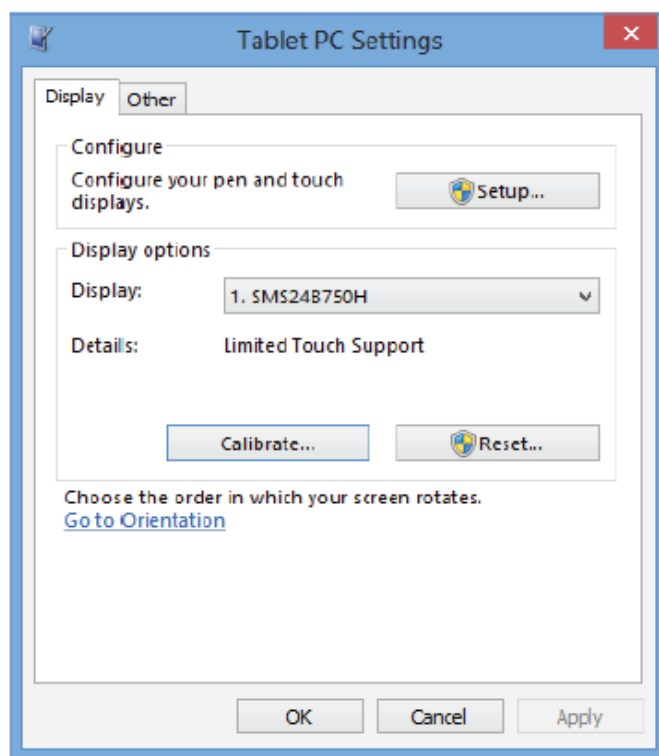
4. Perform calibration following the onscreen instructions displayed as shown in the image.



5. After calibration is complete, the message Do you want to save the calibration data? appears. Select Yes.



6. The touchscreen monitor has been calibrated successfully.



General

| Model Name | | QM32R / QM32R-T | QB43R / QM43R / QM43R-T | QB49R / QM49R | QB50R / QM50R |
|------------|--------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Panel | Size | 32 CLASS (31.5 inches / 80.1 cm) | 43 CLASS (42.5 inches / 107.9 cm) | 49 CLASS (48.5 inches / 123.2 cm) | 50 CLASS (49.5 inches / 125.7 cm) |
| | Display area | 698.4 mm (H) x 392.85 mm (V) | 941.184 mm (H) x 529.416 mm (V) | 1073.78 mm (H) x 604.0 mm (V) | 1095.84 mm (H) x 616.41 mm (V) |

| Model Name | | QB55R / QM55R / QM55R-T | QB65R / QM65R | QB75R / QM75R |
|------------|--------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Panel | Size | 55 CLASS (54.6 inches / 138.7 cm) | 65 CLASS (64.5 inches / 163.9 cm) | 75 CLASS (74.5 inches / 189.3 cm) |
| | Display area | 1209.6 mm (H) x 680.4 mm (V) | 1428.48 mm (H) x 803.52 mm (V) | 1650.24 mm (H) x 928.26 mm (V) |

| Model Name | | QB85R / QM85R | QB98R | QE82R |
|------------|--------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Panel | Size | 85 CLASS (84.5 inches / 214.7 cm) | 98 CLASS (97.5 inches / 247.7 cm) | 82 CLASS (81.5 inches / 207.1 cm) |
| | Display area | 1872.0 mm (H) x 1053.0 mm (V) | 2158.848 mm (H) x 1214.352 mm (V) | 1805.76 mm (H) x 1015.74 mm (V) |

| | | | | |
|-------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Model Name | | QM32R / QM32R-T | QB43R / QB49R / QB50R / QB55R / QB65R / QB75R / QE82R / QB85R | QB98R / QM43R / QM49R / QM50R / QM55R / QM65R / QM75R / QM43R-T / QM55R-T / QM85R |
| Resolution | Optimum resolution | | | 1920 x 1080 @ 60 Hz (DVI) |
| | Maximum resolution | 3840 x 2160 @ 60 Hz (HDMI) 3840 x 2160 @ 60 Hz (DisplayPort) | 1920 x 1080 @ 60 Hz (DVI) 3840 x 2160 @ 60 Hz (HDMI) | 3840 x 2160 @ 60 Hz (HDMI) 3840 x 2160 @ 60 Hz (DisplayPort) |
| Power Supply | | AC100-240V~ 50/60Hz Refer to the label at the back of the product as the standard voltage can vary in different countries. | | |
| Environmental considerations | Operating | Temperature: 0 °C – 40 °C (32 °F – 104 °F) * For installing the enclosure, keep the internal temperature at 40 °C or below. Humidity: 10% – 80%, non-condensing | | |
| | Storage | Temperature: -20 °C – 45 °C (-4 °F – 113 °F) Humidity: 5% – 95%, non-condensing * Applicable before the product package is unpacked. | | |

- 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.

- Due to the nature of the manufacturing of this product, approximately 1 pixel per million (1ppm) may appear brighter or darker on the panel. This does not affect product performance.
- 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.
- For detailed device specifications, visit the Samsung website.
- (Europe only)

To access the EPREL registration of the model: QB43R ~ QB65R / QM43R ~ QM65R / QM43R-T ~ QM55R-T

1. Go to <https://eprel.ec.europa.eu>
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy Labelling information of the model is shown

You can directly access the product information via <https://eprel.ec.europa.eu/qr/#####> (registration no.) The

registration no. can be found on the rating label on your product.

(Turkey only)

1. Go to https://www.samsung.com/global/ecodesign_energy
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy labelling information can be found

Preset Timing Modes

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

| Resolution | Horizontal F requency (k Hz) | Vertical Frequency (Hz) | Pixel Cloc k (MHz) | Sync Pola rity (H/V) | Port | | |
|-----------------------------|------------------------------------|-----------------------------|-----------------------|-------------------------|-------|--------|-------------|
| | | | | | DP IN | DVI IN | HDMI I N |
| IBM, 720 x 400 | 31.469 | 70.087 | 28.322 | -/+ | O | O | O |
| MAC, 640 x 480 | 35.000 | 66.667 | 30.240 | -/- | O | O | O |
| MAC, 832 x 624 | 49.726 | 74.551 | 57.284 | -/- | O | O | O |
| MAC, 1152 x 870 | 68.681 | 75.062 | 100.000 | -/- | O | O | O |
| VESA CVT, 3840 x 216 0RB | 110.500 | 49.977 | 442.000 | +/- | O | – | – |
| VESA CVT, 3840 x 216 0RB | 133.313 | 59.997 | 533.250 | +/- | O | – | – |
| VESA DMT, 640 x 480 | 31.469 | 59.940 | 25.175 | -/- | O | O | O |
| VESA DMT, 640 x 480 | 37.861 | 72.809 | 31.500 | -/- | O | O | O |
| VESA DMT, 640 x 480 | 37.500 | 75.000 | 31.500 | -/- | O | O | O |
| VESA DMT, 800 x 600 | 37.879 | 60.317 | 40.000 | +/+ | O | O | O |
| VESA DMT, 800 x 600 | 48.077 | 72.188 | 50.000 | +/+ | O | O | O |
| VESA DMT, 800 x 600 | 46.875 | 75.000 | 49.500 | +/+ | O | O | O |
| VESA DMT, 1024 x 768 | 48.363 | 60.004 | 65.000 | -/- | O | O | O |
| VESA DMT, 1024 x 768 | 56.476 | 70.069 | 75.000 | -/- | O | O | O |
| VESA DMT, 1024 x 768 | 60.023 | 75.029 | 78.750 | +/+ | O | O | O |
| VESA DMT, 1152 x 864 | 67.500 | 75.000 | 108.000 | +/+ | O | O | O |
| VESA DMT, 1280 x 720 | 45.000 | 60.000 | 74.250 | +/+ | O | O | O |
| VESA DMT, 1280 x 800 | 49.702 | 59.810 | 83.500 | -/+ | O | O | O |
| VESA DMT, 1280 x 1024 | 63.981 | 60.020 | 108.000 | +/+ | O | O | O |
| VESA DMT, 1280 x 1024 | 79.976 | 75.025 | 135.000 | +/+ | O | O | O |
| VESA DMT, 1366 x 768 | 47.712 | 59.790 | 85.500 | +/+ | O | O | O |

| | Horizontal F requency (k | Vertical Frequency (| Pixel Cloc | Sync Pola | Port |
|--|-----------------------------|-------------------------|------------|-----------|------|
| | | | | | |

| Resolution | Hz) | Hz) | k (MHz) | urity (H/V) | DP IN | DVI IN | HDMI I N |
|---------------------------|---------|--------|---------|-------------|-------|--------|-------------|
| VESA DMT, 1440 x 900 | 55.935 | 59.887 | 106.500 | -/+ | O | O | O |
| VESA DMT, 1600 x 900RB | 60.000 | 60.000 | 108.000 | +/+ | O | O | O |
| VESA DMT, 1680 x 1050 | 65.290 | 59.954 | 146.250 | -/+ | O | O | O |
| VESA DMT, 1920 x 1080 | 67.500 | 60.000 | 148.500 | +/+ | O | O | O |
| VESA DMT, 2560 x 1440RB | 88.787 | 59.951 | 241.500 | +/- | O | – | O |
| CTA-861, 720(1440) x 576i | 15.625 | 50.000 | 27.000 | -/- | – | O | O |
| CTA-861, 720(1440) x 480i | 15.734 | 59.940 | 27.000 | -/- | – | O | O |
| CTA-861, 720 x 576 | 31.250 | 50.000 | 27.000 | -/- | O | O | O |
| CTA-861, 720 x 480 | 31.469 | 59.940 | 27.000 | -/- | O | O | O |
| CTA-861, 1280 x 720 | 37.500 | 50.000 | 74.250 | +/+ | O | O | O |
| CTA-861, 1280 x 720 | 45.000 | 60.000 | 74.250 | +/+ | O | O | O |
| CTA-861, 1920 x 1080i | 28.125 | 50.000 | 74.250 | +/+ | – | O | O |
| CTA-861, 1920 x 1080i | 33.750 | 60.000 | 74.250 | +/+ | – | O | O |
| CTA-861, 1920 x 1080 | 27.000 | 24.000 | 74.250 | +/+ | – | O | O |
| CTA-861, 1920 x 1080 | 28.125 | 25.000 | 74.250 | +/+ | – | O | O |
| CTA-861, 1920 x 1080 | 33.750 | 30.000 | 74.250 | +/+ | – | O | O |
| CTA-861, 1920 x 1080 | 56.250 | 50.000 | 148.500 | +/+ | O | O | O |
| CTA-861, 1920 x 1080 | 67.500 | 60.000 | 148.500 | +/+ | O | O | O |
| CTA-861, 3840 x 2160 | 54.000 | 24.000 | 297.000 | +/+ | – | – | O |
| CTA-861, 3840 x 2160 | 56.250 | 25.000 | 297.000 | +/+ | – | – | O |
| CTA-861, 3840 x 2160 | 67.500 | 30.000 | 297.000 | +/+ | O | – | O |
| CTA-861, 3840 x 2160 | 112.500 | 50.000 | 594.000 | +/+ | O | – | O |
| CTA-861, 3840 x 2160 | 135.000 | 60.000 | 594.000 | +/+ | O | – | O |
| CTA-861, 4096 x 2160 | 54.000 | 24.000 | 297.000 | +/+ | – | – | O |
| CTA-861, 4096 x 2160 | 67.500 | 30.000 | 297.000 | +/+ | – | – | O |
| CTA-861, 4096 x 2160 | 112.500 | 50.000 | 594.000 | +/+ | – | – | O |
| CTA-861, 4096 x 2160 | 135.000 | 60.000 | 594.000 | +/+ | – | – | O |

Licence

Manufactured under license from Dolby Laboratories.


Dolby, Dolby Audio, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Open Source Licence Notice

In the case of using open source software, Open Source Licences are available on the product menu. Open Source Licence Notice is written only English. For information on the Open Source Licence Notice, contact the Samsung Customer Centre or send email to oss.request@samsung.com.

THIS PRODUCT IS SOLD WITH A LIMITED LICENCE AND IS AUTHORISED TO BE USED ONLY IN CONNECTION WITH HEVC CONTENT THAT MEETS EACH OF THE THREE FOLLOWING QUALIFICATIONS: (1) HEVC CONTENT ONLY FOR PERSONAL USE; (2) HEVC CONTENT THAT IS NOT OFFERED FOR SALE; AND (3) HEVC CONTENT THAT IS CREATED BY THE OWNER OF THE PRODUCT. THIS PRODUCT MAY NOT BE USED IN CONNECTION WITH HEVC ENCODED CONTENT CREATED BY A THIRD PARTY, WHICH THE USER HAS ORDERED OR PURCHASED FROM A THIRD PARTY, UNLESS THE USER IS SEPARATELY GRANTED RIGHTS TO USE THE PRODUCT WITH SUCH CONTENT BY A LICENSED SELLER OF THE CONTENT. YOUR USE OF THIS PRODUCT IN CONNECTION WITH HEVC ENCODED CONTENT IS DEEMED ACCEPTANCE OF THE LIMITED AUTHORITY TO USE AS NOTED ABOVE.

Documents / Resources

| | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>SAMSUNG QM32R-B 32 Inch LED-backlit LCD Display [pdf] User Manual QMR-B Series, QM32R-B, 32 Inch LED-backlit LCD Display, QM32R-B 32 Inch LED-backlit LCD Display</p> |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

References

- [!\[\]\(2cbb40928a34ecf5ce700a63c52aa374_img.jpg\) SAMSUNG](#)