Large Swing Arm Mounts
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: 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.

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: The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm) when installing to wood studs or hollow concrete block. If installing to poured concrete, the wall CANNOT have ANY drywall covering!

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 attached does not exceed 125 lbs (56.7 kg). Use with products heavier than the maximum weight indicated may result in collapse of the mount and its accessories causing possible injury.

IMPORTANT!: The TS525TU mount is designed to be mounted to an 8” concrete, 8"x8”x16” concrete block, brick or 2” x 4” wood studs (16” on center).

--SAVE THESE INSTRUCTIONS!--
DIMENSIONS

MAXIMUM WEIGHT CAPACITY = 125 lbs. (56.7 kg)

DISTANCE FROM WALL WITH INTERFACE 3.6
DISTANCE FROM WALL WITHOUT INTERFACE 1.4

MAXIMUM WIDTH 22.330

MAX. HORIZONTAL PATTERN 20.73

MAX. VERTICAL PATTERN 18.625

MAX. EXTENSION FROM WALL 25.67

COLLAPSED VIEW

VERTICAL ADJUSTMENT 15°
MAX. TILT 12.50
MAX. HEIGHT 471.36
MAX. WIDTH 821.19
MAX. HEIGHT WITH INTERFACE 526.64
MAX. WIDTH WITHOUT INTERFACE 291.90
100 X 100 PATTERNS INCLUDED
120 X 120 PATTERNS INCLUDED
200 X 200 PATTERNS INCLUDED

INCLUDED PATTERNS
100 X 100
200 X 200
300 X 300
400 X 400
500 X 500
600 X 600
700 X 700
800 X 800
900 X 900
1000 X 1000

LEGAL STATEMENTS
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TOOLS REQUIRED FOR INSTALLATION

13/64" (5.1mm) - wood studs
3/8" (10mm) - concrete
1/2" (12.7mm)
#2

PARTS

"A"
A1 (6) M4x10mm
A2 (6) M4x16mm
A3 (6) M4x25mm

"B"
B1 (6) M5x10mm
B2 (6) M5x16mm
B3 (6) M5x25mm

"C"
C1 (6) M6x10mm
C2 (6) M6x16mm
C3 (6) M6x25mm

"D"
D1 (4) M8x10mm
D2 (4) M8x20mm
D3 (4) M8x30mm

"E"
E1 (6) 75x323x2.5
E2 (6) 75x344x5
E3 (1) M5 [univ.washer]
E4 (6)

hardware bag
F (4) 5/16 x 2 1/2" [concrete anchor]
G (4) [install. washer]

washer bag
J (4) M5
K (4) M4
L (4) [shoulder washer]

M (1) [main assembly]
N (1) [wall rail]

P (1) [right upright]
Q (1) [left upright]
R (1) [bottom interface support]
S (1) [top interface support]

T (2) [wall cover]
U (1) [knob assembly]
V (1) #10-24 x 1 1/4" [10-24 x 1/2"
W (8)
X (2) 5/16-18"

Y (1) [latch spacer]
Z (1) 1/8"
AA (1) 1/4"
BB (1) 3/16"

CC (2) [long adhesive]
DD (4) [short adhesive]
Assembly And Installation

Install Wall Plate to Wall - Wood Studs

**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. The wall to which the mount is being attached may have a maximum drywall thickness of 5/8” (1.6cm).

1. Determine mounting location. Use stud finder to locate 2” x 4” wood studs.
2. Measure 9 5/16” above desired center line and draw a horizontal line. (See Figure 1)

**NOTE:** Hold mount up to wall at desired mounting location if unsure about where the center line will be. The center line of the mount will coincide with the center line of the display. (See Figure 1)

**IMPORTANT ! :** Use a level to make sure wall rail (N) is level when mounted to the wall!

3. Drill two 13/64” holes at center of wood studs along the line drawn in the Step 2. (See Figure 1)
4. Loosely attach wall rail (N) to wall using two 5/16- 2 1/2” flange head lag screws (F). (See Figure 2)
5. Place two installation spacers (H) over two 5/16 x 2 1/2” flange head lag screws (F). (See Figure 2)
6. Tighten two screws (F) to secure upper wall rail (N) to wall. (See Figure 2)
7. Slide main assembly (M) onto wall rail (N). (See Figure 3)
8. Center main assembly (M) over two studs.
9. Drill two 13/64” holes in center of wood studs at lower mounting holes. (See Figure 4)
10. Loosely install two 5/16 x 2 1/2” flange head lag screws (F). (See Figure 4)
11. Place two installation spacers (H) over two flange head lag screws (F). (See Figure 4)
12. Tighten two screws to secure main assembly (M) to wall. (See Figure 4)
WARNING: DO NOT REMOVE SPACER AS SHOWN BELOW PRIOR TO INSTALLING THE LOWER TWO LAG SCREWS OR THE MOUNT WILL FALL OFF THE WALL WHEN THE SPACER IS REMOVED!

13. Loosen two flat head cap screws on upper carriage rail in order to loosen white spacer. (See Figure 5)
14. Remove white spacer from mount. (See Figure 5)
15. Tighten flat head cap screws. (See Figure 5)

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: The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm) if installing to hollow concrete block. If installing to poured concrete, the wall CANNOT have ANY drywall covering!

WARNING: INSTALLING THE TS525TU INTO UNDERRATED OR DAMAGED CONCRETE CAN LEAD TO SERIOUS INJURY OR DAMAGE TO PRODUCT! When installing into concrete, only install the TS525TU into concrete at least 8" in depth or into 8"x8"x16" concrete blocks! Never install the TS525TU into cracked, chipped or flaking concrete.

1. Determine mounting location.
2. Measure 9 5/16" above desired center line and draw a horizontal line. (See Figure 6)

NOTE: Hold mount up to wall at desired mounting location if unsure about where the center line will be. The center line of the mount will coincide with the center line of the display. (See Figure 6)

IMPORTANT!: Use a level to make sure wall rail (N) is level when mounted to the wall!

3. Drill two 3/8" holes 16" apart and along the line drawn in the Step 2. (See Figure 6)
4. Install two concrete anchors (G) into two drilled holes. (See Figure 7)

5. Loosely attach wall rail (N) to wall by installing two 5/16-2 1/2 flange head lag screws (F) into concrete anchors (G). (See Figure 7)

**IMPORTANT!**: Use a level to make sure wall rail (N) is level when mounted to the wall!

6. Place two installation spacers (H) over two 5/16 x 2 1/2" flange head lag screws (F). (See Figure 7)

7. Tighten two screws to secure upper wall rail (N) to wall. (See Figure 7)

8. Slide main assembly (M) onto wall rail (N). (See Figure 8)

9. Center main assembly (M) over wall rail (N). (See Figure 8)

10. Mark two holes at lower mounting holes. (See Figure 8)

11. Slide main assembly (M) off wall rail (N). (See Figure 8)

12. Drill two 3/8" holes at marked locations. (See Figure 8)

13. Install two concrete anchors (G) into drilled holes. (See Figure 8)

14. Slide main assembly (M) back onto wall rail (N). (See Figure 9)
15. Loosely install two 5/16 x 2 1/2" flange head lag screws (F) through lower wall rail on main assembly and into concrete anchors. (See Figure 10)

16. Place two installation spacers (H) over two flange head lag screws (F). (See Figure 10)

17. Tighten two screws (F) to secure main assembly (M) to wall. (See Figure 10)

**WARNING:** DO NOT REMOVE SPACER AS SHOWN BELOW PRIOR TO INSTALLING THE LOWER TWO LAG SCREWS OR THE MOUNT WILL FALL OFF THE WALL WHEN THE SPACER IS REMOVED!

18. Loosen two flat head cap screws on upper carriage rail in order to loosen white spacer. (See Figure 11)

19. Remove white spacer from mount. (See Figure 11)

20. Tighten flat head cap screws. (See Figure 11)
Install Interface Bracket to Display

**IMPORTANT!** If the display's hole pattern size is 100mm x 100mm, 200mm x 200mm or 100mm x 200mm, the display can be mounted directly to the faceplate and the interface bracket DOES NOT need to be installed! Proceed to Install Display section.

1. Lay display face down on protective surface.

**CAUTION:** Using screws of improper diameter may damage your display! Proper screws will easily thread into display mounting holes.

2. Select screw diameter by examining hardware (A-D) (4mm, 5mm, 6mm or 8mm) and comparing with mounting holes on display. (See Figure 12)

3. Select spacers: (See Figure 12)
   - If mounting holes are not recessed and both uprights (P and Q) can lay flat against display, then no spacers are required.
   - If mounting holes are recessed, or if protrusions prevent uprights (P and Q) from laying flat, then spacers (E1 or E2) must be used.

**CAUTION:** Using screws of improper length may damage your display! Proper screws will have adequate thread engagement without contacting bottom of display mounting holes.

4. Select screw length: (See Figure 12)
   - Using your hand, insert SHORTEST length screw of selected diameter (A1, B1, C1 or D1) through universal washer (E4), uprights (P or Q), selected spacer (E1 or E2, if required), into display mounting hole. Do NOT thread screw into hole at this time.

**NOTE:** Universal washers (E4) are not needed if using M8 button head cap screws (D).

   - Proper screw length requires base of screw head to protrude above flat washer a distance equal to or greater than the screw diameter. If screw length is inadequate, select longer screw. Select shortest screw which will protrude the required distance.

5. Place uprights (P and Q) on display, ensuring: (See Figure 13)
   - Center of uprights (P and Q) are as close to the center of the back of display as possible after being installed. Center of bracket is indicated by the diamond-shaped hole.

**NOTE:** If installing to a display with a narrow hole mounting pattern, reverse uprights (P and Q) so that the upright legs do not overlap onto each other. (See Figure 13)

6. Using Phillips screwdriver, carefully install selected screws through universal washers (E4, if required), uprights (P and Q), and spacers (E1 or E2, if required), into display. (See Figure 12)

7. Tighten all screws. Ensure all applicable display mounting holes (4, 6, or 8) are used.
10. When connecting bottom interface support (S) to uprights, make sure that it is aligned vertically with top interface support (R). (See Figure 14)

Installing Display

Using Interface Bracket

**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 attached does not exceed 125 lbs (56.7 kg). Use with products heavier than the maximum weight indicated may result in collapse of the mount and its accessories causing possible injury.

**WARNING:** Display may be very heavy! Ensure display can be safely lifted and maneuvered as required to install on wall plate. Failure to take adequate precautions can result in serious personal injury or damage to equipment!

1. Hang interface bracket and display to faceplate by placing two mounting buttons on top interface support (R) over two teardrop grooves on top of faceplate. (See Figure 15)

2. Secure interface bracket and display to faceplate by installing two 5/16-18” flange nuts (X) onto screws on lower interface support (S). (See Figure 15)
Installing Display Without Interface Bracket
(100x100, 200x200 or 100x200)

- **CAUTION:** Using screws of improper diameter may damage your display! Proper screws will easily thread into display mounting holes.

1. Select screw diameter by examining hardware (A-D) (4mm, 5mm, 6mm or 8mm) and comparing with mounting holes on display.

- **CAUTION:** Using screws of improper length may damage your display! Proper screws will have adequate thread engagement without contacting bottom of display mounting holes.

2. Select screw length:
   - Using your hand, insert SHORTEST length screw of selected diameter (A1, B1, C1 or D1) into display mounting hole. Do NOT thread screw into hole at this time.

3. Install two selected screws (A-D) into upper two holes on back of display. (See Figure 16)

**IMPORTANT ! :** If using M4 or M5 screws (A or B), washer hardware (J, K and L) must be used to ensure tight fit into the faceplate holes! For M4 screws (A), use M4 washer (K) and shoulder washer (L). For M5 screws (B), use M5 washer (J) and shoulder washer (L). (See Figure 16)

4. Hang display by two screws onto faceplate through either inner or outer teardrop mounting holes. (200x200 mounting pattern shown) (See Figure 17)

5. Secure display to faceplate by installing two selected screws (A-D) through washer hardware (J,K, and L) for M4 (A) and M5 (B) screws only, lower holes on faceplate and into lower two holes on display. (See Figure 17)

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**Wall Cover Installation**

- **CAUTION:** Wall covers are fragile and may be damaged or broken if installed with excessive force! Use caution when installing and removing wall covers.

1. Turn wall cover (T) outward to allow outside of covers to wrap around wall rail. (See Figure 18)

2. Place wall cover (T) over wall rail. (See Figure 18)
Cable Management

1. Make all cable connections to display.
2. Open cable management covers on upper and lower swing arms. (See Figure 19)
3. Route cables on top of upper arm. (See Figure 19)
4. (Optional) Use cable ties (not included) to secure cables to upper arms by threading ties around cable and through cable tie holes on arms. (See Figure 19)
5. Close upper cable management cover. (See Figure 19)
6. Route cables under lower portion of swing arm. (See Figure 19)
7. (Optional) Use cable ties (not included) to secure cables to lower arms by threading ties around cable and through cable tie holes on arms. (See Figure 19)
8. Close lower cable management cover. (See Figure 19)

Creating Space (Optional)

In order to create more space between display and mount, spacers may be added.
1. Extend swing arms in order to gain access to the center support.
2. Remove flat hex-head screw holding latch to center support. (See Figure 20)
3. Place latch spacer (Y) behind latch and line with holes on center support. (See Figure 20)
4. Install #10-24 x 1 1/4" flat hex-head screw (V) through latch and latch spacer (Y) and into holes on center support. (See Figure 20)

Height Adjustment

1. Extend swing arms in order to gain access to the center support.
2. Adjust height adjustment wrench to raise or lower mount to desired height. Turn counter-clockwise to raise mount and clockwise to lower mount. (See Figure 21)
**Leveling Friction Adjustment**

1. Adjust leveling adjustment screw on back of faceplate to increase or decrease leveling friction. (See Figure 22)

**Tilt Friction Adjustment**

1. Tilt display forward enough to expose screws on the side of tilting mechanism. (See Figure 23)
2. Adjust tilt friction adjustment screw to increase or decrease tilt friction. (See Figure 23)

**Lateral Shift Adjustment**

1. Remove wall rail covers (N) to expose lateral shift adjustment screws on wall rails.
2. Loosen four lateral shift adjustment screws. (See Figure 24)
3. Loosen two lower lag screws securing lower rail to the wall. (See Figure 24)
4. Slide mount laterally to desired mounting position. (See Figure 24)
5. Tighten two lower lag screws. (See Figure 24)
6. Tighten four lateral shift adjustment screws. (See Figure 24)
7. Reinstall wall rail covers (N).
Arm Tension Adjustment
1. Use 1/4" hex key (AA) to adjust arm tension at any of the four arm tension adjustment points. (See Figure 25)

2. Use 9/16" wrench to adjust arm tension directly behind faceplate. (See Figure 26)

Install Interface Bracket Adhesive Covers (Optional)
If the interface bracket was required to install display to mount, adhesive covers may be used to cover the holes on the interface bracket in order to improve the appearance.
1. Use two long adhesive strips (CC) to cover vertical uprights. (See Figure 27)
2. Use four short adhesive strips (DD) to cover horizontal upright supports. (See Figure 27)

NOTE: These strips may be cut as desired in order to fit around screws.