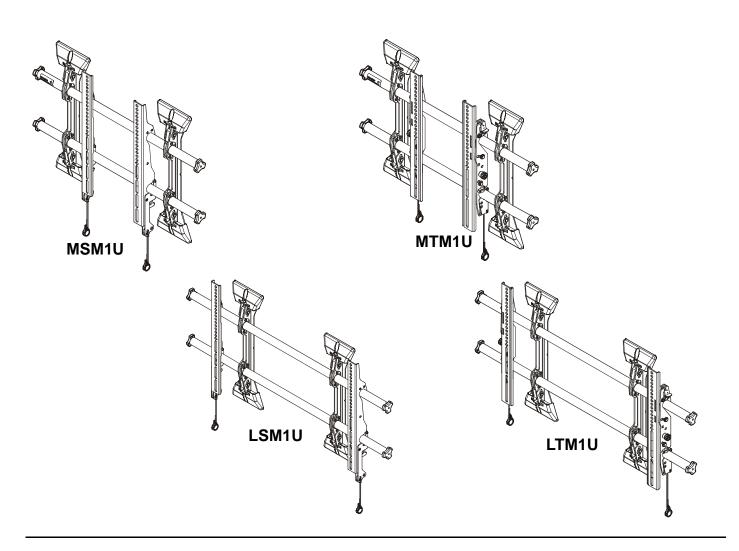
INSTALLATION INSTRUCTIONS



FUSION HEIGHT ADJUST FLAT PANEL MOUNTS



Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com



MSM1U/MTM1U/LSM1U/LTM1U

DISCLAIMER

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.



CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

WARNING: Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located on the MSM1U/MTM1U does not exceed 125 lbs (56.7 kg); OR 200 lbs (90.7 kg) for the LSM1U/LTM1U.

WARNING: Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.



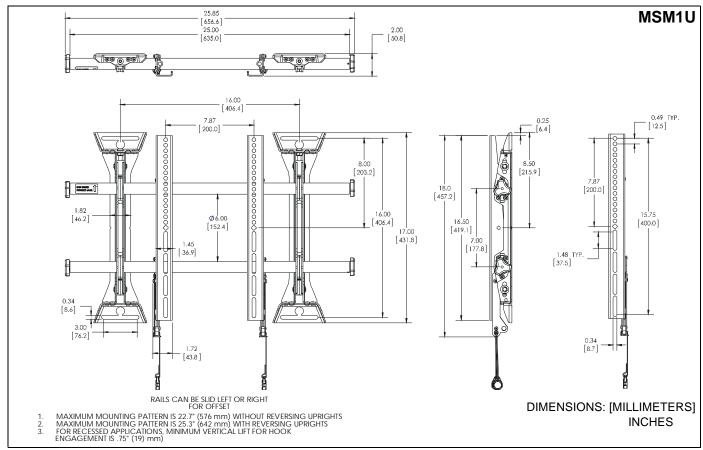
WARNING: Do not use this product outdoors.

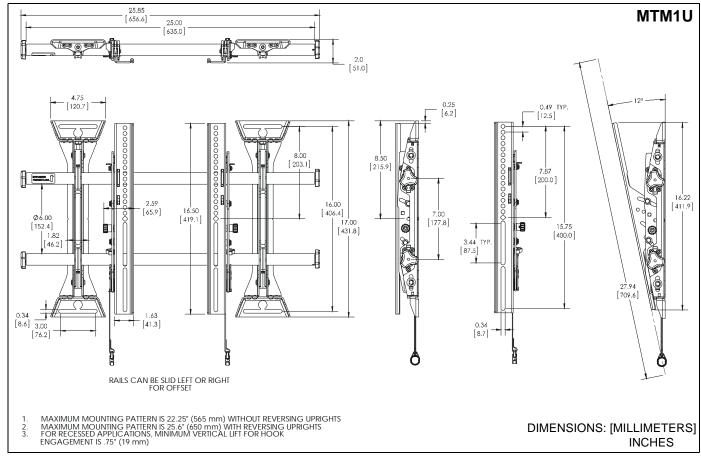
IMPORTANT!: The MSM1U/MTM1U/LSM1U/LTM1U mounts are designed to be mounted to:

- a bare 8" concrete or 8"x8"x16" concrete block wall, or
- a 2" x 4" wood studs wall covered by drywall with maximum thickness of 5/8":
 - MSM1U/MTM1U: Wood studs must be 16" on center:
 - LSM1U/LTM1U: Wood studs may be 16" or 24" on center

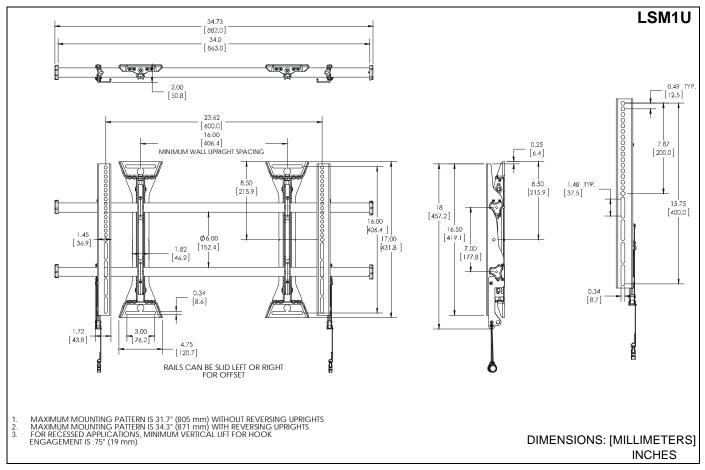
-- SAVE THESE INSTRUCTIONS--

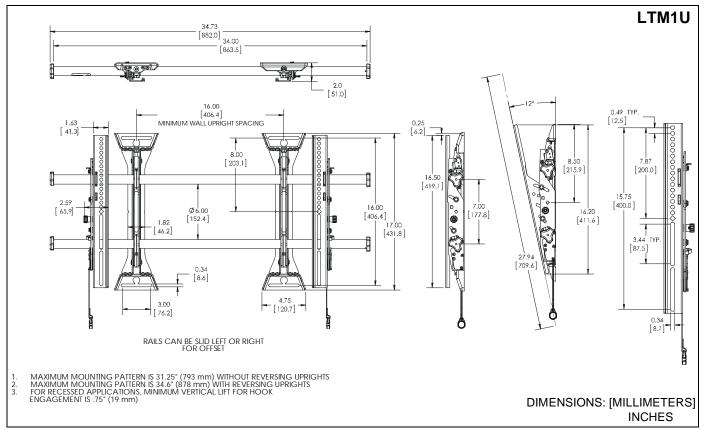
DIMENSIONS





DIMENSIONS--continued

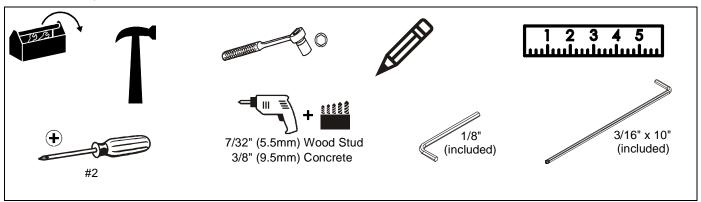




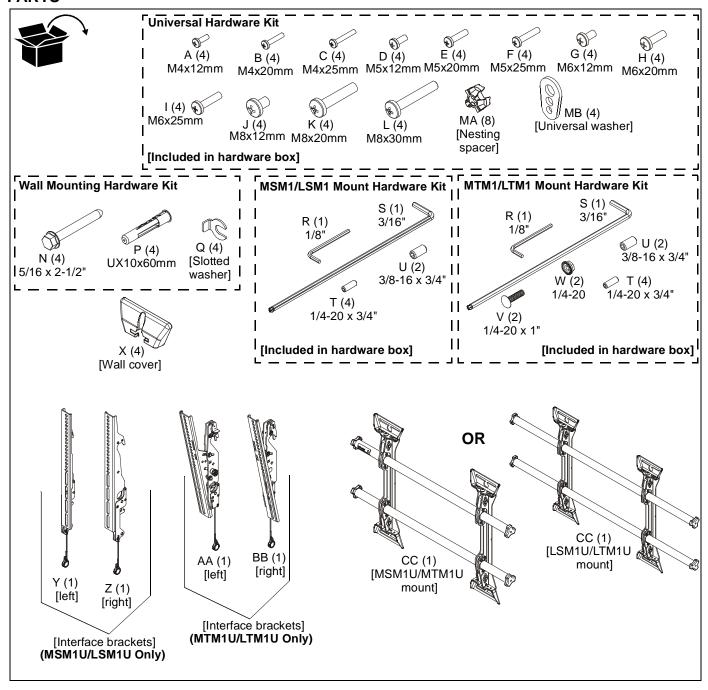
LEGEND

	Tighten Fastener	Pencil Mark
	Apretar elemento de fijación	Marcar con lápiz
	Befestigungsteil festziehen	Stiftmarkierung
	Apertar fixador	Marcar com lápis
	Serrare il fissaggio	Segno a matita
	Bevestiging vastdraaien	Potloodmerkteken
	Serrez les fixations	Marquage au crayon
€	Loosen Fastener	Drill Hole
	Aflojar elemento de fijación	Perforar
	Befestigungsteil lösen	Bohrloch
	Desapertar fixador	Fazer furo
	Allentare il fissaggio	Praticare un foro
	Bevestiging losdraaien	Gat boren
	Desserrez les fixations	Percez un trou
41	Phillips Screwdriver Destornillador Phillips	Adjust
	Kreuzschlitzschraubendreher	Ajustar
		Einstellen
	Chave de fendas Phillips	Ajustar
(E)	Cacciavite a stella	Regolare
	Kruiskopschroevendraaier	Afstellen
	Tournevis à pointe cruciforme	Ajuster
	Open-Ended Wrench	Remove
	Llave de boca	Remove Quitar
6/	Llave de boca Gabelschlüssel	
W.	Llave de boca	Quitar
68	Llave de boca Gabelschlüssel	Quitar Entfernen Remover Rimuovere
O O	Llave de boca Gabelschlüssel Chave de bocas	Quitar Entfernen Remover
0	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte	Quitar Entfernen Remover Rimuovere
0	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel	Quitar Entfernen Remover Rimuovere Verwijderen
	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche	Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche By Hand	Quitar Entfernen Remover Rimuovere Verwijderen Retirez Optional
	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche By Hand A mano	Quitar Entfernen Remover Rimuovere Verwijderen Retirez Optional Opcional
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	Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche By Hand A mano Von Hand Com a mão	Quitar Entfernen Remover Rimuovere Verwijderen Retirez Optional Opcional Optional Optional Optional
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TOOLS REQUIRED FOR INSTALLATION



PARTS



INSTALLATION

The MSM1U/MTM1U/LSM1U/LTM1U mounts are designed to be mounted to a bare 8" concrete, 8"x8"x16" concrete block; or 2" x 4" wood studs (16" on center for MSM1U/MTM1U, and 16" or 24" on center for LSM1U/LTM1U) wall covered by drywall of 5/8" maximum thickness.

The MTM1U and LTM1U have brackets which allow the TV to be tilted. The MSM1U and LSM1U have static brackets which keep the TV in an upright position.

Locate Mounting Site

WARNING: IMPROPER INSTALLATION CAN LEAD TO MOUNT FALLING CAUSING SEVERE PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installers responsibility to make certain the structure to which the mount is being attached is capable of supporting five times the combined weight of all components located on the mount, not to exceed 125 lbs (56.7 kg) for the MSM1U/MTM1U OR 200 lbs (90.7 kg) for the LSM1U/LTM1U.

NOTE: Proceed to either the Installing to a Wood Stud Wall section or the Installing to a Concrete Wall section.

Installing to a Wood Stud Wall

- Determine the center of the TV screen, and where it should be located on the wall.
- Locate the closest stud to the left and right of the selected location.

NOTE: If the screen area lies over a stud, use that stud and the stud to either the left or right of it.

- Line up the notches on mount (CC) with center of screen marking to determine vertical center. (See Figure 1)
- 4. Measure up 8" (203.2mm) from the center point to mark location of the upper mounting slots.

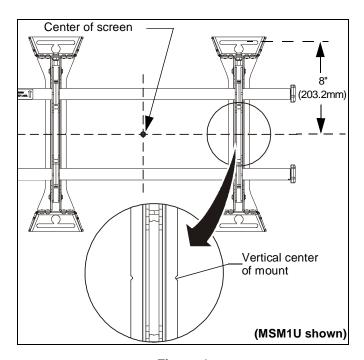


Figure 1

- Using a level, mark the wall on each stud to attach the mount through the upper mounting slots. (See Figure 2)
- 6. Drill one 7/32" (5.5mm) pilot hole in each stud.
- Partially install two 5/16 x 2-1/2" flanged lag bolts (N) into pilot holes but do not tighten to wall.
- 8. Hang mount (CC), aligning upper mounting slots over lag bolts and adjust side-to-side for proper location.
- Place one slotted washer (Q) over each flanged lag bolt. (See Figure 2)
- Tighten lag bolts to secure mount (CC) to wall at upper mounting slots.

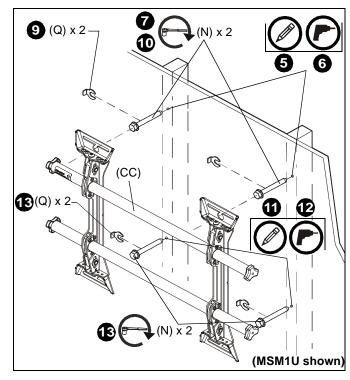


Figure 2

- Mark the attachment points for the lower mounting slots, making sure the attachment points are located on the studs. (See Figure 2)
- Drill 7/32" (5.5mm) pilot holes at markings for lower mounting holes. (See Figure 2)
- 13. Use two 5/16 x 2-1/2" flanged lag bolts (N) and two 5/16" slotted washers (Q) to attach the mount to the wall through the lower mounting holes. (See Figure 2)
- 14. Slide rails to approximate center of screen location.
- 15. Proceed to Locking Rails section.

Installing to a Concrete Wall

- Determine the center of the TV screen, and where it should be located on the wall.
- Line up the notches on mount (CC) with center of screen marking to determine vertical center. (See Figure 1)
- 3. Measure up 8" (203.2mm) from the center point to mark location of the upper mounting slots. (See Figure 1)
- Using a level, mark the wall through both upper mounting slots. (See Figure 3)

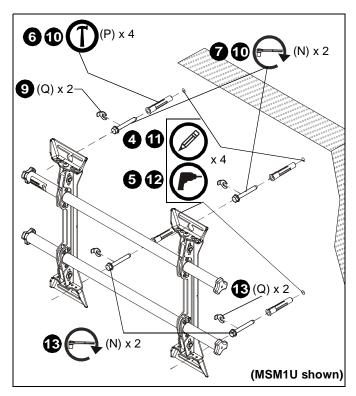


Figure 3

A

CAUTION: MINIMUM HORIZONTAL DISTANCE BETWEEN WALL BRACKETS IS 16" (406.4mm). Do not place mounting brackets closer together than 16" (406.4mm).

- Drill one 3/8" x 3-1/2" (9.5mm x 88.9mm) pilot hole at each marking.
- Install an anchor (P) into each pilot hole using a hammer, making sure that the anchor is flush with the wall.
- 7. Partially install two 5/16 x 2-1/2" flanged lag bolts (N) into pilot holes but do not tighten to wall.
- Hang mount (CC), aligning upper mounting slots over lag bolts and adjust side-to-side for proper location.
- Place one slotted washer (Q) over each flanged lag bolt. (See Figure 3)
- Tighten lag bolts to secure mount (CC) to wall at upper mounting slots.
- Mark the attachment points for the lower mounting slots, making sure the attachment points are located on the studs. (See Figure 3)

- 12. Drill 3/8" x 3-1/2" (9.5mm x 88.9mm) pilot holes at markings for lower mounting holes. (See Figure 3)
- 13. Use two 5/16 x 2-1/2" flanged lag bolts (N) and two 5/16" slotted washers (Q) to attach the mount to the wall through the lower mounting holes. (See Figure 3)
- 14. Slide rails to approximate center of screen location.

Locking Rails (Optional)

- Lock rails into place using two 1/4-20 x 3/4" set screws (T) on mount upright (CC) and the 1/8" hex key (R). (See Figure 4)
- Repeat for remaining mount upright.

NOTE: To easily install upper set screw against upper rail, place set screw (T) onto hex key (R), and feed up into hole while turning to tighten.

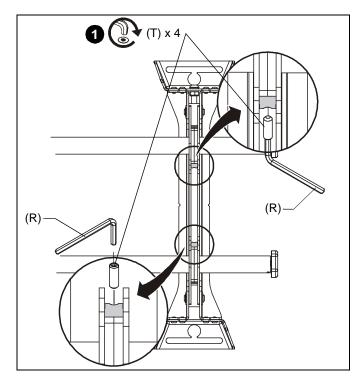


Figure 4

Attaching Interface Brackets to Screen

 Align the center of the bracket (Y and Z or AA and BB) with center of screen. (See Figure 5)

NOTE: The diamond-shape holes in the bracket correspond to the center of the mount.

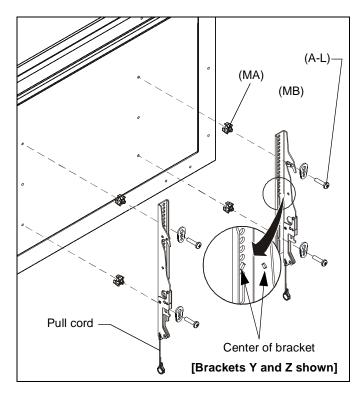


Figure 5

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

 Select correct screws, nesting spacers (if necessary) and universal washers from the hardware bag (A-M) and attach brackets to back of screen. (See Figure 5)

IMPORTANT!: (LSM1U/LTM1U Only) If M4 fasteners are used to attach brackets to back of screen, the weight of the screen may NOT exceed 150 lbs (68.0 kg).

NOTE: The nesting spacers (MA) may be used separately, or put two together in different configurations to create different size spacers. (See Figure 6)

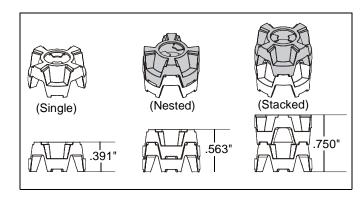


Figure 6

Switching Interface Brackets (Optional)

If an installation situation makes adjusting the location of interface brackets necessary, there are several options.

- The wall brackets may be adjusted side to side at the point of attachment. (See Figure 7)
- The location of the left and right interface brackets (Y and Z or AA and BB) may be switched, with the knobs on the MTM1U/LTM1U interface brackets (AA and BB) facing the inside of the mount. (See Figure 7)

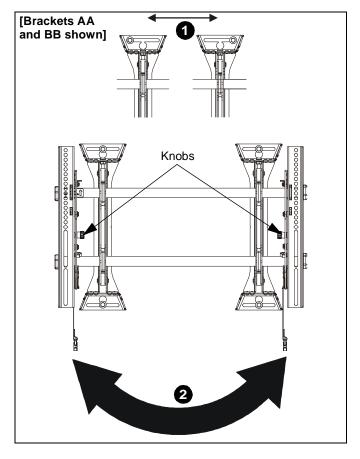


Figure 7

- If necessary, the tilt interface bracket knobs may be switched to allow the interface brackets (AA and BB) to be reversed. (See Figure 8)
 - a. Remove display from mount.
 - b. Remove interface brackets from display.
 - Hold the right interface bracket horizontally, tightly gripping it so that spacers do not move.
 - d. Remove the knob and screw.
 - e. Replace the knob and screw in the opposite order, with the knob on the inside of the bracket.
 - f. Switch the right interface bracket to the left side of the wall mount.
 - g. Repeat Steps 3c through 3f with the left interface bracket.

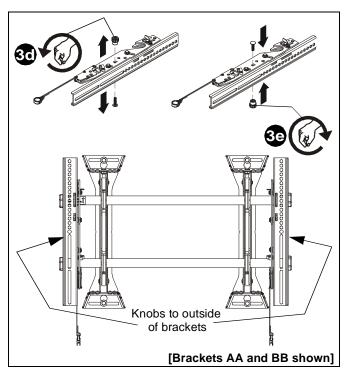


Figure 8

Attaching Screen to Wall Mount

 Attach wall covers (X) to top and bottom of both wall brackets. (See Figure 9)

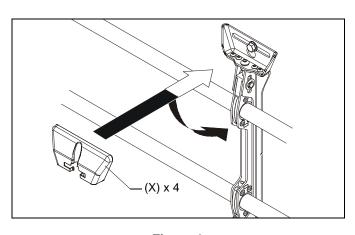


Figure 9

NOTE: NEVER place both interface brackets (Y and Z or AA and BB) to one side of the wall mount center line! (See Figure 10)

NOTE: Do NOT allow both interface brackets (Y and Z or AA and BB) to be located on same side of wall bracket. (See Figure 10)

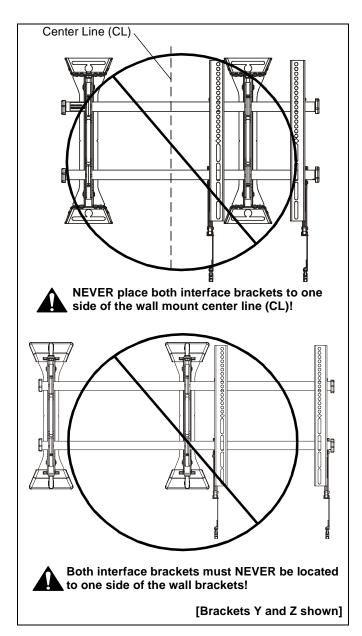


Figure 10

- Hang screen onto the top rail of the mount (CC). (See Figure 11)
 - MSM1U / LSM1U: Hang top hook of interface brackets (Y and Z) onto the top rail of the mount (CC). (See Figure 11)
 - MTM1U / LTM1U: Move latch on top of interface bracket to OPEN position and hang top hook of interface brackets (AA and BB) onto the top rail of the mount (CC). (See Figure 11)

NOTE: The screen initially installs into the "service mode" to allow easy cable access.

- 3. Adjust screen and rails to desired viewing position.
- 4. Route cables between wall and rails.



CAUTION: PINCH POINTS! Keep fingers, hands and cables out of pinch point areas.

- Pull downward on the pull cords and swing inward toward wall, latching interface brackets to lower rail and fastening bottom of screen to the mount. (See Figure 11)
- Attach end of pull cord (a magnet) to mount so it does not extend beyond bottom of screen. (See Figure 11)

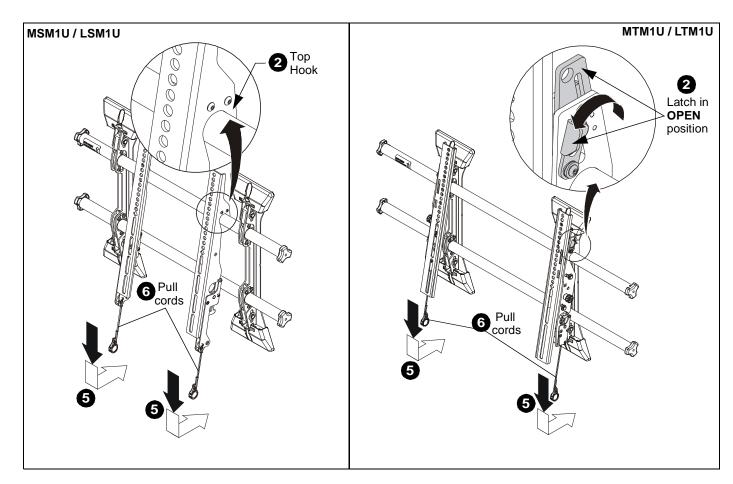


Figure 11

Adjustments

Horizontal Adjustment

 The mount wall brackets may be adjusted side to side at the point of attachment. (See Figure 12)

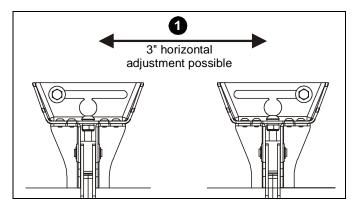


Figure 12

2. The screen may be adjusted along rails side to side.

NOTE: NEVER place both interface brackets (Y and Z or AA and BB) to one side of the wall mount center line! (See Figure 10)

NOTE: Do NOT allow both interface brackets (Y and Z or AA and BB) to be located on same side of wall bracket. (See Figure 10)

 (MTM1U / LTM1U only) Move latch on top of interface brackets to CLOSED position. (See Figure 14)

Roll/Height Adjustment of Wall Brackets

NOTE: The height adjust wall brackets allow adjustment of + 1/2".

- 1. Turn to right (tighten) to raise side of screen. (See Figure 13)
- 2. Turn to left (loosen) to lower side of the screen.

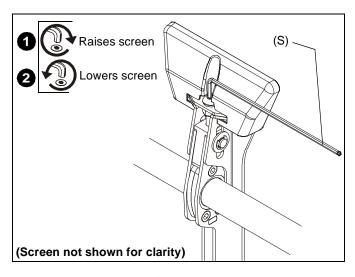


Figure 13

Tilt (MTM1U / LTM1U Only)

The interface brackets (AA and BB) allow from -2° to 12° tilt, and can be locked at 0°, 6° and 12°.

- Loosen the interface bracket knob.
- 2. Adjust tilt as required. (See Figure 14)
- The tilt may be locked at 0°, 6° or 12° using one 1/4-20 x 1" round head carriage bolt (V) and one 1/4-20 hex nut (W) per interface bracket. (See Figure 14)
- Tighten interface bracket knob as necessary.

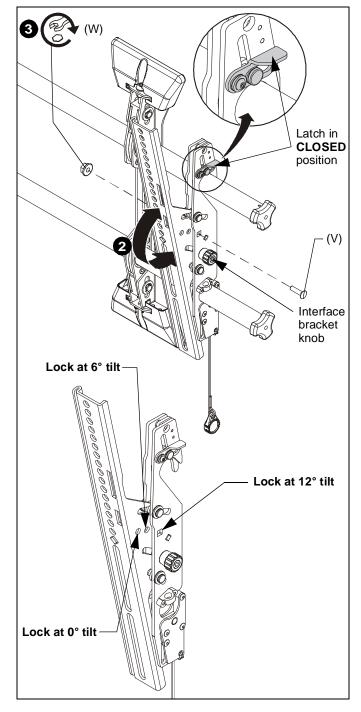


Figure 14

Locking Screen Interface Brackets (Optional)

 Lock screen interface brackets onto mount rails using one 3/8-16 x 3/4" set screw (U) on each interface bracket. (See Figure 15)

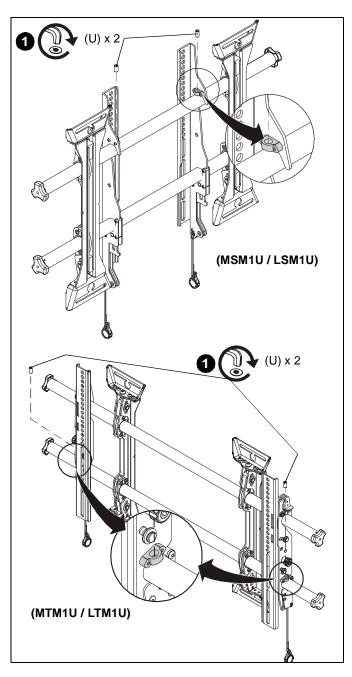


Figure 15

Locking Mount (Optional)

Add padlock (not included) to interface bracket to complete security. (See Figure 16)

NOTE: The padlock maximum shackle diameter is 5/16" (7.9 mm).

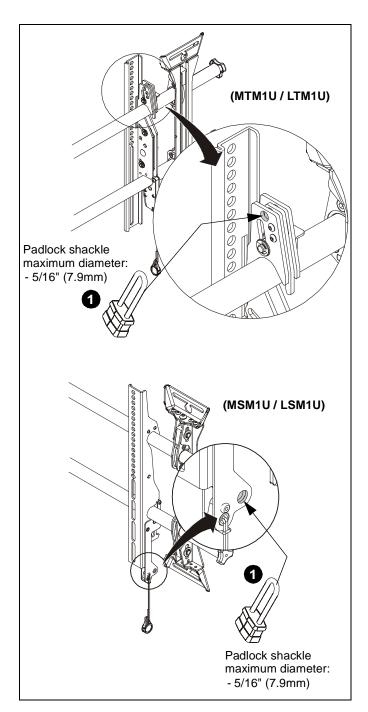


Figure 16



Our Mounts. Your Vision.

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