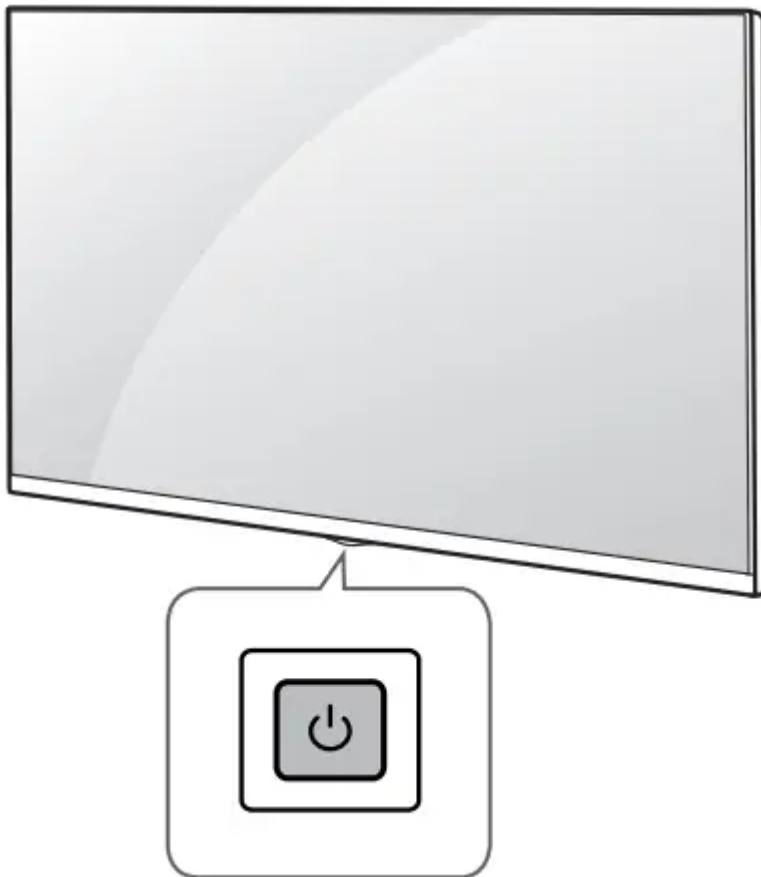
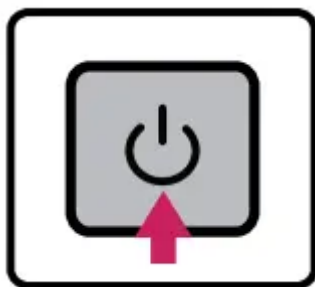


Starting TV

Turning on the TV



Using button



Power On (Press)

Power Off¹⁾ (Press and Hold)

Menu Control (Press²⁾)

Menu Selection (Press and Hold³⁾)

1) All running apps will close.

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 : When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take approximately one minute.

Adjusting the menu

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



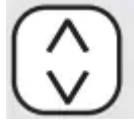
Turns the power off



Adjusts the volume level.



Changes the input source





Scrolls through the saved channels.



Inserting the battery

(Depending on model)

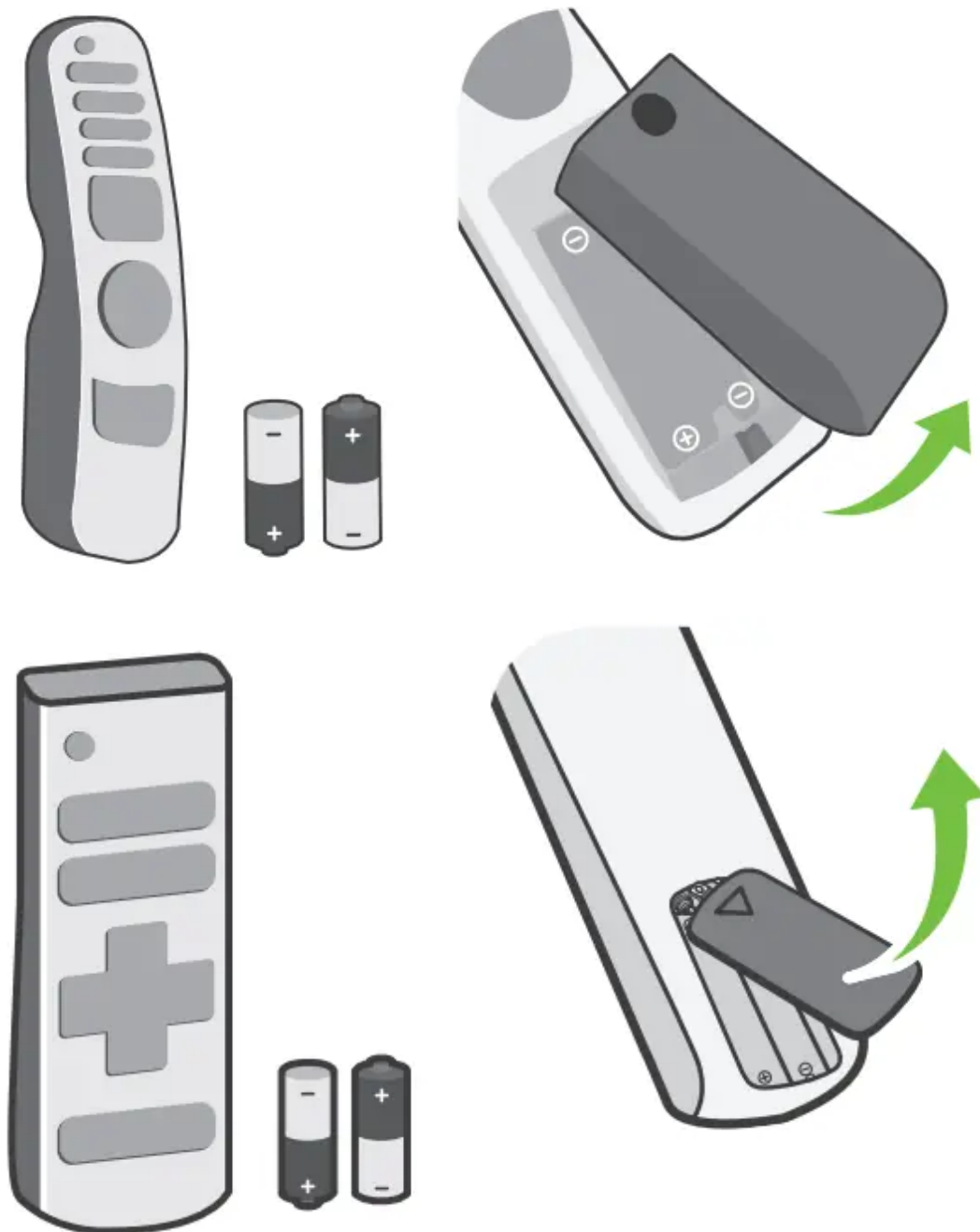
• When the message [Magic Remote battery is low. Please change the battery.] is displayed, replace the batteries. To install batteries, open the

battery cover, replace batteries (1.5 V AA) matching the  and  ends to the label inside the compartment, and close the battery cover. Be sure to point the magic remote toward the remote control sensor on the TV. To remove the batteries, perform the installation actions in reverse. This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.

• To install 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. To remove the batteries, perform the

installation actions in reverse. This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.



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

(Home) and



(Q.Settings) buttons for

more than 5 seconds to disconnect and re-register the Magic Remote at the same time.

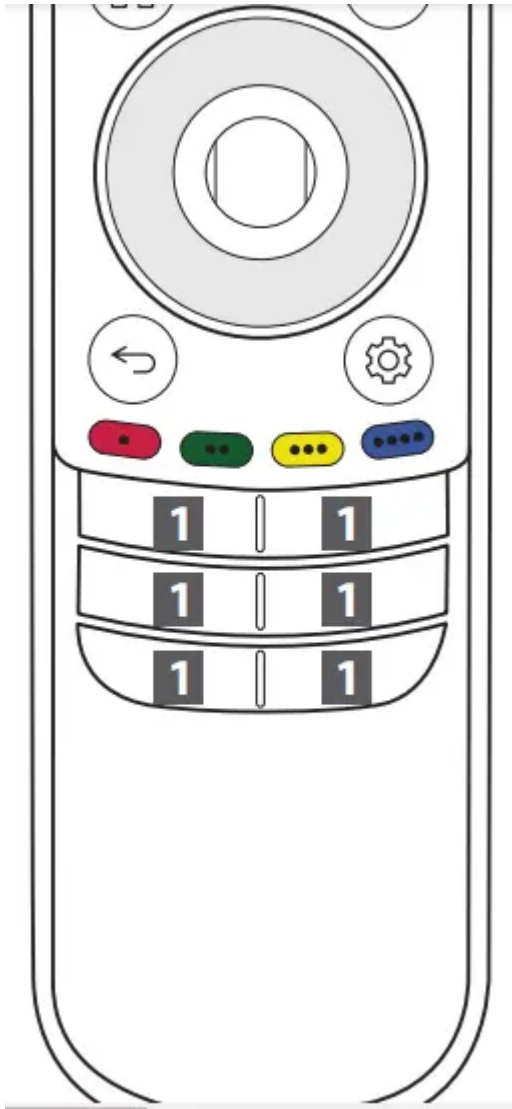
Using Remote Control

Using Magic Remote Control

(Depending upon 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

Microphone





Power Turns the TV on or off.



— (Dash) Inserts a — between numbers such as 2-1 and 2-2.



Accesses the saved channel 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.



Channel buttons Scrolls through the saved channels.



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 center of



button to select a menu. You can

change channels by using



button.



Wheel (OK) Accesses the [Magic Explorer]. You can run the [Magic Explorer] feature when the pointer color is changed to purple. If watching a program, 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.

Number buttons Enters numbers.



**

Accesses the [Quick Help].



More actions Displays more remote control functions.

AD/SAP**

SAP (Secondary Audio Program) feature can also be enabled by pressing the button.



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.



**

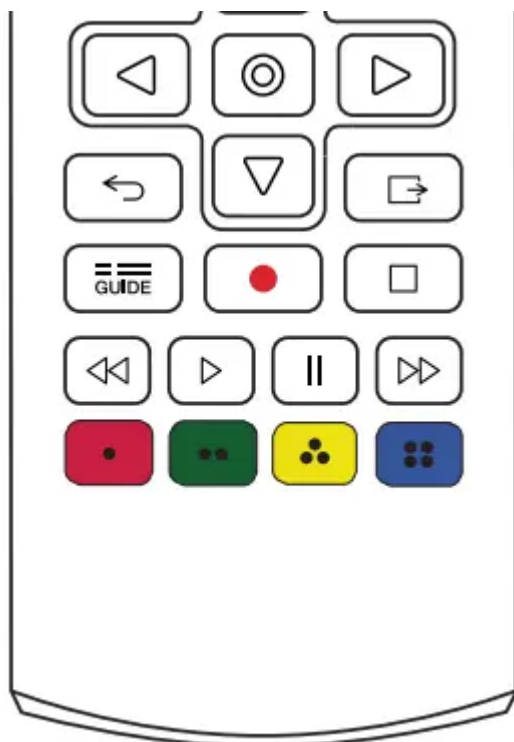
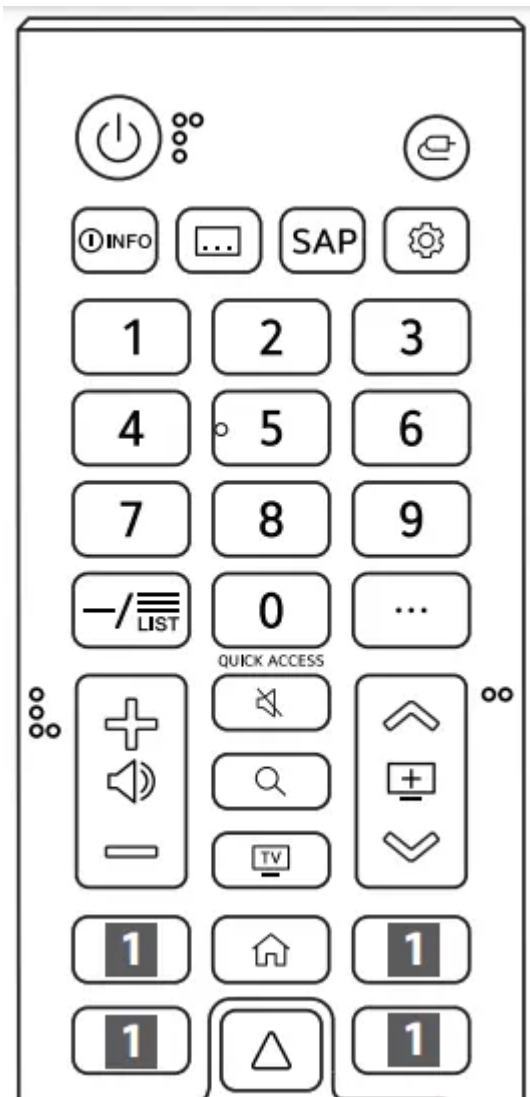
Red button Runs the record function.



Streaming Service buttons Connects to the Video Streaming Service.

Using Remote Control

Depending upon 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.



(Dash) Inserts a — between numbers such as 2-1 and 2-2.



Accesses the saved channel list.



Displays the program event according to time scheduler.



Shows information on the current program.



Recalls your preferred subtitle in digital mode.



Enables SAP (Secondary Audio Program) Feature.

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.



Channel buttons Scrolls through the saved channels.



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.



**

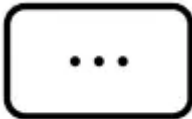
OK Accesses the [Magic Explorer]. When using [TV Guide], [Settings], [Sports Alert], or [Art Gallery], press and hold down on the text.

Number buttons Enters numbers.



**

Accesses the [Quick Help].



More actions Displays more remote control functions.

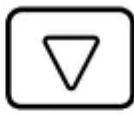


Mute Mutes all sounds.



**

Mute Accesses the [Accessibility] menu.



Navigation button (up / down / left / right) Scrolls through menus or options



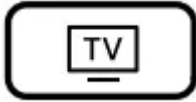
Q. Settings Accesses the Quick Settings.



Back Returns to the previous screen.



Search Check for recommended content. (Some recommended services may not be available in some countries.) Shows the search mode.



You can watch TV or LG Channels.



Clears on-screen displays and returns to last input viewing.



Control buttons Control buttons for media contents.



These access special functions in some menus.




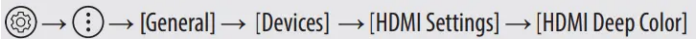
Starts to record. (Only Time Machine Ready supported model)

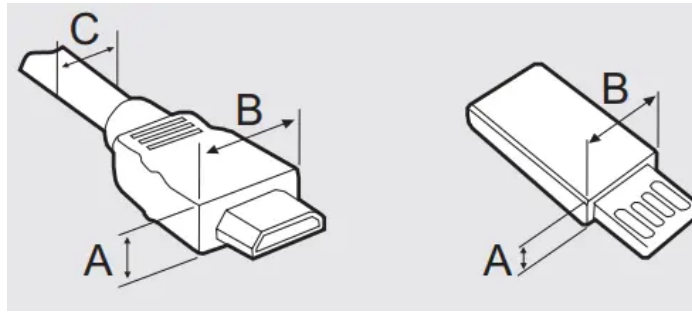


Streaming Service buttons Connects to the Video Streaming Service.

Connections

You can connect various external devices to the TV. For more information on external device's connection, refer to the manual provided with each device. Connect your TV to external devices. For the best picture and audio quality, connect the external device and the TV with the HDMI cable

<p>HDMI</p>	<ul style="list-style-type: none"> • When connecting the HDMI cable, the product and external devices should be turned off and unplugged.  <ul style="list-style-type: none"> • HDMI Audio Supported Format: (Depending upon 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)
<p>Note</p>	<p>If the device connected to Input Port also supports HDMI Deep Color, 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 Color] setting to off.</p>  <p>(Except for 82/86UP87*)</p> <ul style="list-style-type: none"> - On: Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0) - Off: Support 4K @ 50 / 60 Hz (4:2:0) <p>(For 82/86UP87*)</p> <ul style="list-style-type: none"> - On: Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0), <3,4 port Only> 4K @ 100 / 120 Hz (4:4:4, 4:2:2, 4:2:0) - Off: Support 4K @ 50 / 60 Hz (4:2:0) - This feature is available only on certain models which support HDMI Ultra HD Deep Color. <ul style="list-style-type: none"> • 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 (3 m (9.84 feet) or less) - Ultra High Speed HDMI®/™ cable
<p>Note</p>	<ul style="list-style-type: none"> • For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick, 18 mm (0.7 inches) width and 8 mm (0.31 inches) a wire diameter. (Depending upon model) • Use an extension cable that supports USB 2.0 if the USB cable or USB flash drive does not fit into your TV's USB port.



* A \leq 10 mm (0.39 inches)

* B \leq 18 mm (0.7 inches)

* C \leq 8 mm (0.31 inches)

External
Devices

Supported external devices are: Blu-ray player, HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on external device's connection, refer to the manual provided with each device.

Note

- 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 about recording, refer to the manual provided with the connected device.
- The external device connections shown may differ slightly from illustrations in a manual.
- Connect external devices to the TV regardless about the order of the TV port.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- Refer to the external equipment's manual for operating instructions.
- 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. Depending upon the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.
- Some USB Hubs may not work. If a USB device connected through a USB Hub is not detected, connect it directly to the USB port on the TV.
- When connecting via a wired LAN, it is recommended to use a CAT 7 cable.

	<ul style="list-style-type: none"> • The TV may be capable of operating without a set-top-box from a multichannel video programming distributor (MVPD).
Remote RS-232C setup	To obtain the RS-232C external control setup information, please visit www.lg.com . Download and read the manual, (Depending upon model).
Caution	<ul style="list-style-type: none"> • Do not drop the product or let it fall over when connecting external devices. Otherwise, this may result in injury or damage to the product. • When connecting external devices such as video game consoles, make sure the connecting cables are long enough. Otherwise, the product may fall over, which may cause injury or damage the product.



Troubleshooting



<p>Cannot control the TV with the remote control.</p>	<ul style="list-style-type: none"> • Check if anything such as tape has been placed over the receiver. • Check if there is any obstacle between the product and the remote control. • Replace the batteries with new fresh ones.
<p>No image display and no sound is produced.</p>	<ul style="list-style-type: none"> • 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.
<p>The TV turns off suddenly</p>	<ul style="list-style-type: none"> • Check the power control settings. The power supply may be interrupted. • Check if the auto-off function is activated in the settings menu. • If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.
<p>Abnormal Display</p>	<ul style="list-style-type: none"> • If the TV feels cold to the touch, there may be a small flicker when it is turned on. This is normal; there is nothing wrong with TV. Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the TV's performance. Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen. • This panel is an advanced product that contains millions of pixels. In a very few cases, you could see fine dots on the screen while you're viewing the TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV. • Displaying a still image for a prolonged period of time may cause an image sticking. Avoid displaying a fixed image on the TV screen for an extended length of time.
<p>Generated Sound</p>	<ul style="list-style-type: none"> • 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 upon the product. This generated sound does not affect the performance and reliability of the product.

Specifications

Broadcasting Specifications	
Television system	ATSC / NTSC-M, 64 & 256 QAM
Program coverage	VHF 2-13, UHF 14-69, DTV 2-69, CATV 1-135, CADTV 1-135
External antenna impedance	75 Ω

(For 82/86UP87*)

Wireless module(LGSBWAC95)Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	18.5 dBm
5,150 to 5,725 MHz	18 dBm
5,725 to 5,850 MHz	18 dBm
Bluetooth	
Frequency range	Output power(Max.)
2,400 to 2,483.5 MHz	9 dBm

(For 70/75UP70*, 70/75UP71*, 70/75UP75*)

Wireless module(LGSBWAC02)Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	18.5 dBm
5,150 to 5,725 MHz	17 dBm
5,725 to 5,850 MHz	18.5 dBm
Bluetooth	
Frequency range	Output power(Max.)
2,400 to 2,483.5 MHz	8.5 dBm

(Except for 82/86UP87*, 70/75UP70*, 70/75UP71*, 70/75UP75*)

Wireless module(LGSBWAC03)Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	20 dBm
5,150 to 5,725 MHz	18.5 dBm
5,725 to 5,850 MHz	18 dBm
Bluetooth	
Frequency range	Output power(Max.)
2,400 to 2,483.5 MHz	9 dBm
Environment condition	
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	Less than 80 %
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
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.