

Preparing

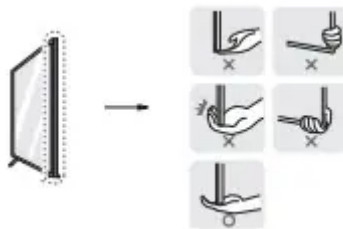
Lifting and moving the TV

Please note the following advice to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.
- When holding the TV, the screen should face away from you to avoid damage.



- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area.



- When transporting a large TV, there should be at least 2 people.



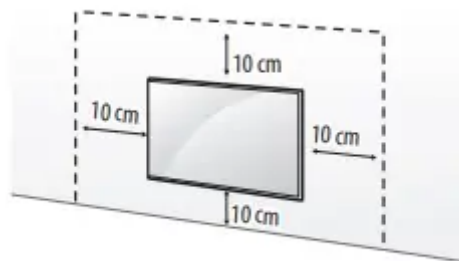
- When transporting the TV by hand, hold the TV as shown in the following illustration.
- When transporting the TV, do not expose the TV to jolts or excessive vibration.
- When transporting the TV, keep the TV upright, never turn the TV on its side or tilt towards the left or right.
- Do not apply excessive pressure to cause flexing / bending of frame chassis as it may damage screen.
- When handling the TV, be careful not to damage the protruding buttons.

Avoid touching the screen at all times, as this may result in damage to the screen.

When attaching the stand to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.

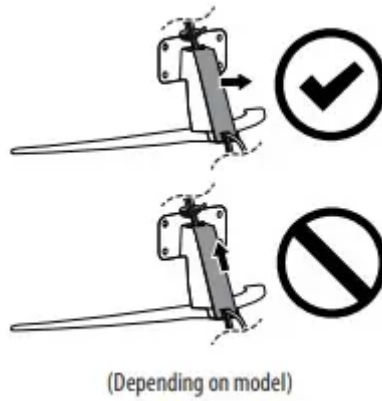
Mounting on the Table

- Attach an optional wall mount bracket at the rear of the TV carefully and install the wall mount bracket on a solid wall perpendicular to the floor. When you attach the TV to other building materials, please contact qualified personnel. LG recommends that wall mounting be performed by a qualified professional installer. We recommend the use of LG's wall mount bracket. LG's wall mount bracket is easy to move with cables connected. When you do not use LG's wall mount bracket, please use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. It is advised to connect all the cables before installing fixed wall mounts

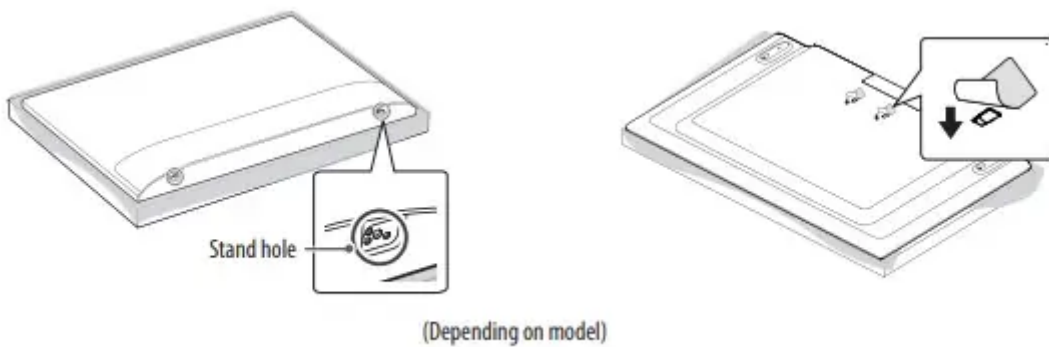


(Depending on model)

- Remove the stand before installing the TV on a wall mount by performing the stand attachment in reverse.
- For more information of screws and wall mount bracket, refer to the Separate Purchase.
- If you intend to mount the product to a wall, attach VESA standard mounting interface (optional parts) to the back of the product. When you install the set to use the wall mounting bracket (optional parts), fix it carefully so as not to drop.
- When mounting a TV on the wall, make sure not to install the TV by hanging the power and signal cables on the back of the TV.
- Do not install this product on a wall if it could be exposed to oil or oil mist. This may damage the product and cause it to fall.
- Do not use a sharp object when you detached the cable cover. This could damage the cable or the cabinet. It may also cause personal harm. (Depending on model)

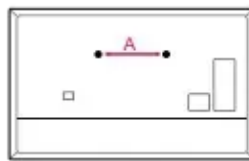


- When installing the wall mounting bracket, it is recommended to cover the stand hole using tape, in order to prevent the influx of dust and insects. (Depending on model)

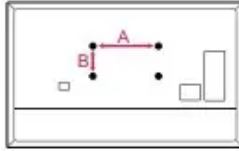


Wall Mounting Bracket

(Depending on model) Make sure to use screws and wall mount bracket that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.



Model	43/50UP767* 43/50UP77* 43/50UP78* 43/50UP80* 43/50UP81*	55/65UP767* 55/60/65UP77* 55/65UP78* 55/60/65UP80* 55/65UP81*
Screws distance (A) (mm)	200	300
Standard screw	M6	M6
Number of screws	2	2
Wall mount bracket	WB21LMB	WB21LMB



Model	43/50UP75*	55UP75*	65UP75*	70/75UP767*	70/75UP75*
	43/50UP76*	55UP76*	65UP76*		
	43/50UP767*	55UP767*	65UP767*		
	43/50UP77*	55UP77*	60/65UP77*		
	43/50UP78*	55UP78*	65UP78*		
	43/50UP80*	55UP80*	60/65UP80*		
	43/50UP81*	55UP81*	65UP81*		
VESA (A x B) (mm)	200 x 200	300 x 300	300 x 300	400 x 400	600 x 400
Standard screw	M6	M6	M6	M6	M8
Number of screws	4	4	4	4	4
Wall mount bracket	LSW240B MSW240	OLW480B MSW240	OLW480B	LSW440B	LSW640B

Antenna/Cable

Connect the TV to a wall antenna socket with an RF cable (75 Ω).

- Use a signal splitter to use more than 2 TVs.
- If the image quality is poor, install a signal amplifier properly to improve the image quality.
- If the image quality is poor with an antenna connected, try to realign the antenna in the correct direction.
- An antenna cable and converter are not supplied.
- For a location that is not supported with Ultra HD broadcasting, this TV cannot receive Ultra HD broadcasts directly.

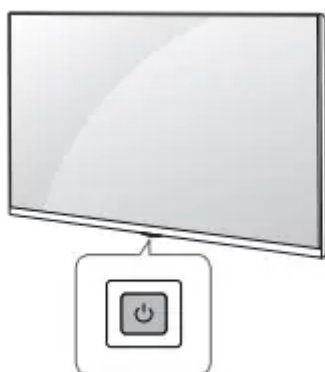
Satellite dish

- Connect the TV to a satellite dish to a satellite socket with a satellite RF cable (75 Ω).
(Depending on model)

Starting TV

Turning on the TV:

You can simply operate the TV functions, using the button.



Using button



Power On (Press) Power Off1) (Press and Hold) Menu Control (Press2)) Menu Selection (Press and Hold3))

1. All running apps will close, and any recording in progress will stop. (Depending on country)
2. You can access and adjust the menu by pressing the button when TV is on.
3. You can use the function when you access menu control.

Note: If the TV is turned on for the first time after it was shipped from the factory, initialization of the TV may take a few minutes.

Adjusting the menu: When the TV is turned on, press the button one time. You can adjust the Menu items using the button.



Note

- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future.
- The device must be easily accessed to a location outlet near the access. Some devices are not made by turning on / off button, turning off the device and unplugging the power cord.

Inserting the battery

(Depending on model)

- When the message [Magic Remote battery is low. Please change the battery.] is displayed, replace the battery. To replace batteries, open the battery cover, replace batteries (1.5 V AA) matching the + and - ends to the label inside the compartment, and close the battery cover.
- To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the + and - ends to the label inside the compartment, and close the battery cover.



- Do not mix new batteries with old batteries. This may cause the batteries to overheat and leak.
- Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly due to environmental considerations. Please contact your local authorities for disposal or recycling information.
- Batteries inside or inside the product shall not be exposed to excessive heat such as sunshine, fire or the like

Registering Magic Remote Control

How to register the Magic Remote Control

To use the Magic Remote, first pair it with your TV.

1. Put batteries into the Magic Remote and turn the TV on.
- 2.



Point the Magic Remote at your TV and press the Wheel (OK) on the remote control. * If the TV fails to register the Magic Remote, try again after turning the TV off and back on



How to deregister the Magic Remote Control

•

Press the  (Back) and  (Home) buttons at the same time, for five

seconds, to unpair the Magic Remote with your TV. * Press and hold the



 and  (Q. Settings) buttons for more than 5 seconds to disconnect and re-register the Magic Remote at the same time.

- It is recommended that an Access Point (AP) be located more than 0.2 m away from the TV. If the AP is installed closer than 0.2 m, the Magic remote control may not perform as expected due to frequency interference.

Using Remote Control

Using Magic Remote Control (Depending on model)

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly

Power Turns the TV on or off.

Accesses the saved programmes list.

GUIDE** Accesses the [Guide].

QUICK ACCESS** Accesses the [Edit Quick Access].

- [Edit Quick Access] is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons.

Volume buttons Adjusts the volume level.

Programme buttons Scrolls through the saved programmes.

Home Accesses the Home menu.

Home Launches the last used apps.

Input Changes the input source.

Input Accesses the [Home Dashboard].

Wheel (OK) Press the centre of button to select a menu. You can change programmes by using button.

Wheel (OK) Accesses the [Magic Explorer]. You can run the AI Smart Search feature when the pointer colour is changed to purple. If watching a programme, press and hold down the pointer onto the video. When using [TV Guide], [Settings], [Sports Alert], or [Art Gallery], press and hold down on the text.

Microphone

9** Accesses the [Quick Help].

AD/SAP** Audio descriptions function will be enabled. (Depending on country)

Mute Mutes all sounds.

Mute Accesses the [Accessibility] menu.

Voice recognition Network connection is required to use the voice recognition function. Check for recommended content. (Some recommended services may not be available in some countries.)

Voice recognition Speak while pressing and holding the button to use the voice recognition feature.

Up/Down/Left/Right Press the up, down, left or right button to scroll the menu. If you press buttons while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.

Q. Settings Accesses the Quick Settings.

Q. Settings Displays the [All Settings] menu.

Back Returns to the previous level.

Back Clears on-screen displays and returns to last input viewing. These access special functions in some menus.













Red button Runs the record function. (Depending on country)

Streaming Service buttons Connects to the Video Streaming Service.




















(Some buttons and services may not be provided depending on models or regions.)

Using Remote Control

(Depending on model) The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly.

-  **Power** Turns the TV on or off.
-  **Accesses the saved programmes list.**
-  Shows programme guide.
-  **Teletext buttons** These buttons are used for teletext.
-  **QUICK ACCESS** Edits QUICK ACCESS. (Depending on model)
 - QUICK ACCESS is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons.
-  **Volume buttons** Adjusts the volume level.
-  **Programme buttons** Scrolls through the saved programmes.
-  **Home** Accesses the Home menu.
-  **Home** Launches the last used apps.
-  **Input** Changes the input source.
-  **OK** Selects menus or options and confirms your input.
-  **OK** Accesses the [Magic Explorer]. When using [TV Guide], [Settings], [Sports Alert], or [Art Gallery], press and hold down on the text.



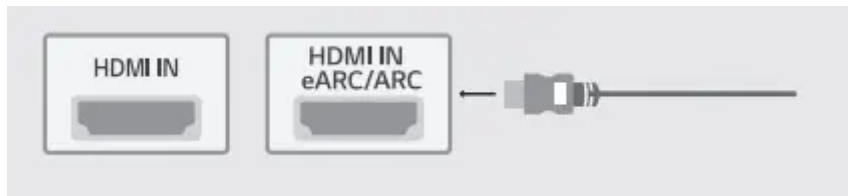
-  **Number buttons** Enters numbers. Accesses the [Quick Help].
-  **More actions** Displays more remote control functions.
 -  Audio descriptions function will be enabled. (Depending on model)
 -  Recalls your preferred subtitle in digital mode. (Depending on model)
 -  **Mute** Mutes all sounds.
 -  **Mute** Accesses the [Accessibility] menu.
-  **Navigation buttons (up/down/left/right)** Scrolls through menus or options.
-  **Q. Settings** Accesses the Quick Settings.
-  **Back** Returns to the previous level.
-  **Search** Check for recommended content. (Some recommended services may not be available in some countries.)
 - Search for content such as TV programmes, movies and other videos, or perform a web search by entering text in the search bar.
 - You can watch TV or LG Channels.
-  **Control buttons** Control buttons for media contents.
 -  Clears on-screen displays and returns to TV viewing.
 -  **Control buttons** Control buttons for media contents.
 -    These access special functions in some menus.
 -  **Streaming Service buttons** Connects to the Video Streaming Service.
 -  **3** Starts to record and displays record menu. (Only Time Machine^{Ready} supported model)
 -  **SLEEP** Set the sleep timer.

Connections

Connect various external devices to the TV and switch input modes to select an external device. For more information of external device's connection, refer to the manual provided with each device.



HDMI

- When connecting the HDMI cable, the product and external devices should be turned off and unplugged.



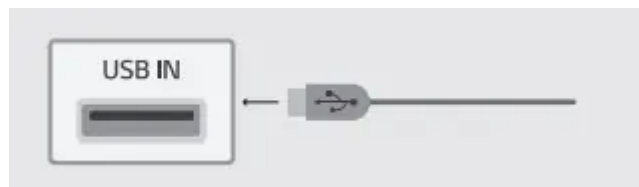
- Supported HDMI Audio format (Depending on model): True HD (48 kHz), Dolby Digital / Dolby Digital Plus (32 kHz / 44.1 kHz / 48 kHz), PCM (32 kHz / 44.1 kHz / 48 kHz / 96 kHz / 192 kHz)

Note: If the device connected to Input Port also supports Ultra HD Deep Colour, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, change the TV's [HDMI Deep Colour] setting to off.

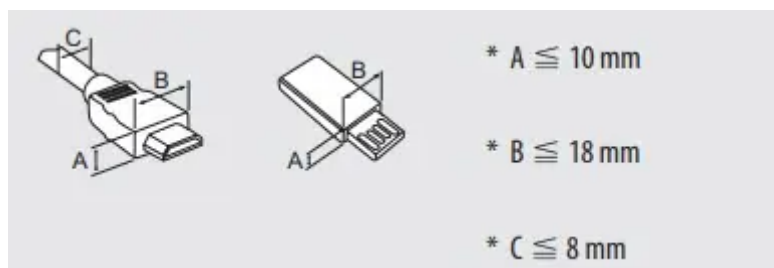
-  →  → [General] → [Devices] → [HDMI Settings] → [HDMI Deep Colour]
 - (Only 82/86UP80*, 82/86UP81*)
 - On: Support 4K @ 50/60 Hz (4:4:4, 4:2:2, 4:2:0), 4K @ 100/120 Hz (4:4:4, 4:2:2, 4:2:0)
 - Off: Support 4K @ 50/60 Hz (4:2:0)
 - (Except for 82/86UP80*, 82/86UP81*)
 - On: Support 4K @ 50/60 Hz (4:4:4, 4:2:2, 4:2:0)
 - Off: Support 4K @ 50/60 Hz (4:2:0)
- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI Cable Types - Ultra High Speed HDMI®/™ cable (3 m or less)

USB

Some USB Hubs may not work. If a USB device connected using a USB Hub is not detected, connect it to the USB port on the TV directly.

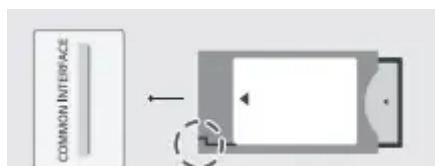


Note: For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm thick, 18 mm width and 8 mm a wire diameter. Use an extension cable that supports usb 2.0 or higher if the USB cable or USB memory stick does not fit into your TV's USB port. (Depending on model)



CI module

View the encrypted (pay) services in digital TV mode. (Depending on model)



Note

- Check if the CI module is inserted into the COMMON INTERFACE in the right direction. If the module is not inserted properly, this can cause damage to the TV and the COMMON INTERFACE.
- If the TV does not display any video and audio when CI+ CAM is connected, please contact to the Terrestrial/ Cable/Satellite Service Operator.

External Devices

Available external devices are: Blu-ray player, HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices.

Note

- The external device connection may differ from the model.
- Connect external devices to the TV regardless of the order of the TV port.
- If you record a TV program on a Blu-ray/DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information of recording, refer to the manual provided with the connected device.
- Refer to the external equipment's manual for operating instructions.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the [Picture] menu until the picture is clear.
- In PC mode, some resolution settings may not work properly depending on the graphics card.

- If Ultra HD content is played on your PC, video or audio may become disrupted intermittently depending on your PC's performance. (Depending on model)
- When connecting via a wired LAN, it is recommended to use a CAT 7 cable. (Only when LAN port is provided.)

Troubleshooting

1. Cannot control the TV with the remote control.

- Check the remote control sensor on the product and try again.
- Check if there is any obstacle between the product and the remote control.
- Check if the batteries are still working and properly installed (+ to +, - to -)

2. No image display and no sound is produced.

- Check if the product is turned on.
- Check if the power cord is connected to a wall outlet.
- Check if there is a problem in the wall outlet by connecting other products.

3. The TV turns off suddenly.

- Check the power control settings. The power supply may be interrupted.
- Check if the auto-off function is activated on the settings related time.
- If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity

4. When connecting to the PC (HDMI), no signal is detected.

- Turn the TV off/on using the remote control.
- Reconnect the HDMI cable.
- Restart the PC with the TV on

5. Abnormal Display

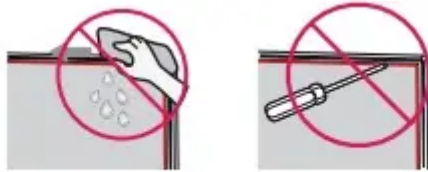
- If the product feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with product.
- This panel is an advanced product that contains millions of pixels. You may see tiny black dots and/ or brightly coloured dots (red, blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product. This phenomenon also occurs in third-party products and is not subject to exchange or refund.
- You may find different brightness and colour of the panel depending on your viewing position(left/right/ top/down). This phenomenon occurs due to the characteristic of the panel. It is not related with the product performance, and it is not malfunction.

- Displaying a still image for a prolonged period of time may cause image sticking. Avoid displaying a fixed image on the TV screen for a long period of time.

6. Generated Sound

- “Cracking” noise: A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required.
- Electrical circuit humming/panel buzzing: A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending on the product. This generated sound does not affect the performance and reliability of the product.

When cleaning the product, be careful not to allow any liquid or foreign objects to enter the gap between the upper, left or right side of the panel and the guide panel. (Depending on model)



Make sure to wring any excess water or cleaner from the cloth.

Do not spray water or cleaner directly onto the TV screen.

Make sure to spray just enough of water or cleaner onto a dry cloth to wipe the screen.

Specifications

(Depending on country)

Broadcasting Specifications				
	Digital TV (Depending on country)			Analogue TV (Depending on country)
Television system	DVB-T/T2 DVB-C DVB-S/S2			PAL/SECAM B/G/I/D/K SECAM L
Channel coverage (Band)	DVB-S/S2	DVB-C	DVB-T/T2	46 ~ 862 MHz
	950 ~ 2,150 MHz	46 ~ 890 MHz	VHF III: 174 ~ 230 MHz UHF IV: 470 ~ 606 MHz UHF V: 606 ~ 862 MHz S Band II: 230 ~ 300 MHz S Band III: 300 ~ 470 MHz	
Maximum number of storable programmes	6,000		3,000	
External antenna impedance	75 Ω			
CI Module (W x H x D)	100.0 mm x 55.0 mm x 5.0 mm			

(Only 82/86UP80*, 82/86UP81*)

Wireless module (LGSBWAC95) specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	19 dBm
5150 to 5725 MHz	18 dBm
5725 to 5850 MHz	13.5 dBm
Bluetooth	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	9 dBm

As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

(Only 70/75UP75*)

Wireless module (LGSBWAC02) specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	17 dBm
5150 to 5725 MHz	19 dBm
5725 to 5850 MHz	10.5 dBm
Bluetooth	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	8.5 dBm

As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

(Except for 82/86UP80*, 82/86UP81*, 70/75UP75*)

Wireless module (LGSBWAC03) specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	18.5 dBm
5150 to 5725 MHz	19.5 dBm
5725 to 5850 MHz	11.5 dBm
Bluetooth	
Frequency range	Output Power (Max.)
2400 to 2483.5 MHz	9 dBm

As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

Environment condition	
Operating Temperature	0 °C to 40 °C
Operating Humidity	Less than 80 %
Storage Temperature	-20 °C to 60 °C
Storage Humidity	Less than 85 %

Warning

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

