



OWNER'S MANUAL

LG MAGNIT

(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.

LSAL006-G2L

LSAL006-G2R

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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 Adapter and Power

WARNING

- Use only the power cord or AC adapter provided or approved by LG Electronics, Inc. If you use another power cord, make sure that it is certified by the national standards. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized service center for a replacement.
- 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.
- Make sure the power cord connect to a properly grounded outlet.
 - If you do not you may be electrocuted or injured or the product can be damaged.
- Insert the power plug or AC adapter firmly so it cannot 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 step or place heavy objects (electronic appliances, clothing, etc.) on the power cord or AC adapter. Additionally, do not bend or pull out the power cord or AC adapter with excessive force.
 - Damaged power cords may cause a fire or electric shock.
- Do not connect power cord or AC adapter damaged with sharp objects to power outlet.
 - You may be electrocuted.
- Do not insert a conductor (like a metal chopstick) into one end of the power cord while the other end is connected to the input terminal on the wall. Additionally, do not touch the power cord right after it is unplugged.
 - You may be electrocuted.
- Do not use with a multi-outlet connected by many electrical product and heating devices. Use an exclusive multi-outlet with a grounding terminal.
 - A fire can break out due to overheating.

- If water or any foreign substance goes inside the product, disconnect the power cord immediately and contact the service center.
 - Otherwise, this may cause a fire or electric shock due to damage to the product.
- Keep the power cord or AC adapter away from any heating devices.
 - The cord coating may melt and cause fire or electric shock.
- Never disassemble, repair or modify the power cord or AC adapter.
 - This may cause a fire or electric shock.
- The main cutoff device is the power cord. Please make sure the product is installed near the wall outlet and that it is easily accessible.
- 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.
- Power consumption will be '0' only when the power plug is unplugged.
- Use the appliance coupler as the disconnect device.

CAUTION

- If the outlet pins of the power plug or AC adapter is covered with dust, be sure to wipe them and keep them clean.
 - Overheating due to layers of dust may cause a fire or electric shock.
- If the outlet pins of the power plug or AC adapter is covered with water be sure to wipe them and keep them clean. Additionally, Do not touch the power plug or AC adapter with wet hands.
 - This may cause an electric shock.
- Do not turn the product on or off by plugging in or unplugging the power plug from the power outlet. Do not use the power socket as a switch.
 - This may cause an electric shock or product malfunction.
- Do not unplug the power cord while the product is in use.
 - Electrical shock can damage the product.

Precautions for Moving the Product

WARNING

- Contact the service center 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 (55.1 lbs) per person use lifting equipment when exceeding 100 kg (220.4 lbs))
 - If use the damaged product again, contact the service center 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 center 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 authorized by service center.
- 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 power or signal cable, etc. on the pathway.
 - 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 center.
 - 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.
- When connecting the cable to the power input/output terminal at the bottom of the product, there is a risk of electric shock, so be sure to disconnect the power cord.

 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 (20 mm (0.7 inches) 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.
- Do not cover the product with a tablecloth or a curtain or other materials (e.g. plastic) while plugged in. Do not block the ventilation hole of the product.
 - 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 center 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 center.
 - Otherwise, cleaning without support may cause a fire, electric shock, or damage to the product.
- When cleaning the product, unplug the power cord and wipe gently with a soft cloth to prevent scratching.
 - 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.
- In the event that liquid or a foreign object falls into the product, please switch it off and unplug it from the wall outlet and contact the service center.
 - 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. Switch it off immediately, unplug it from the power outlet and contact the service center.
 - 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 you can smell smoke or other odors or hear a strange sound, unplug the power cord and contact the service center.
 - 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 center 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.
- 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 you dropped the product or the case is broken, turn off the product and unplug the power cord.
 - If you continue to use without taking proper measures, electrical shock or fire can occur. Contact the service center.
- 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.
- All the power sources must be disconnected by removing the power cables to remove all power from the unit.

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.

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 unauthorized components.



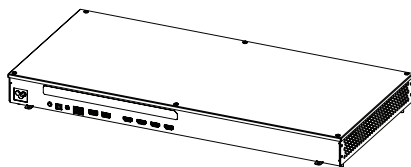
NOTE

- 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.

Essential Accessories

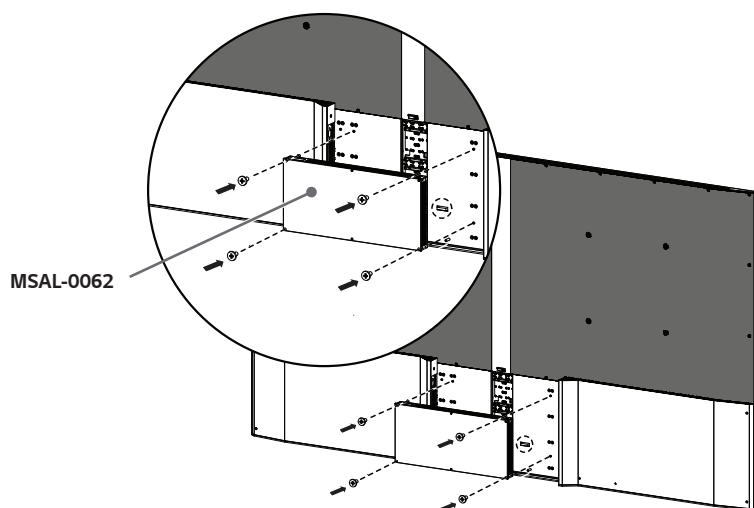
Essential accessories are subject to change or to be added without prior notices to improve the performance of the product. The images of the product in this manual are to aid comprehension and may differ from the actual appearance.

Media Box

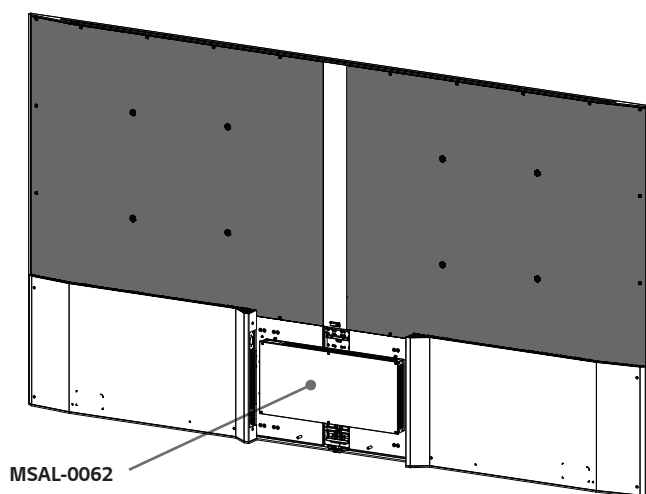


MSAL-0062

1



2

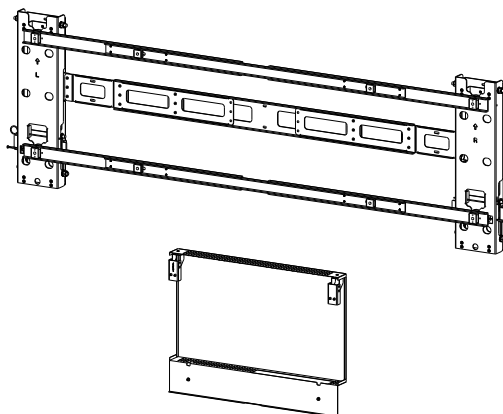
**! NOTE**

- Essential accessories are only available for some models. If necessary, please purchase them separately.

Optional Accessories

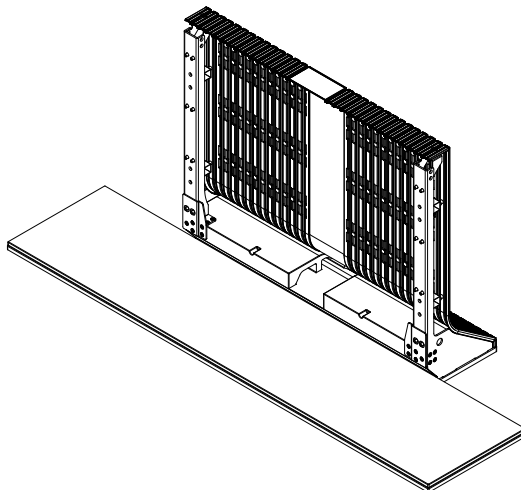
Without prior notice, optional accessories are subject to change to improve the performance of the product, and new accessories may be added. The illustrations in this manual may differ from the actual product and accessories.

Wall Mount



WM-L118R

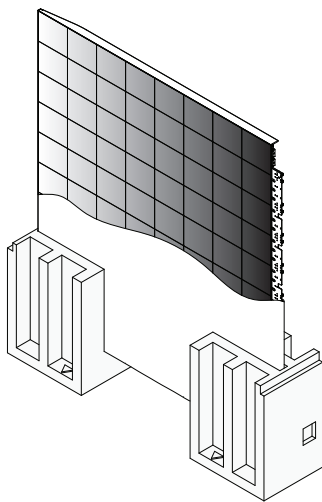
Stand



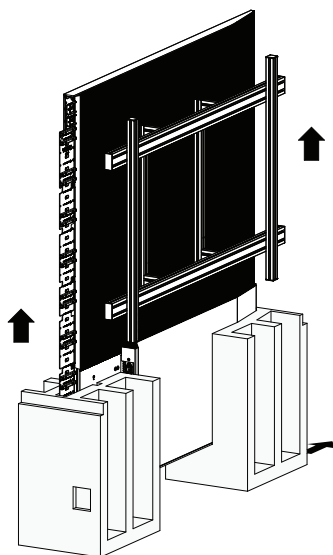
ST-1180R

Handling for Protecting LED Package Screen

- 1 When removing the package, be careful not to damage the front.

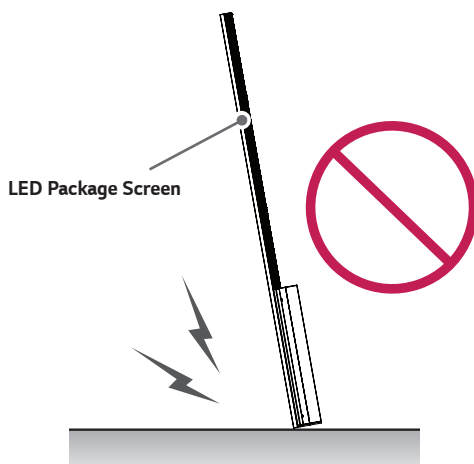


- 2 When taking out the product with a exclusive jig, be careful not to damage the front.

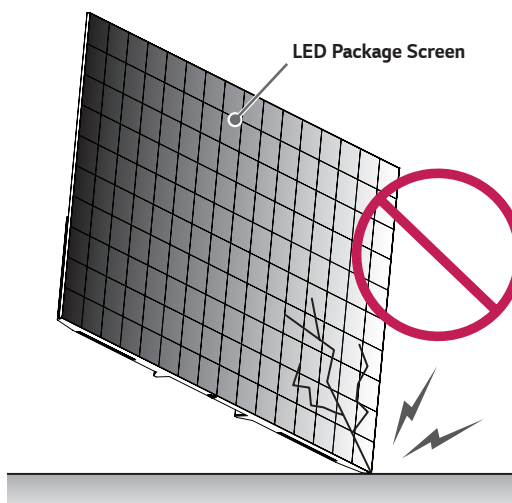


CAUTION

- 1 If the product is tilted towards the LED package screen, the bottom of the product may be damaged.



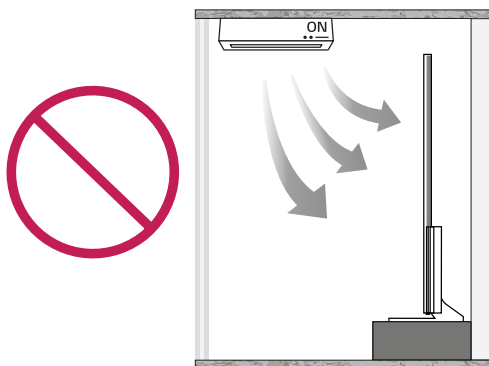
- 2 If the product is tilted towards the edge of the LED package screen, the bottom (corner) of the product may be damaged.



Installation Precautions Guide

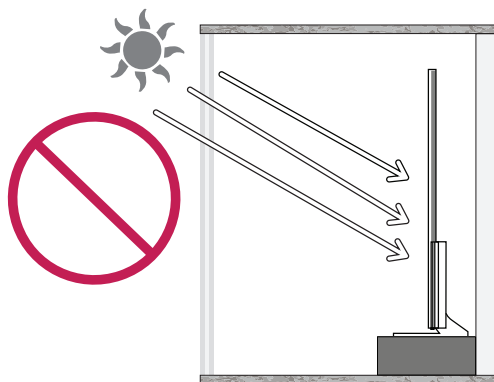
Temperature

- 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 (32 °F to 104 °F) (the recommended room temperature is below 25 °C (77 °F).)
- 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.



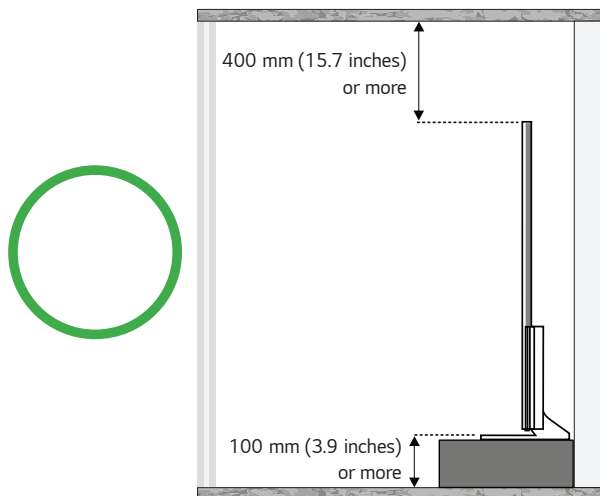
Direct Sunlight

- 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

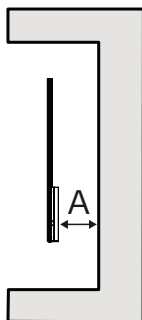
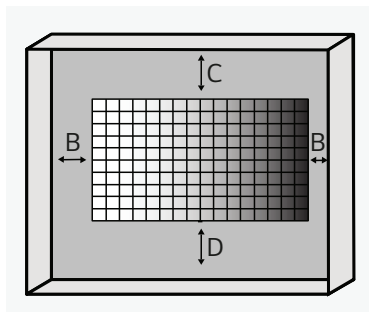
- Ensure the distance from the ceiling of the installation room to the product is at least 400 mm (15.7 inches).
 - The high temperature air collected at the ceiling will naturally circulate to prevent malfunction.
- Ensure the distance from the floor of the installation room to the product is at least 100 mm (3.9 inches).
 - The air from the floor will easily circulate to the ceiling to prevent malfunctions.



Installation Location

Installing on a Recessed Wall

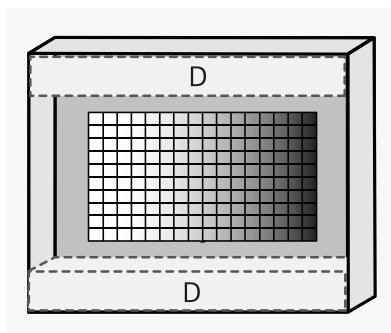
- After installation on a recessed wall, a bezel can be installed for interior purposes.



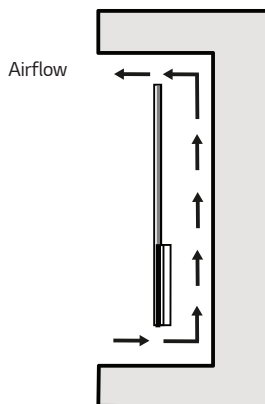
- A : 20 mm (0.7 inches) or more
- B : 50 mm (1.9 inches) or more
- C : 300 mm (11.8 inches) or more
- D : 50 mm (1.9 inches) or more

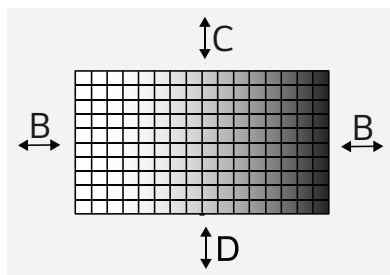
When Installing the Bezel

- Ensure it can be detached for product repair.
- For the top / bottom bezels, secure at least 60 % of the air vent to facilitate air circulation.
 - This will prevent malfunction.



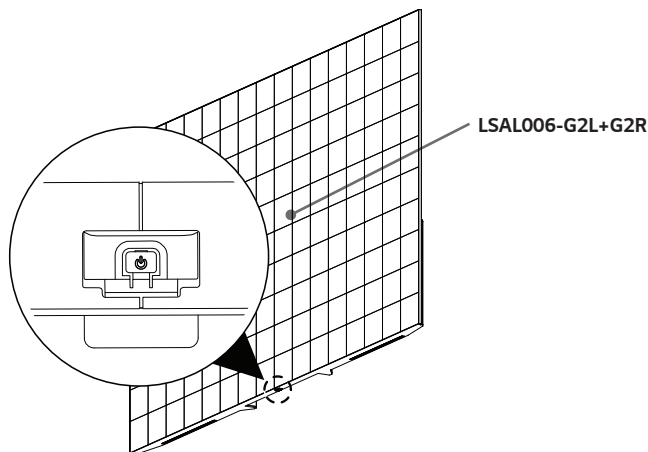
D : Air Vent
(60 % or more)



Installing on a Wall

- A : 20 mm (0.7 inches) or more
- B : 50 mm (1.9 inches) or more
- C : 300 mm (11.8 inches) or more
- D : 50 mm (1.9 inches) or more

Buttons and Terminal



You can simply operate the functions, using the button.

Basic functions



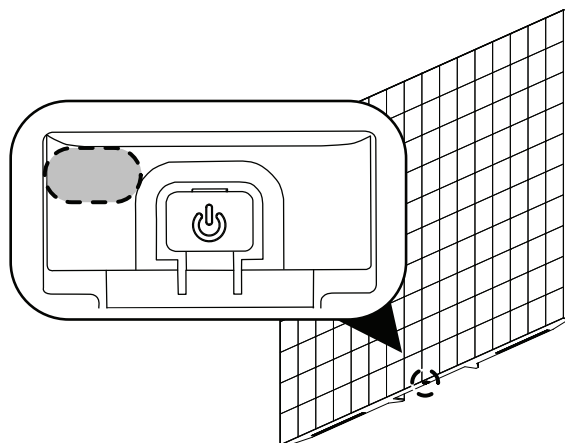
Power On (Press)
 Power Off¹⁾ (Press and Hold)
 Menu Control (Press²⁾)
 Menu Selection (Press and Hold³⁾)

- 1) All running apps will close.
- 2) You can access and adjust the menu by pressing the button when LED screen is on.
- 3) You can use the function when you access menu control.

Adjusting the menu

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

	Turns the power off.
	Changes the input source.
	Scrolls through the saved programmes.
	Adjusts the volume level.

IR & LIGHT SENSOR

IR signal input and illumination can be detected.

! NOTE

- For LSAL006-G2L the IR sensor is provided.
- For MSAL-0062 the remote control is provided.

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?
 - There is no connection between MSAL-0062 and the input source. Check the connection status of the LAN cable.
 - Access the Input menu to check the input source.
- Does the 'Invalid Mode' message appear?
 - Refer to the manual of MSAL-0062.

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

- Did you install the driver?
 - Refer to the manual of MSAL-0062.

The screen image looks abnormal.

- Is the screen position wrong?
 - Refer to the manual of MSAL-0062.
- 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 screen flickers or shakes.
 - Check if MSAL-0062 is powered off.

The display color is abnormal.

- Screen has poor color resolution (16 colors).
 - Refer to the manual of MSAL-0062.
- The screen color is unstable or looks black and white.
 - Refer to the manual of MSAL-0062.
- 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.
 - Refer to the manual of MSAL-0062.

! NOTE

- Without prior notice, the software is subject to change to improve the functionality of the product.
- The above items are only applicable to the LSAL006-G2L, G2R model. Please read "TROUBLESHOOTING" in the manual of MSAL-0062.

PRODUCT SPECIFICATIONS

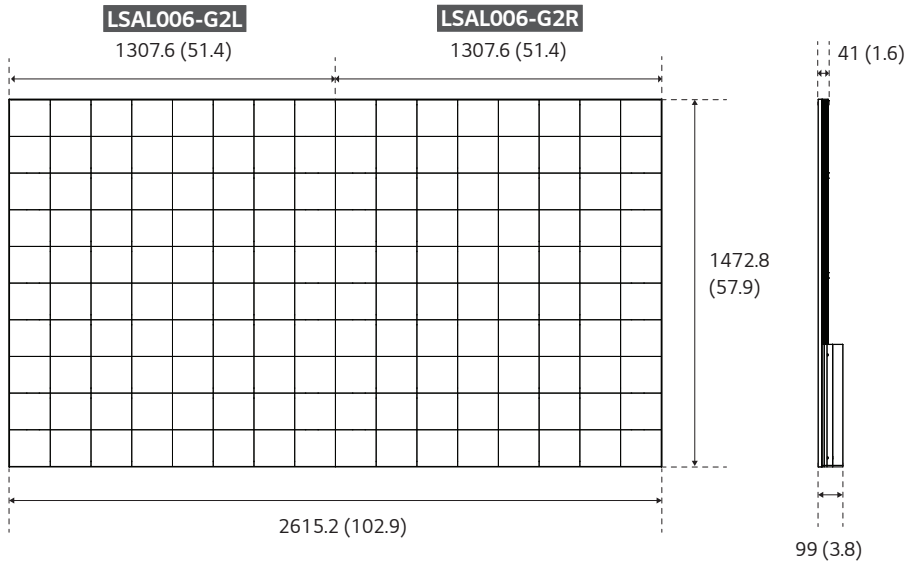
Without prior notice, the product specifications are subject to change to enhance the functionality of the product.

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

LSAL006-G2L / LSAL006-G2R

Pixel pitch (distance between pixels)	0.68 mm		
Resolution	1,920 x 2,160		
Pixel density	2,162,630 pixels/m ²		
Number of pixels per screen	4,147,200 pixels		
Number of color output bits	Internal 20 bit		
Number of expressible colors	4.398 x 10 ¹²		
Color temperature (K)	4,800 - 9,300 K		
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)		
Operating Humidity	10 % to 80 %		
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)		
Storage Humidity	5 % to 85 %		
Manufactured in	Republic of Korea		
Input/ Output ports	LSAL006-G2L	IR & LIGHT SENSOR	
	LSAL006-G2R	Not Applied	
Luminance	Max 250 nit		
Power Rating	LSAL006-G2L	Input	100-240 V~ 50/60 Hz 6.0 A
	LSAL006-G2R	Output	19 V  2.5 A
Dimensions (Width x Height x Depth) / Weight	LSAL006-G2L	1307.6 mm x 1472.8 mm x 99 mm / 66 kg (51.4 inches x 57.9 inches x 3.8 inches / 145.5 lbs)	
	LSAL006-G2R	1307.6 mm x 1472.8 mm x 99 mm / 63 kg (51.4 inches x 57.9 inches x 3.8 inches / 138.8 lbs)	

[Unit: mm (inches)]





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.

Supplier's Declaration of Conformity

Trade Name	LG
Responsible Party	LG Electronics USA, Inc.
Address	111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632
E-mail	lg.environmental@lge.com

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