SAMSUNG Flip

User Guide

WM55FX WM65FX WM75FX WM85FX

The colour and the appearance may differ depending on the product, and the content in the manual is subject to change without prior notice to improve the performance.

Recommended hours of use per day of this product is under 12 hours. If the product is used for longer than 12 hours a day, the warranty may be void.

An administration fee may be charged in the following situations:

(a) An engineer is called out at your request, but it is found that the product has no defect (for example, because the user manual has not been read).

(b) You bring the unit to a repair centre, but it is found that the product has no defect (for example, because the user manual has not been read).

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

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Chapter 01
Before using the product

Safety precautions

The following safety instructions are to ensure your personal safety and prevent property damage. Please read the following to ensure the proper use of the product.

Safety symbols

Symbol	Name	Meaning
	Warning	A serious or fatal injury may result if instructions are not followed.
	Caution	Personal injury or damage to properties may result if instructions are not followed.
	Prohibition	Do NOT attempt.
	Instruction	Follow directions.

CAUTION			
RISK OF ELECTRIC SHOCK. DO NOT OPEN.			
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.			
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.		AC voltage: Rated voltage marked with this symbol is AC voltage.
	This symbol indicates that this product has included important literature concerning operation and maintenance.		DC voltage: Rated voltage marked with this symbol is DC voltage.
	Class II product: This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a mains lead, the product MUST have a reliable connection to protective earth (ground).		Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.

Storage

Because of the characteristics of high-glossy products, using a UV humidifier nearby may create white-coloured stains on the product.

Contact Customer Service Centre if the inside of the product needs cleaning (service fee will be charged).

Electricity and safety

Warning

Do not use a damaged power cord or plug, or a loose power socket.

An electric shock or fire may result.

Do not use multiple products with a single power socket.

Overheated power sockets may cause a fire.

Do not touch the power plug with wet hands. Otherwise, an electric shock may result.

Do not bend or pull the power cord with force. Be careful not to leave the power cord under a heavy object.

Damage to the cord may result in a fire or electric shock.

Do not place the power cord or product near heat sources.

A fire or electric shock may result.

Insert the power plug all the way in so it is not loose.

An unsecure connection may cause a fire.

Connect the power plug to a grounded power socket (type 1 insulated devices only).

An electric shock or injury may result.

Clean any dust around the pins of the power plug or the power socket with a dry cloth.

A fire may result.

Caution

Do not disconnect the power cord while the product is being used.

The product may become damaged by an electric shock.

Only use the power cord provided with your product by Samsung. Do not use the power cord with other products.

A fire or electric shock may result.

Keep the power socket where the power cord is connected unobstructed.

The power cord must be disconnected to cut off power to the product when an issue occurs.

Hold the plug when disconnecting the power cord from the power socket.

An electric shock or fire may result.

Installation

Warning

DO NOT PLACE CANDLES, INSECT REPELLANTS OR CIGARETTES ON TOP OF THE PRODUCT. DO NOT INSTALL THE PRODUCT NEAR HEAT SOURCES.

A fire may result.

Do not install the product in poorly ventilated spaces such as a bookcase or closet.

An increased internal temperature may cause a fire.

Do not install the product on an unstable or vibrating surface (insecure shelf, sloped surface, etc.)

- The product may fall and become damaged or cause an injury, or both.
- Using the product in an area with excess vibration may damage the product or cause a fire.

Do not expose the product to direct sunlight, heat, or a hot object such as a stove.

The product lifespan may be reduced or a fire may result.

Do not install the product within the reach of young children.

- The product may fall and injure children.
- As the front is heavy, install the product on a flat and stable surface.

Edible oil, such as soybean oil, can damage or deform the product. Do not install the product in a kitchen or near a kitchen counter.

Have a technician install the wall-mount hanger.

- Installation by an unqualified person can result in an injury.
- Only use approved cabinets.

Install the product at least 10 cm away from the wall to allow ventilation.

An increased internal temperature may cause a fire.

Keep the plastic packaging out of the reach of children.

Children may suffocate.

Do not install the product in a vehicle or a place exposed to dust, moisture (water drips, etc.), oil, or smoke.

A fire or electric shock may result.

Caution

Do not set down the product on its front.

The screen may become damaged.

Do not drop the product while moving.

Product failure or personal injury may result.

Set down the product gently.

Product failure or personal injury may result.

Installing the product in an unusual place may seriously affect its performance.

Be sure to consult Samsung Customer Service Centre if you want to install the product at such a place.

(Places with high levels of fine dust, areas where chemicals are used, locations with extremely high or low temperatures, humid or wet environments, vehicles or other means of transportation, industrial sites such as metal processing plants or stations where metal dust may be present.)

This product uses infrared (IR) signal. If infrared remote-control devices or strong light sources are nearby, touch recognition errors may occur.

Installing electronic devices such as air conditioners or TVs above, below, or on either side of the product may cause signal interference if those devices use infrared signals with similar wavelengths. This interference may prevent the remote controls from working properly. In such cases, move the product to a location free from signal interference.

For Samsung products (such as air conditioners and TVs) that support the SmartThings app, you may use the app to control those products. For air conditioners, you can also purchase a wired remote control and install it separately.

Operation

Warning

There is a high voltage inside the product. Never disassemble, repair or modify the product yourself.

- A fire or electric shock may result.
- Contact Samsung Customer Service Centre for repairs.

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 switch and disconnect the power cord. Then contact Samsung Customer Service Centre.

Continued use can result in a fire or electric shock.

Do not leave heavy objects or items that children like (toys, sweets, etc.) on top of the product.

The product or heavy objects may fall as children try to reach for the toys or sweets resulting in a serious injury.

Do not move the product by pulling the power cord or any cable.

Product failure, an electric shock or fire may result from a damaged cable.

Do not lift or move the product by pulling the power cord or any cable.

Product failure, an electric shock or fire may result from a damaged cable.

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 (through the vent or input/output ports, etc).

- Be sure to power off the product and disconnect the power cord when water or other foreign substances have entered the product. Then contact Samsung Customer Service Centre.
- Product failure, an electric shock or fire may result.

Do not place objects containing liquid (vases, pots, bottles, etc) or metallic objects on top of the product.

- Be sure to power off the product and disconnect the power cord when water or other foreign substances have entered the product. Then contact Samsung Customer Service Centre.
- Product failure, an electric shock or fire may result.

Before moving the product, turn off the power switch and disconnect the power cord and all other connected cables.

Damage to the cord may result in a fire or electric shock.

If the product generates abnormal sounds, a burning smell or smoke, disconnect the power cord immediately and contact Samsung Customer Service Centre.

An electric shock or fire may result.

During a lightning or thunderstorm, power off the product and remove the power cord.

A fire or electric shock may result.

Do not drop objects on the product or apply impact.

A fire or electric shock may result.

If a gas leakage is found, do not touch the product or power plug. Also, ventilate the area immediately.

Sparks can cause an explosion or fire.

Do not use or keep combustible spray or an inflammable substance near the product.

An explosion or fire may result.

⚠ Caution

Do not use humidifiers or stoves around the product.

A fire or electric shock may result.

Do not touch the screen when the product has been turned on for an extended period of time as it will become hot.

Do not place heavy objects on the product.

Product failure or personal injury may result.

Leaving the screen fixed on a stationary image for an extended period of time may cause afterimage burn-in or defective pixels.

Activate power-saving mode or a moving-picture screen saver if you will not be using the product for an extended period of time.

Disconnect the power cord from the power socket if you do not plan on using the product for an extended period of time (vacation, etc).

Dust accumulation combined with heat can cause a fire, electric shock or electric leakage.

Use the product at the recommended resolution and frequency.

Your eyesight may deteriorate.

Looking at the screen too close for an extended period of time can deteriorate your eyesight.

Rest your eyes for more than 5 minutes for every 1 hour of product use.

Eye fatigue will be relieved.

Store small accessories out of the reach of children.

Precautions for use

Be careful that if you use the supplied pen with a load exceeding 2.5 kg, scratches may occur on the protective glass.

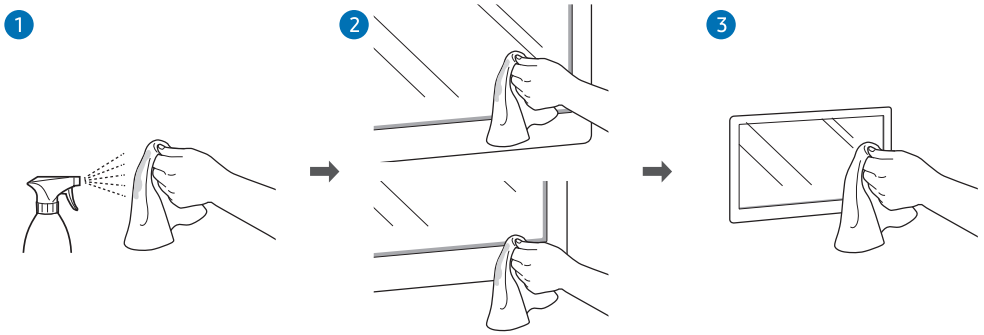
If you use a ballpoint pen other than the supplied pen, be careful that the screen may be stained with ink or damaged.

Do not use a dirty brush to avoid screen damage.

- Use the supplied pen. Do not use sharp, pointed objects other than the pen.
- If dust or dirt from the supplied pen remains on the protective glass, clean it referring to the instructions below.

Cleaning the exterior and display

Wipe the surface with a slightly wet, soft cloth, and then wipe with a dry cloth.



Chapter 02
Preparations

Checking the components

- Contact the vendor where you purchased the product if any components are missing.
- The appearance of the components may differ from the images shown.
- Refer to the installation guide for the stand or wall mount (available for optional purchase).



Simple User Guide



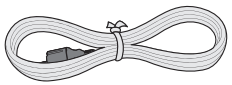
Warranty card
(Not available in some locations)



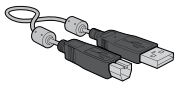
Regulatory guide



Waste Electrical & Electronic Equipment



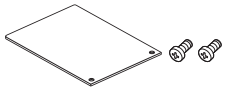
Power cord



USB cable



Touch pen x 2



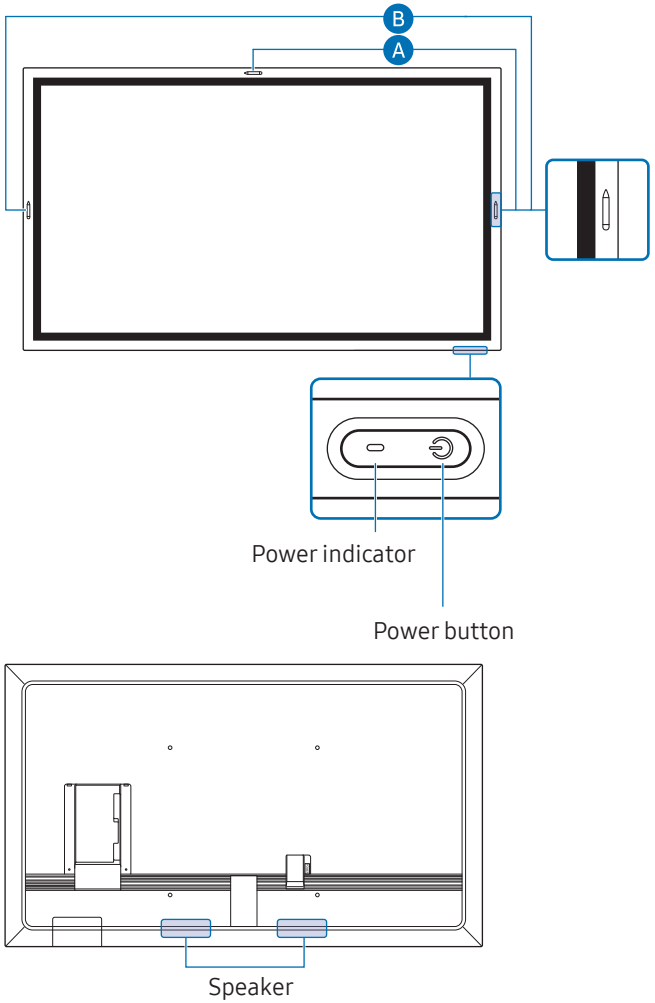
Terminal cover, Screw (M4 x L10) x 2
(Supported models: WM55FX, WM65FX)



Cable cover, Screw (M4 x L10)
(Supported models: WM55FX, WM65FX)

Parts

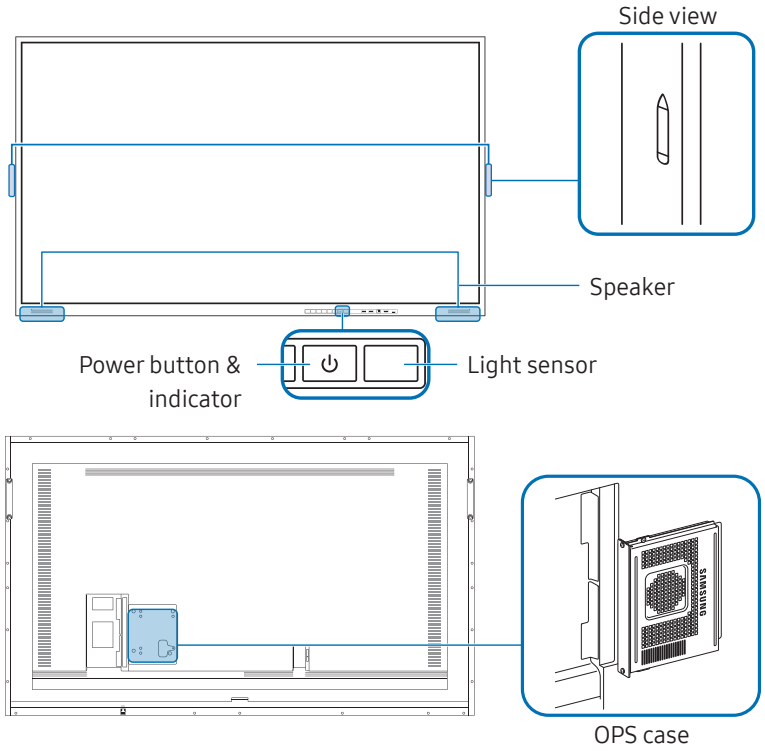
WM55FX/WM65FX



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

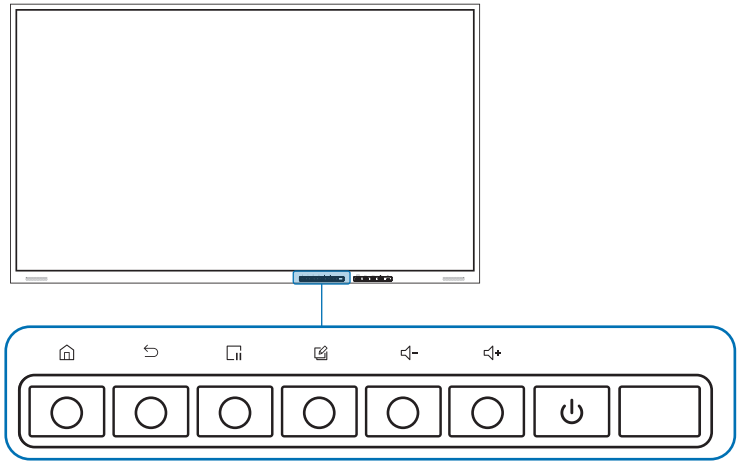
Parts	Description
Power button & indicator	Press the button to turn on the product and press and hold the button to turn off the product. • When the product is on, you can press the button to show or hide the soft buttons. The power indicator is off when the product is on. The power indicator is on when the product is off. In case the PIP screen is in Full Screen mode, press the **Power** button to display the adjustment menu. Press again to hide.
	The pen is magnetic. Keep it by attaching to the marked location. A : WM55FX, B : WM65FX

WM75FX/WM85FX



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

Parts	Description
Power button & indicator	Press the button to turn on the product and press and hold the button to turn off the product. • When the product is on, you can press the button to show or hide the soft buttons. The power indicator is off when the product is on. The power indicator is on when the product is off. In case the PIP screen is in Full Screen mode, press the **Power** button to display the adjustment menu. Press again to hide.
	The pen is magnetic. Keep it by attaching to the marked location.
Light sensor	The light sensor is used to detect ambient light for the Brightness Optimisation function. • You can turn on or off the Brightness Optimisation function at ⋯ → Menu → Tools → Settings → System → Power and Energy Saving → Brightness Optimisation.
OPS case (Sold separately)	Connect the OPS case to the product and insert the standard OPS module into the case. You can purchase the OPS case and module separately. ⚠ Before inserting the OPS module, make sure to remove the power cord from the product to completely cut off the power supply. OPS refers to the Intel Open Pluggable Specification. When the OPS case needs to be installed, be sure to install the OPS case first before the product. OPS power supply: 16 V/4.5 A

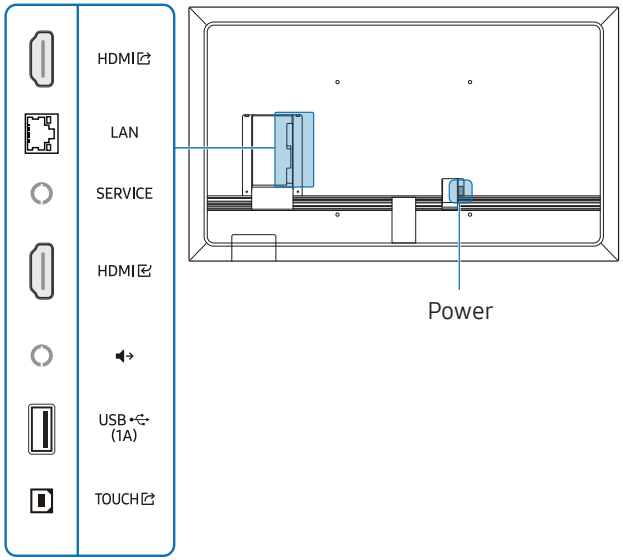


Buttons

Buttons	Description
	Press the button to display the Home screen. Any active windows will be minimised.
	Press to return to the previous screen. You can also return to the previous screen by simultaneously tapping the screen with three fingers.
	Press the button to use the Freeze Frame function. The source screen will be paused on the Flip screen, but it does not affect the source device. Press the button again to cancel the function.
	You can turn the Note On function on.
/	Adjust the volume. If you have connected two Bluetooth speakers, volume control is only available when connected speakers support the AVRCP (Audio Video Remote Control Profile). (AVRCP is supported on Samsung Soundbars released in 2021 and later.)

Ports

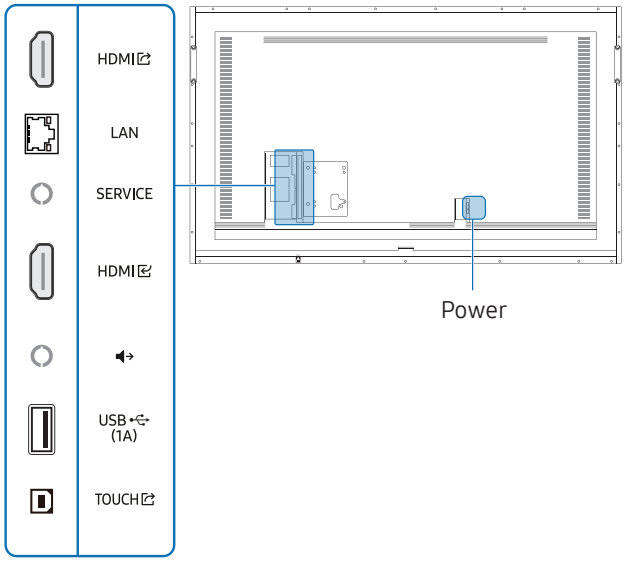
WM55FX/WM65FX



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

Ports	Description
HDMI	Used to output the screen to external device using an HDMI cable.
LAN	Connects to a network using a LAN cable. (10/100 Mbps) Use Cat7(*STP Type) cable for the connection. * Shielded Twist Pair.
SERVICE	Dedicated to service technicians. This port is for servicing only and has no user function. Do not connect a cable to this port.
HDMI	Connects to a source device using a HDMI cable.
	Outputs sound to an audio device using an audio cable.
USB (1A)	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.
TOUCH	Allows touch-based control of the PC screen connected through the **HDMI** or **DP** port. Use the supplied USB cable to connect between the **TOUCH** port on the rear of the product and the PC.

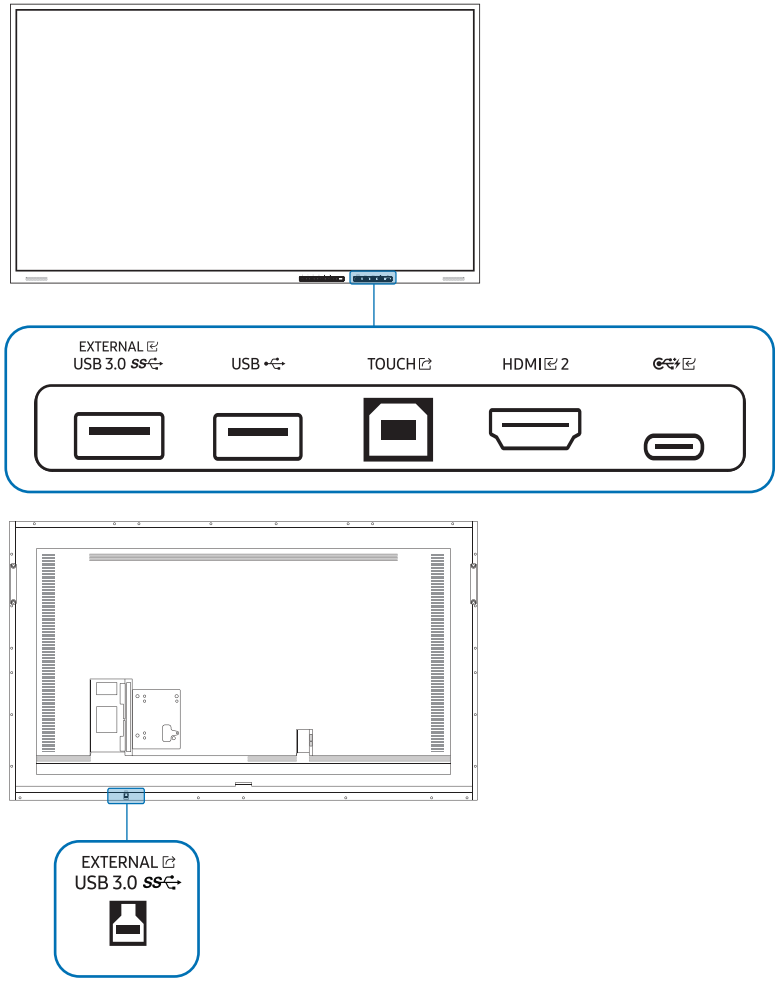
WM75FX/WM85FX



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

Rear ports

Ports	Description
HDMI	Used to output the screen to external device using an HDMI cable.
LAN	Connects to a network using a LAN cable. (10/100 Mbps) Use Cat7(*STP Type) cable for the connection. * Shielded Twist Pair.
SERVICE	Dedicated to service technicians. This port is for servicing only and has no user function. Do not connect a cable to this port.
HDMI	Connects to a source device using a HDMI cable.
	Outputs sound to an audio device using an audio cable.
USB (1A)	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.
TOUCH	Allows touch-based control of the PC screen connected through the **HDMI** or **DP** port. Use the supplied USB cable to connect between the **TOUCH** port on the rear of the product and the PC.



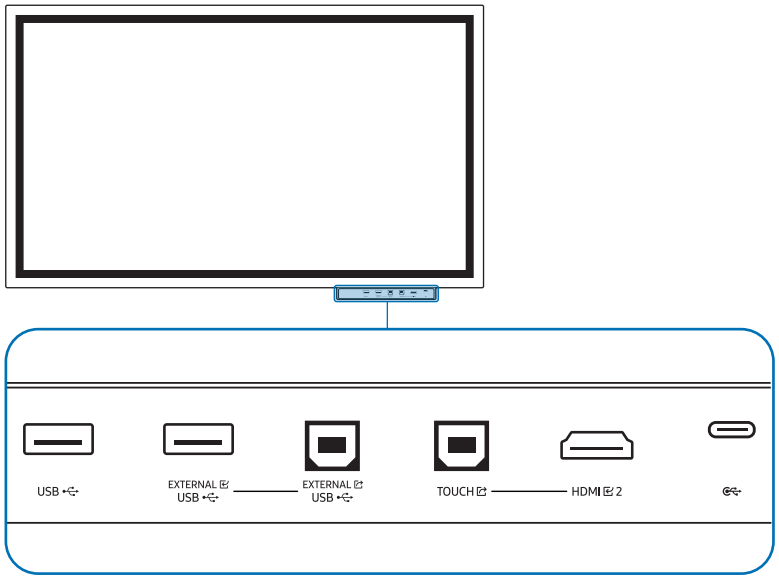
The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.

Front ports

Ports	Description
EXTERNAL (USB 3.0 SS)	Provides USB connectivity to PC. 1 Use a USB cable to connect **EXTERNAL (USB 3.0 SS)** to the connected PC. 2 Connect the USB device to **EXTERNAL (USB 3.0 SS)**. 3 A connection is established between the USB device and PC.
EXTERNAL (USB 3.0 SS)	
USB	Connect to a USB memory device.
TOUCH	Allows touch-based control of the PC screen connected through the **HDMI 2** port. Use the supplied USB cable to connect between the **TOUCH** port on the tray and the PC.
HDMI 2	An HDMI port for displaying input from an external source.
	You can connect a device using a USB-C cable. • USB-C connection allows video output, touch-based control of the device and you can also charge the connected device. Data transfer is not supported. You must use a USB-C cable that supports video transmission and charging function. Use a cable that supports DP ALT Mode (Video transmission) and Power Delivery (65 W or higher). Use a USB-C cable that is 1 m or shorter in length. Charging with USB-C cable is only available when the product is on.

Tray

WM55FX/WM65FX



- Trays are sold separately. Contact your vendor for assistance to make a purchase.
- The colour and shape of parts may differ from what is shown. Specifications are subject to change without notice to improve quality.
- The product must be powered off when you install the tray.

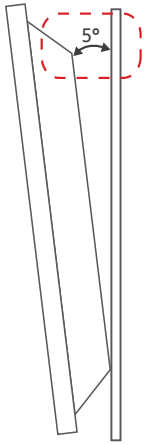
Ports	Description
USB	Connect to a USB memory device.
EXTERNAL (USB)	Provides USB connectivity to PC. 1 Use a USB cable to connect **EXTERNAL** (**USB**) to the connected PC. 2 Connect the USB device to **EXTERNAL** (**USB**). 3 A connection is established between the USB device and PC.
EXTERNAL (USB)	
TOUCH	Allows touch-based control of the PC screen connected through the **HDMI** 2 port. Use the supplied USB cable to connect between the **TOUCH** port on the tray and the PC.
HDMI 2	An HDMI port for displaying input from an external source.
	You can connect a device using a USB-C cable. • USB-C connection allows video output and touch-based control of the device. Data transfer is not supported. You must use a USB-C cable that supports video transmission. Use a cable that supports DP ALT Mode (Video transmission). Use a USB-C cable that is 1 m or shorter in length. Charging is also supported up to 15 W (5 V/max 3 A). Charging with USB-C cable is only available when the product is on.

Before installing the product (Installation guide)

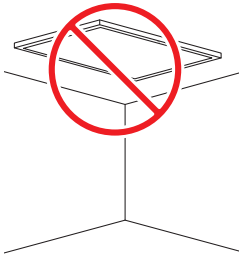
This product can be wall-mounted. The exclusive Samsung stand (for WM55FX) and wall mount (for WM65FX) are available for optional purchase.

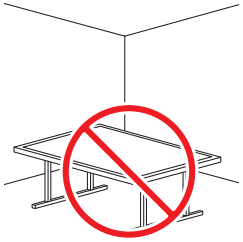
- Make sure the installed product is parallel to the wall.

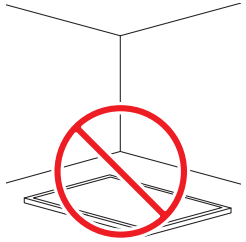
If the product is tilted more than 5 degrees toward the front, touch-related functions may malfunction.



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



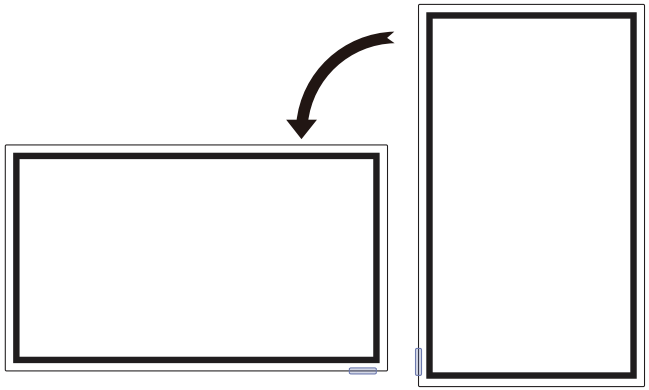




Rotation (WM55FX/WM65FX only)

Contact Samsung Customer Service Centre for further details.

- To use the product in landscape mode, turn it anticlockwise and make sure the power indicator is on the right after turning.



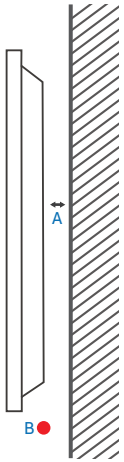
Ventilation

Contact Samsung Customer Service Centre for further details.

Installation on a perpendicular wall

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

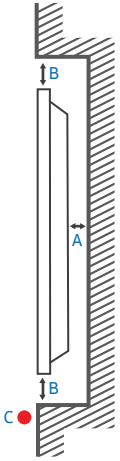
Model name	Minimum clearance at the back (A)	Maximum ambient temperature (B)
WM55FX	15 mm	35 °C
WM65FX	0 mm	35 °C
WM75FX	15 mm	35 °C
WM85FX	15 mm	35 °C



Installation on an indented wall

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

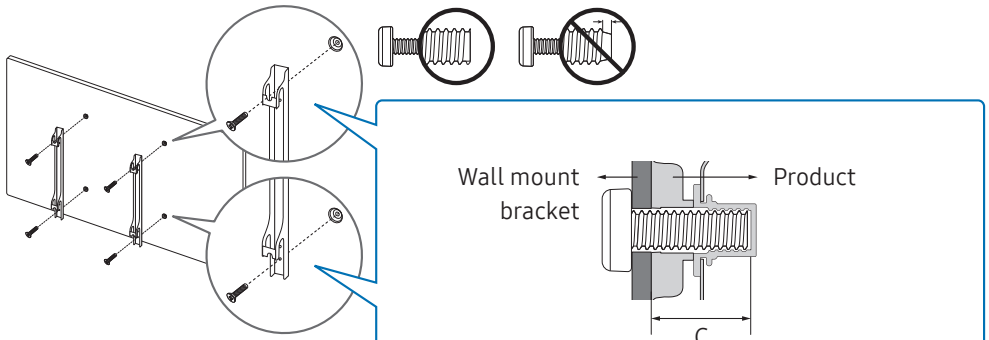
Model name	Minimum clearance at the back (A)	Minimum clearance at the top (B)	Maximum ambient temperature (C)
WM55FX	15 mm	25 mm	35 °C
WM65FX	0 mm	25 mm	35 °C
WM75FX	15 mm	25 mm	35 °C
WM85FX	15 mm	25 mm	35 °C



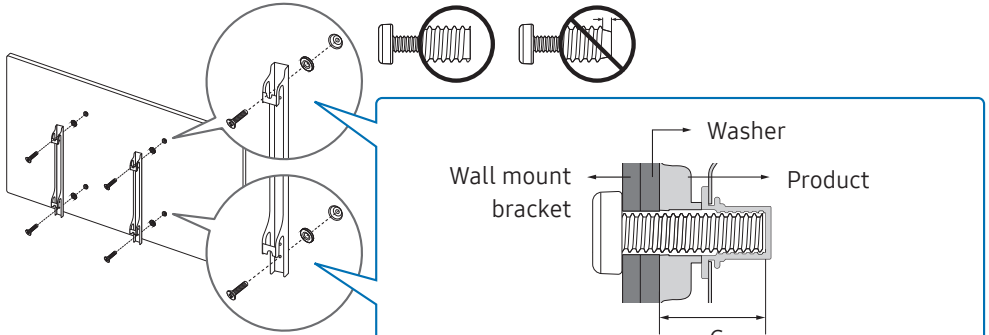
Installing the wall mount

Using the wall mount kit

- The wall mount kit allows you to mount the product on the wall.
- For detailed information on installing the wall mount, see the instructions provided with the wall mount.
- It is recommended 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.

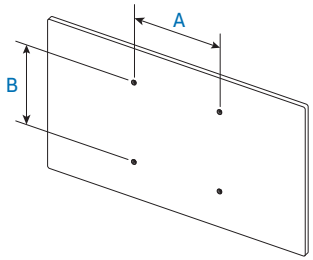


<WM55FX/WM65FX>



<WM75FX/WM85FX>

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.
- Always have at least two people mount the product on a wall. (Four or more people for the 85-inch size and larger models.)
- Standard dimensions for wall mount kits are shown in the table below.

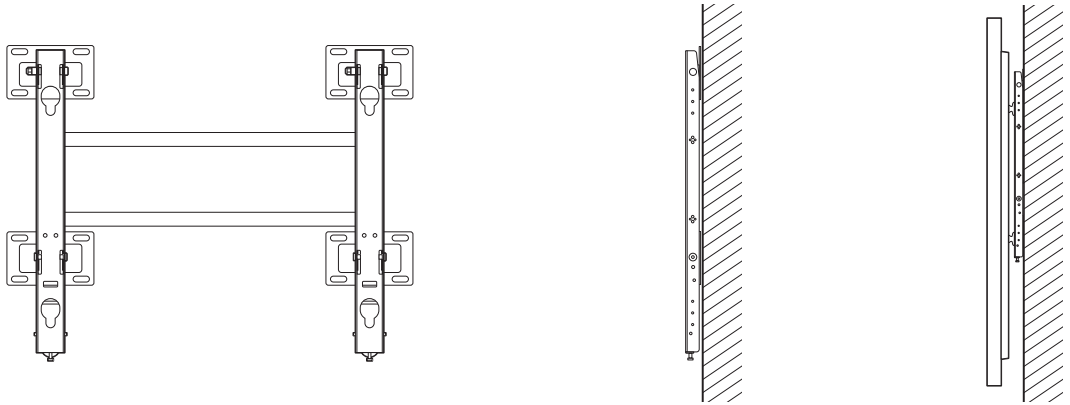
Model name	VESA screw hole specs (A x B) in millimetres	C (mm)	Standard screw	Quantity
WM55FX	400 x 400	30 - 31	M8	4
WM65FX		32 - 33		
WM75FX		15 - 17		
WM85FX	600 x 400	15 - 17		

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

Installing the wall mount on a wall perpendicular to the ground

- When installing the wall mount, keep the product parallel to the wall.

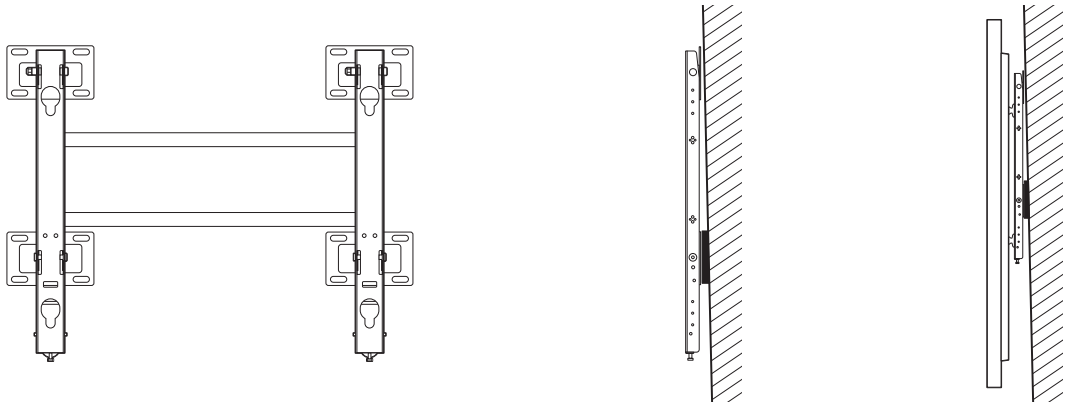
The appearance may differ depending on the product.



Installing the wall mount on a tilted wall

- When installing the wall mount, keep the product parallel to the wall.
- Using the spacer, install the wall mount so that it is perpendicular to the floor.

The appearance may differ depending on the product.



Connecting to a network

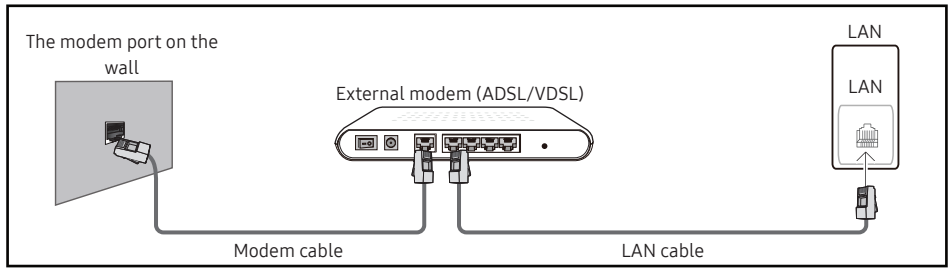
- Connecting parts may differ in different products.
- When the network is connected, it enables Multiple Display Control, Device Discovery, DLNA and Log Downloader. Services supported by software updates are subject to change.
- To use Wi-Fi Direct, the mobile device must support the Wi-Fi Direct function. To check whether your mobile device supports Wi-Fi Direct, refer to the mobile device's user manual.
- To ensure safe and secure use of the product, connect to the network using a securely managed router.

Network settings (Wired)

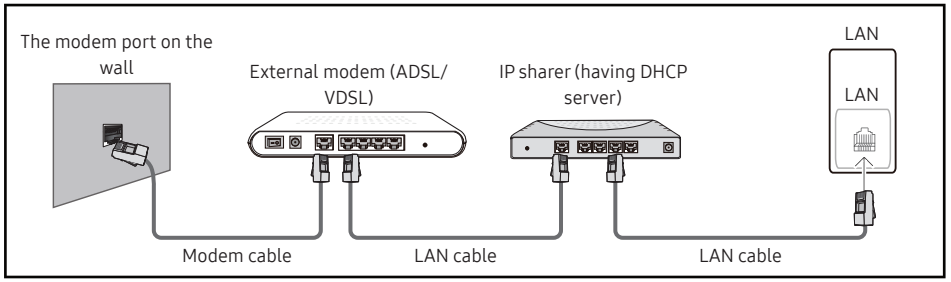
Connecting to a wired network

There are three ways to attach your product to your LAN using cable.

- You can attach your product to your LAN by connecting the LAN port on the back of your product to an external modem using a LAN cable. See the diagram below.

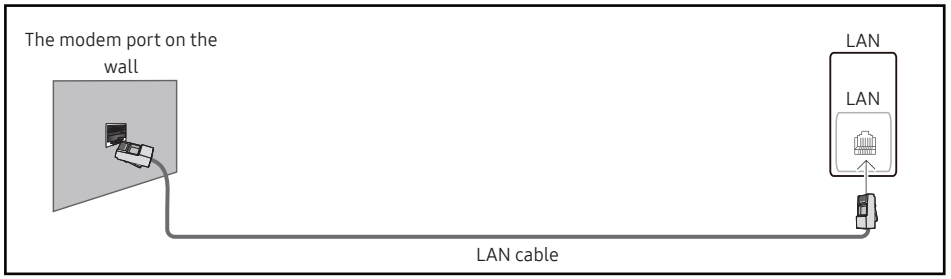


- You can attach your product to your LAN by connecting the LAN port on the back of your product to an IP sharer which is connected to an external modem. Use LAN cable for the connection. See the diagram below.



- Depending on how your network is configured, you may be able to attach your product to your LAN by connecting the LAN port on the back of your product directly to a network wall outlet using a LAN cable.

  See the diagram below. Note that the wall outlet is attached to a modem or router elsewhere in your house.



If you have a Dynamic Network, you should use an ADSL modem or router that supports the Dynamic Host Configuration Protocol (DHCP). Modems and routers that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS values your product needs to access the Internet so you do not have to enter them manually. Most home networks are Dynamic Networks.

Some networks require a Static IP address. If your network requires a Static IP address, you must enter the IP address, subnet mask, gateway, and DNS values manually on your product Cable Setup Screen when you set up the network connection. To get the IP address, subnet mask, gateway, and DNS values, contact your Internet Service Provider (ISP).

If you have a Windows computer, you can also get these values through your computer.

- You can use ADSL modems that support DHCP if your network requires a Static IP address.
- ADSL modems that support DHCP also let you use Static IP addresses.

Set the network connection to use Internet services such as perform software upgrades.

Automatic Open Network Settings (Wired)

Connect to the network using a LAN cable.

Make sure a LAN cable is connected first.

How to set up automatically

1 Set Network Type to Wired from the Open Network Settings page.

2 The network connection screen appears, and the verification process starts.

3 When the connection has been verified, the OK button appears on the bottom of the screen.

4 Tap OK.

If the connection process fails, check the LAN port connection.

If the automatic process cannot find the network connection values or if you want to set the connection manually, go to the next section, "Manual Open Network Settings (Wired)".

Manual Open Network Settings (Wired)

Offices may use static IP addresses.

If this is the case, ask the network administrator for the IP address, subnet mask, gateway and DNS server address. Enter these values manually.

Getting the network connection values

To view the Network connection values on most Windows computers, follow these steps.

1 Right click the **Network** icon on the bottom right of the screen.

2 In the pop-up menu that appears, click **Status**.

3 On the dialogue that appears, click the **Support** tab.

4 On the **Support** tab, click the **Details** button. The Network connection values are displayed.

How to set up manually

1 Set Network Type to Wired from the Open Network Settings page.

2 The network connection screen appears, and the verification process starts.

3 Select Cancel while network connections are being attempted. This will stop the connection.

4 Select IP Settings on network connection screen. The IP Settings screen appears.

5 Select the field at the top and then set IP setting to Enter manually.

Setting IP setting to Enter manually automatically changes DNS setting to Enter manually.

6 Enter the IP Address, Subnet mask, Gateway, and DNS Server values manually.

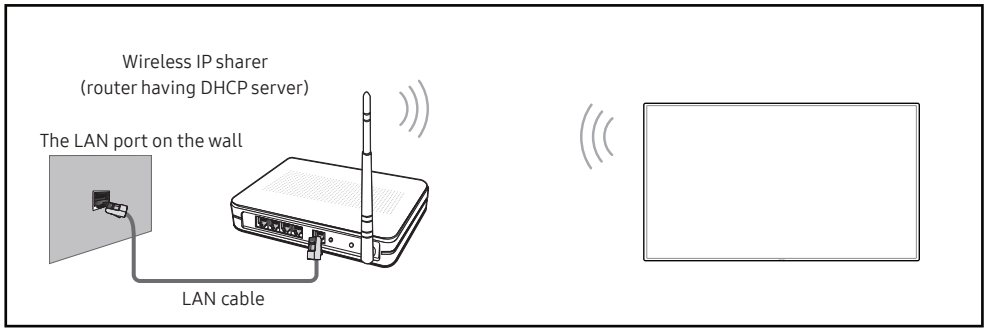
7 When done, select OK at the bottom of the page. The network test screen appears and the verification process starts.

8 When the connection has been verified, the OK button appears on the bottom of the screen.

9 Tap OK to complete the setting.

Network settings (Wireless)

Connecting to a wireless network



Samsung recommends using IEEE 802.11n. When you play video over a network connection, the video may not play smoothly.

- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communication failure.
- Your product supports only the following wireless network security protocols.
  If you select the Pure High-throughput (Greenfield) 802.11n mode and the encryption type is set to WEP, TKIP or TKIP AES (WPS2Mixed) on your AP or wireless router, Samsung products will not support a connection in compliance with new Wi-Fi certification specifications.
- If your wireless router supports WPS (Wi-Fi Protected Setup), you can connect to the network using PBC (Push Button Configuration) or PIN (Personal Identification Number). WPS will automatically configure the SSID and WPA key in either mode.
- Connection methods: You can setup the wireless network connection in three ways. Auto Setup (Using the Auto Network Search function), Manual Setup, Use WPS
- This product supports Enterprise WPA2 (TLS/TTLS/PEAP).

Automatic network setup (Wireless)

Most wireless networks have an optional security system that requires devices that access the network to transmit an encrypted security code called an Access or Security Key. The Security Key is based on a Pass Phrase, typically a word or a series of letters and numbers of a specified length you were asked to enter when you set up security for your wireless network. If you use this method of setting up the network connection, and have a Security Key for your wireless network, you will have to enter the Pass Phrase during the automatic or manual setup process.

How to set up automatically

1. Set Network Type to Wireless from the Open Network Settings page.
2. The product searches for available wireless networks. When done, it displays a list of the available networks.
3. In the list of networks, select a network.
   - If the desired wireless router does not appear, select Refresh to search again.
   - If the router cannot be found after retrying, select Add Network.
4. If you selected a password-protected network, enter the password, and tap Go.
   - You may skip this step if you selected an open network.
5. The network connection screen appears, and the verification process starts.
6. When the connection has been verified, the OK button appears on the bottom of the screen.
7. Tap OK.

Manual network setup (Wireless)

Offices may use static IP addresses.

If this is the case, ask the network administrator for the IP address, subnet mask, gateway and DNS server address. Enter these values manually.

Getting the network connection values

To view the network connection values on most Windows computers, follow these steps.

1 Right click the **Network** icon on the bottom right of the screen.

2 In the pop-up menu that appears, click **Status**.

3 On the dialogue that appears, click the **Support** tab.

4 On the **Support** tab, click the **Details** button. The Network connection values are displayed.

How to set up manually

1 Set Network Type to Wireless from the Open Network Settings page.

2 The product searches for available wireless networks. When done, it displays a list of the available networks.

3 In the list of networks, select a network.

- If the desired wireless router does not appear, select Scan to search again.
- If the router cannot be found after retrying, select Add Network.

4 If you selected a password-protected network, enter the password, and tap Go.

- You may skip this step if you selected an open network.

5 The network connection screen appears, and the verification process starts.

6 Select Cancel while network connections are being attempted. This will stop the connection.

7 Select IP Settings on network connection screen. The IP Settings screen appears.

8 Select the field at the top and then set IP setting to Enter manually.

- Changing IP setting to Enter manually automatically changes DNS setting to Enter manually.

9 Enter the IP Address, Subnet mask, Gateway, and DNS Server values manually.

10 When done, select OK at the bottom of the page. The network test screen appears, and the verification process starts.

11 When the connection has been verified, the OK button appears on the bottom of the screen.

12 Tap OK to complete the setting.

How to set up using the WPS button

If your router has a WPS button, follow these steps.

1 Set Network Type to Wireless from the Open Network Settings page.

2 Select Use WPS.

3 Press the WPS or PBC button on your wireless router within the next two minutes. Your product automatically acquires all the network setting values it needs and connects to your network.

4 The network connection screen appears, and network setup is done.

Chapter 03
Connection

Before connecting

Pre-connection checkpoints

- Refer to the user guide for the source device you want to connect with.
  The number and location of ports available on the source device may vary depending on the model.
- Do not connect the power cord until all connections are completed.
  Connecting the power cord during connection may damage the product.
- Check the types of ports at the back of the product you want to connect.
- Use authorised cables for HDMI cable connections.

Cable connection guide

- Connecting parts may differ depending on the model.

1 Connect the product to the PC using an HDMI and USB-C cable.

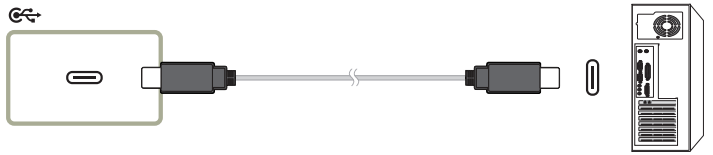
- HDCP contents will not show on the screen if Capture is set to On.
- When the screen is black, turn off Capture because some graphic cards can support HDCP automatically.
- Use a USB-C cable that is 1 m or shorter in length.

HDMI



<WM55FX/WM65FX>

- You must use a USB-C cable that supports video transmission. Use a cable that supports DP ALT Mode (Video transmission).
- Charging is also supported up to 15 W (5 V/max 3 A). Charging with USB-C cable is only available when the product is on.



<WM75FX/WM85FX>

- You must use a USB-C cable that supports video transmission and charging function. Use a cable that supports DP ALT Mode (Video transmission) and Power Delivery (65 W or higher).
- Charging with USB-C cable is only available when the product is on.



2 Tap ⋯ → Menu → Sources → USB-C / OPS on the screen.

3 To control the PC from the product screen, connect the supplied USB cable to the **TOUCH** port on the product.

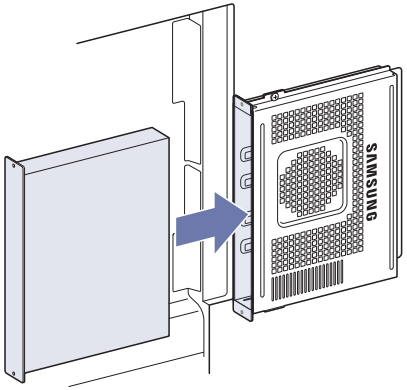
- If used in a multi-screen setup, make sure you have configured FLIP as the main display.
- This step does not apply if you are using a USB-C cable.
- If you use Mac OS, you must install the UPDD driver to control your PC. You can download the UPDD driver from http://www.samsung.com/business.

  If you are using MAC with macOS 11 (Big Sur) and over, go to **System Preference**, click **Security & Privacy**, then select **App Store and identified developers** under the header **Allow apps downloaded from**.



OPS connection guide (Sold separately)

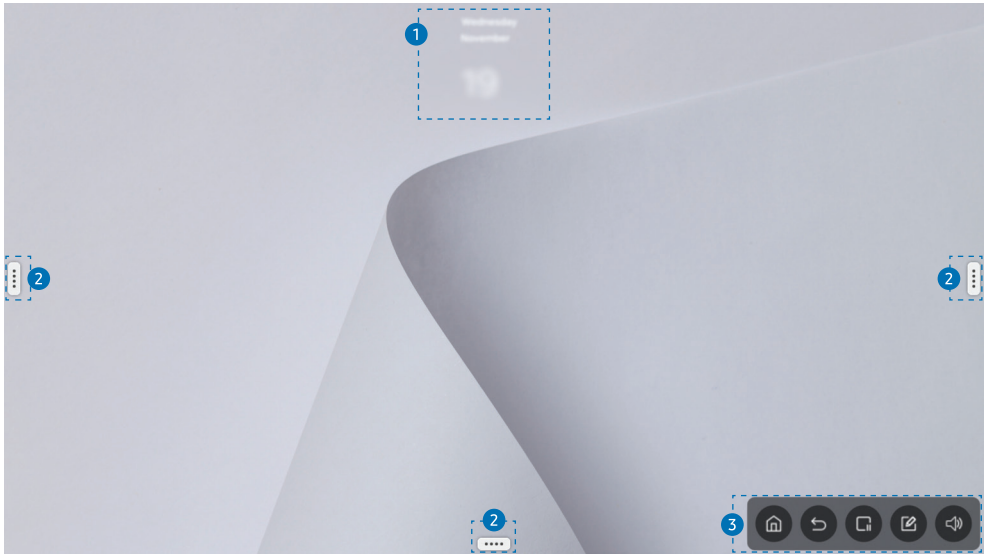
- OPS is only available for WM75FX/WM85FX.
- Turn off Flip before connecting OPS.



Touchscreen may not work properly during initial OPS **Windows** settings. Connect a mouse and keyboard to OPS for use during initial settings.

Chapter 04
User interface

About the Home Screen



Name	Description
1 Widget (Date & Time)	Displays the current time and date.
2 Task Bar button	Tap the button on the left, right, or bottom of the screen to show the Task Bar. It allows quick access to various menus, apps, and settings.
3 Floating menu	Floating menu appear when you press the **Power** button while the product is on. • : Display the Home screen. Any active app windows will be minimised. • : Return to the previous screen. • : Turn the Freeze Frame function on. The source screen will be paused on the Flip screen, but it does not affect the source device. Tap the button again to cancel the function. • : Turn the Note On function on. • : Adjust the volume. This feature is only available for WM55FX/WM65FX.
4 Background/Widget	Touch and hold an empty area on the Home screen to open the menu. You can change the background or the widget (Date & Time) from this menu.

Changing the widget

You can change the Date & Time format.

1 Touch and hold an empty area on the Home screen to open the menu.

2 Tap Widget.

3 Select the widget you wish to add.

4 Tap Add.

- To cancel adding the widget, tap Cancel.

Changing the background

1 Touch and hold an empty area on the Home screen to open the menu.

2 Tap Background.

3 Select the desired background.

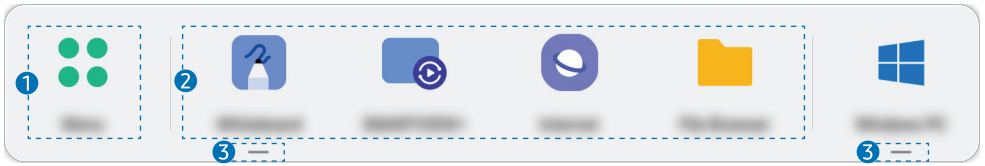
- You can tap Others to choose the background from downloaded files.

4 Tap OK.

- To cancel the change, tap Cancel.

About the Task Bar

Tap the •••• button to display the Task Bar.



Name	Description
1 Menu	Opens the main menu that provides access to various apps grouped into different categories.
2 Favorites	Displays your favorite apps for quick access. You can add or remove a app from Favorites list on the Task Bar. • A grey line appears below the icon when the favorite app is open or active. • You can touch and hold the icon to view the available options. - Remove from Task Bar: Removes the selected app from Favorites. - Move: Allows you to change the app's position within the Task Bar. - Exit: Closes the selected app. - Exit All: Closes all active apps.
3 Active apps	Shows currently running apps. Tap an icon to switch to the active app. • You can touch and hold the icon to see the available options.

Adding an app to Favorites

1 Tap the •••• button to display the Task Bar.

2 Tap Menu.

3 Tap the ☆ icon next to an app to add it to the Favorites list on the Task Bar.

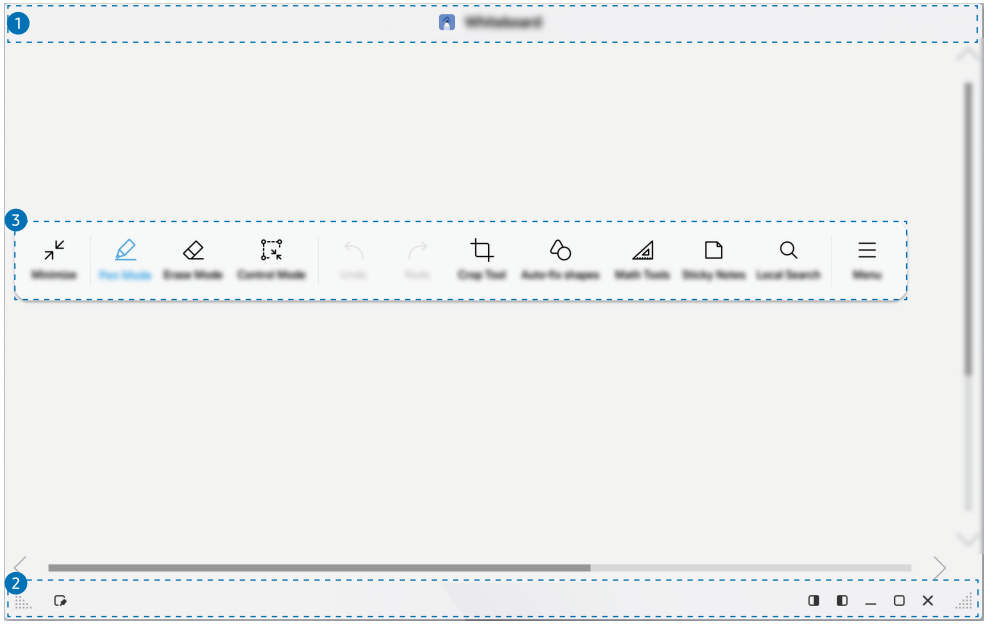
Removing an app from Favorites

You can remove an app from the Favorites list in either of the following ways:

- Touch and hold an app on the Task Bar, and then select Remove from Task Bar.
- Tap the ☆ icon again in the Menu to remove it from the Task Bar.

About the app window

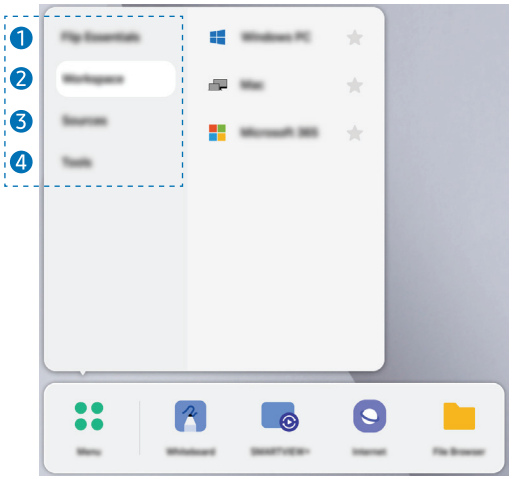
When you launch an app, it opens in a separate window. You can move or resize the app window freely on the Home screen.



Name	Description
1	Displays the title of the active window. You can move the window by touching and dragging this area.
2	Allows you to resize or position the window. • : Touch and drag to resize the window. • : Pin the window behind all other open windows. This option is available only in Whiteboard and Brush apps. • : Snap the window to the left half of the screen. • : Snap the window to the right half of the screen. • — : Minimise the window. • / : Maximise the window or restore down to full screen or restore the screen to its previous size. • ✕ : Close the window. After maximizing the window, the this bar remains visible for a short moment and then automatically hides. Swipe from the edge of the screen toward the centre to display it again.
3	The toolbar appears in Whiteboard and Brush apps and shows the tools available for use.

Menu

→ Menu



Name	Description
1 Flip Essentials	This menu provides access to essential apps. You can open an app from the list to start using its features. For more information, refer to "Flip Essentials".
2 Workspace	You can access a remote PC and your work resources.
3 Sources	You can view the screen of a mobile device or PC connected to the product, or import data such as images from a connected USB or network drive.
4 Tools	You can select and use various tools. You can access **Settings** menu and configure various settings such as **Network**, **Display**, **Sound**, etc. For more information, refer to "Tools".

Using the Workspace

•••• → Menu → Workspace

Access to a remote PC and your work resources with this function.

Menu	Description
Windows PC	• Remote PC: This function allows you to connect your product to a remote PC or a cloud server. • Screen Sharing: You can share your Windows PC screen on your device. Follow the on-screen instructions to connect to your PC. Only PCs or Cloud Servers running on macOS/Windows 11 Pro or newer are supported.
Mac	• Screen Mirroring: You can share your Mac screen on your device. Follow the on-screen instructions to connect to your Mac. - Devices must support receiving Screen Mirroring to project the shared screen using Screen Sharing. - This feature may not work properly with third-party devices. • Remote Login: Allows you to connect to your Mac remotely.
Microsoft 365	• Provides access to Microsoft 365 features from Microsoft.

Using the Sources

•••• → Menu → Sources

You can view the screen of a mobile device or PC connected to the product, or import data such as images from a connected USB or network drive.

Menu	Description
HDMI	Displays the screen of an external device connected to the HDMI port. The menu name appears on the display may differ depending on the model. (for example, HDMI, HDMI1, or HDMI2)
USB-C	Displays the screen of an external device connected to the USB-C port.
OPS	Displays the screen from the installed OPS computer. OPS is only available for WM75FX/WM85FX
Screen Mirroring	Displays the screen of an external device through the Screen Mirroring function.
AirPlay	Stream videos, music, and photos from your iPhone, iPad, or Mac using AirPlay.

The list of sources displayed under the Sources menu may vary depending on the model and usage environment. Only the source devices connected to the product using the corresponding cable are shown in the list.

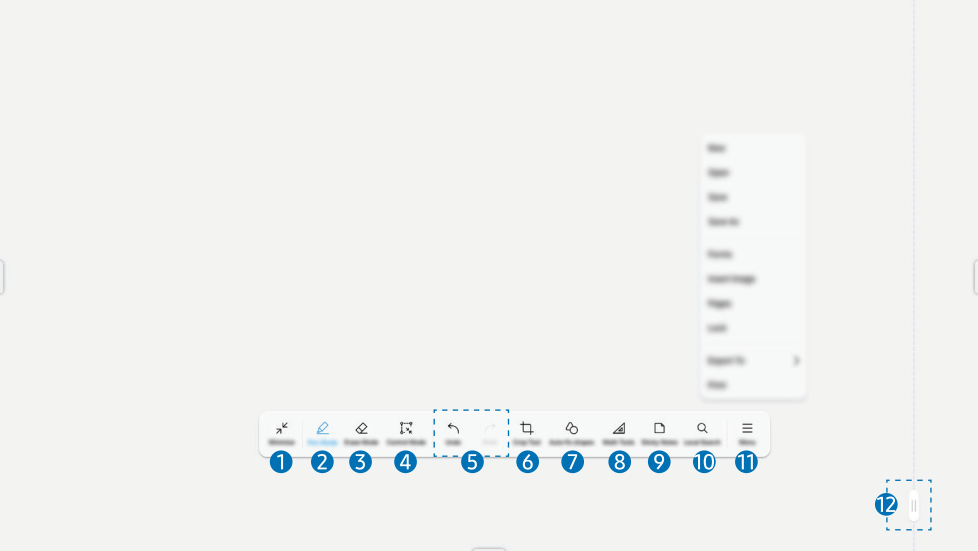
Chapter 05
Flip Essentials

→ Menu → Flip Essentials

Using the Whiteboard

→ Menu → Flip Essentials → Whiteboard

Main screen description



Name	Description
1 Minimise	Tap to minimise the toolbar. • The toolbar becomes a button, which you can tap to expand it back.
2 Pen Mode	You can start writing or drawing on the Whiteboard. • While this mode is selected, you can tap this button again to set the pen type, thickness, and colour.
3 Erase Mode	You can erase what is written on the Whiteboard. • While this mode is selected, you can tap this button again to set the eraser thickness, or erase the entire contents in the current roll.
4 Control Mode	Select an object on the Whiteboard by tapping it or dragging a box around it. Then you can duplicate, delete, move, rotate, or resize selected object. You can also search for the selected item on the Internet.
5 Undo / Redo	Undo or redo the last action. • The undo or redo option resets once you edit the page by adding, deleting, or moving. You can undo or redo up to 20 actions.
6 Crop Tool	Select a desired area to copy and edit it. You can also send the selected area by e-mail or print it.
7 Auto-fix shapes	When this feature is enabled, drawn objects are automatically recognised as polygons and adjusted to clean, geometric shapes.

Name	Description
8 Maths Tools	Use math tools to make geometric constructions and take measurements.
9 Sticky Notes	You can add a sticky notes on the Whiteboard.
10 Local Search	You can search the texts written on the Whiteboard.
11 Menu	Tap to see more options available in the menu. • New : Create a new roll. • Open : Open a saved roll. • Save: Save the current roll. • Save as : Save the current roll with a new name. • Forms : Change the background format. • Insert Image : Insert an image saved in the Downloaded Files folder. • Pages : You can add/delete a page, or navigate through pages on the current roll. • Lock : You can set a PIN and save the roll to protect the contents in it. - You will be asked to enter the PIN when you open the locked rolls. • Export To : You can export the current roll to mobile, email, or the File Browser. • Print : You can print the current roll.
12 Scroll button	Drag the button to scroll through the pages.

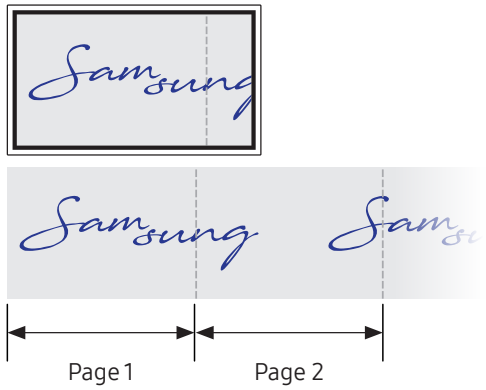
About the ‘Roll’

- Files are called ‘rolls’ in this product. A ‘roll’ is a file with multiple pages linked together.
- A roll can have up to 20 pages linked together.

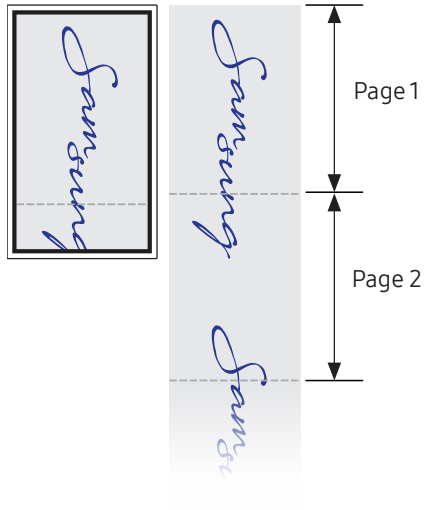
You can zoom in or out by pinching or spreading two fingers on the screen.

You can open only one roll on one screen.

Landscape orientation



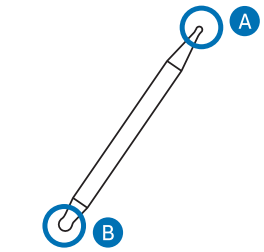
Portrait orientation



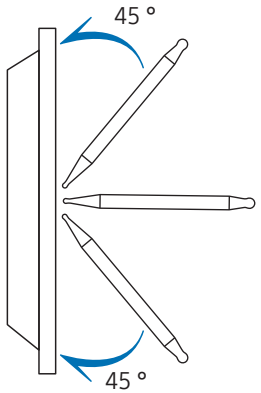
Drawing

You can freely use the supplied pen to write anything you want.

- Thin Tip (A): Pen Type
- Thick Tip (B): Highlighter Type

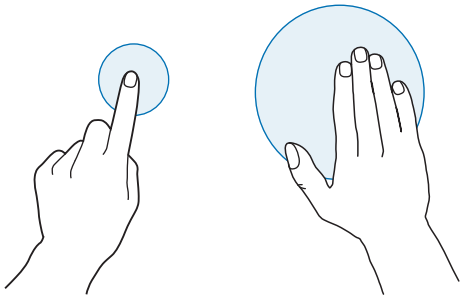


- When you are using the thin tip, if the pen is tilted too much toward the screen (within 45 degrees as shown in the figure), the output can appear to be highlighter type.



Erasing

You can use your finger or palm to erase your writing.

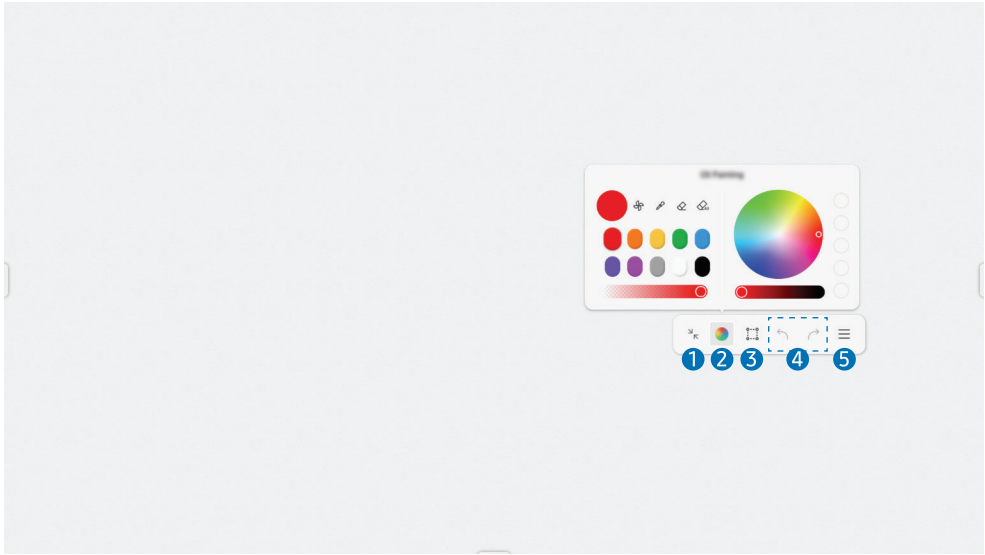


Brush

→ Menu → Flip Essentials → Brush

Main screen description

After opening the app, you must select the desired type of painting.



Name	Description
1 Minimise	Tap to minimise the toolbar. • The toolbar becomes a button, which you can tap to expand it back.
2 Palette	Tap to open the Palette. You can select the colour and use other options. • : Dry colours to stop blending. • : Extract the colour from the selected point. • : Delete the selected area. • ALL: Delete the entire content.
3 Select	Select the area you want to capture, send it in an email, or print.
4 Undo / Redo	Undo or redo the last action. • The undo or redo option resets once you edit the page by adding, deleting, or moving. You can undo or redo up to 5 actions.
5 Menu	Tap to see more options available in the menu.

Menu descriptions

Name	Description
New	Create a new canvas.
Open	You can open the saved canvas.
Save	Save the current canvas.
Save as	Save the current roll with a new name.
Insert Image	Insert an image saved in the Downloaded Files folder.
Lock	You can set a PIN and save the canvas to protect the contents in it. - You will be asked to enter the PIN when you open the locked canvas.
Export To	You can export the current canvas to mobile, email, or the File Browser.
Print	You can print the current canvas.

Internet

•••• → Menu → Flip Essentials → Internet

Connect the network to access the Internet from the product like accessing the Internet from a computer.

Capture, reposition, or see the browser window in full screen view.

A specific page may not appear or work because of compatibility issues.

Read before using the Internet function

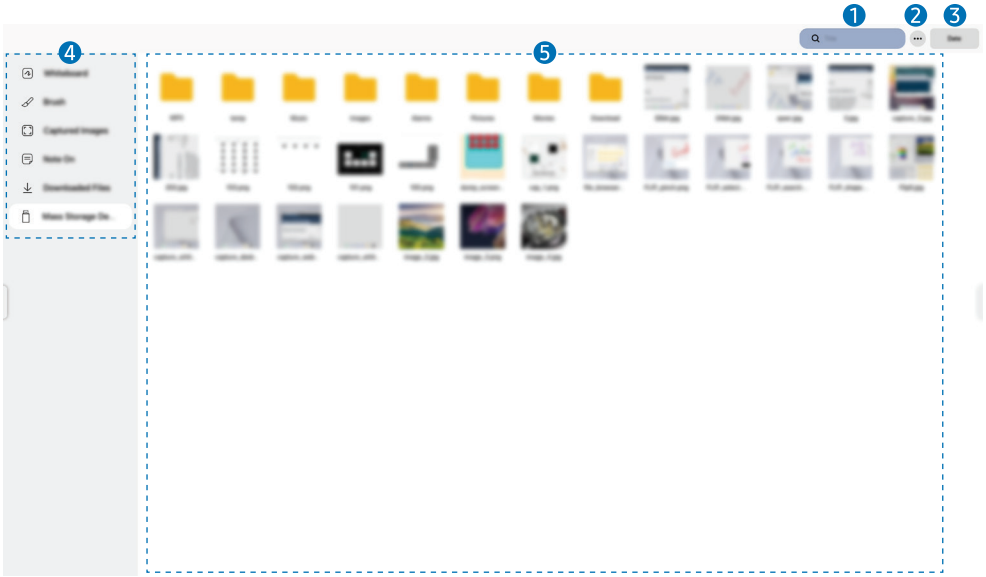
Read this information before using the Internet function.

- File download and upload is supported.
- The Internet function may not be able to access certain websites, including websites operated by certain companies.
- Flip does not support playback of flash videos.
- E-commerce for online purchases is not supported.
- ActiveX is not supported.
- Only a limited number of fonts are supported. Certain symbols and characters may not be displayed properly.
- The response to remote commands and the resulting on-screen display may be delayed while a webpage is loading.
- Loading a webpage may be delayed or suspended completely depending on the status of the participating systems.
- Copy and paste operations are not supported.
- When composing an email or a simple message, certain functions such as the font size and colour selection may not be available.
- There is a limit to the number of bookmarks and the size of the log file that can be saved.
- The number of windows that can be opened concurrently is limited.
- Web browsing speed will differ with the network environment.
- Browsing history is saved from latest to oldest, with the oldest entries being overwritten first.
- Depending on the types of video/audio codecs supported, certain HTML5 video and audio files might not be playable.
- Video sources from PC-optimised streaming service providers may not play properly on our proprietary Internet browser.

File Browser

→ Menu → Flip Essentials → File Browser

Main screen description



Name	Description
1 Search	You can search for files containing the entered text.
2 More	More: You can change the View Mode or enter Edit mode. • View Mode: You can switch the file display layout between List and Grid view. The View Mode can be set differently for each category. • Edit: You can select and delete, copy or move files.
3 Sort option	You can sort files by date, name, or type in ascending or descending order.
4 Categories	You can check the files included in each category.
5 Folders/Files	You can view folders and files within the selected category.

SMARTVIEW+

You can display the screen shared from your PC, mobile, or tablet. Make sure that your PC, mobile, and tablet are connected to the same network as Flip.

•••• → Menu → Flip Essentials → SMARTVIEW+



Connection guide

Connection list

- Open the SMARTVIEW+ and follow the onscreen instructions to connect with the desired device.

The certificate installation is required for the PC Client, and you can download the certificate from the URL provided in the initial screen of SMARTVIEW+.

You may get a security warning if you try to access Flip SMARTVIEW+ on your PC client browser without the certificate installed. Click 'Advanced' on the browser to advance to the site, and you can install the certificate. (This instruction may not apply to all browsers.)

If the Client device's screen aspect ratio differs from the Flip, the Client device may transmit a partially cropped screen. You may experience a partially cropped image of the Client device's screen on Flip since it displays according to the signal received from the Client device.

SMARTVIEW+ supports the following browsers; however, browsers on some devices may not function properly.

- Web Browser: Chrome 72 above, Safari 13 above, Edge 79 above, FireFox 66 above
- PC: Windows, Mac OS, ChromeOS
- The following settings are recommended for optimised screen sharing with SMARTVIEW+.
  - Use the Firefox browser.
  - Set the client device's screen aspect ratio and the screen orientation to the same as the Flip. (Example: PC – Landscape, Flip – Landscape)

You can download and install the SAMSUNG SIGNAGE MOBILE app (Samsung Flip) from the Play Store, App Store, and Galaxy Store.

- Mobile: iOS(12 above), Android(9 above)

After connecting the client device to Flip, you must choose a sharing option from the full screen, app screen, or browser tab to start sharing your screen.

Apps

•••• → Menu → Flip Essentials → Apps

Manage and update your apps. To use the APPS Menu, please agree to the Terms and Conditions. Check details information of app and reinstall when the app does not work properly.



Chapter 06
Tools

•••• → Menu → Tools

Block Screen

•••• → Menu → Tools → Block Screen



The Block Screen feature covers the current screen with a blind effect to hide the display content.

- To cancel the Block Screen feature, press the **Power** button.

Capture

•••• → Menu → Tools → Capture



The Capture feature allows you to capture a specific area or the entire screen.

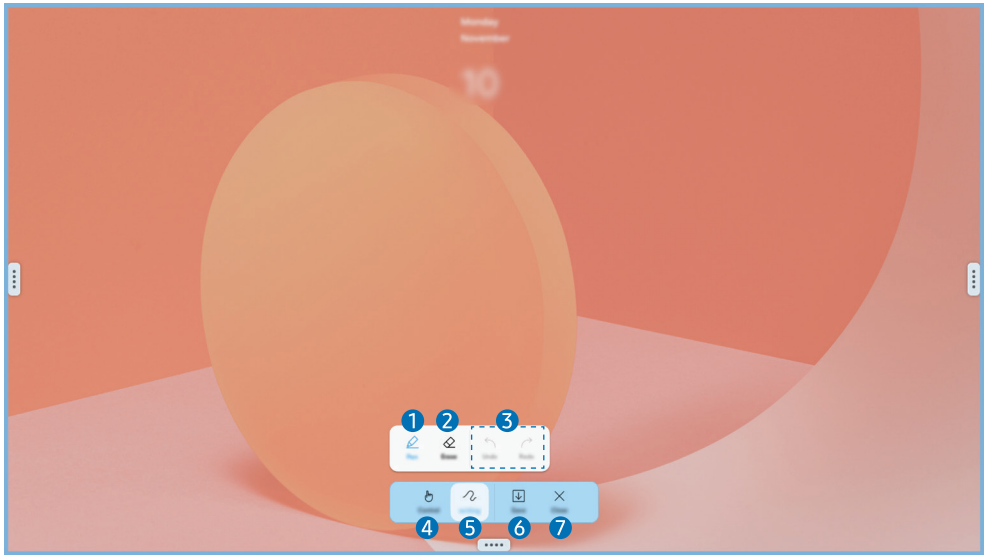
- When the selection box appears, drag the circles around the box to resize it, and tap Selection to capture the selected area.
- Tap Full Screen to capture the entire screen.
- Tap X to exit the feature.

  After capturing the screen, the image briefly appears in the bottom-right corner. You can tap the image to open it in a new window.

  Captured images are automatically saved and can be viewed later in •••• → Menu → Flip Essentials → File Browser → Capture Images.

Note On

•••• → Menu → Tools → Note On



Add a layer over the screen to write or draw on it. This can be useful for adding note to content from an external source.

Name	Description
1 Pen	You can start writing or drawing on the note layer. • While this mode is selected, you can tap this button again to set the pen type, thickness, and colour.
2 Erase	You can erase what is written on the Whiteboard. • While this mode is selected, you can tap this button again to set the eraser thickness, or erase the entire contents on the note layer.
3 Undo / Redo	Undo or redo the last action.
4 Control	You can control the content beneath the note layer.
5 Writing	Write or draw on the note layer without affecting the content underneath.
6 Save	You can save the note as a captured image.
7 Close	You can close the note.

Touch Control Lock

•••• → Menu → Tools → Touch Control Lock



The Touch Control Lock feature disables all touch inputs on the screen to prevent unintended operations.

- When the feature is activated, enter the registered PIN to lock the screen.
- To unlock, touch and hold anywhere on the screen until the unlock message appears, then tap OK and enter the PIN again to disable the lock.

Screen Share

•••• → Menu → Tools → Screen Share

Share your screen with another device through a wired or wireless connection.

To stop the Screen Share feature, tap the Screen Share button at the bottom of the screen, and then tap Disconnect.

Sharing through an HDMI cable connection

1 Connect an HDMI cable to the HDMI port to the external display.

2 Tap •••• → Menu → Tools → Screen Share → Wired.

- When the HDMI port is connected to an external display and Screen Share is not enabled, connecting a PC to the HDMI (WM55FX/WM65FX) or HDMI 1 (WM75FX/WM85FX) port causes the device to show the PC screen instead of outputting its own screen to the external display.

3 Tap Share to start sharing the screen on the external device's display.

This feature supports UHD (50 Hz / 60 Hz) and FHD (50 Hz / 60 Hz) only. Some devices may not support 50 Hz depending on the connected external display.

The screen may blink once or twice when connecting for the first time or when the source state changes.

When the screen is not shared with your external device, change the screen resolution. (•••• → Menu → Tools → Settings → Picture → Screen Share(Wired) Resolution)

- If the UHD or FHD1 output is not available on the external device because of compatibility issues, set the Screen Share(Wired) Resolution to FHD2.

The Screen Share feature is optimised for connecting with Samsung display products directly with an HDMI cable.

Sharing through a wireless connection

1 Tap ⋯ → Menu → Tools → Screen Share and then select the device to share the screen with.

The Screen Share feature works best when using FLIP in landscape orientation.
Devices must support Screen Mirroring to receive and display the shared screen.

2 Tap Share to start sharing the screen on the external device's display.

Sharing through Apple AirPlay

This feature is available only after you agree to the terms and conditions.

Connect your FLIP and your iPhone, iPad or Mac to the same AP.

Settings

Connection

•••• → Menu → Tools → Settings → Connection

2nd	3rd	Description
Network		Configure your device's network.
	Network Status	View your current network and Internet status.
	Network Settings	Configure network settings to connect to an available network.
	Reset Network	Restore the network settings to the factory default.
External Device Manager	Anynet+ (HDMI-CEC)	Activate or deactivate HDMI-CEC. Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung product remote. The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it. • You can only control Anynet+ devices using the product remote control, not the buttons on the product. • The product remote control may not work under certain conditions. If this occurs, reselect the Anynet+ device. • Anynet+ works when the AV device supporting Anynet+ is in the standby or on status. • While in PIP mode, Anynet+ functions only when an AV device is connected as the primary display. It does not work if the AV device is connected as a secondary display. • Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.
	Bluetooth devices	You can add a new Bluetooth device or change the settings of a connected device.
	Keyboard and Mouse	You can configure settings of the input devices (keyboard and mouse) connected to the product.
	Device Connection Manager	Allow devices on your network, like smartphones and tablets, to share content with your product.

2nd	3rd	Description
External Device Manager	USB Input Port Setup	You can select whether to use devices connected to the USB ports located on the rear of the product or to the USB ports of an external device connected to the product.
Apple AirPlay Settings		Use AirPlay to effortlessly stream videos, music, and photos from your iPhone, iPad, or Mac to Flip.
Advanced Settings	Email	Set up an email account for sending emails. • SMTP Server Name: SMTP server address • SMTP Port Number: SMTP server port • SSL/TLS: Enable or disable SSL/TLS • Sender Authentication: Choose the authentication mode to be used when sending emails - Personal Account / Default Account / Personal (LDAP) Account • Default Account: Default SMTP account • Password: Password for the default SMTP account • Sender Email: Sender's email address • Recipient Address: Select from options to manage email contacts after successfully send emails - Auto Save / Do Not Save / Delete All • Local Address Book: Import contacts from a USB device or delete them. - Import / Delete For more information, refer to "Importing Local Address Book contacts".

2nd	3rd	Description
Advanced Settings	Print Server	Set up the Print Server to use the printing function. For more information, refer to "Printing". • Connect to Server - Auto: View and select one from a list of server IP addresses of the PCs where **Flip Printing Software** is installed, available on the network. - Manual: Enter the Server IP address and Server Port number of the PC where **Flip Printing Software** is installed. • Server IP: Enter the Server IP address of the PC where **Flip Printing Software** is installed. • Server Port: Enter the Server Port number of the PC where **Flip Printing Software** is installed.
	Network Drive	Add or edit network drive accounts. If you cannot connect to the network drive, update SAMBA of PC to the latest version. • Add Account: Add new network drive accounts. Only Samba can be added to the network drive. SAMBA 2.0 or later is supported. If you cannot connect to the network drive, update SAMBA to the latest version. To register a network drive account, you must enter the Address, Username, and Password. - Address: //computer IP address/shared folder name When entering an address, be sure to use / instead of ₩ and \. For example, if you share a folder named "sharedfolder" on a PC with IP address of 12.34.56.789, enter "//12.34.56.789/sharedfolder" as the address. - Username: A Windows account with permissions to the shared folder When entering a domain, be sure to use ₩ or \. For example, DomainName₩WindowsAccount - Password: The password you set for your Windows account • Edit Account: Edit network drive accounts.

2nd	3rd	Description
Advanced Settings	LDAP	Set LDAP connection or configure connected LDAP queries. • Set LDAP Connection Configure a new LDAP connection. - Use LDAP: Whether or not to use LDAP - Import Setup Value: Can fetch the following settings from LDAPConnectionConfig.txt stored on the USB (Password excluded) For more information, refer to "How to create a text file for use of LDAP". - Authentication Type: Kerberos, Anonymous or Basic whichever is supported by the LDAP server - User ID: DN(Distinguished Name) of User ID that is used in the LDAP server The User ID format complies with the DN format of LDAP (for example, cn=admin, dc=myldap, dc=com). - Password: Password that is used for authentication of the LDAP server - Server Address: IP or URL of the LDAP server - Server Port Number: Port number of the LDAP server - Base DN: Base DN that is to be used for search in the DIT(Directory Information Tree) when connecting LDAP - SSL/TLS: Whether or not to use SSL/TLS When SSL/TLS is set to be Use, the encrypted data communication is enabled. - Use Untrusted Certificates: Whether or not to allow untrusted certificates The following menu is activated when setting Authentication Type to Kerberos. Kerberos Realm: Kerberos realm data KDC Host: KDC Host URL KDC Port: KDC Host port number

2nd	3rd	Description
Advanced Settings	LDAP	• LDAP Query Configuration Set the query for the connected LDAP. - UID: Change the user UID that is used in LDAP. - Email: Change the Email that is used in LDAP. - Name: Change the user name (common name) that is used in LDAP. - Last Name: Change the surname of the user that is used in LDAP. - Position: Change the title that is used in LDAP. - Company name: Change the company name that is used in LDAP. - Department: Change the department name that is used in LDAP. - Use Custom Query: Fetches the user defined query from LDAPQuery.txt (case sensitive) stored on the USB. For more information, refer to "How to create a text file for use of LDAP". When the mapping does not match, the search result does not include the attributes.
	Server Network Settings	Set up your server network connection and related functions. • Connect to Server: Connect to MagicInfo server. • Server Access: Allow or deny access to MagicInfo server. • Proxy server: Set up your proxy server connection and related functions.
	Certificate Manager	Manage the certificate files for this device. • App Certificate: View and manage the app certificates installed on this device. Connect a USB flash drive that contains certificates to install them on this device. • Network Certificate: Manage the certificates installed on this device. Connect a USB flash drive that contains certificates to install them on this device.
	Wired 802.1x Connection	To turn on the Wired 802.1x Connection feature, set it to On.

2nd	3rd	Description
Advanced Settings	UEM Setting	Configure settings for connection to the UEM (Unified Endpoint Management) server including Crestron. Enter the required information according to the guide for the server you want to connect to. The device information is sent to the UEM server while its connection is maintained. By resetting the settings, the configuration can be deleted, disabling the connection. • Crestron Configure Crestron server connection setting and connect to the server by pressing Save button. - XiO Connect to XiO server, and its default operating server URL is entered in advance. If you want to connect both XiO and other Crestron server type at the same time, connect to XiO server first and then connect to other Crestron server type. - Control System Connect Control System server of which its connection configuration is set by Server Address, Port, IP ID. Crestron's auto discovery feature is supported by Auto Discovery option. Secure Connection is supported by setting Secure Connection, Authentication ID, Authentication Password. If you set Verify Certificate as off, then certificate verification is skipped during Secure Connection. A certificate can be installed into the device by Connection → Advanced Settings → Certificate Manager → App Certificate. - VC-4 Connect VC-4 server of which its connection configuration is set by Server Address, Port, IP ID, Room ID. Crestron's auto discovery feature is supported by Auto Discovery option. Secure Connection is supported by setting Secure Connection, Authentication ID, Authentication Password. If you set Verify Certificate as off, then certificate verification is skipped during Secure Connection. A certificate can be installed into the device by Connection → Advanced Settings → Certificate Manager → App Certificate.

2nd	3rd	Description
Advanced Settings	UEM Setting	- Fusion If you set Outbound Connection as on, then your device will be wating for connection from Fusion server. If you set Outbound Connection as off, then connect Fusion server of which its connection configuration is set by Server Address, Port. Secure Connection is supported by setting Secure Connection only for Outbound Connection off option. • UEM Status You can view current UEM app operating status or reset the settings by pressing Reset button.
	Self Diagnosis	You can select a desired item and run self-diagnosis process.
	SmartThings Settings	Displays a QR code that can be scanned in the SmartThings app to connect the product.

Local Address Book

Importing Local Address Book contacts

To use FLIP Local Address Book, first import contacts from a CSV file using a USB device.

1 Use LDAP: Set Don't Use.

•••• → Menu → Tools → Settings → Connection → Advanced Settings → Enter PIN → LDAP → Set LDAP Connection → Use LDAP → Don't Use

2 Set up details under Email menu.

•••• → Menu → Tools → Settings → Connection → Advanced Settings → Enter PIN → Email

3 Edit and save your Local Address Book to a USB device.

Make a list of contacts in the following structure and save it to the root directory as RecentSearchList.csv.

- RecentSearchList.csv structure (example)

emailid1@samsung.com	Name1	Level1	Team1	Company1
emailid2@samsung.com	Name2	Level2	Team2	Company2
emailid3@samsung.com	Name3	Level3	Team3	Company3

4 Connect the USB device to FLIP to import contacts.

•••• → Menu → Tools → Settings → Connection → Advanced Settings → Enter PIN → Email → Local Address Book → Import

- The USB device and its contents may not be detected properly if a USB extension cable is used. (USB hubs are not supported.)
- Do not remove the USB device while loading.
- If more than two USB devices are connected, some of them may not be detected.
- USB devices that require higher operating power need to be connected to the USB (1A) port on the back.
- The file system supports FAT, exFAT, and NTFS formats.

Deleting Local Address Book contacts

•••• → Menu → Tools → Settings → Connection → Advanced Settings → Enter PIN → Email → Local Address Book → Delete

Printing

To print, you must set up the Print Server and the Clock Set.

To set up the Print Server, the product and the printer you want and your PC must be connected to the same network.

Flip Printing Software must be also installed on the PC connected.

- For information about how to connect to a network, see "Connecting to a network".
- You can set up the Print Server at •••• → Menu → Tools → Settings → Connection → Advanced Settings → Print Server.
- You can set Clock Set at •••• → Menu → Tools → Settings → System → Time → Clock Set.
- The Flip Printing Software is available on the website
  - http://www.samsung.com/business
  - http://www.samsung.com
- Devices that transfer files, such as virtual printers (PDF, XPS, One note, etc.) or fax machines, are not supported, but only printers that can print actual paper are supported.
- For print paper size, only A4 is supported.

Installing Flip Printing Software

Follow the onscreen instructions to install **Flip Printing Software**.

The installation takes about 10 minutes, and the time taken may vary depending on your PC environment.

PC installation requirements

- Supported operating systems:
  Windows 7(32/64 bit), Windows 10(32/64 bit), MAC

  When installing the software, make sure that critical Windows updates are already installed. Update Windows to the latest version before beginning the setup.

  For Windows 7, make sure that **Service Pack 1** is already installed.

Setting up the printer

After the **Flip Printing Software** is installed, make the following settings on the product onscreen menu.

Setting up automatically

1 Select ⋯ → Menu → Tools → Settings → Connection → Advanced Settings menu.

2 Select Print Server → Connect to Server → Auto.

Setting up manually

1 Select ⋯ → Menu → Tools → Settings → Connection → Advanced Settings menu.

2 Select Print Server → Connect to Server → Manual, and then enter the Server IP address and the Server Port number of the PC where **Flip Printing Software** is installed.

How to create a text file for use of LDAP

The LDAP configuration basically consists of many long sentences.

During LDAP configuration, FLIP can be fetched using the text file to prevent typos and make a batch setting.

Input of file name and content should be case sensitive for correct operation.

- Format of LDAPConnectionConfig.txt

  (1) Example of the text file

  User ID=cn=Manager, dc=example, dc=com

  Server Address=123.456.789.012

  Server Port Number=12345

  Base DN=dc=samsung, dc=example, dc=com

  SSL/TLS=Don't Use

  Use Untrusted Certificates=Don't Use

  Authentication Type=Basic

  Kerberos Realm=MYLDAP.COM

  KDC Host=krb1.myldap.com

  KDC Port=88

(2) Allocation of values (VAL) for each key

User ID: Enter User ID.

Server Address: Enter the IP or URL of the LDAP server.

Server Port Number: Enter the Port of the LDAP server.

SSL/TLS: Enter Use or Don't Use.

Use Untrusted Certificates: Enter Use or Don't Use.

Authentication Type: Enter Basic or Anonymous.

- The following three items will be added if you select Kerberos type verification.

  Kerberos Realm: Fill in the Kerberos field (Example: MYLDAP.LDAP)

  KDC Host: Enter the KDC Host URL (Example: krb1.myldap.com)

  KDC Port: Enter the KDC Host Port (Example: 88)

  If you select to use Kerberos type verification, use the original Kerberos User ID for a User ID instead of User ID in DN(Distinguished Name) format. (Example: Mirko)

- Format of LDAPQuery.txt

(1) Example of the text file

UID=uid

Email=mail

Name=cn

Last Name=sn

Position=title

Company Name=o

Department=departmentNumber

Query=(|(mail=*<A>*)(cn=*<A>*))

(2) Allocation of values (VAL) for each key

1) Mapping part (all rows except the last)

- Includes all rows except the last, in the order of UID, Email, Name, Last Name, Position, Company name, and Department.
- Values are mapped in the following manner.

  On the left of "=" syntax is the name that is seen in the LDAP Query Configuration menu (also on the left) and mapped to the values on the right side of "=" (the actual LDAP Server attributes).
- You can choose attributes to change values. For instance, you can change the right-side values without changing the left-side values.

2) Query part

- <A> is the Keyword that is used for a Search.
- The syntax for the Use Custom Query complies with the LDAP Query rule excluding <A>.

  For example, when <A> is included in the mail or cn attribute, you can create it as follows.

  Query=(|(mail=*<A>*)(cn=*<A>*))

System

⋯⋯ → Menu → Tools → Settings → System

2nd	3rd	Description
Accessibility	Voice Guide Settings	This feature provides voice guidance for on-screen information and menu options to assist users while operating the product. You can turn this feature on or off, and adjust detailed settings such as Volume, Speed, Pitch, and TV Background Volume.
	High Contrast	You can turn this feature on or off to increase the contrast of on-screen elements and make text and menus easier to see. Turning on this feature disables some of the Accessibility menus.
	Greyscale	You can turn this feature on or off to change the screen to black and white and reduce visual distractions. Turning on this feature disables some of the Accessibility menus.
	Colour Inversion	You can turn this feature on or off to invert the colours of on-screen elements to make text and menus easier to see. Turning on this feature disables some of the Accessibility menus.
	SeeColors Mode	You can turn this feature on or off to adjust on-screen colours for users with colour vision deficiency and make colours easier to distinguish. Turning on this feature disables some of the Accessibility menus.
	Button Repeat Settings	Configure the button repeat settings. When on, the repeat rate for product or keyboard buttons slows down while you press and hold.
	Time to Take Action	Choose how long messages, like pop-ups, stay on screen before you take action.
	Moving Text and Image	Some screen effects may be limited, but this can be helpful for those sensitive to screen motion.
Language		Change your Language settings.
Whiteboard & Brush	Auto Save	Automatically save all data.
	Delete All	Delete all data from the device, including locked data.
	Period for Delete All	Set a regular reset interval at which all data on the internal storage will be deleted.
Time		Configure various time-related settings.
	Clock Set	Set current date and time. • Clock Mode: Select a method of setting the date and time.
	DST	Adjust clock for Daylight Saving Time. Start Date, End Date and Time Offset are enabled only when DST is set to On.

2nd	3rd	Description
Change PIN		Change your 6-digit Personal Identification Number (PIN). The default PIN number is 000000. Change the PIN to keep your device secure.
Advanced Settings	Screen Saver	Set up the sreensaver. The selected image can be used as a custom screensaver.
	USB Lock	Set up a USB Lock. After setting up, the device will be restarted to apply the settings.
	Network Lock	Block external network access.
	Screen Monitoring Lock	Block screen images from being monitored by MagicINFO Server.
	Mobile Connection Lock	Restrict other devices on your network, such as smart phones and tablets, to share content with your Flip.
	Power and Energy Saving	• Auto Power Off: Choose how long the display will stay on before turning off after no user interaction is detected. • No Signal/No Interaction Power Off: Save power by turning the device off when no signals/touch interactions are received from any source. • DPMS: When input source signal is detected, it determines whether or not to enter on mode with full screen. • Backlight Optimisation: Automatically adjust the picture brightness based on the ambient light level. This feature is only available for WM75FX/WM85FX. • Minimum Brightness: Set the minimum brightness for the display. This function only works if its value is lower than the value set in the Picture menu's Backlight setting. This feature is only available for WM75FX/WM85FX.
	PC Module Power	Turns on or off to sync with OPS Power when the power is on or off. • Synced Power-On: When the Flip is turned on, the PC module is automatically turned on as well. • Synced Power-Off: When the Flip is turned off, the PC module is automatically turned off as well. This feature is only available for WM75FX/WM85FX.
	Remote Power Control	Turn Remote Power Control on or off. By activating this feature, the network connection is maintained when the product is turned off.

2nd	3rd	Description
Advanced Settings	Remote Management Settings	Set to connect and control the Flip remotely from other devices. • Remote Management: Restrict access to the product from other devices over the network. • Device ID: Set a unique ID number. • PC Connection Cable: Select the type of cable used to connect the product to a PC. • Secured Protocol: Secure the protocol between the product and other devices.
	Capture	Turn PIP Capture on or off. HDCP contents will not show on the screen if Capture is set to On.
	Power on Source Setting	Set the default source (or app) when turning on the power. By setting this, either Roll or Source (or app) is turned on in full screen at power on.
	Auto Source Switching	Set Auto Source Switching. By activating this feature, newly connected sources are displayed automatically. New source devices connected within 20 seconds of the product power-on may not be displayed automatically.
	PIP Screen Default Size	Set the default size for the PIP screen.
	Edit Workspace	You can add your favourite URLs in Samsung Workspace.
	Start Setup	Go through the initial setup steps like you did the first time you used this product.
	Clone Product	Export this device's settings or import from other devices.
	Zero Touch Configuration	Set up the device using Tizen Business Manager. Before using Zero Touch Configuration, register the device at Tizen Business Manager.

Picture

•••• → Menu → Tools → Settings → Picture

2nd	3rd	Description
Eye Saver Mode		You can set an optimum picture quality suitable for eye relaxation.
Backlight		Adjust backlight brightness to your preference. 100 is the brightest setting.
Colour Temperature		It sets colour temperature. The value and temperature increase simultaneously, so the ratio of blue colour rises. (Range: 2800K - 16000K)
White Balance	R-Gain/G-Gain/B-Gain/R-Offset / G-Offset / B-Offset / Reset	Adjust the colour temperature of the picture so that white objects appear brighter.
Input Signal Plus		Expands the input signal range for HDMI connections. • Tap HDMI 1 or HDMI 2 to turn Input Signal Plus on or off for the selected source. Supports resolutions up to 3840 x 2160 @ 60 Hz with Input Signal Plus expansion set to on. Supports resolutions up to 3840 x 2160 @ 30 Hz with Input Signal Plus expansion set to off.

Supported Resolutions for UHD Input Signals

Check the supported resolution for UHD input signals.

- Resolution: 3840 x 2160p, 4096 x 2160p

If Input Signal Plus is off.

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	-	-	-	O

If Input Signal Plus is on.

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	O	O	O	O
	10 bit	-	-	O	O
	12 bit	-	-	O	O

2nd	3rd	Description
HDMI Black Level		Adjust the black level to optimise the HDMI picture brightness and contrast. This function is available only when the product is connected to a PC using an HDMI cable and the Source window is turned on.
Screen Share(Wired) Resolution		You can set the resolution when sharing the screen (wired).
Reset Picture		Restore all picture settings to the factory default.

Sound

•••• → Menu → Tools → Settings → Sound

2nd	3rd	Description
Sound	Sound Mode	Select the sound mode that best suits your audio environment.
	Sound Output	Select the preferred speaker to play your device sound from.
	Sound Feedback	Select the sound feedback setting that plays when a menu or option is selected.
	Balance	Adjust the speaker volume levels to optimise your sound balance.
	Equaliser	Adjust the balance of treble and bass to enhance your device's sound output.
	Reset Sound	Restore all sound settings to the factory default.

Support

•••• → Menu → Tools → Settings → Support

2nd	3rd	Description
Software Update		Update the software installed on your product.
	Update Now	Update software by downloading update files. - Online update Requires an Internet connection. - Update with a USB device After downloading the update file from the Samsung website and storing it on a USB device, connect the USB device to the product to update. Make sure you saved the update file in a top-level folder.
	Auto Update	Automatically start software updates once your device is powered off. Requires an Internet connection.
Terms & Privacy		You can View the terms and privacy policy.
Device Care		Optimise and diagnose the condition of your Flip. You can check and clean your storage space, diagnose problems or request technical support.
About Flip		You can view the basic information about the product and open source licence.
Reset All		It initialises all items in the entire menu.

Chapter 07
Troubleshooting guide

Problems and solutions

Test your product as follows before calling Samsung Customer Service Centre. If the problem persists, contact Samsung Customer Service Centre.

Source window (HDMI) issue	
Blank spaces are found on all four sides of the screen when an HDMI 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 settings for the graphics card.
	If the graphics card settings menu does not have an option to adjust the screen size, update the graphics card driver to the latest version. (Please contact the graphics card or computer manufacturer for further details about how to adjust the screen settings.)
The images on the screen look distorted.	Check the connected cable. Compatibility is not guaranteed if you use a cable that has not been supplied by Samsung.
The screen is not clear. The screen is blurry.	Set the resolution and frequency to the recommended level.
The screen appears unstable and shaky.	Check that the resolution and frequency of the PC and graphics card are set within a range compatible with the product. Then, change the screen settings if required by referring to 'Preset timing modes'.
There are shadows or ghost images left on the screen.	
White does not really look white.	Go to Picture and adjust the White Balance settings.
The product will turn off automatically.	Make sure the power cord is connected properly to the product and power outlet.
The screen is not displayed when a laptop is connected to an HDMI port.	There are two HDMI ports on the rear of the product, one for output (HDMI) and the other for input (HDMI). Make sure to connect the laptop to the HDMI input port (HDMI). If the laptop is connected to the HDMI output port (HDMI), the screen is not displayed. The HDMI output port (HDMI) is for connecting an external display.

Source window (HDMI) issue	
A monitor or TV is connected to the product's HDMI output port (HDMI), but the product's screen is not displayed on the connected monitor or TV.	You must use the Screen Share app to display the product's screen on an external display using the HDMI output port (HDMI). Open the app and select HDMI (or Wired).
I cannot navigate through a PowerPoint (PPT) file in the product's file viewer.	Tap the button with three dots at the bottom of the viewer to display the page navigation icons. Tap ‹ or › to navigate through the pages.
Smart View is automatically terminated when an HDMI input signal is detected while it is connected wirelessly to a mobile device using Smart View.	This is normal operation. Smart View is automatically terminated when an HDMI input signal is detected while Smart View is running. (These two features cannot run at the same time.) If you do not want Smart View to be terminated automatically by an HDMI input signal, change the Auto Source Switching setting from New Connection to Off. • Path: •••• → Menu → Tools → Settings → System → Advanced Settings → Enter PIN → Auto Source Switching → Off VXT Player, Smart View, YouTube videos, HDMI input, etc. cannot run at the same time. (This is in accordance with the product specifications.)
The screen display does not look normal.	Encoded video content may cause the display to appear corrupted in scenes featuring fast moving objects such as in a sports event or action video.
	Low signal level or low picture quality may cause the display to appear corrupted. This does not mean the product is defective.
	A mobile device within a distance of one-metre radius may cause static on analogue and digital products.
The brightness and colour do not look normal.	From the Home screen, tap •••• → Menu → Tools → Settings → Picture → Reset Picture to try resetting the screen.
The display looks unstable and then freezes.	The screen may freeze when a resolution other than the recommended resolution is used or if the signal is not stable. To resolve the issue, change the PC resolution to the recommended resolution.
The screen cannot be displayed in full screen.	If the source window is set to full screen mode while in portrait orientation, a black bar appears at both the top and bottom. Change to landscape orientation, and then switch the Source window to full screen mode.

Sound issue	
There is no sound.	Check the volume. This model is certified for Dolby 2ch, and connecting a device with a higher specification than Dolby 2ch may cause noise or no sound.
The volume is too low.	Adjust the volume.
	If the volume is still low after turning it up to the maximum level, adjust the volume on your PC sound card or software programme.
Video is available but there is no sound.	If an HDMI cable or a DP cable is connected, check the audio output settings on the PC.
	If a source device is used • Check the audio output settings for the source device. (For example, if your monitor is connected to HDMI, you may need to change the audio option of your video output device to HDMI.)
	Reconnect the power cord to the device and then restart the device.
There is static coming from the speakers.	Low signal level can cause corrupted sound.
There is audible sound when the volume is muted.	Audio settings for main speakers are separate from the internal speakers on the product. Changing or muting the volume on the product does not affect an external amplifier(decoder).

Touch function issues	
The icons can be touched but the drawings cannot.	Use the provided product-specific pen.
Touching does not work when HDMI connection is used.	Check whether the TOUCH port on the product is connected to a USB port on the PC using the supplied USB cable. • WM55FX/WM65FX HDMI → TOUCH on the rear of the product HDMI 2 → TOUCH on the tray • WM75FX/WM85FX HDMI 1 → TOUCH on the rear of the product HDMI 2 → TOUCH on the tray
I use two pens, but they do not work well.	Make sure that there is enough space between the two pens at multi-touching.
The pen thickness is not recognised properly.	The pen might be tilted too much toward the screen (within 45 degree). Make sure to hold the pen with its thick tip away from the screen.
There is a screen touch malfunction such as slow or inaccurate responding.	Make sure that there are no foreign substances on the screen surface.
	Check whether the screen is broken.
	Make sure that the product is not exposed to direct sunlight.
	When the product is turned on after turning off, do not tap the screen because touch calibration is performed for 5 seconds.
	Check that the installed product is parallel to the wall.

Anynet+ issues	
Anynet+ does not work.	Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only.
	Check if the Anynet+ device power cord is properly connected.
	Check the Anynet+ device's Video/Audio/HDMI cable connections.
	From the Home screen, tap •••• → Menu → Tools → Settings → Connection → External Device Manager, and then check if Anynet+ (HDMI-CEC) is on.
	Check whether the remote control is Anynet+ compatible.
	Anynet+ doesn't work in certain situations. (initial setup)
	If you have removed and then reconnected the HDMI cable, please make sure to search devices again or turn your product off and on again.
	Check if the Anynet+ function of the Anynet device turns on.
I want to start Anynet+.	Check if the Anynet+ device is properly connected to the product. Then, from the Home screen, tap •••• → Menu → Tools → Settings → Connection → External Device Manager, and then check if Anynet+ (HDMI-CEC) is on.
I want to exit Anynet+.	Press the SOURCE button on the product remote control and select a non-Anynet+ device.
The message "Disconnecting Anynet+ device..." appears on the screen.	You cannot use the remote control when you are configuring Anynet+ or switching to a view mode.
	Use the remote control after the product has completed Anynet+ configuration or has finished switching to Anynet+.
The Anynet+ device does not play.	You cannot use the play function when initial setup is in progress.

Anynet+ issues	
The connected device is not displayed.	Check whether or not the device supports Anynet+ functions.
	Check whether or not the HDMI cable is properly connected.
	From the Home screen, tap •••• → Menu → Tools → Settings → Connection → External Device Manager, and then check if Anynet+ (HDMI-CEC) is on.
	Search Anynet+ devices again.
	Anynet+ requires an HDMI connection. Make sure the device is connected to your product with an HDMI cable.
	Some HDMI cables may not support Anynet+ functions.
	If the connection is terminated because there has been a power failure or the HDMI cable has been disconnected, please repeat the device scan.

Other issue	
The product smells like plastic.	The plastic smell is normal and disappears over time.
Small particles are found on the edges of the product.	The particles are part of the product design. The product is not defective.
When I try to change the PC resolution, a message "The defined resolution is not currently supported." appears.	The message "The defined resolution is not currently supported." appears if the input source resolution exceeds the maximum resolution of the product. To resolve the issue, change the PC resolution to a resolution supported on the product.
There is no sound from the speakers in HDMI mode when a DVI-HDMI cable is connected.	DVI cables do not transmit sound data.
HDMI Black Level is not functioning properly on an HDMI device with YCbCr output.	This function works only when the HDMI signal of the external device is RGB output.
There is no sound in HDMI mode.	Displayed picture colours may not look normal. Video or sound may not be available. This can occur if a source device that only supports an older version of the HDMI standard is connected to the product.
The screen does not turn on when operating the external source device after being in Full Screen mode for more than 60 seconds.	This is normal operation. After 60 seconds of inactivity, the product enters Standby mode (not DPMS mode). Press the **Power** button at the bottom of the product to turn the screen back on.
I forgot my PIN.	The product requires a factory reset. Contact a Samsung service centre to request a reset service. If you reset the product to its factory settings, all saved data, including documents and installed apps, will be deleted. All product and app sign-in information will also be reset. ※ A service fee will be charged for the reset service.

Chapter 08
Specifications

General

Model Name		WM55FX	WM65FX	WM75FX	WM85FX
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)	85 CLASS (84.5 inches / 214.7 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)	1872.0 mm (H) x 1053.0 mm (V)
Synchronization (Panel Spec)	Horizontal Frequency	30 - 81 kHz			
	Vertical Frequency	48 - 75 Hz			
Resolution	Optimum resolution	3840 x 2160			
	Maximum resolution				
Power Supply		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.			

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

Vertical Frequency:
The product displays a single image multiple times per second (like a fluorescent light) to display what the viewer sees. The rate of a single image being displayed repeatedly per second is called vertical frequency or refresh rate. Vertical frequency is measured in Hz.

Because of the nature of the manufacturing of this product, approximately 1 pixel per million (1 ppm) 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 because of 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 (WM55FX/WM65FX only)

  To access energy labelling information about this product on the European Product Registry for Energy Labelling (EPREL), go to https://eprel.ec.europa.eu/qr/****** where ****** is the product's EPREL registration number. You can find the registration number on the rating label of your product.

- Türkiye only

  To access the energy labelling information of the model: WM55FX, WM65FX

  (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

- (Europe Israel Türkiye only)

  Please visit www.samsung.com/global/ecodesign_energy to find further information about off mode, standby mode, and networked standby mode associated with EU standby ecodesign regulation.

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 signals transmitted from the PC differ from the standard mode, the screen may not be displayed. In such a case, change the settings as shown in the following table by referring to the graphics card user manual.

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity		Port	
				H	V	HDMI	DISPLAYPORT/ USB TYPE C
IBM, 720 x 400	31.469	70.087	28.322	-	+	O	O
MAC, 640 x 480	35.000	66.667	30.240	-	-	O	O
MAC, 832 x 624	49.726	74.551	57.284	-	-	O	O
MAC, 1152 x 870	68.681	75.062	100.000	-	-	O	O
VESA CVT, 3840 x 2160RB	110.500	49.977	442.000	+	-	-	O
VESA CVT, 3840 x 2160RB	133.313	59.997	533.250	+	-	-	O
VESA DMT, 640 x 480	31.469	59.940	25.175	-	-	O	O
VESA DMT, 640 x 480	37.861	72.809	31.500	-	-	O	O
VESA DMT, 640 x 480	37.500	75.000	31.500	-	-	O	O
VESA DMT, 800 x 600	37.879	60.317	40.000	+	+	O	O
VESA DMT, 800 x 600	48.077	72.188	50.000	+	+	O	O
VESA DMT, 800 x 600	46.875	75.000	49.500	+	+	O	O
VESA DMT, 1024 x 768	48.363	60.004	65.000	-	-	O	O
VESA DMT, 1024 x 768	56.476	70.069	75.000	-	-	O	O
VESA DMT, 1024 x 768	60.023	75.029	78.750	+	+	O	O
VESA DMT, 1152 x 864	67.500	75.000	108.000	+	+	O	O
VESA DMT, 1280 x 720	45.000	60.000	74.250	+	+	O	O
VESA DMT, 1280 x 800	49.702	59.810	83.500	-	+	O	O
VESA DMT, 1280 x 1024	63.981	60.020	108.000	+	+	O	O
VESA DMT, 1280 x 1024	79.976	75.025	135.000	+	+	O	O
VESA DMT, 1366 x 768	47.712	59.790	85.500	+	+	O	O
VESA DMT, 1440 x 900	55.935	59.887	106.500	-	+	O	O
VESA DMT, 1600 x 900RB	60.000	60.000	108.000	+	+	O	O
VESA DMT, 1680 x 1050	65.290	59.954	146.250	-	+	O	O
VESA DMT, 1920 x 1080	67.500	60.000	148.500	+	+	O	O
VESA DMT, 2560 x 1440RB	88.787	59.951	241.500	+	-	O	O
CEA-861, 720(1440) x 576i	15.625	50.000	27.000	-	-	O	-
CEA-861, 720(1440) x 480i	15.734	59.940	27.000	-	-	O	-
CEA-861, 720 x 576	31.250	50.000	27.000	-	-	O	O
CEA-861, 720 x 480	31.469	59.940	27.000	-	-	O	O
CEA-861, 1280 x 720	37.500	50.000	74.250	+	+	O	O
CEA-861, 1280 x 720	45.000	60.000	74.250	+	+	O	O
CEA-861, 1920 x 1080i	28.125	50.000	74.250	+	+	O	-
CEA-861, 1920 x 1080i	33.750	60.000	74.250	+	+	O	-
CEA-861, 1920 x 1080	27.000	24.000	74.250	+	+	O	-
CEA-861, 1920 x 1080	28.125	25.000	74.250	+	+	O	-
CEA-861, 1920 x 1080	33.750	30.000	74.250	+	+	O	-
CEA-861, 1920 x 1080	56.250	50.000	148.500	+	+	O	O
CEA-861, 1920 x 1080	67.500	60.000	148.500	+	+	O	O
CEA-861, 3840 x 2160	54.000	24.000	297.000	+	+	O	-
CEA-861, 3840 x 2160	56.250	25.000	297.000	+	+	O	-
CEA-861, 3840 x 2160	67.500	30.000	297.000	+	+	O	O
CEA-861, 3840 x 2160	112.500	50.000	594.000	+	+	O	O
CEA-861, 3840 x 2160	135.000	60.000	594.000	+	+	O	O
CEA-861, 4096 x 2160	54.000	24.000	297.000	+	+	O	-
CEA-861, 4096 x 2160	56.250	25.000	297.000	+	+	O	-
CEA-861, 4096 x 2160	67.500	30.000	297.000	+	+	O	-
CEA-861, 4096 x 2160	112.500	50.000	594.000	+	+	O	-
CEA-861, 4096 x 2160	135.000	60.000	594.000	+	+	O	-

Chapter 09
Appendix

Responsibility for the pay service (Cost to customers)

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

Not a product defect

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

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

A product damage caused by customer's fault

Product damage caused by customer's mishandling or wrong repair

If a product damage is caused by;

- External impact or drop.
- Use of supplies or separately sold product unspecified by Samsung.
- Repair from a person besides an engineer of outsourcing service company or partner of Samsung Electronics Co., Ltd.
- Remodeling or repairing the product by customer.
- Using it with incorrect voltage or non-authorised electrical connections.
- Not following the "cautions" in User Manual.
- If a malfunction occurs due to iron powder or other conductive metal materials.

Others

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

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

Prevention of afterimage burn-in

What is afterimage burn-in?

Afterimage burn-in should not occur when the panel is operating normally. Normal operation refers to a continuously changing video pattern. If the panel displays a fixed pattern for an extended period of time a slight voltage difference may occur between the electrodes in pixels that control the liquid crystals.

Such a voltage difference between electrodes increases with time and makes the liquid crystals thinner. When this occurs, a previous image can remain on the screen when the pattern changes.

This information is a guide to prevent afterimage burn-in. Viewing a fixed screen for an extended period of time may cause afterimage burn-in. This problem is not included in warranty.

Recommended prevention practices

Viewing a fixed screen for an extended period of time may cause afterimage burn-ins or smudges. Turn off the product when it is not used for a long time, activate the Power Saving mode, or run a moving screen saver.

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