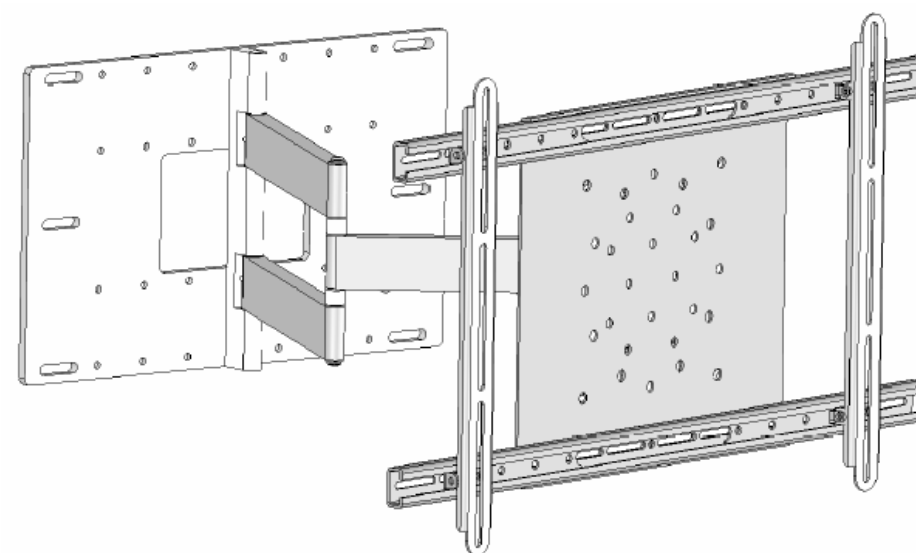

Installation Instructions

Large Universal Flat Panel Cantilever Mount and Universal Adapter



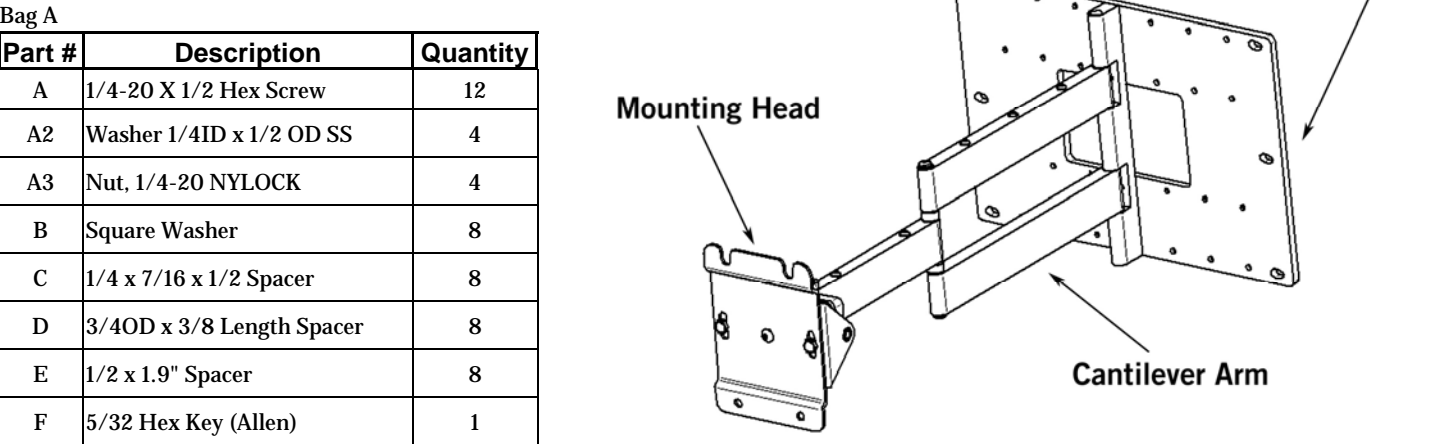
IMPORTANT

- Do not begin the installation of your OmniMount product until you have thoroughly reviewed this document and understand the instructions.
- We highly recommend that this product be installed by a qualified professional.
- Make sure that the wall you plan to use will safely support four times the combined weight of the mounted equipment, including its accessories.
- Under no circumstances should this product be mounted to metal framing studs.**
- NEVER** exceed the Maximum load capacity of 40 lbs. (18.1 Kg)

Table of Contents Mounting to Wooden Studs Mounting to Masonry Mounting the Cantilever Assembly Configuring the Universal Adaptor Plate Mounting the Display Adjusting the Display	Installation Tools: Electronic Stud Locator (Wooden stud installation only) Variable Speed Electric Drill Hammer Drill (Concrete installations only) Drill Bits: 1/8" (3 mm) drill bit (Wooden stud installation only) 11/32" (9mm) Masonry drill bit (Concrete installations only) Hammer (Concrete/Masonry installation only) Phillips head screwdriver
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Parts List:

Part #	Description	Quantity
1	Back Plate	1
2	Channel	2
3	Slider	4
4	Rail, Vertical 25" (long)	2
5	Rail, Vertical 18" (short)	2
6	Button Head Screw 1/4-20 x 1	10



Bag B

Part #	Description	Quantity
G	M4 x 16mm PPHD Screw	8
H	M4 x 25mm PPHD Screw	6
I	M4 x 60 PPHD Screw	8
J	M5 x 15mm PPHD Screw	8
K	M5 x 60 PPHD Screw	8
L	M6 x 16mm PPHD Screw	8
M	M8 x 16mm PPHD Screw	6
N	M8 x 1.25 x 20 PPHD	6
O	M8 x 25 PPHD Screw	8
P	M8 x 35 PPHD Screw	6
Q	M8 x 45 PPHD Screw	4
R	3/8-16 x 1/2 L SHDCS	4
S	5/16 Hex Key (Allen)	1

180° Pan

Purpose – Allows display to be positioned perpendicular to wall. (Fig.23)

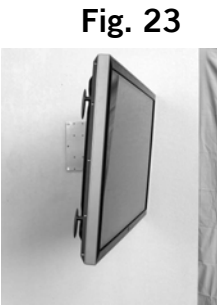


Fig. 23

Operation – Extend cantilever arm completely. Fully swivel display in desired direction. (Fig. 24)

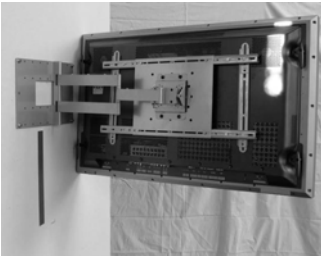


Fig. 24

Note: Maximum screen size for full 180° Pan is approximately 50".

Stowing the Screen

Purpose – Allows display to be folded flat to the wall. (Fig. 25)

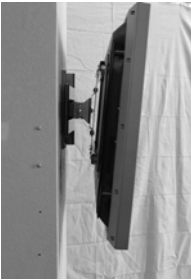


Fig. 25

Operation – Grasp center pivot point of cantilever arm and edge of display. Fold arm in half at pivot point and push display back flat against wall. (Fig. 26)



Fig. 26

Centering the Screen

The screen will be centered with the cantilever arm folded in one direction only, as shown in Fig. 27 and 28.



Fig. 27

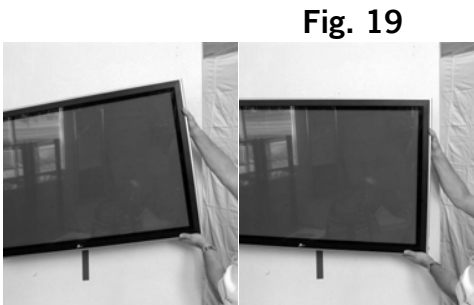


Fig. 28

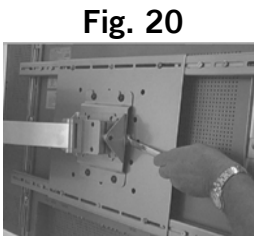
Display Adjustments

Roll Control

Function - Horizontal leveling of the display.
Operation - Grasp the sides of the display, and roll it into the desired position. (Fig. 19)

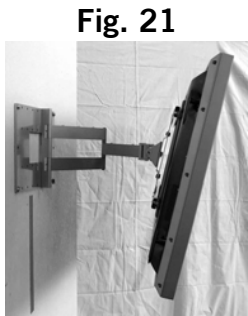


Adjusting Roll Tension – Roll tension is controlled by the two tension bolts located on the outer edges of the nose piece. Use an open-ended 9/16” wrench to make adjustments to the tension bolts by inserting wrench between the nose piece and the adaptor plate. (Fig.20)

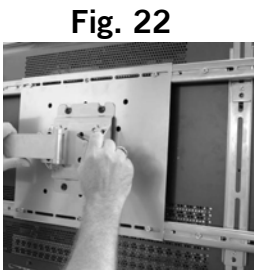


Vertical Tilt

Function – raising and lowering the screen edge to improve viewing angle/picture quality. (Fig. 21)



Operation – Loosen tilt tension screws with supplied 3/16” Allen wrench as shown. Adjust display for desired tilt angle. Re-tighten tension screws. (Fig. 22)



Swivel

Purpose – Optimize viewing angle for off center viewing positions.
Operation – Grasp edges of display and swivel into desired position.

Adjust swivel tension – Adjust tension with supplied 3/16” Allen wrench.

Mounting to Wooden Stud

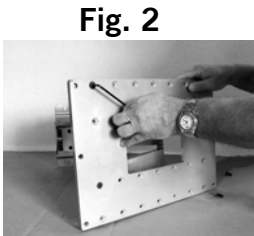
Determine the location where you want the display mounted on the wall.

Use stud finder to locate and mark the center of the two studs. (Fig. 1)



Fig. 1

Remove Cantilever Mount from box. Remove the Adaptor Plate from the Mounting Head, and set the four 3/8”-16 button head cap screws aside for later. Remove cantilever arm from Wall plate. (Fig. 2)



NOTE: The cantilever arm is mounted at the end of the wall plate for shipping. (Fig. 3)

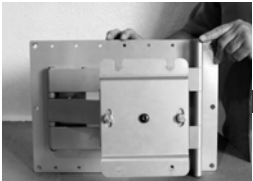
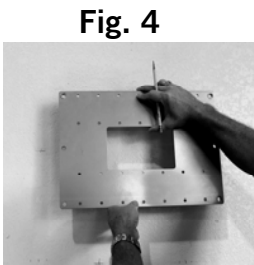


Fig. 3

Align center mounting holes of wall plate with center marks on studs. Using the wall plate as a template, mark the mounting holes and center J box hole. Install J box as required. (Fig. 4)

NOTE: Electrical outlets should only be installed by a qualified electrician.



Drill mounting holes with 9/32” bit. Mounting holes should be 3” (76 mm) deep.

Mounting to Masonry

Determine the location where you want the display mounted on the wall.

Remove Cantilever Mount from box. Remove the Adaptor Plate from the Mounting Head, and set the four 3/8”-16 button head cap screws aside for later. Remove cantilever arm from Wall plate. (Fig. 2)

NOTE: The cantilever arm is mounted at the end of the wall plate for shipping. (Fig. 3)

Using the wall plate as a template, mark the mounting holes in the desired mounting location and center J box hole. Install J box as required. (Fig. 4)

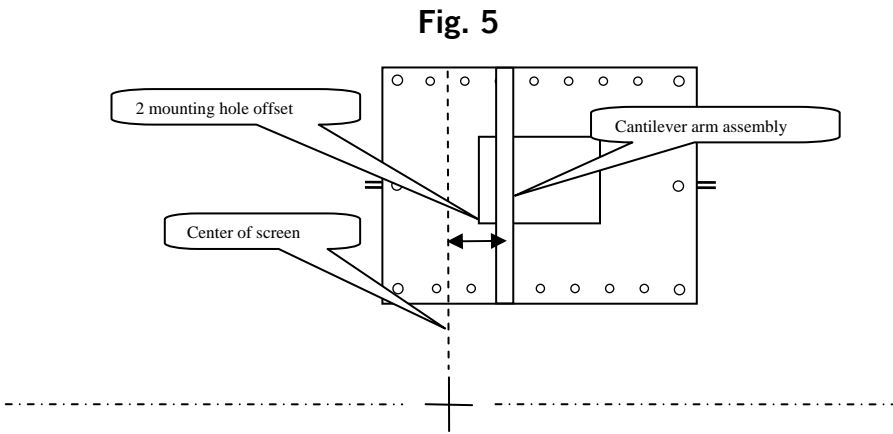
NOTE: Electrical outlets should only be installed by a qualified electrician.

Drill mounting holes with 3/8” (10mm) masonry bit. Mounting holes should be a minimum of 2 9/16” (65mm) deep.

Insert masonry mounting anchors into holes, and tap flush with hammer.

Mounting Cantilever Assembly

IMPORTANT: for the display to be centered over the wall plate when the cantilever arm is folded, the arm will need to be offset by approximately 4” (10.1 cm) from the desired center position of the screen. To do this, first note where the desired center of screen position intersects the wall plate, and then mark the wall plate. (Fig. 5)



Attach cantilever arm to the wall plate at the indicated offset location.

Mount cantilever assembly to wall using supplied 3/8" lag bolts. (Fig. 6)

Fold cantilever arm to verify center location of mounting head. (Fig. 7)
Note: *the mounting head will be centered with the arm folded in one direction only.*

Fig. 6

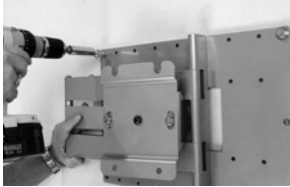
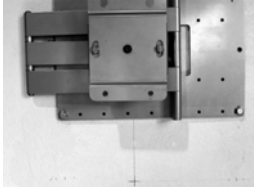


Fig. 7



Configuring the Adaptor Plate

Set the Adapter Plate Width

The Adapter Plate ships with a standard set of mounting rails pre-installed. These rails will fit a display where the vertical distance between mounting lands on the display are 17 1/8" or less. If your display is larger than this, you will need to install the large set of mounting rails, which are included with the Adapter Plate. Please see **Install Mounting Rails** at the end of this section for details.

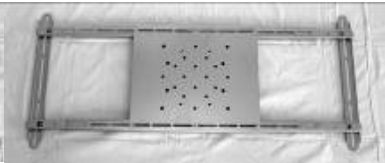
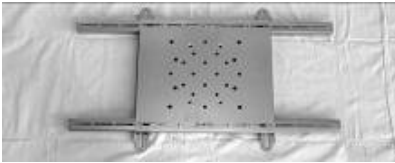
Measure Display

The Adapter Plate is capable of handling a wide range of landed insert widths. Measure the horizontal distance between mounting lands on your display, and set the width, either Narrow (Fig. 8) or Standard (Fig. 9) of the Mounting Rails as shown.

Fig. 8

Fig. 9

Narrow
Configuration



Standard
Configuration

Standard Configuration

For standard range configurations, loosen the screws on the sliders using the supplied Allen wrench, adjust rails to desired width, and then re-tighten screws.

Standard Range: 38 1/2" (98 cm) to 15 3/4" (40 cm)

Narrow Configuration

For narrow range configurations, flip slider/rail assembly over (Fig. 10) before inserting them into the channels.

Narrow Range: 15 1/2" (39 cm) to 3 1/2" (9 cm)

Fig. 10



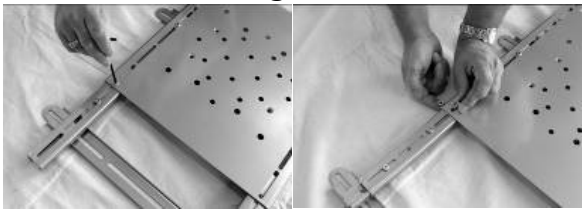
Secure Sliders and Back Plate

Secure sliders with (Fig. 11) button head screws.
For *medium and narrow displays*, where the nuts on the slider are beneath the back plate, thread button head screws through the back plate and into the slider as shown.

Note: *The outer corners of the back plate must always be secured with a screw.*

For *wide displays*, where the nuts on the slider are positioned outside of the back plate, use lock nut with button head screws (supplied) to secure the back plate, as shown at right.

Fig. 11



Mount the Adapter Plate to Display

Hardware Selection

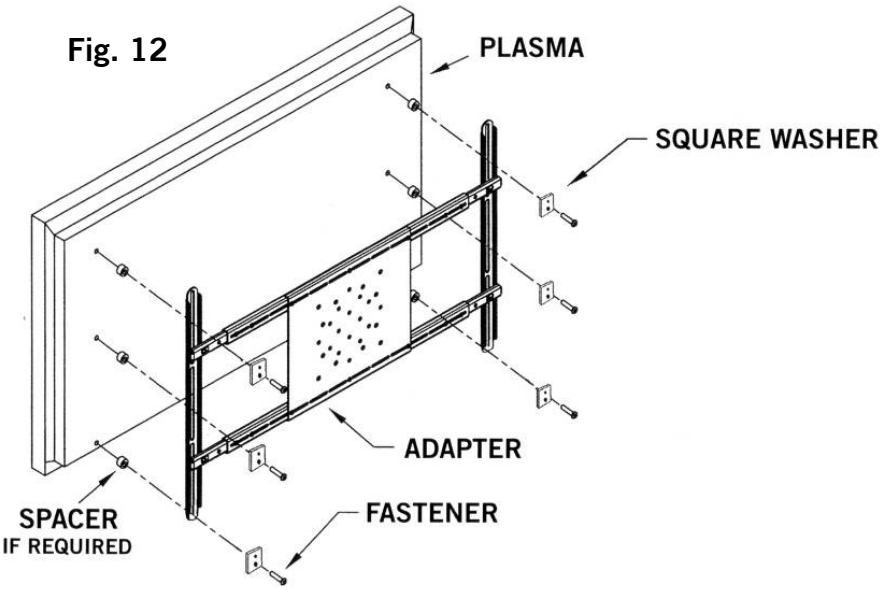
- Consult the supplied Hardware Cross Reference List.
- Select the mounting hardware for your display.

Attach the Adapter Plate to Display

- Position the Adapter Plate over back of display.
- Thread mounting screws through square washers and spacers (if required), as shown.
- Thread mounting screws through slots on side rails into landed inserts, and secure loosely.
- With mounting screws installed, center the Adapter Plate on the back of the display, and then tighten all screws securely. (see Fig. 12)

CAUTION: Do not use power tools or over-tighten the mounting screws.

Fig. 12



Install Mounting Rails

Remove slider retaining screws as shown in Fig. 13.

Remove sliders from channels.

Select required side rail size:

- Medium rail – up to 17 1/8" height of landed inserts
- Large rail – up to 25" height of landed inserts

Fig. 13

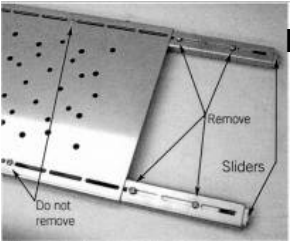


Fig. 14

Attach selected side rails to sliders as shown in Fig. 14.

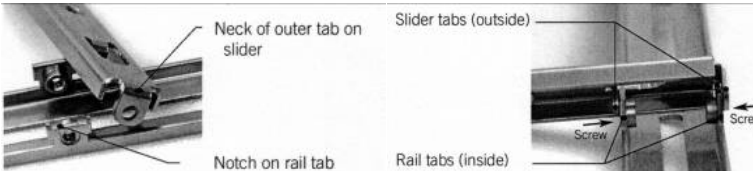
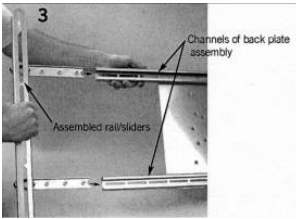


Fig. 15

Re-install slider assemblies into channels as shown in Fig. 15, and return to **Set UM-1 Width** section.



Mounting the Display

Locate the set of four 3/8"-16 button head cap screws removed at the beginning of the installation.

Thread two of the screws approximately a 1/4" (6mm) into the upper set of PEM nuts on the adaptor plate, as shown in Fig. 16.

Fig. 16

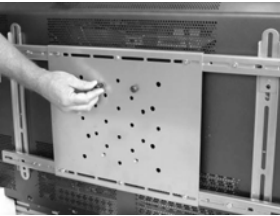


Fig. 17

With the help of an assistant, carefully lift the display and hang it onto the Cantilever Mount by dropping the exposed portion of the screws down into the key slots on the nose piece of the Cantilever Mount as shown in Fig. 17.

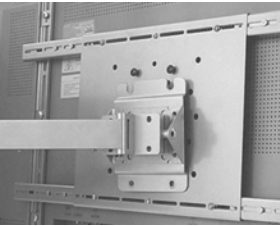


Fig. 18

With the display hanging on the mount, thread the second set of screws into place, and then **HAND** tighten all four screws securely as shown in Fig. 18.

