

OWNER'S MANUAL

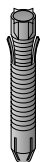
Wall Mounting Bracket

Please read this manual carefully before operating your set and retain it for future reference.

LSW440B



COMPONENT



Wall mount anchor
6 units



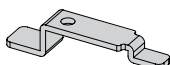
Wall mount screw
10 units



User manual



Set protection cushion
4 units



Safety clip
2 units



Safety clip screw 2 units
(M4 X 12 mm)



Guide spacer 4 units



Guide space screw 4 units
(M6 X 45 mm)



IMPORTANT SAFETY INSTRUCTIONS

- If you are a professional installer, please read this manual carefully before installing the product.
- If you are a professional installer, please give this manual to the user after installing the product and ensure that the user also reads the manual carefully and retains it for future reference.

After reading the manual, please keep it handy for future reference.



Warning

This wall mount should be installed by a trained and experienced installer designated by the retailer.

Having the product installed by a non-specialized installer is very dangerous and can cause damage or injury.

Use a trained and experienced installer to move or replace the wall mount, if needed.

Installation requires special techniques and moving or installing the product on your own can cause serious safety issues.

When installing the wall mount, never hang the power or signal cable on the rear side the TV.

The cord can be damaged and cause a fire, an electric shock or damage to the product.

Do not install the product where the weight cannot be supported.

If the strength of the location where the wall mount is installed is not strong enough, it can fall off and cause an injury.

After installing the wall mount, do not hang on the product or apply severe impact to the product.

The product can fall off and cause injury.



Caution

Install the product according to the directions in the user manual.

If the product is not installed based on the directions in the user manual, it can cause a serious injury or damage to the product.

During the installation, check the type of wall material and use the sealed anchor and screw if the conditions comply.

If you do not use the designated anchor or screw, the mount may not be able to withstand the weight of the product and cause a safety issue.

Do not wipe the product with a wet towel and do not use any heater or humidifier below where the product is installed.

If water flows into the product or if moisture and heat are applied to the product, it can cause a fire, an electric shock or problem to the product.

Unplug the power cord from the power outlet before installing the product.

If you install the product with the power cord plugged, it can cause an electric shock or a fire.

Do not allow the video connectors connected to the display to press against the wall. Use the included right-angle adapters if needed. Only use attachments/accessories specified by the manufacturer.

When installing the product or adjusting the height of the product after installing, always do so with 2 people.

Working alone can cause the product to fall off and result in injury or damage to the product.

When drilling holes in the wall, always use a drill bit and drill of designated diameter. Also follow the designated directions for the depth of the hole.

If the product is installed without following the designated method, the product may be unstable and cause a safety issue.

Do not install the product near any object that may cause vibration.

Do not install the product near any high voltage power cable or power source.

Do not install the product with bare hands. Always wear proper work gloves.

It can cause an injury.



BEFORE INSTALLATION

- * Do not use the product for purposes other than mounting a display on the wall.
- * When installing/using the wall mount, be cautious of product damage and avoid accidents.
- * If you have not fully read and understood the installation manual, do not install the product and contact the dealer to have a specialized installer install the product for you.
- * Even if you are not a specialized installer, it is advantageous to have experience in mechanical or construction field in completely understanding this manual and installing the product.
- * This product is designed to be mounted to walls that use standard intervals between the studs.
- * When installing the wall mount on a concrete wall or on any other wall capable of holding the strength specified in the manual, you can detach the standard gap bracket for stud wall mounting and then follow the instructions for attaching the wall mount to make the installation easier.
- * Install the screw to attach the wall mount so that it can be assembled at the center from both ends of the studs. Use of stud finder, a separate device, is recommended.
- * Install the product only on a vertical wall.
The manufacturer is not responsible for issue from installing the product on severely wall or on the ceiling.
- * Check that the accessories provided with the product are all included before installing. LG Electronics is not liable for any damage or loss of accessories after the package has been opened.
- * Keep the included accessories out of reach of babies or children as it can cause safety issues including suffocation from swallowing the parts.
- * Make sure screws are tight against the wall, but do not overtighten.
- * Be careful not to install a TV that exceeds the weight restrictions of the wall mount.
- * Be careful with the tools used during installation to prevent accidents or damage.

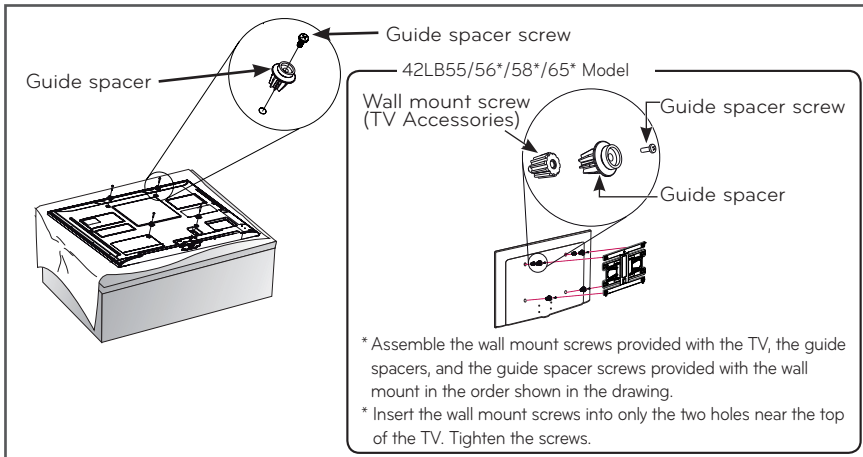


INSTALLATION METHOD

- Tools you will need - Phillips head + driver (manual or motorized) / 8 mm socket wrench / Level / Stud finder / Drill.
- You may also need an Ø 4 mm drill bit for wood (or steel) or an Ø 8 mm drill bit for concrete.
- The actual product may differ from the picture.

1 Fixating the mounting bracket on the TV

- If the screw will not fully tighten when using a guide spacer, recheck the assembly depth of the screw and refer to the technical service manual.



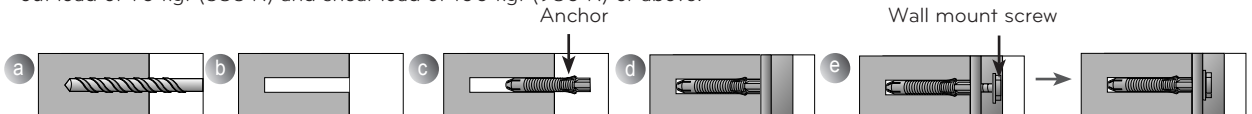
<Work procedure>

1. Check to see if the display has screws installed into the mounting holes. If so, remove those.
2. Assemble the guide spacer and the guide spacer screw in order as shown in the picture.
 - Assemble the guide spacer to the set by tightening the screw.
 - Tighten the screw until the set, guide spacer and the screw are fully pressing against one another.
 - Use the "+" driver (Manual or motorized) when tightening the screw.

2 How to attach to masonry walls

Please follow the below direction.

- Check the material and thickness of the wall.
- Use the anchors for wall material of concrete, light concrete, strong natural stone, soft natural stone masonry brick and hollow block that do not crack.
- When installing the product on a wooden wall, refer to page 5.
- When installing the product on wall material not designated, install the product so that each fixated location can withstand a pull out load of 70 kgf (686 N) and shear load of 100 kgf (980 N) or above.

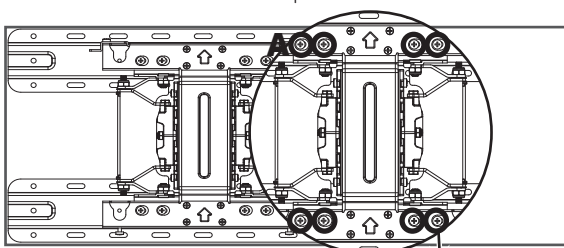


- Use the Ø 8 mm drill bit for concrete and hammer (Impact) drill.
- a. Use a drill bit Ø 8 mm to drill a hole for the anchor location within a depth of 80 mm to 100 mm
- b. Clean the drilled hole.
- c. Insert the sealed anchor to the hole. (When inserting the anchor, use a hammer.)
- d. Set the wall mount on the wall by aligning to the location of the hole. and, set the angle adjusting part to face upward.
- e. Align the wall mount bolt to the hole and tighten it. Then, fasten the bolts at torque of 45 kgf/cm to 60 kgf/cm.

3 How to install the wall mount

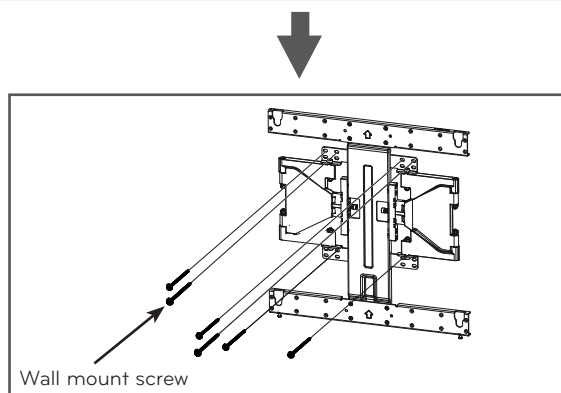
<When installing on a masonry wall>

- When you separate the 8 screws on the wall mount connected to the wall bracket for use with a wooden wall, it is much easier to install the product.



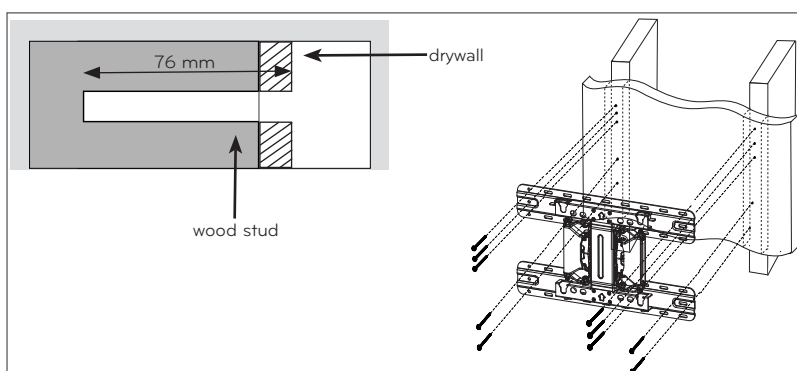
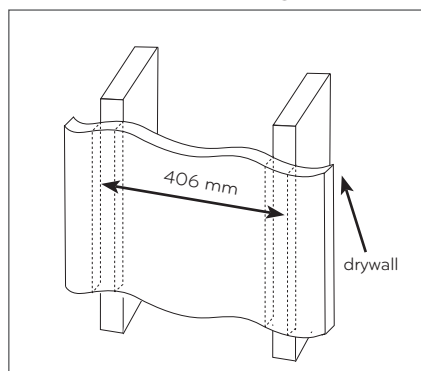
- When installing the product on a masonry wall, turn the 8 screws on the A part counterclockwise to separate the screw and bracket.
- After aligning the wall bracket to the location to install, mark the part to screw on the wall and then remove the wall bracket.
- Use a level to check whether the wall mount is level.

Separate the wall mount screw.



- If the screw cannot be assembled in the designated location inevitably, it can be assembled by rearranging to the closest location. But, do not change 2 or more locations from the designated spot.
- Assemble the wall mount screw on 2 left and 2 right location on the top part and 1 left and 1 right location on the bottom part.
- At this time, use a "+" driver (Manual or motorized) or 8 mm wrench to tighten the screw so that the wall, wall bracket and screw are completely pressed against one another.

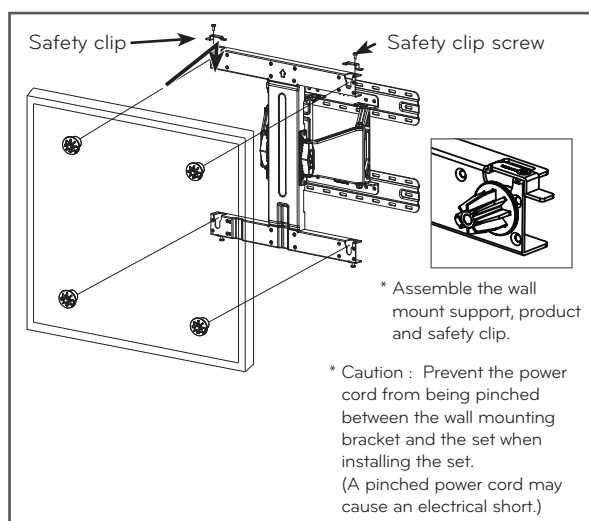
<When mounting to wooden studs>



- a. Locate and mark the centers of the wall studs using a stud finder.
 - b. After aligning the wall bracket on the wall where the center of the wood stud is marked, mark the location of the screws and then remove the wall bracket.
 - c. Use a level to make sure your screw marks are level.
 - d. Use the $\varnothing 4$ mm drill bit for wood to drill holes with the depth of 76 mm or above where the wall mount screw location is marked on the wall.
 - e. Clean the drilled hole.
 - f. Tighten the wall mount screws for the wall bracket on the drilled hole.
- At this time, tighten the screw so that the wall, wall bracket and the wall mount screw are pressed against one another.
(Drywall can be damaged when tightened with excessive force, please be careful.)
- When tightening the screw use the "+" driver (Manual or motorized) or 8 mm wrench.

4 How to assemble the wall mount support and display

- Always install the display with 2 or more people.

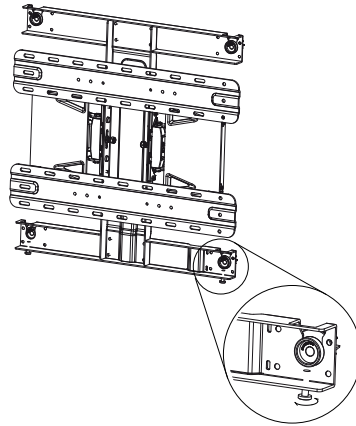


1. Set the display with the guide spacer assembled on the wall mount bracket on the wall in arrow direction. At this time, align the bottom assembly part and lift the set up lightly to align the top part.
 2. When adjusting the location, assemble the provide safety clip as shown in the picture to prevent the product from moving. Tighten the safety clip screw completely. If the safety clip is not tightened as shown in the picture, the product can fall off.
- Pull on the bottom of the set to make sure the display is secure.
- When fixing the product with the speaker to the wall, hold and lift up the product, not the speaker.
- When installing a display rotated, only rotate the display 90 degrees (portrait mode).
- Make sure to keep a certain level of distance from the wall so that excessive force is not applied on the cable or accessory.
- When you push the product with excessive force, the product can be damaged.

5

How to level the Display

- After installing the display, check to make sure it is level.
(The wall mount has two screws that make minor adjustments to the level.)

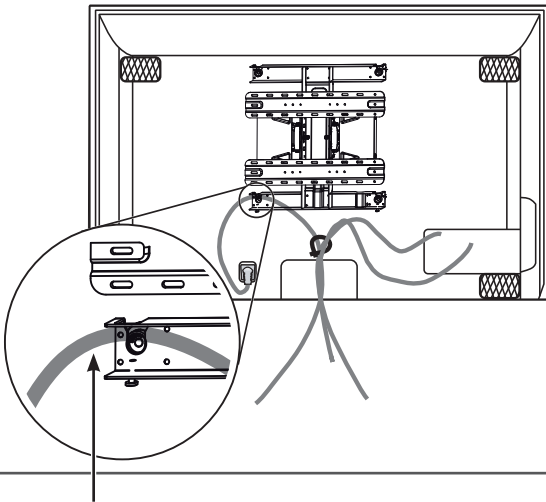


± 10 mm (Leveling)

6

Cable arrangement and set protection cushion

- Arrange the cables as shown in the picture. Use some type of cable banding device to hold all the cables together.
- Attach the set protection cushion to mitigate the impact between the wall and the set when adjusting the angle. Attach the set protection cushion as shown in the picture.



Avoid crushing the power cord and the cables between the wall mount and the wall.



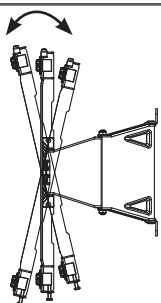
PRODUCT SPECIFICATION

<With the bracket removed.>

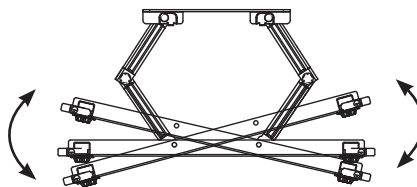
Model Name	LSW440B
Width (mm)	440
Height (mm)	450
Depth (mm)	14
Weight (kg)	3.5
Weight with packing (kg)	4.7
Wall Mount VESA Specification	400 X 400
Max.UL Load Capacity (kg)	50

<With the bracket attached.>

Model Name	LSW440B
Width (mm)	460
Height (mm)	450
Depth (mm)	20
Weight (kg)	5.2
Weight with packing (kg)	6.4
Wall Mount VESA Specification	400 X 400
Max.UL Load Capacity (kg)	50



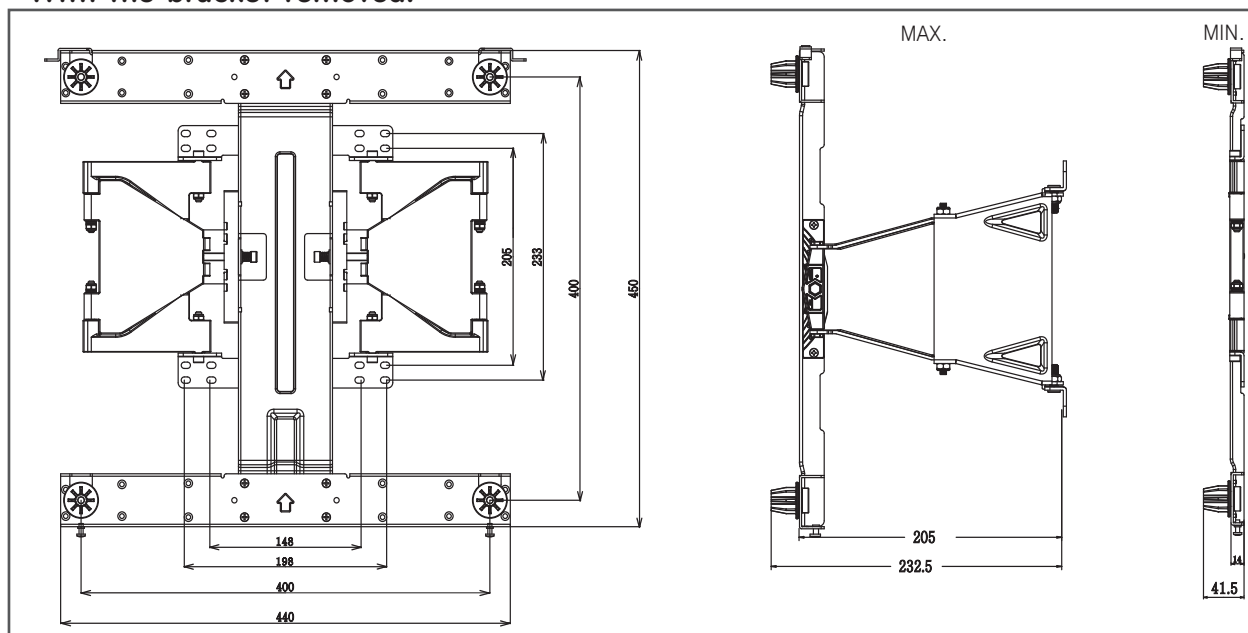
$12 \pm 2^\circ$



$15 \pm 2^\circ$

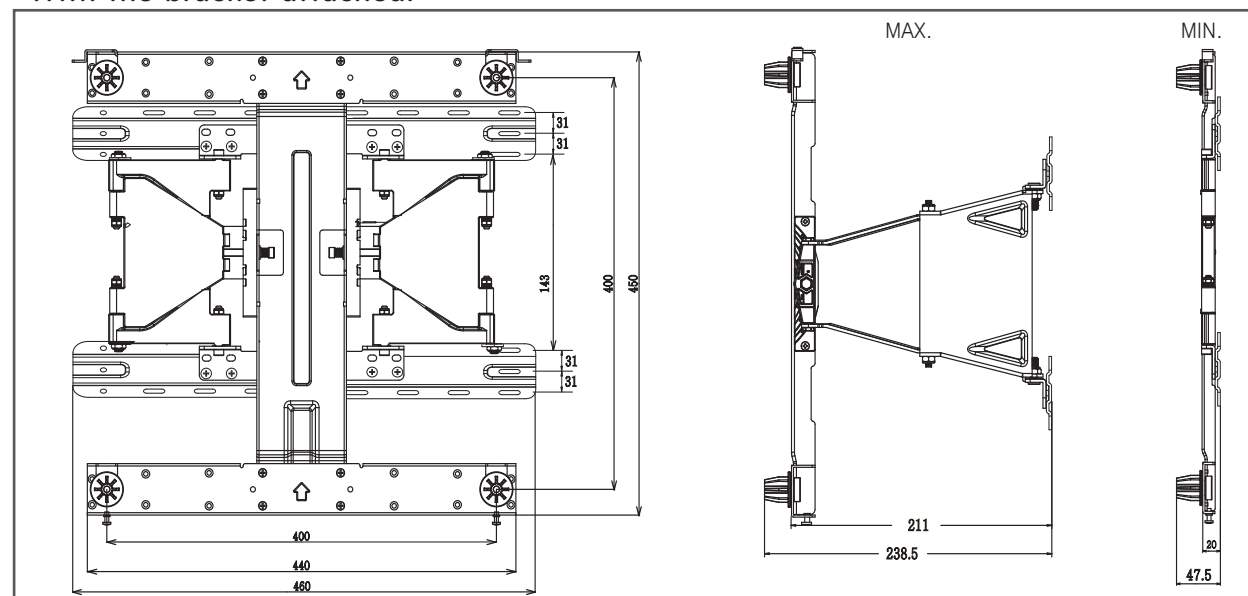
<With the bracket removed.>

[Unit : mm]



<With the bracket attached.>

[Unit : mm]





The model and serial number of the product is located on the back or one side of the product. Record it below should you ever need service.

MODEL _____

SERIAL _____

Supported Displays

(Please contact the retailers or refer to the TV owner's manual for applicable models.)