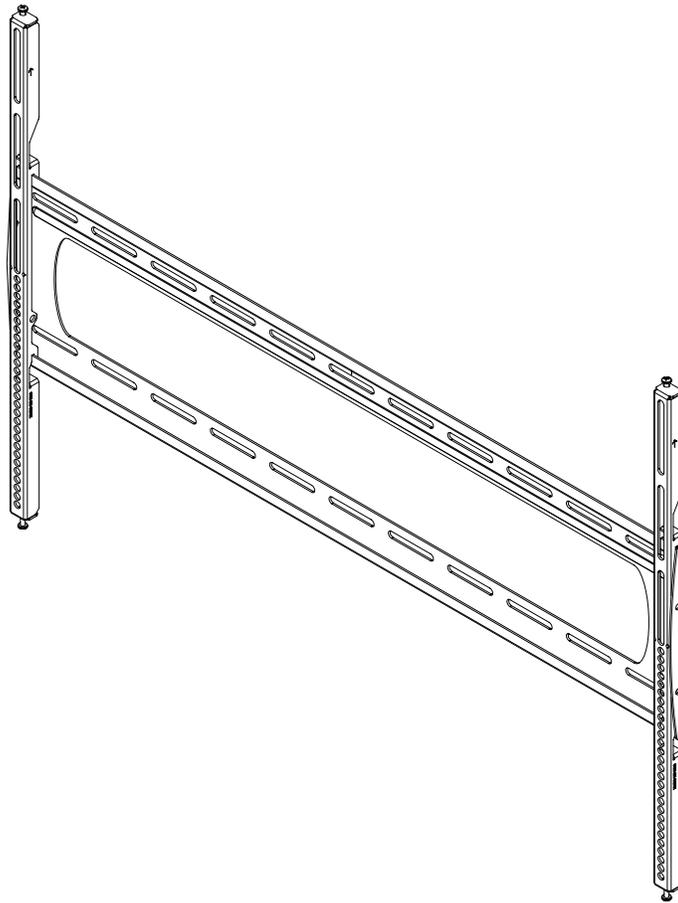




Planar FWMG-MXL INSTALLATION INSTRUCTIONS



Fixed Wall Mount for Ultra Large Displays 50" - 98" weighing less than 300 lbs.

Part Number: 955-0217-00

Planar Systems, Inc.
1195 NE Compton Drive
Hillsboro, OR 97006
(866) 475-2627
www.planar.com

Weight Limit

Maximum Flat Panel Weight: **300 lbs.**

THE WALL STRUCTURE MUST BE CAPABLE OF SUPPORTING AT LEAST FOUR TIMES THE WEIGHT OF THE FLAT PANEL. IF NOT, THE WALL STRUCTURE MUST BE REINFORCED.

Warning Statements



PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS MUST BE READ AND COMPLETELY UNDERSTOOD. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.



PROPER INSTALLATION PROCEDURE BY A QUALIFIED SERVICE TECHNICIAN MUST BE FOLLOWED, AS OUTLINED IN THESE INSTALLATION INSTRUCTIONS. FAILURE TO DO SO COULD RESULT IN PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR EVEN DEATH.



SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE ASSEMBLY OF THIS PRODUCT. USE PROPER SAFETY EQUIPMENT AND TOOLS FOR THE ASSEMBLY PROCEDURE TO PREVENT PERSONAL INJURY.



PLANAR INTERNATIONAL DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PLANAR PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS.



At least two qualified people should perform the assembly procedure. Personal injury and/or property damage can result from dropping or mishandling the flat panel.



If mounting to wall studs or ceiling studs, make sure that the mounting screws are anchored into the center of the wall studs or ceiling studs. Use of an edge-to-edge stud finder is recommended.



It is recommended that a maximum of 5/8" plaster board be used when mounting to wooden studs.



Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in wall. Cutting or drilling into an electrical line may cause serious personal injury.



Make sure there are no water or natural gas lines inside the wall where the mount is to be located. Cutting or drilling into a water or gas line may cause severe property damage or personal injury.

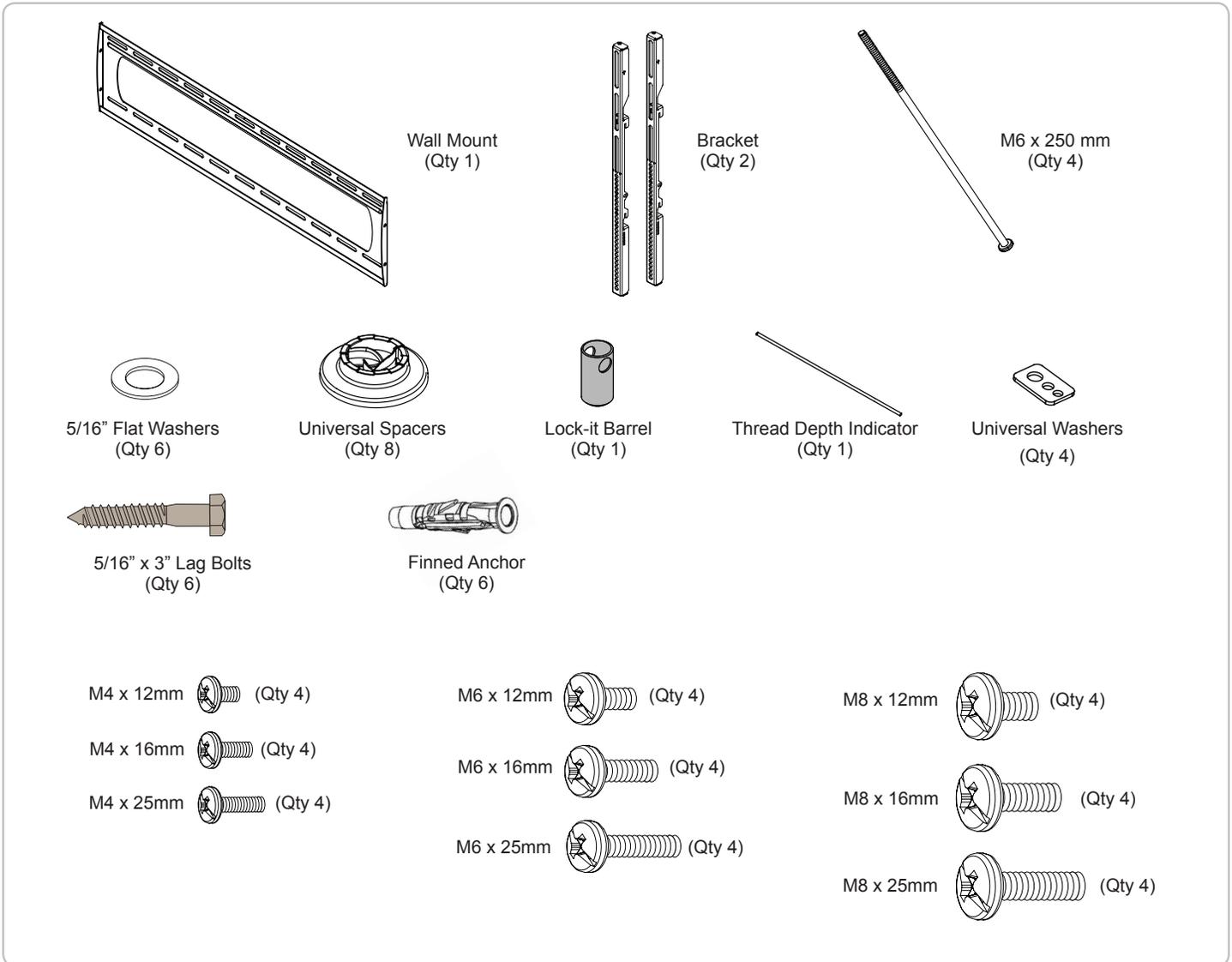


This product is intended for indoor use only. Use of this product outdoors could lead to product failure and/or serious personal injury.

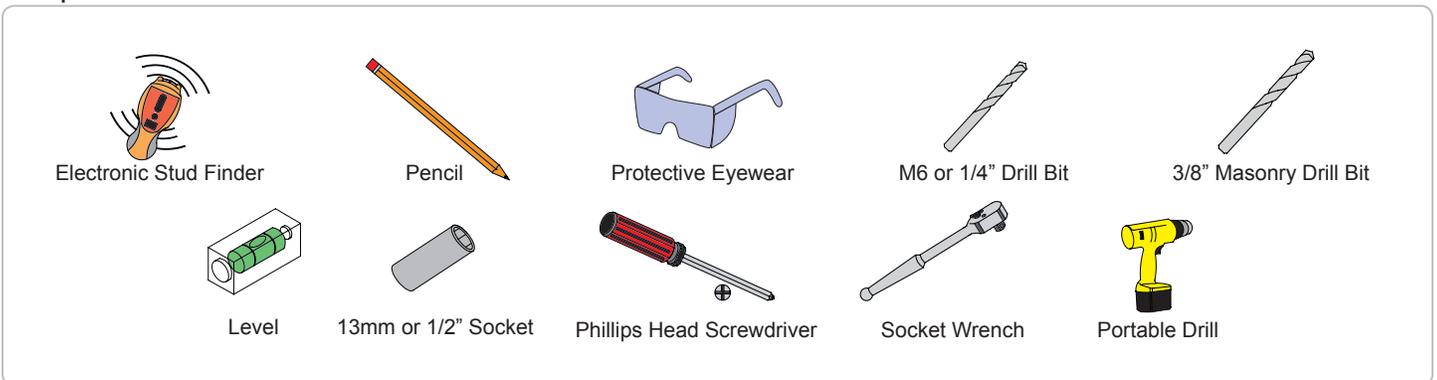


Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.

Included Components



Required for installation

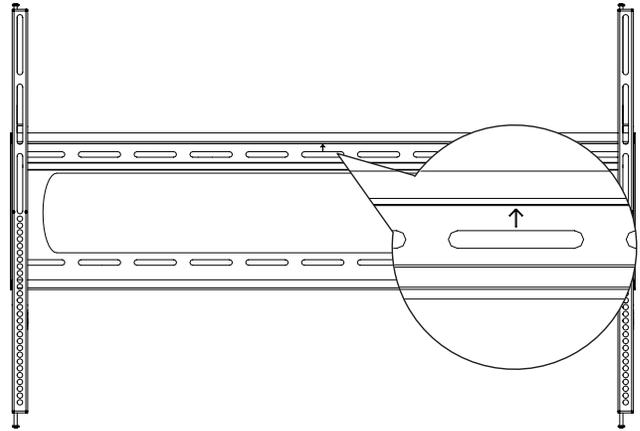


Introduction



Directional Mounting Arrow

The Directional Mounting Arrow stamped into the top of the wall mount indicates which edge is the top.



Wood Stud Installation

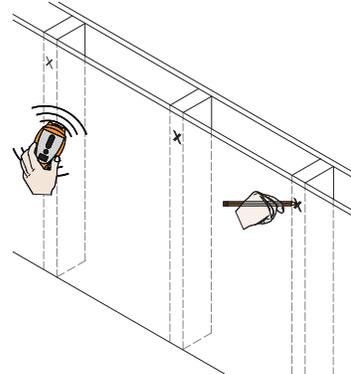
1

Minimum of 2 by 4 wood stud to be used

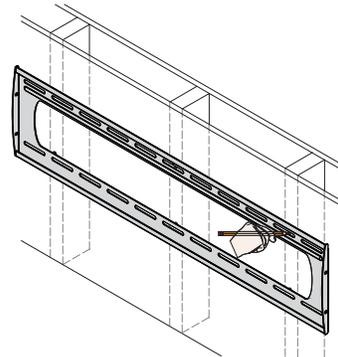


You must secure the wall plate to three (3) wall studs with a minimum of six (6) lag bolts (2 lag bolts for each stud found).

- 1) Use a stud finder to determine the center of wall studs in the vicinity of the wall plate.
- 2) Use a pencil to mark the center of each of the wall studs.

**2**

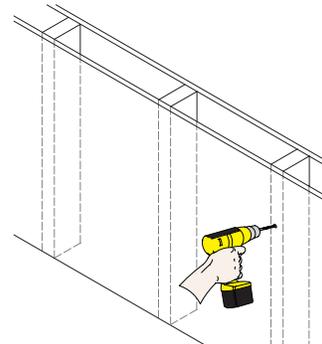
- 1) Place the wall plate against the wall in the desired viewing location.
- 2) Use a pencil to mark the upper right mounting location along the center of the wall stud.

**3**

Drill a "pilot hole" in the center of the upper right mark using a 1/4" drill bit and power drill.



Only use a 1/4" drill bit when drilling the pilot holes.

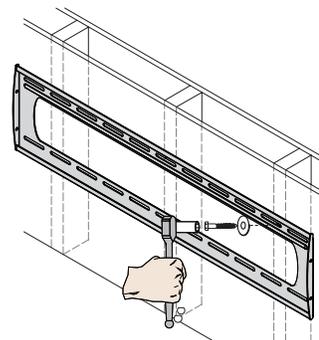


4

- 1) Place the wall plate against the wall and align it with the pilot hole.
- 2) Insert one (1) 5/16" x 3" lag bolt and one (1) 5/16" washer into the up per right mounting hole and tighten using a socket wrench and 1/2" socket.

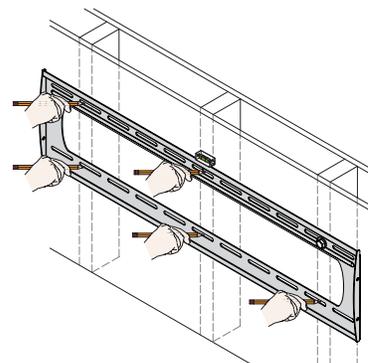


Do not over tighten the lag bolt.



5

- 1) Level the wall plate.
- 2) Use a pencil to mark the remaining five (5) mounting locations along the center of each wall stud.



6

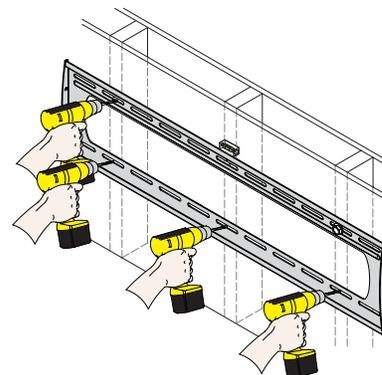


Two people are recommended for this step; one person to level the wall plate and another person to drill the pilot holes.

Drill a "pilot hole" in the center of each of the marks with a power drill and a 1/4" drill bit.



Only use 1/4" drill bit when drilling the pilot holes.

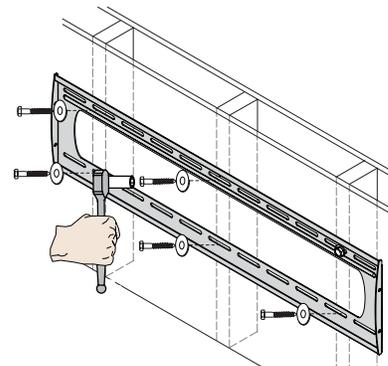


7

- 1) Insert one (1) 5/16" x 3" lag bolt and one (1) 5/16" washer into each pilot hole.
- 2) Tighten all lag bolts using a socket wrench and 1/2" socket.

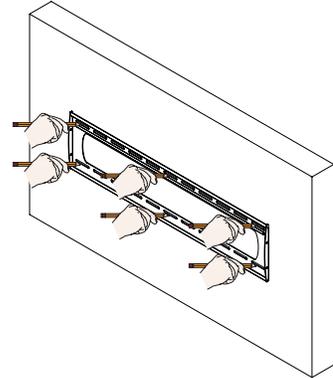


Do not over tighten the lag bolts when attaching the mount to the wall. Improper installation may result in personal injury or property damage.



Concrete Installation**8**

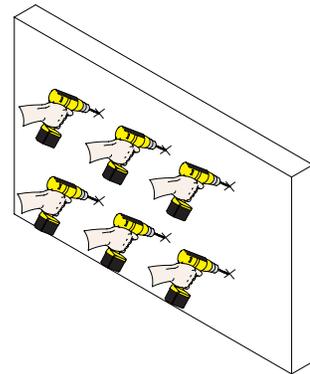
Two people are recommended for this step: one person to level the wall plate and another person to mark the mounting locations.

**9**

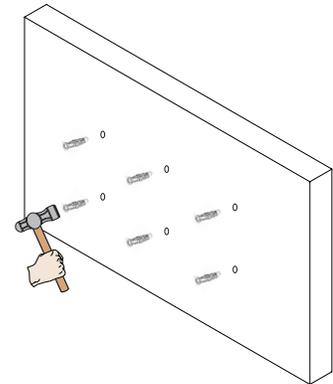
- 1) Drill six (6) pilot holes of each mark using a drill and 3/8" masonry drill bit.
- 2) Drill 3 inches deep.



Only use a 3/8" masonry drill bit when drilling pilot holes.

**10**

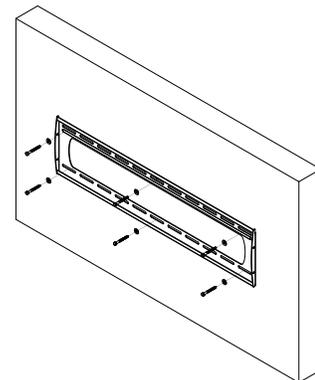
- 1) Insert the Finned Anchors into each pilot hole.
- 2) Lightly tap each Finned Anchors into place with a hammer.

**11**

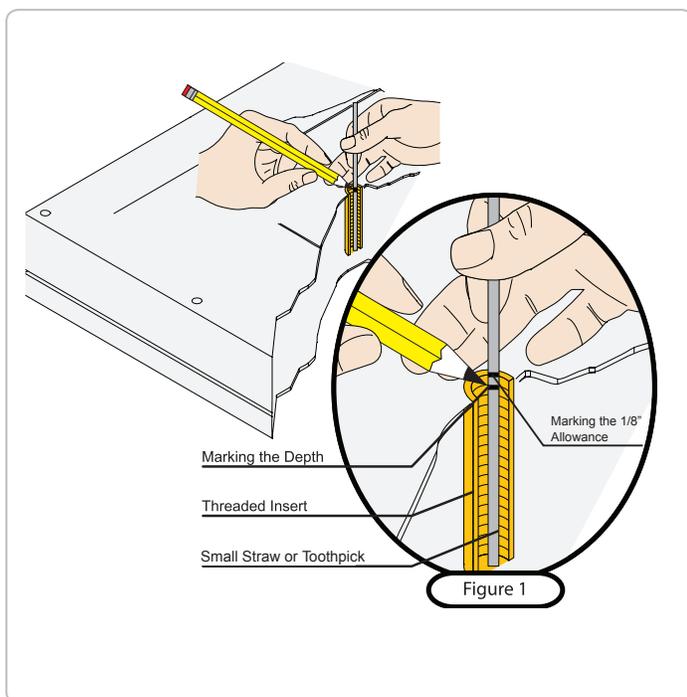
- 1) Insert one (1) 5/16" x 3" Lag Bolt and one (1) 5/16" washer into each pilot hole.
- 2) Tighten all lag bolts using a socket wrench and 1/2" socket.



Do not over tighten the lag bolts when attaching the mount to the wall. Improper installation may result in personal injury or property



Selecting the Mounting Hardware

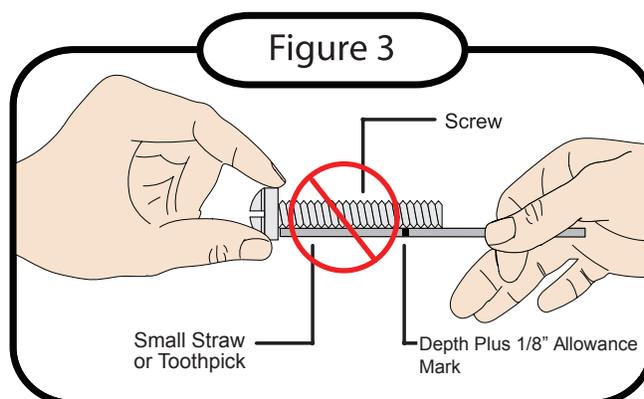
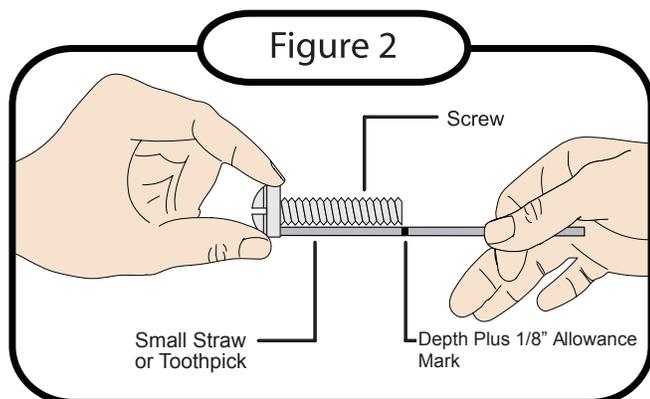


- 1) Insert a small straw or toothpick into the threaded inserts found on the back of the flat-panel.
- 2) Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.
- 3) Mark the straw or toothpick 1/8" above the depth of the threaded insert, as shown in Figure 1.
- 4) Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's 1/8" allowance mark.
- 5) Locate the correct diameter screw for the threaded insert.



If the screw you selected is longer than the 1/8" allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

- 6) Test each size of the screws provided.
The correct screws should thread easily into the mounting point and not pull out when tension is applied.



Universal Washer Installation

Universal Washers are designed to accommodate the various M4, M6, and M8 hole sizes required by flat panels.

 Do not place excessive pressure on the back of the flat panel, as this may damage your flat panel.

 The Universal Washer must be installed between the head of the mounting screw and the mounting bracket as shown.

 Does your flat panel have:

- Recessed mount points?
- Uneven mount points?
- A curved back?
- Any obstruction near the mount point?

If **Yes**, you must install Universal Spacers. Remove the mounting brackets, Universal Washers, and mounting screws from the back of the flat panel. Proceed to the **“Universal Spacer Installation”** section.

If **No**, skip to the **“Locking and Leveling Screw Installation”** section.

Universal Spacer Installation

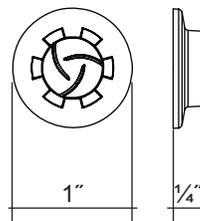
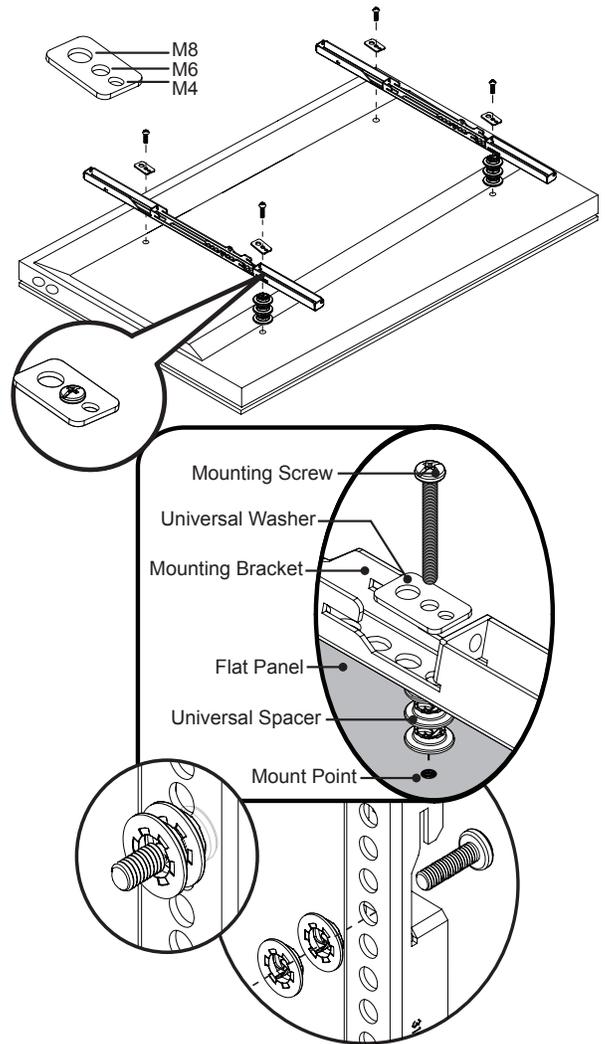
Universal Spacers allow you to attach the mounting bracket to flat panels which have recessed or uneven mount points. Each Universal Spacer adds 1/4” to the distance between the mounting bracket and your flat panel.

 The Universal Spacers must be stacked and oriented as shown.

 The Universal Spacers must only be installed between the mounting bracket and your flat panel.

The Universal Spacers will fit M4, M6, and M8 screw sizes.

Proceed to the **“Locking and Leveling Screw Installation”** section.



Locking and Leveling Screw Installation

Leveling Screw Installation



You must install the leveling screws before you attach the mounting bracket to the back of the flat panel. The leveling screws consists of two (2) M6 x 250mm screws.

Thread one (1) leveling screw into the top mounting hole on each of the mounting brackets. Make sure the leveling screw is securely threaded into the



Do not thread the leveling screw any further once it is even with the mounting tab. Threading the leveling screw any further will prevent you from safely attaching the flat panel to the wall plate.

Locking Screw Installation

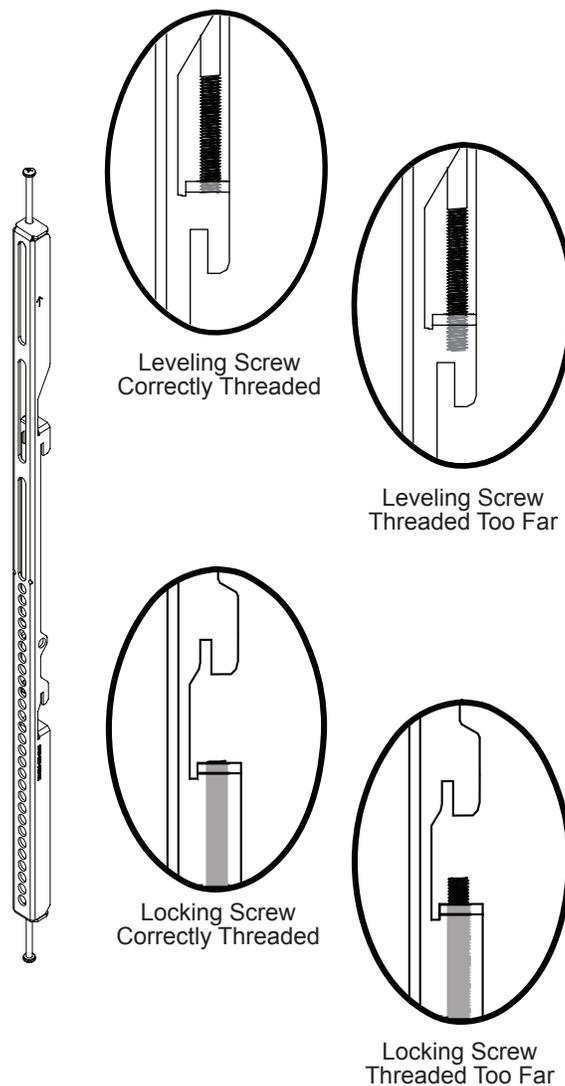


You must install the locking screw before you attach the mounting bracket to the back of the flat panel. The locking screws consists two (2) M6 X 250mm screws.

Thread one (1) locking screw into the bottom mounting hole on each of the mounting brackets. Make sure the locking screw is securely threaded into the



Do not thread the locking screw any further once it is even with the mounting tab. Threading the locking screw any further will prevent you



Lock-it™ Security Barrel Installation (Optional)



Optional security configurations include:

- PCB-CSL1 (sold separately)
- Padlock (Combination or Keyed; commercially available)

Please read the following directions to install the security barrel:

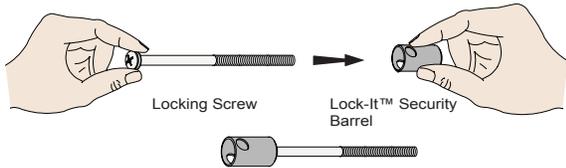
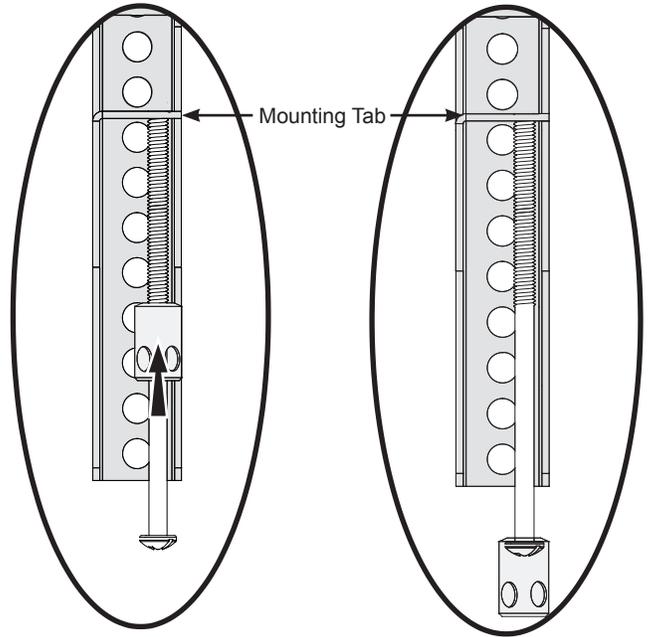
- 1) Remove the locking screw from the mounting bracket.
- 2) Place the locking screw into and through the security barrel (see illustration below).
- 3) Re-insert the locking screw and security barrel into the mounting bracket.
- 4) Tighten the locking screw and security barrel until seated in the mounting tab.



Do not thread the locking screw any further once it is even with the mounting tab (see illustration to the right). Threading the locking screw any further will prevent you from safely attaching the flat panel to the wall plate.



Do not over tighten the locking screw.



Attaching the Mounting Bracket to the Flat Panel

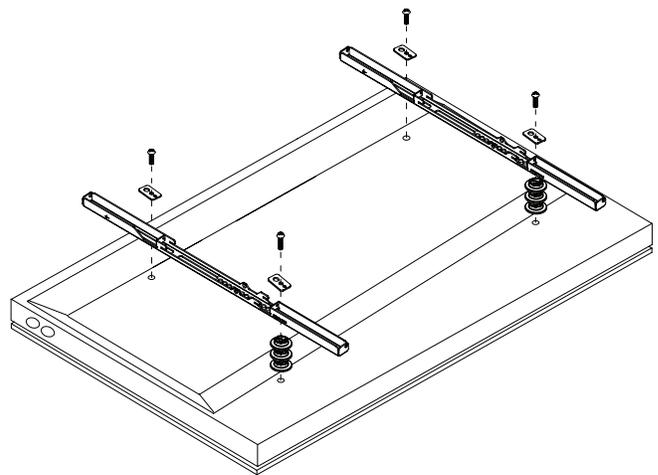
This section presumes that you have read and understood these sections:

- Selecting the Proper Mounting Hardware
- Universal Washer Installation
- Universal Spacer Installation

- 1) Place your flat panel screen-side down on a soft, flat surface.
- 2) Identify the number and location of the thread inserts on the back of your flat panel.
- 3) Aligning the holes on each mounting bracket with the thread inserts on the back of our flat panel.
- 4) Secure each mounting bracket to your flat panel by inserting a minimum of two (2) screw per bracket.



Do not over tighten the mounting hardware.



Attaching the Flat Panel to the Wall Plate

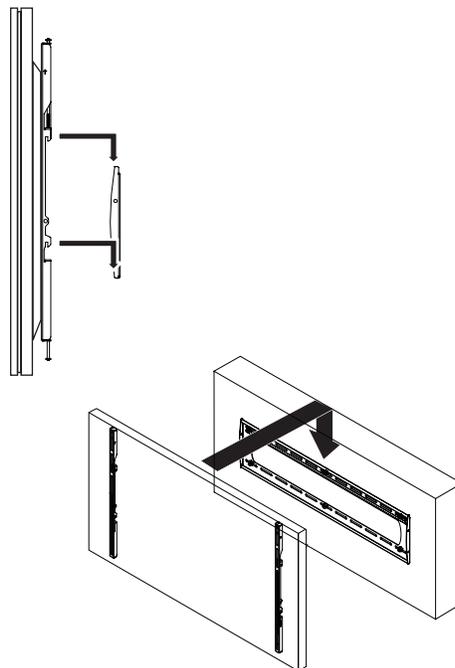


This section requires two people.



Do not release your flat panel until you are certain that top and bottom hooks of both mounting brackets are securely seated on the upper and lower mounting rails of the wall panel.

- 1) Raise the flat panel past the top and bottom mounting rails on the wall panel.
- 2) Slide the flat panel down slowly, keeping it close to the wall.
- 3) Engage the top and bottom mounting brackets to the rails of the wall plate.



Mounting Bracket Adjustment

Leveling Screw Adjustment

If your flat panel is tilted too far to one side, the leveling screws will allow you to compensate for this tilt by simply adjusting the screws with a screwdriver.

- 1) Loosen both locking screws.
- 2) Adjust the tilt of your flat panel.
- 3) Tighten both locking screws.



Caution!

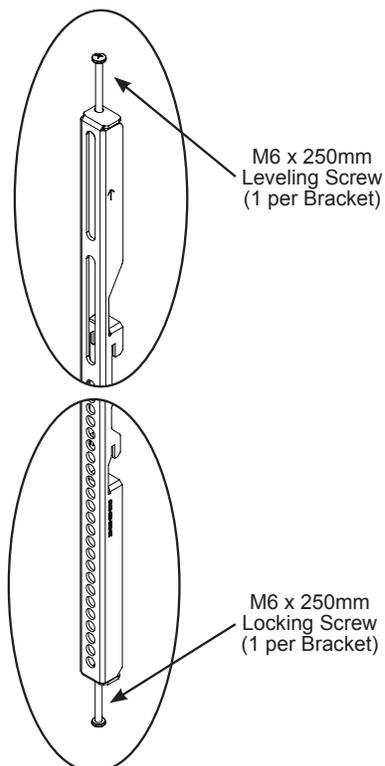
It is possible to dislodge your flat panel while you level your flat panel. Use extreme caution until you tighten the locking screws.

Locking Screw Adjustment

After you have finished leveling your flat panel, be sure to tighten the two (2) M6 x 250mm locking screws, one on each mounting bracket.



Do not over tighten the locking screws.



Utilizing the Security Barrel

Your Mount includes one (1) Security Barrel which can provide additional theft deterrence for your flat panel.

PCB-CSL1 Security Cable

- 1) Thread the cable through the hole on the security barrel.
- 2) Attach the PCB-CSL1 locking mechanism and secure it using the supplied key.

Padlock

- 1) Place the locking hook through the hole of the security barrel.
- 2) Snap lock and locking hook together.

