OWNER'S MANUAL

LG MAGNIT All-in-One
(LED SCREEN)

Please read the safety information carefully before using this product.
After reading this manual, keep it in an easily accessible location for future reference.

LAAA015-G2   LAAA007-G2
LAAA015-G3

ENGLISH

TABLE OF CONTENTS

WARNING - This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

SAFETY PRECAUTIONS

The safety precautions are intended to prevent unexpected danger or harm by helping the user to use the product safely and for its intended purpose.

⚠ WARNING

If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death.

⚠ CAUTION

If you ignore the caution message, you may be slightly injured or the product may be damaged.

⚠ WARNING

Indoor Use Only.

Precautions for the AC Cable and Power

⚠ WARNING

- Before using an AC cable, make sure it conforms to the national standards.
- Operate the display only from a power source (i.e. voltage) indicated in the product specification.
  - Otherwise the product can be damaged, fire can occur or you may be electrocuted. If you are not sure what type of power supply you have, consult a certified installation company.
- Be sure to connect the AC cable to a grounded power disconnecting device.
  - If you do not you may be electrocuted or injured or the product can be damaged.
- Insert the AC cable securely so that it does not come loose.
  - Poor connection may cause a fire or electric shock.
- In the presence of thunder and lightning, never touch the power cord and signal cable because it can be very dangerous.
  - It can cause electric shock.
- Be careful not to place heavy objects (electronic appliances, clothes, etc.) on or step on the AC cable. In addition, do not bend or pull the AC cable with excessive force.
  - Damaged power cords may cause a fire or electric shock.
- Do not connect the AC cable to a power disconnecting device if it has been damaged by a sharp object.
  - You may be electrocuted.
- Do not insert a conductor (such as a metal chopstick) into the power disconnecting device while the AC cable is connected on the other side of the same power disconnecting device. In addition, do not touch the AC cable directly after removing it from the power disconnecting device.
  - You may be electrocuted.

- If water or any foreign substance enters the product, disconnect the AC cable immediately and contact the service centre.
  - Otherwise, this may cause a fire or electric shock due to damage to the product.
- Keep the AC cable away from heating devices.
  - The cord coating may melt and cause fire or electric shock.
- Never disassemble, repair, or modify the AC cable.
  - This may cause a fire or electric shock.
- As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.
- For the power consumption to be zero, the AC cable must be disconnected.

⚠ CAUTION

- If there is dust on the AC cable or the power disconnecting device, wipe them clean.
  - Overheating due to layers of dust may cause a fire or electric shock.
- If there is moisture on the AC cable or the power disconnecting device, wipe them clean. In addition, do not touch them if your hands are wet.
  - This may cause an electric shock.
- Do not turn the product on or off by connecting or disconnecting the AC cable. In other words, do not use the AC cable as a switch.
  - This may cause an electric shock or product malfunction.
- Do not disconnect the AC cable while using the product.
  - Electrical shock can damage the product.

Precautions for Moving the Product

⚠ WARNING

• Contact the service centre before moving the product.
  - It may cause electric shock and damage the product.
• Make sure the product is turned off, unplugged, and all cables have been removed before the product is moved.
  - You may be electrocuted or the product can be damaged.
• When moving the product, do not shock or cause an impact on the front panel.
  - You may be electrocuted or the product can be damaged.
• Use the correct number of people according to the weight of the product. (Under 25 kg per person use lifting equipment when exceeding 100 kg)
  - If use the damaged product again, contact the service centre because it can cause electric shock or fire.
• Do not hold it upside down while holding only the stand. (It is for stand supported models only.)
  - This may cause stand warping, panel damage and other types of product damage.

⚠ CAUTION

• Do not dispose of the product-packing box. Use it when moving by putting the product in the box to carry it.

Precautions for Installing the Product

⚠ WARNING

- Contact the service centre before installing the product.
  - It can cause electric shock and damage the product.
- Do not drop an object on or impact on the product. Keep out of reach of children and do not place toys or objects near the product to prevent throwing things on the product screen.
  - It can cause injury to human, problem to product and damage the display.
- Do not put heavy objects on, or hang from, the product.
  - If the product collapses or is dropped, you may be injured.
- Do not touch the surface of the product if it overheats.
  - It can cause injury to human.
- Install the product firmly fixed on a floor, wall, etc. to prepare against external impact such as wind and earthquake.
  - You must refer to the manual provided.
- Prevent Children from climbing or hanging on the product.
  - If the product collapses or is dropped, you may be injured.
- Do not install it where there are heating devices such as electrical heaters or lighting equipment.
  - Fire, electrical shock, malfunction may occur.
- Do not install this product by yourself as you may injure yourself or cause damage to the product. Please contact service engineer authorised by service centre.
- 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 leave the AC cable, signal cables, etc. in one's walking path.
  - This could cause a trip or fall, which could cause an electrical shock, fire, product breakdown, or injury.
- Do not let the product drop when connecting it to an external device connected with a short cable.
  - This may cause injury and damage to the product.
- If you drop the product or the case is broken, turn off the product and unplug the power cord and contact the service centre.
  - If you continue to use without taking proper measures, electrical shock or fire can occur.
- Install the product in a dry place where it is not near dust and water. Avoid high temperatures and humidity.
  - This may cause electrical shock, fire or product damage.
- Safely install the product in a place that can hold the weight of the product.
  - A lack of strength may cause the product to fall.
- Take a comfortable and natural position to relax the muscles when working with a product.
- A readily accessible disconnect device shall be incorporated external to the equipment. The maximum rating of an overcurrent protective device to be provided external to the equipment may be one of the protective device ratings available in the country of installation.

⚠ CAUTION

• Install the product where no Electromagnetic Interference occurs.

• If you install the product in a place that does not meet the recommended conditions, this may cause serious damage to the product's picture quality, life cycle, and appearance. Please check with service engineer before installing. Please do not install the product in places such as where there is an abundance of fine dust or oil mist, chemical substances are used, exposed to direct sunlight, the temperature is very high or low, the humidity is very high.

• Make sure the product is well ventilated by Installing at a distance (100 mm or more) from the wall.

  - If you install the product too close to the wall, it may be deformed or fire can break out due to internal heat buildup.

• When the AC cable is connected, make sure that the vents are not blocked by tablecloths, curtains, or other objects (such as plastic).

  - The product can be deformed or fire can break out due to overheating inside the product.

• Do not install the product in an area with poor ventilation (e.g. on a bookshelf, in a closet) or outside and avoid placing on cushions or carpets.

  - The product could catch fire due to overheating inside the product.

• Install the product on a flat and stable place that is large enough to support the product.

  - If the product is dropped, you may be injured or the product may be broken.

• When installing the product on a shelf or cabinet, make sure that the bottom end of the product is not protruding forward.

  - The product may fall due to unbalanced centre of gravity, which may cause personal injury or damage to the product. Be sure to use cabinets or shelves that fit your product.

Precautions for Cleaning the Product

⚠ WARNING

- Keep the product clean at all times.
  - If you don't clean the unit for a long time and it becomes covered in dust, it can cause fire or product damage.
- When you need to clean the inside of the product, you must contact the service centre.
  - Otherwise, cleaning without support may cause a fire, electric shock, or damage to the product.
- When cleaning the product, disconnect the AC cable and wipe it gently with a soft cloth to prevent scratches.
  - An electric shock may occur or damage to the screen if its scratched.
- Do not physically come in contact with the screen of the LED Package.
  - This may cause damage to the product.
- To clean the product, use an air gun to lightly remove dust from the front frame and the screen.
  - If there are foreign substances in between the LEDs on the screen, it may cause a defect on the screen.

⚠ CAUTION

- When cleaning the product or the screen, unplug the power cord and wipe it gently with a soft cloth. Do not spray water or other liquids directly on the product. Especially, do not clean your product with chemicals including glass cleaner, any type of air freshener, insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol, etc., which can damage the product or its panel.
  - This may result in fire, electric shock or product damage (deformation, corrosion or breakage).

Precautions for Using the Product

⚠ WARNING

- Do not use the product in any environment with excessively high temperatures or humidity.
  - It may cause electrical shock or damage the product.
- If you use the product for a long period of time, take a rest from time to time to protect your vision.
  - Extended viewing could result in impaired vision.
- Listening at high volume or using for a long time can cause damage to your hearing.
- If water or any foreign substance enters a unit, turn off the unit, disconnect it from the AC cable, and contact the service centre.
  - Otherwise, the product may cause fire or electric shock.
- In the event that no image appears on the screen or no sound is heard, stop using the product. Disconnect the AC cable from the power disconnecting device immediately and contact the service centre.
  - Otherwise, the product may cause fire or electric shock.
- Do not drop an object or impact on the product or screen.
  - It can cause injury to human, problem to product and damage the screen.
- If there is smoke or a strange sound or smell, disconnect the AC cable and contact the service centre.
  - If you continue to use the product without taking proper measures, it may cause electrical shock or fire.
- Do not attempt to disassemble, repair or modify the product yourself. Please contact service centre if you need to repair it.
  - Fire or electric shock can occur.
- Do not place objects filled with liquids such as vases, cups etc. on or over the product to prevent liquid from entering the product.
  - Failure to do so may result in fire, electric shock, malfunction or deformation.
- The product must be installed in an environment out of human reach. If a person touches the product, its performance may deteriorate. If the product needs to be installed in a place where human contact with the product is likely, a separate measure to prevent people from touching it needs to be taken.
- Do not push hard on or scratch the product's surface with your hands or sharp objects, such as nails, pencils or pens. Do not shock or scratch the front and sides of the screen with metallic objects.
  - This may damage the products and cause it to malfunction.
- Do not touch the product if it has been exposed to sunlight or an intense light because it could be hot.

• Do not use high voltage electrical goods near the product (e.g., a bug zapper).
  - This may result in product malfunction if it receives an electrical shock.
• If there is a gas leak, do not touch the outlet, and open the windows for ventilation.
  - Otherwise, the product may cause fire or electric shock.
• If the product or case is dropped and damaged, turn off the power and disconnect the AC cable.
  - If you continue to use without taking proper measures, electrical shock or fire can occur. Contact the service centre.
• Keep small accessories out of the reach of children.
  - If a child swallows it, consult a doctor immediately.
• Keep out of reach of children from the product. Also, do not throw toys or objects at the product or screen.
  - It can cause injury to human, problem to product and damage the screen.
• To shut off the power of the unit, you must disconnect all connected AC cables.

⚠ CAUTION

• This panel is an advanced product that contains millions of pixels. You may occasionally see pixel spots when viewing the screen. Since these deactivated pixels are not a defect, the performance and reliability of the product is not affected.
• Do not put or store inflammable substances near the product.
  - There is a danger of explosion or fire.
• Keep the proper distance from the product.
  - It can cause damage to your vision if you look at the product too closely.
• Set the appropriate resolution and frequency by products.
  - It can cause damage to your vision.
• Take a regular break when working with the product for a long time.

Precautions for Using the Remote control

⚠ WARNING

- Avoid places with high humidity.
  - It may cause electrical shock or damage the product.
- Do not expose batteries to excessive heat, such as direct sunlight, open fireplace, and electric heaters.
  - It may cause fire and you may be injured.
- Make sure that children do not swallow the remote control batteries when you replace them. Keep batteries out of reach of children.
  - If a child swallows a battery, consult a doctor immediately.
- Do not dispose of batteries in a fire.
  - Please dispose batteries at a local recycling centre or a retail store that handles batteries.
- Used batteries, which include rechargeable batteries, should be recycled separately from waste.
  - Please dispose used batteries and rechargeable batteries at a local recycling centre or a retail store that handles batteries.

⚠ CAUTION

- Do not short circuit and disassemble of batteries.
  - It may cause electrical shock or fire.
- The remote control may not function properly in sunlight or under a strong lamp. Move the product if it is being used in these conditions.
- Check if there is any obstacle between the product and the remote control.
- Do not mix new batteries with old batteries.
  - Overheating or leaking batteries may cause fire or electric shock.
- Only use the specified type of battery. Do not insert batteries that are not rechargeable into the charger.
  - Overheating or leaking batteries may cause fire or electric shock.

Product Disposal

- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

ASSEMBLING AND PREPARING

⚠ CAUTION

• Always use genuine components to ensure safety and durability of the product.

• The product warranty will not cover damage or injury caused by the use of unauthorised components.

🛈 NOTE

• The accessories provided with your product may vary depending on the model or region.

• Product specifications or contents in this manual may be changed without prior notice due to upgrade of product functions.

• The warranty will not cover any damage caused by using the product in an excessively dusty environment.

• SuperSign Software & Manual

- Visit *https://partner.lge.com* to download the latest SuperSign software and manual.

Optional Accessories

Without prior notice, optional accessories are subject to change to improve the performance of the product, and new accessories may be added. The illustrations in this manual may differ from the actual product and accessories.

Wall Mount

WM-L136A
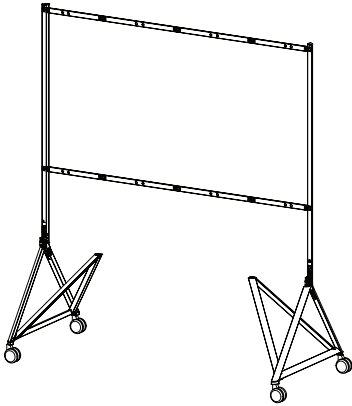
Floor Stand	Expansion Installation Kit

ST-136A
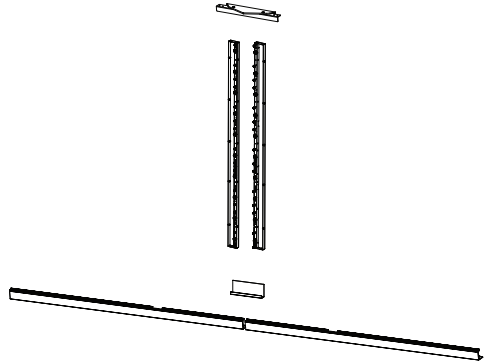
KT-136EA-HB

Handling for Protecting LED Package Screen

1   When taking out the product, make sure the screen is not pressed.
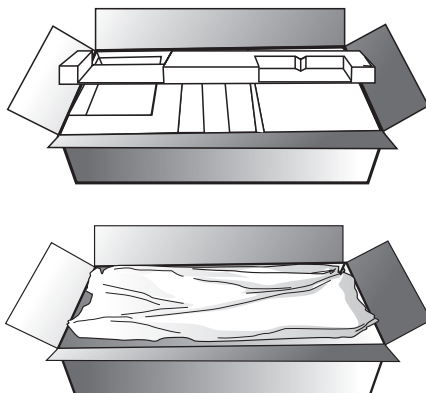
2   To stand the product upright, hold it on both sides so that the LED package screen does not touch the floor.

LED Package Screen

3   Place the product with the LED package screen facing down. To protect the screen, lay the protective pad in the box on the floor.

LED Package Screen

Separate Protection Pad
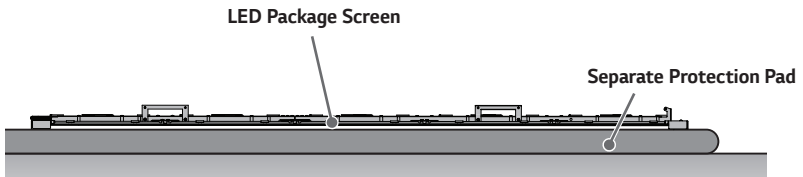
4   If you do not have a pad, make sure that there is no foreign object on the floor when you lay the product on the floor, and then carefully place the LED package screen facing down or up. Be careful not to drop objects on the LED package screen.
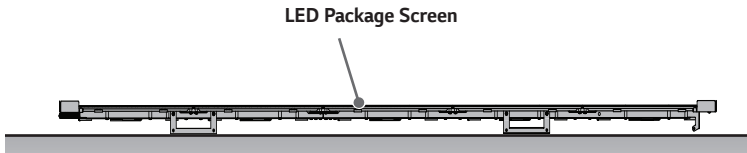
LED Package Screen

⚠ CAUTION

1   If the product is tilted towards the LED package screen after the brackets on the corners are removed, the bottom of the product may be damaged.
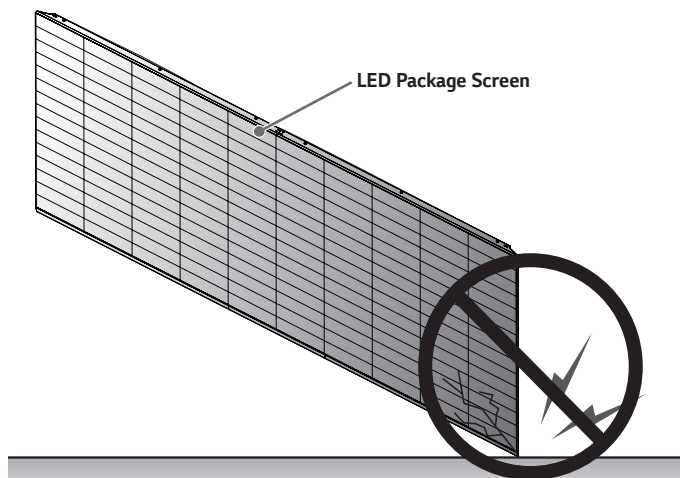
LED Package Screen

2   If the product is tilted towards the edge of the LED package screen after the brackets on the corners are removed, the bottom (corner) of the product may be damaged.

LED Package Screen
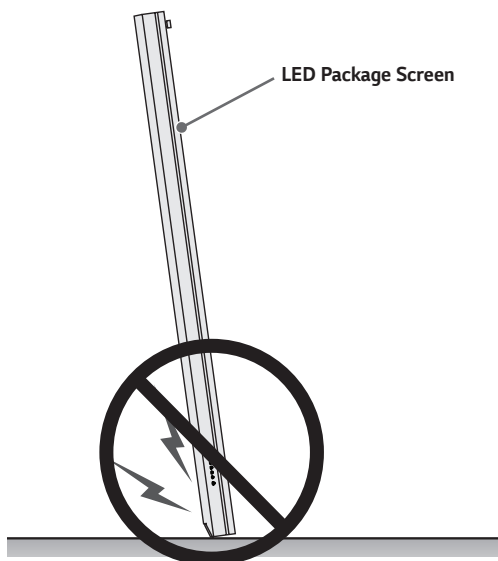
Installation Precautions Guide

Temperature

• Make a cooling system for the enclosure so that the operating temperature of the product can be maintained.
   - Product operating temperature: 0 °C to 40 °C (the recommended room temperature is below 25 °C.)
• Install in a location where the warm air from an air conditioner does not directly affect the product.
   - This will prevent malfunctions such as the screen turning off.
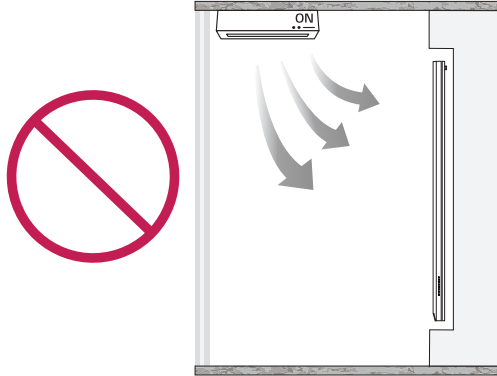
Direct Sunlight

• Install in a location that is not exposed to direct sunlight.
   - This will prevent the screen from appearing blurry due to light reflection.
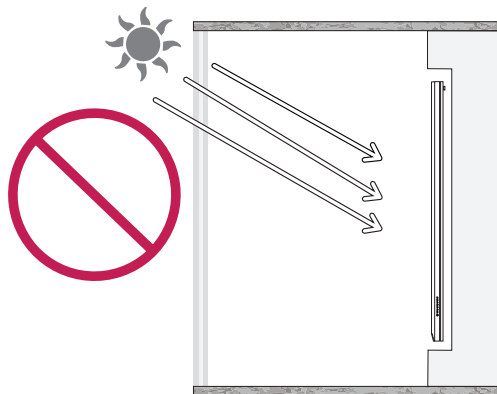
Installation Position

• Ensure the distance from the ceiling of the installation room to the product is at least 400 mm.
  - The high temperature air collected at the ceiling will naturally circulate to prevent malfunction.
• Ensure the distance from the floor of the installation room to the product is at least 100 mm.
  - The air from the floor will easily circulate to the ceiling to prevent malfunctions.

400 mm or more
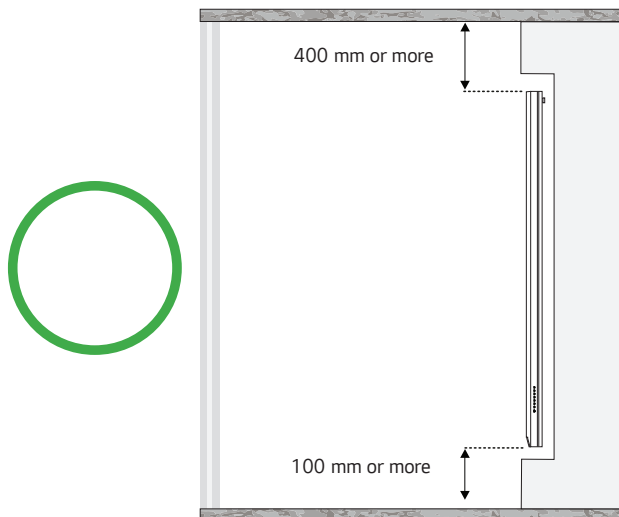
100 mm or more

Installation Location

Installing on a Recessed Wall

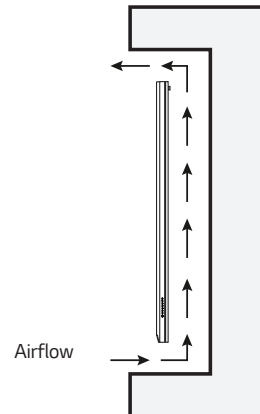• After installation on a recessed wall, a bezel can be installed for interior purposes.
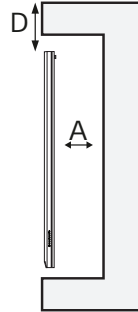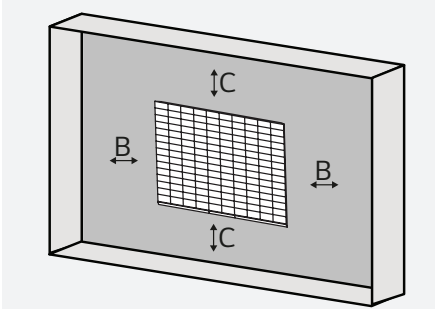
A : 30 mm or more
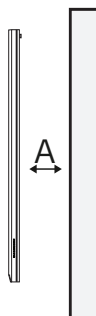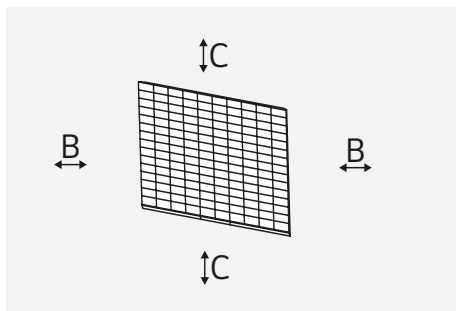B : 40 mm or more
C : 40 mm or more
D : 40 mm or more

When Installing the Bezel

• Ensure it can be detached for product repair.
• For the top / bottom bezels, secure at least 50 % of the air vent to facilitate air circulation.
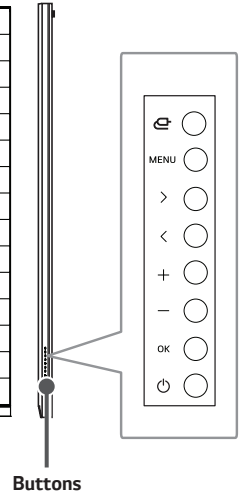 - This will prevent malfunction.
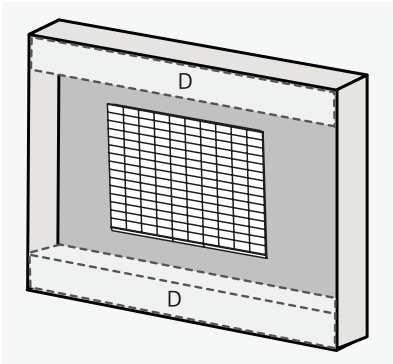
D : Air Vent
(50 % or more)

Airflow

Installing on a Wall

A : 30 mm or more
B : 40 mm or more
C : 40 mm or more

Buttons

LAAA015-G2, LAAA015-G3, LAAA007-G2

Buttons

- ⏻ : Changes the input source.
- **MENU** : Accesses the main menus, or saves your input and exits the menus.
- ⟨⟩ : Moves left and right.
- ＋－ : Adjusts the volume level.
- **OK** : Press the button to select menu.
- ⏻ : Turns the power on or off.

Terminal

LAAA015-G2, LAAA015-G3, LAAA007-G2

1 When accessing the external input port of the mainboard, remove the screw on the bottom of the product.
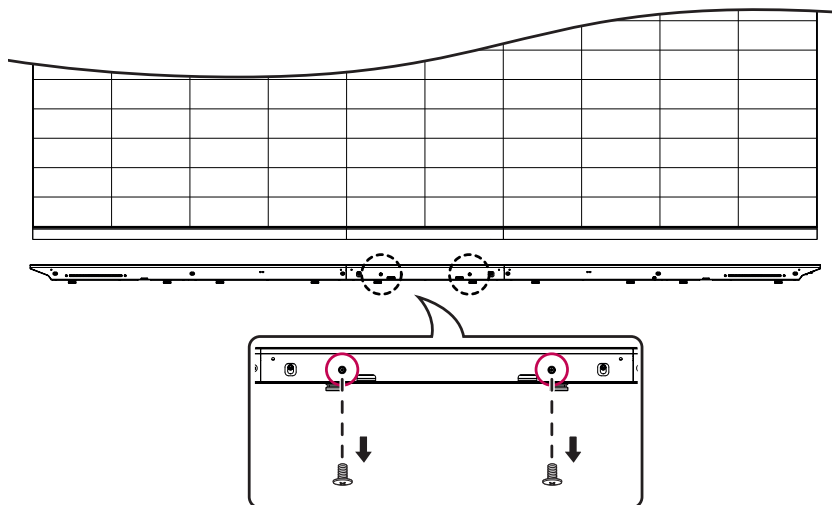
2   Push the lock-structured knob back and detach the bottom front cover downwards.

1

2

USING THE REMOTE CONTROL

MAGIC REMOTE

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully to use the monitor correctly. To install batteries, open the battery cover, place batteries (1.5 V A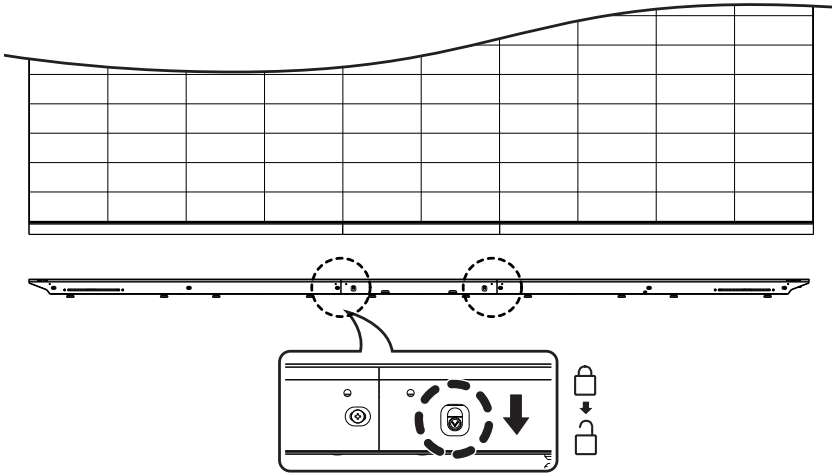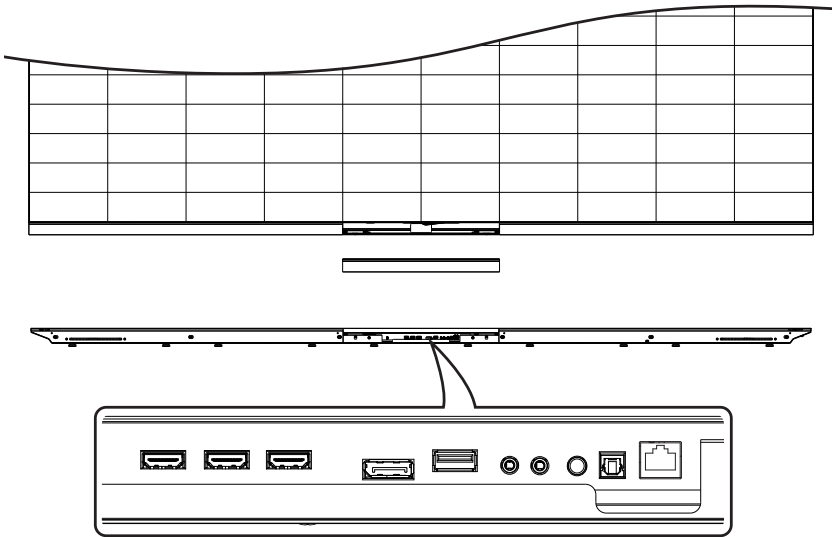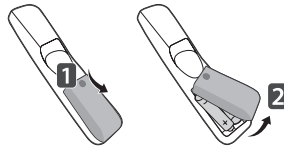A) matching ⊕ and ⊖ terminals to the labels inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. The illustrations may differ from the actual accessories.

⚠ CAUTION

• Use the remote control within the specified range (within 10 m).

  You may experience communication failures when using the device outside the coverage area or if there are obstacles within the coverage area.

• You may experience communication failures depending on the accessories.

  Devices such as a microwave oven and wireless LAN operate in the same frequency band (2.4 GHz) as the Magic Remote. This may cause communication failures.

• The Magic Remote may not work properly if a wireless router (AP) is within 0.2 m of the monitor/LED Screen. Your wireless router should be more than 0.2 m away from the monitor/LED Screen.

• Do not disassemble or heat the batteries.

• Do not drop the battery. Avoid extreme shocks to the battery.

• Do not immerse the batteries in water.

• **Caution**: Risk of fire or explosion if the battery is replaced by an incorrect type.

• Properly dispose of used batteries.

• Inserting a battery in the wrong way may result in explosion.

Microphone
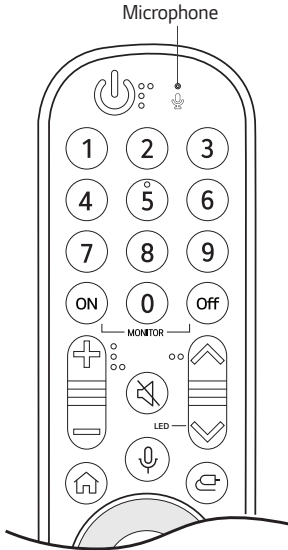
(Power) Turns the monitor on or off.

Number Buttons Use these buttons to enter a number.

MONITOR ON Turn on the monitor/LED Screen.

MONITOR OFF Turn off the monitor/LED Screen.

(Volume) Adjust the volume.

(Mute) Mutes all sounds.

(LED) Adjust the LED light.

(Home) Activate the launcher.

(Voice Recognition) The monitor/LED screen function can be used with voice recognition. (Currently not supported.)

(Input) Selects the input mode.

◯ **Wheel (OK)** Press the scroll in the middle of the wheel to select a menu. The direction can be adjusted up and down by turning the wheel.

◎ **(Up/Down/Left/Right)** Use these buttons to navigate the menu. Pressing the up, down, left, and right buttons while using the pointer will make the pointer disappear. To use the pointer again, shake the Magic Remote from side to side.

↩ **(Previous)** Go to the previous menu.

⚙ **(Settings)** Allows entry to the main menu and enables you to save and exit settings.

PICTURE ID ON/OFF When the video ID number and product ID number match, you can control the desired monitor/LED screen while multiple monitors/LED screens are connected.

ON : You can individually control as many as the number of set video IDs.

OFF : You can control all monitors/LED screens simultaneously.

FREEZE Freezes the screen of the external input video at the moment of key input. This is a LAEC/LAAA-only function. (Functions may be turned off when switching to some apps. e.g. Other external input apps, Multi-Screen, DSMP, SI App, Player, etc.)

🕐 **(Presentation Timer)** A presentation timer can be set. (Time setting from 10 to 120 minutes)

▤ **(Office Meeting Mode)** You can switch the Office Meeting Mode settings on or off.

W.BAL Enters the White Balance menu.

PSM Selects the Picture mode.

ARC Selects the screen size.

Register/Unregister the Magic Remote

• Turn on the TV and press the ◯ **Wheel(OK)** on the Magic remote for registration.
• Press and hold the ⌂ **(Home)** button and ↩ **(Back)** button together for more than 5 seconds to disconnect the Magic Remote.
• Press and hold the ⌂ **(Home)** button and ⚙ **(Settings)** button together for more than 5 seconds to disconnect and re-register the Magic Remote at the same time.

REMOTE CONTROL

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

To install batteries, open the battery cover, place batteries (1.5 V AAA) matching ⊕ and ⊖ terminals to the labels inside the compartment, and close the battery cover.

To remove the batteries, perform the installation actions in reverse. The illustrations may differ from the actual accessories.
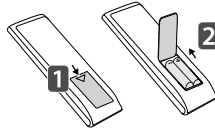
⚠ **CAUTION**

• Do not mix old and new batteries, as this may damage the remote control.
• Ensure the remote control is always pointed toward the monitor's IR receiver.
• Some features of the remote control may not be supported in certain models.
• The product's internal and external batteries should not be exposed to excessive heat such as direct sunlight, fire, or the like.
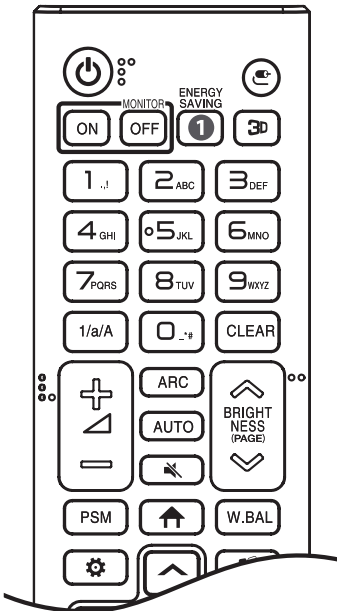
⏻ (Power) Turns the monitor on or off.

MONITOR ON Turns the monitor on.

MONITOR OFF Turns the monitor off.

❶ **ENERGY SAVING** Adjusts the brightness of the picture to reduce energy consumption.

⬮ (Input) Selects the input mode.

3D Turns the display layout pattern on.

Number and Alphabet buttons Enters numerical or alphabetical characters depending upon the setting.

1/a/A Toggles between numerical and alphabetical. (This function is not supported.)

CLEAR Deletes the entered numerical or alphabetical character.

⊹∠▭ (Volume Up/Down Button) Adjusts the volume level.

ARC Selects the screen size.

AUTO Automatically adjusts picture position and minimizes image instability. (This is supported only for the RGB input.)

◀ (MUTE) Mutes all sounds.

⌃BRIGHTNESS⌄ Adjusts the LED light of the display.

(PAGE) Moves to the previous or next screen.
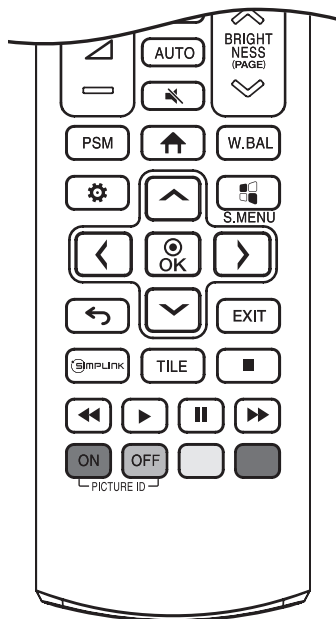
PSM Selects the Picture Mode.

(HOME) Activates the Launcher.

W.BAL Enters the White Balance menu.

(SETTINGS) Accesses the main menus or saves your input and exit menus.

S.MENU SuperSign menu key. (This function is not supported.)

, After selecting the menu, select and adjust functions.

(BACK) Returns to the previous level.

EXIT Closes the menu.

SIMPLINK Allows you to control various multimedia devices to enjoy multimedia simply by using the remote control through the SimpLink menu.

TILE You can choose to turn TILE Mode on/off.

(Control buttons) Controls media playback. (This function is not supported.)

PICTURE ID ON/OFF When the Picture ID number matches the Set ID number, you can control whichever monitor you want in multi-display format.

- **ON**: Individually control the monitors with an image ID assigned to each of them.
- **OFF**: Control the monitors at once.

TROUBLESHOOTING

No image is displayed.

- Is the power cord connected to the product?
  - Check if the power cord is correctly plugged into the power outlet.
- Is the 'No Signal' message displayed?
  - Check the connection status of the HDMI or DP cable.
  - Access the Input menu to check the input source.

The 'Unknown Product' message appears when the product is connected.

- Did you install the driver?
  - Check if the Plug and Play function is supported by referring to the graphics card user manual.

The screen image looks abnormal.

- Is the screen position wrong?
  - Check if the graphics card resolution and frequency are supported by the product. If the frequency is out of range, set to the recommended resolution in the "Display" settings in Control Panel.
- The screen is displayed abnormally.
  - The proper input source is not connected to the port. Connect a cable that matches the input source signal.

The display colour is abnormal.

• After-image appears when the product is turned off.
  - If you display a still image on the screen for a long time, the LED package may be damaged rapidly. Use the screen-saver function.
  - When a dark image is displayed on the screen after an image with high contrast (black and white or grey), this may cause image sticking. This is normal for LED products.
• Screen has poor colour resolution (16 colours).
  - Set the colour depth to more than 24 bits (true colour).
• Screen colour is unstable or mono-coloured.
  - Check the connection status of the signal cable. Or, re-insert the PC graphics card.
• Does a black dot appear on the screen?
  - The few pixels (red, green, blue, white and black) that appear on the screen are due to the inherent characteristics of the LED surface. This is not a malfunction of the Screen.

The operation does not work normally.

• The power suddenly turned off.
  - Check if the auto-off function is activated on the settings related time.
  - Power source has not being supplied properly. See if the product power cord is connected properly.

🛈 NOTE

• Without prior notice, the software is subject to change to improve the functionality of the product.

PRODUCT SPECIFICATIONS

Without prior notice, the product specifications are subject to change to enhance the functionality of the product.

The ~ symbol means alternating current, and the symbol ⎓ means direct current.

LAAA015-G2, LAAA015-G3

Pixel pitch (distance between pixels)	1.5625 mm
Resolution	1920 x 1080
Pixel density	409,600 pixels/m^2
Number of pixels per screen	82,944 pixels
Number of colour output bits	Internal 20 bit
Number of expressible colours	281.4 x 10^{12}
Input/ Output ports	HDMI IN 1, HDMI IN 2, HDMI IN 3, DP IN, USB 2.0 IN, RS-232C IN/OUT, IR & LIGHT SENSOR, OPTICAL DIGITAL AUDIO OUT, LAN IN
Dimensions (Width x Height x Depth) / Weight	3004 mm x 1741.3 mm x 57.4 mm / 190 kg
Luminance	Max 500 nit
Colour temperature (K)	3,200 - 9,300 K
Rating	100-240 V~ 50/60 Hz, 10 A
Operating Temperature	0 ℃ to 40 ℃
Operating Humidity	10 % to 80 %
Storage Temperature	-20 ℃ to 60 ℃
Storage Humidity	5 % to 85 %
Manufactured in	Republic of Korea

LAAA007-G2

Pixel pitch (distance between pixels)	0.78 mm
Resolution	3840 x 2160
Pixel density	1,638,400 pixels/m^2
Number of pixels per screen	331,776 pixels
Number of colour output bits	Internal 20 bit
Number of expressible colours	281.4 x 10^{12}
Input/ Output ports	HDMI IN 1, HDMI IN 2, HDMI IN 3, DP IN, USB 2.0 IN, RS-232C IN/OUT, IR & LIGHT SENSOR, OPTICAL DIGITAL AUDIO OUT, LAN IN
Dimensions (Width x Height x Depth) / Weight	3004 mm x 1741.3 mm x 57.4 mm / 190 kg
Luminance	Max 500 nit
Colour temperature (K)	3,200 - 9,300 K
Rating	100-240 V~ 50/60 Hz, 8 A x 2
Operating Temperature	0 ℃ to 40 ℃
Operating Humidity	10 % to 80 %
Storage Temperature	-20 ℃ to 60 ℃
Storage Humidity	5 % to 85 %
Manufactured in	Republic of Korea

Wireless module (LGSBWAC72) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5 5150 to 5725 5725 to 5850 (Not for EU)	14 16.5 11.5
Bluetooth	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	8.5

- 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.

* IEEE 802.11ac is not availble in all countries.

(Only Nigeria)

> **Connection and use of this communications equipment is permitted by the Nigerian Communications Commission**

(Only HongKong)

Wireless module (LGSBWAC72) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	Output power (Max.) (dBm)
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Bluetooth	
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- 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.

HDMI/ DisplayPort (PC) Support mode

LAAA015-G2, LAAA015-G3

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
800 x 600	37.879	60.317
1024 x 768	48.363	60
1280 x 720	44.772	59.855
1366 x 768	47.7	60
1280 x 1024	63.981	60.02
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60
3840 x 2160	67.5	30

LAAA007-G2

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
800 x 600	37.879	60.317
1024 x 768	48.363	60
1280 x 720	44.772	59.855
1280 x 1024	63.981	60.02
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60
3840 x 2160	67.5	30
	135	60

HDMI/ DisplayPort (DTV) Support mode

LAAA015-G2, LAAA015-G3, LAAA007-G2

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
480/60p	31.5	60
576/50p	31.25	50
720/50p	37.5	50
720/60p	45	60
1080/50i	28.1	50
1080/60i	33.75	60
1080/50p	56.25	50
1080/60p	67.432	59.94
1080/60p	67.5	60
2160/30p	67.5	30
2160/50p[1]	112.5	50
2160/60p[1]	135	60
2160/24p[1]	54	24
2160/25p[1]	56.25	25

[1] UHD model only.

> 🛈 **NOTE**

- When the cable is connected to the HDMI or the DisplayPort, you can select the PC/DTV mode optionally. It is recommended that you select PC mode when connecting to a PC and select DTV mode when connecting to other devices. The DTV mode refers to all modes excluding the PC mode.
- Vertical frequency: The product display functions by the screen image changing dozens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the number of image displays per second. The unit is Hz.
- Horizontal frequency: The horizontal interval is the time taken to display one horizontal line. When 1 is divided by the horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.

(Unit: mm)

1741.3

3004

57.4
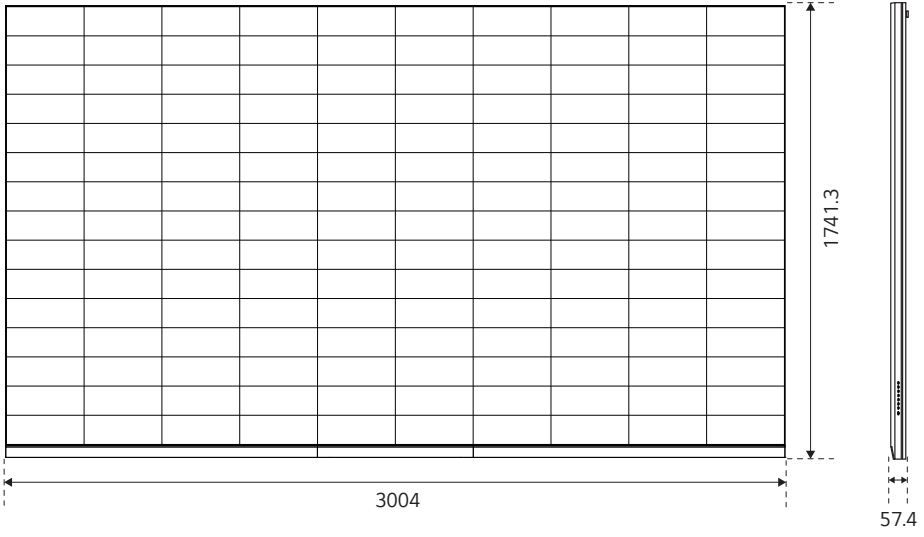
LICENSES

Supported licenses may differ by model. For more information of the licenses, visit *www.lg.com*.

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LG

The model and serial number of the product are located on the back and on one side of the product.
Record them below in case you ever need service.

MODEL

SERIAL NO.

Temporary noise is normal when powering ON or OFF this device.