
INSTALLATION INSTRUCTIONS

Medium Flat Panel Pivot/Pitch Wall Mount (JWP-210)

The JWP Pivot/Pitch wall mount is designed for mounting a medium sized flat panel display. The mount can be tilted up and down to 15° of center as well as pivot left and right.

The JWP is shipped with the VESA® 100mm/100mm Centris™ interface which is compatible with most medium flat panels.

To accommodate other mounting patterns in displays, the JWP comes with a VESA Plate that accommodates other VESA 200mm x 100mm and 200mm x 200mm mounting patterns. This VESA Plate can also be used with an MSB Custom Interface for non-VESA screens.

By design, the JWP can be configured to fit your medium flat panel display, providing that your display does not exceed the specified weight rating.



JWP-210

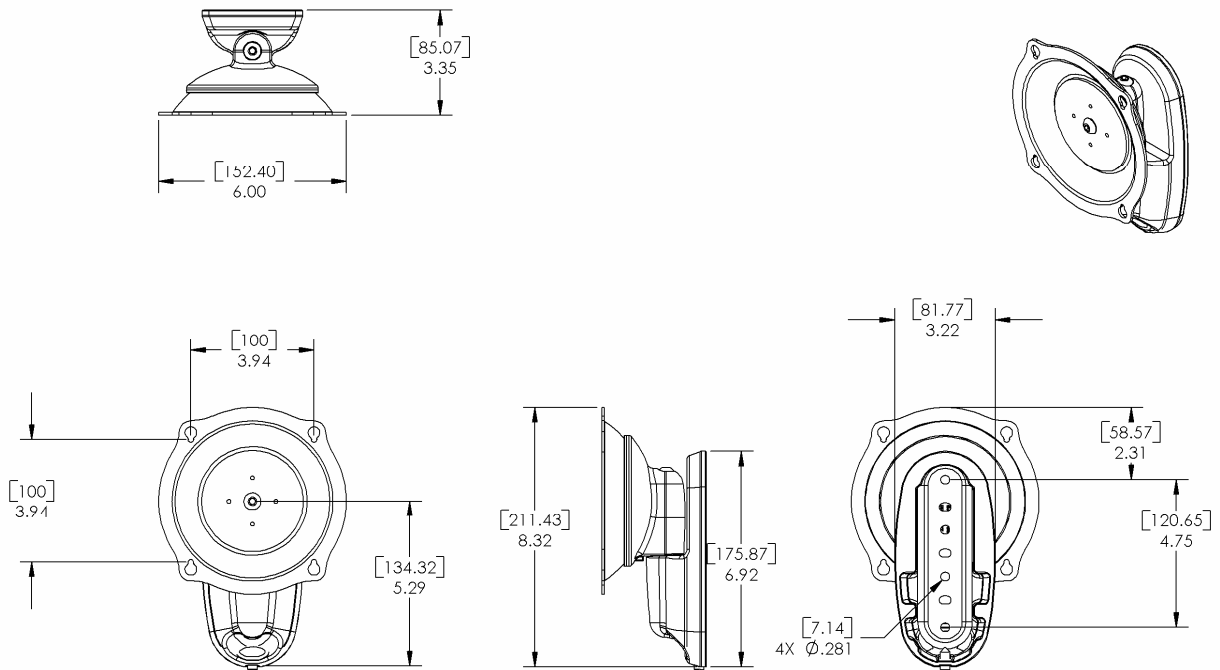
BEFORE YOU BEGIN

- **⚠ CAUTION:** To prevent damage to your display and/or the JWP, which could affect or void factory warranty, thoroughly study all instructions and illustrations before you begin to install the mount. Pay particular attention to ALL Warnings and Cautions in this document.
- The maximum weight allowable for use with the JWP wall mount is 75 lbs (34 kg).
- The JWP wall mount is designed to be installed using wall studs or supporting framework. The structure to which the JWP wall mount is anchored must be capable of supporting *five times* the total weight of the mount and all attached equipment.
- If you have any questions about this installation, contact Chief Manufacturing at 1-800-582-6480.

! IMPORTANT WARNINGS and CAUTIONS!

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	Improper installation can result in serious personal injury! Make sure that the structural members can support a redundant weight factor <i>five times</i> the total weight of the equipment. If not, reinforce the structure before installing the mount.
• WARNING	Be aware of the potential for personal injury or damage to the equipment if it is not adequately mounted.
• WARNING	The installer is responsible for verifying that the display to which the JWP mount is anchored will safely support the combined load of all attached components or other equipment.
• WARNING	The weight of the display placed on the JWP must not exceed 75 lbs (34 kg), the maximum support weight of the JWP.
• WARNING	Watch for pinch points. Do not put your fingers between movable parts.
• WARNING	Make sure the mount and brackets are correctly oriented.
• CAUTION	Check the unit for shipping damage before you begin the installation.

DIMENSIONAL DRAWING



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TOOLS REQUIRED FOR INSTALLATION

- Electric drill and bit set
- Hex wrench set
- Phillips screwdriver
- Level

NOTE: Other tools may be required depending on your display, JWP configuration and method of installation.

INSPECT UNIT BEFORE INSTALLING

⚠ WARNING: Watch for pinch points. Do not put your fingers between movable parts.

1. Carefully inspect mount for shipping damage. If any damage is apparent, call your carrier claims agent and do not continue with installation until carrier has reviewed damage.

NOTE: Read all instructions before starting installation.

2. Lay out components to ensure you have all required parts before proceeding (see PARTS on page 6). If you are missing any listed parts, contact Customer Service at: 1-800/582-6480.

SPECIFICATIONS

Table 1. JWP Specifications

Depth from Wall	3.35" (85.07mm)
Maximum Extension	Not Applicable
Dimensions W x H x D	6.0" x 8.32" x 3.35" (152 x 211.43 x 85.07mm)
Weight Capacity	75 lbs (34kg)

INTRODUCTION

There are three main steps in the JWP-210 installation process. These steps are:

- Selecting an appropriate mounting configuration.
- Connect display cables
- Making required adjustments

Before starting the installation process, determine the correct mounting-hole configuration for your display by reviewing the information located within Table 2.

NOTE: If the displays mounting hole configuration does not match those identified at right, a custom MSB interface is required. Refer to a Chief Mfg. cross-reference or visit www.chiefmfg.com to identify the appropriate MSB for your display.

Reference Chart

Table 2 below provides a reference chart to help you determine the mounting-hole configuration of your display and quickly find the appropriate installation instructions.

Table 2. Installation Reference Chart

Screw Size	VESA Hole Pattern	Ref. Page
M4 x 12mm	100mm x 100mm (Flush Mount)	7
M4 x 20mm	100mm x 100mm (Recess Mount)	7
M4 x 16mm	200mm x 100mm	8
M4 x 20mm M6 x 20mm M6 x 30mm OR M6 x45mm	200mm x 200mm	10
N/A	Non-VESA (used with MSB Custom Interface bracket, purchased separately)	11

Mounting-Hole Configurations

Figure 1 depicts the various mounting-hole configurations that are available to mount your display.

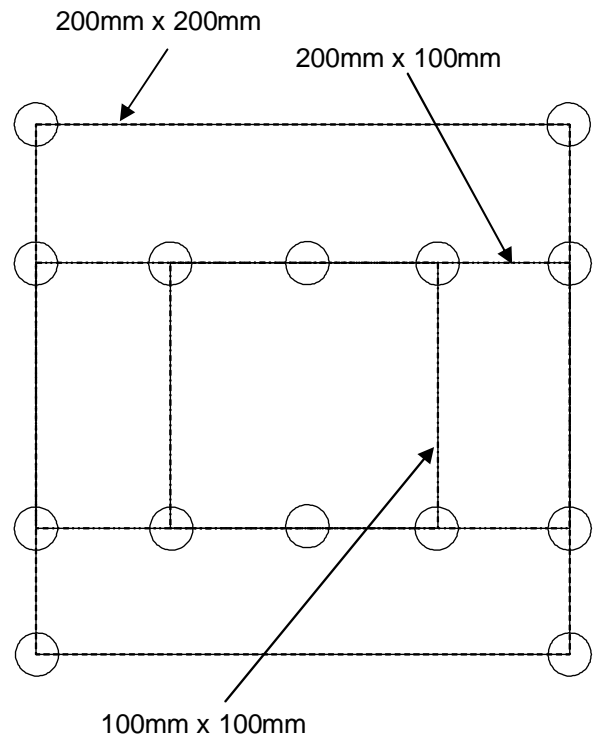


Figure 1. Typical VESA Mounting Hole Configurations

COMPONENTS

Figure 2 shows the parts and parts bags shipped with JWP.

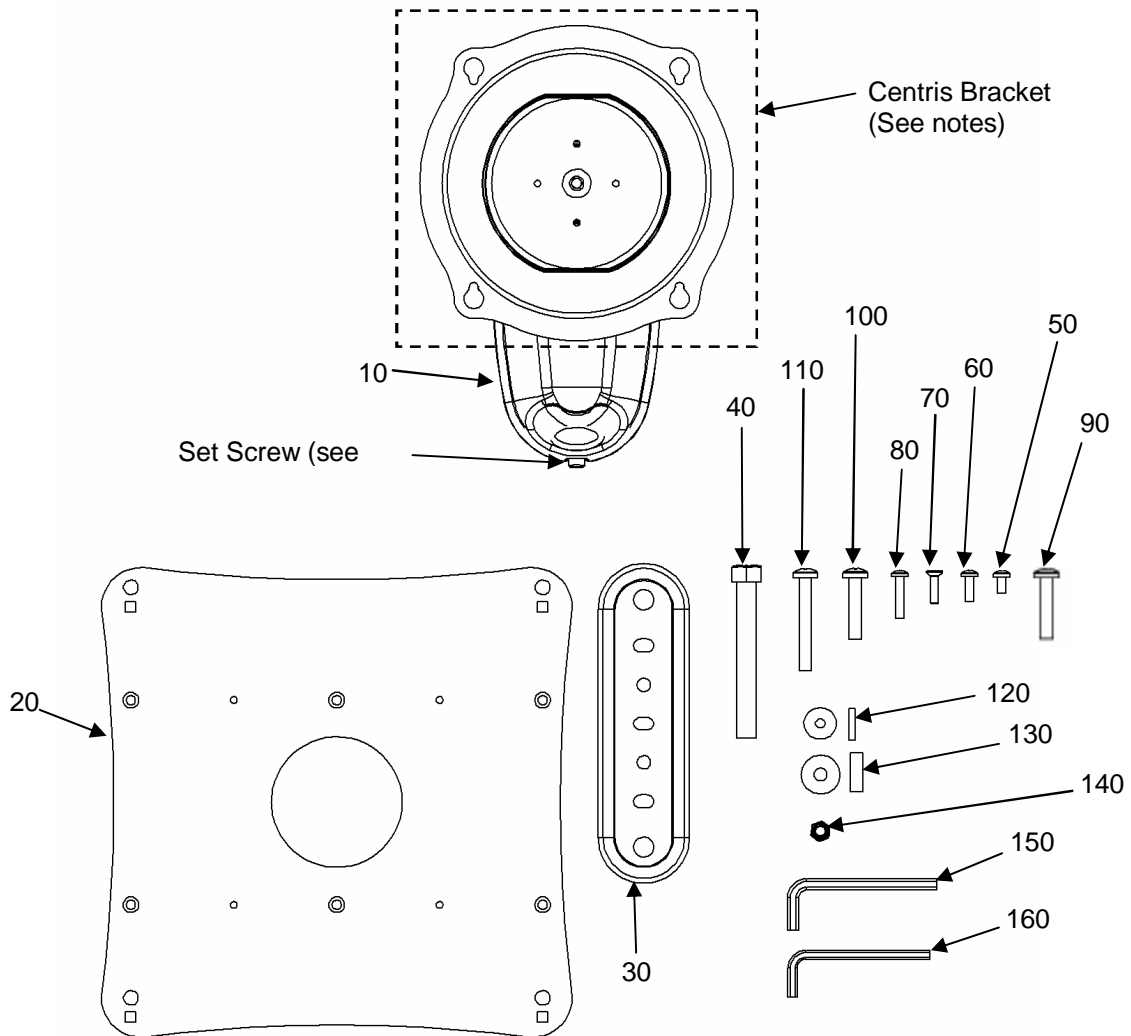


Figure 2. JWP Components

PARTS

Table 3 provides a list of the individual part and parts bags shipped with JWP parts.

Table 3. JWP Parts List

Item	Bag	Description	Qty	Notes
10	10	JWP MOUNT	1	See page 5 for graphic.
20	—	Interface Adapter	1	Use with 50
30	—	Wall Bracket	1	Use with 40
40	—	Lag Screws, 3/8" x 3"	2	Use with 30
50	A	Phillips Pan Head Machine Screw, M4 X 8mm	4	Use with 20
60		Phillips Pan Head Machine Screw, M4 X 12mm	4	[Color Black] Use with Centris Interface
70		Phillips Flat Head Machine Screw, M4 X 16mm	6	Use with 120
80		Phillips Pan Head Machine Screw, M4 X 20mm	4	Use with 130
90	B	Phillips Pan Head Machine Screw, M6 X 20mm	4	Use with 130
100		Phillips Pan Head Machine Screw, M6 X 30mm	4	Use with 130
110		Phillips Pan Head Machine Screw, M6 X 45mm	4	Use with 130
120	C	Nylon Spacer, 1/8"	6	Use with 70
130		Nylon Spacer, 1/4"	4	Use with 80, 90, 100 and 110
140	D	Nylock Nut, 10-24	4	Use with MSB
150		Hex Key, 5/32"	1	For Set Screw
160		Hex Key, 3/16"	1	For Tension Adjust.
170**	E	Phillips Pan Head Machine Screw, M5 X 20mm	4	Use with 120
180**		Phillips Pan Head Machine Screw, M5 X 30mm	4	Use with 130
190**		Phillips Pan Head Machine Screw, M5 X 45mm	4	Use with 130
**Included but not shown				

SECURE WALL BRACKET

⚠ WARNING: It is the responsibility of the installer to verify that the surface to which the mount is anchored will safely support the combined load of all attached components and equipment.

Install wall bracket as follows:

1. Determine exact mounting location prior to installation, considering unit's swing arm and extension radius.
2. Using wall bracket (30) as a template, mark two pilot holes. (See Figure 3).
3. Drill two 1/4" pilot holes a minimum depth of 2" into wood stud.

NOTE: Make sure wall bracket is level before installing lag bolts.

4. Using a 9/16" socket wrench, install two lag bolts (40) to wall. Do not over-tighten the lag bolts.

IMPORTANT: Overtightening lag bolts may cause bracket to compress into soft wall surface, resulting in difficult mount installation or improper engaging of set screw (Ref. "Attach Mount to Wall Bracket," page 11, step 2). If this occurs, remove bracket, install 3/8" steel washers as required between bracket and wall surface, and reinstall bracket.

INSTALLATION (100mm x 100mm)

Flush Mount Centris Bracket to Display

To flush mount Centris Bracket:

1. Start two M4 x 12mm screws (80) into top mounting holes (not shown) on display.
2. Align mounting holes on Centris Bracket with screws installed on display. Hang display on Centris Bracket (see Figure 4).
3. Install two remaining M4 x 12mm screws (80) into bottom mounting holes on display.
4. Tighten screws.
5. Proceed to "ATTACH MOUNT TO WALL BRACKET" on page 11.

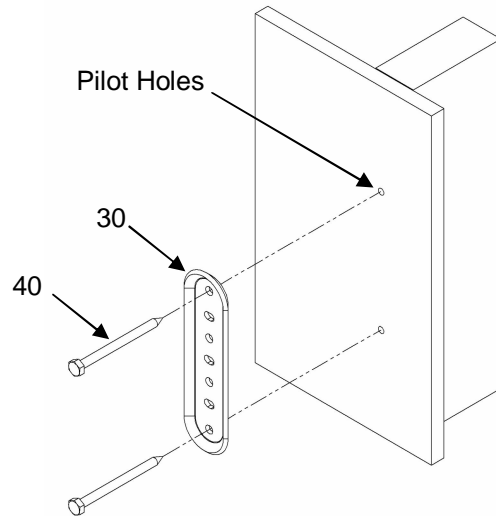


Figure 3. Secure Wall Bracket

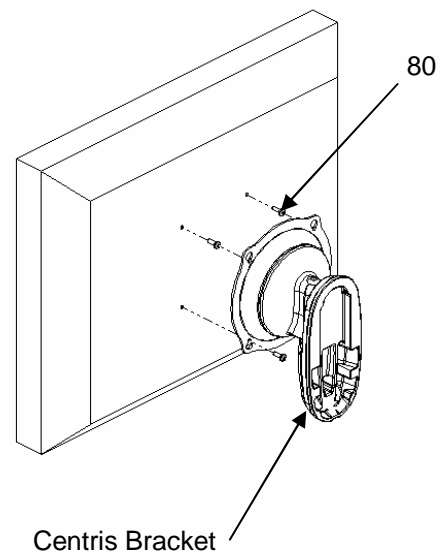


Figure 4. Flush Mount Centris Bracket to Display

Recess Mount Centris Bracket to Display

To recess mount Centris bracket:

1. Lay display down on a flat surface.

CAUTION: Make sure surface is clean and free of dirt and debris before laying display down.

2. Select four screws M4 x 20mm screws (80) and four spacers (130) from parts bag.
3. Place four spacers (130) over mounting holes on back of display (see Figure 5).
4. Align mounting holes on Centris bracket with spacers installed on display.
5. Install four screws M4 x 20mm screws (80) to attach Centris bracket to display.
6. Tighten screws.
7. Refer to "ATTACH MOUNT TO WALL BRACKET" section on page 11.

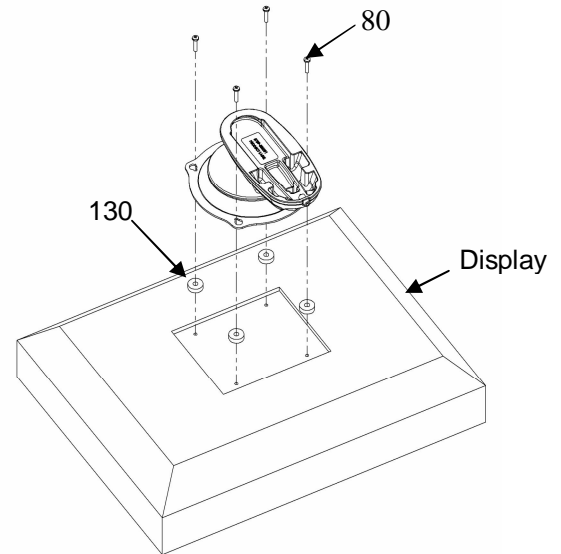


Figure 5. Recess Mount Centris Bracket to Display

INSTALLATION (200mm x 100mm)

Attach VESA Plate to Display

1. Lay display face down on a flat surface.

CAUTION: Make sure surface is clean and free of dirt and debris before laying display down.

2. Place six spacers (120) over six mounting holes in display as shown in Figure 6.
3. Attach VESA Plate (20) to display using six M4 x 16mm flat head screws (70).
4. Tighten screws.

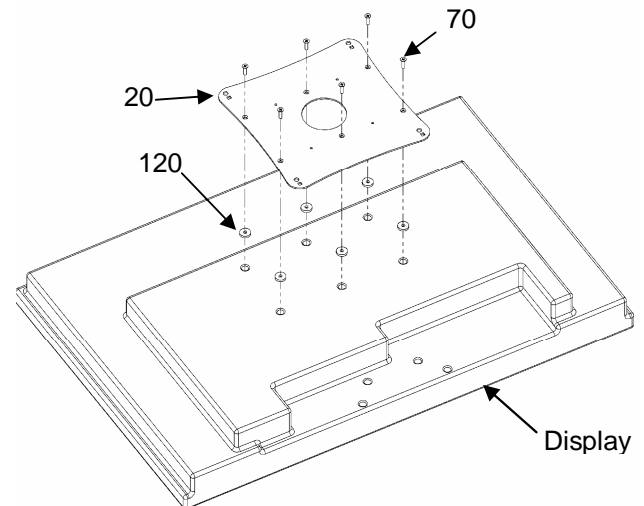


Figure 6. Attach Interface Bracket to Display
(200mm x 100mm)

Attach Display to Centris Bracket

1. Start two M4 x 8mm Phillips pan head screws (50) into top mounting holes on VESA Plate (20).
2. Align mounting holes on Centris bracket with screws installed in Step 1 (see Figure 7).
3. Install remaining two M4 x 8mm Phillips pan head screws (50) into bottom mounting holes of VESA Plate (20).
4. Tighten screws.
5. Proceed to "ATTACH MOUNT TO WALL BRACKET" section on page 11.

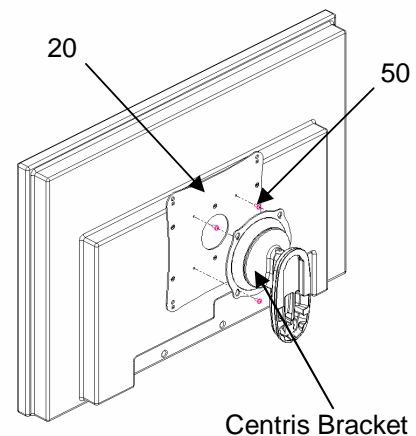


Figure 7. Attach Display to Centris Bracket

INSTALLATION (200mm x 200mm)

⚠ WARNING: It is the responsibility of the installer to use the correct diameter and length of fastener to attach interface to back of display. Failure to do so may cause damage to the display or personal injury.

Attach VESA Plate to Display

1. Lay display face down on a flat surface.

NOTE: Make sure surface is clean and free of dirt and debris before laying display down.

2. Place four spacers (130) over four mounting holes in display as shown in Figure 8.
3. Depending on mounting hole size and depth, attach VESA Plate (20) by selecting applicable screws size, as follows (see Figure 9):
 - a. Use four M4 x 20mm pan head screws (80) and square holes to attach VESA Plate (20). Or,
 - b. Use four M6 x 20mm pan head screws (90) and round holes to attach VESA Plate (20). Or,
 - c. Use four M6 x 30mm pan head screws (100) and round holes to attach VESA Plate (20). Or,
 - d. Use four M6 x 45mm pan head screws (110) and round holes to attach VESA Plate (20).
4. Tighten screws.

Attach Display to Centris Bracket

1. Start two M4 x 8mm Phillips pan head screws (50) into top mounting holes on VESA Plate (20). See Figure 10.
2. Align mounting holes on Centris bracket with screws installed in Step 1.
3. Install two remaining M4 x 8mm Phillips pan head screws (50) through bottom mounting holes of Centris bracket, and into VESA Plate (20).
4. Tighten screws.
5. Proceed to "ATTACH MOUNT TO WALL BRACKET" section on page 11.

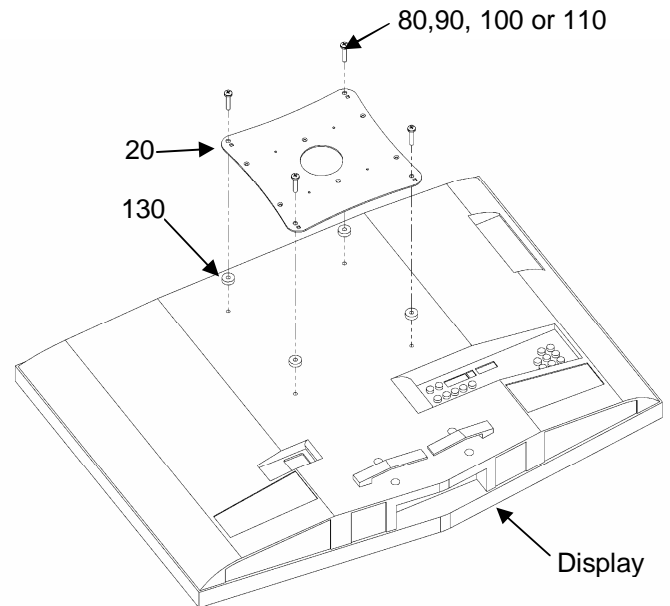


Figure 8. Attach Interface Bracket to Display

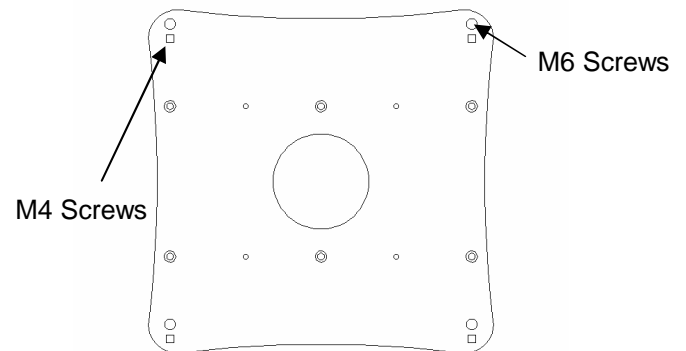


Figure 9. VESA Plate Mounting Holes

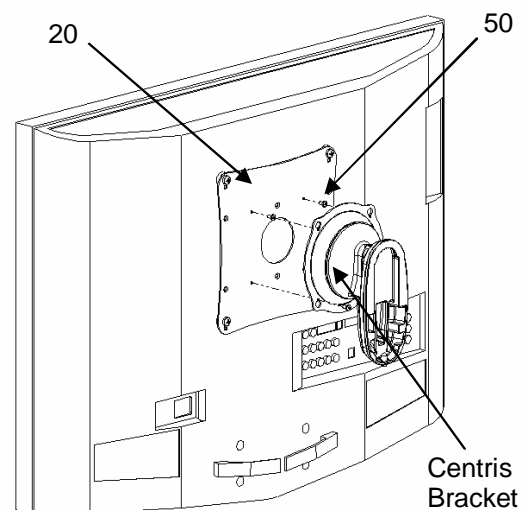


Figure 10. Mount Display to Centris Bracket

INSTALLATION (MSB CUSTOM INTERFACE)

Attach Display to Centris Bracket

NOTE: Many MSB Custom Interface brackets require the use of the VESA Plate (20) and the 10-24 Nylock nuts shipped with this mount. Follow specific instructions received with the MSB Custom Interface to install the MSB to back of display.

1. Start two M4 x 8mm Phillips pan head screws (50) into top mounting holes of VESA Plate (20) or MSB interface bracket, depending on configuration (see Figure 11 or Figure 12).
2. Align mounting holes on Centris bracket with screws installed in MSB or VESA Plate in Step 1. See Figure 13.
3. Install two remaining M4 x 8mm Phillips pan head screws (50) into bottom two mounting holes of MSB or VESA Plate (20). See Figure 13.
4. Tighten screws.
5. Proceed to "ATTACH MOUNT TO WALL BRACKET" section on page 11.

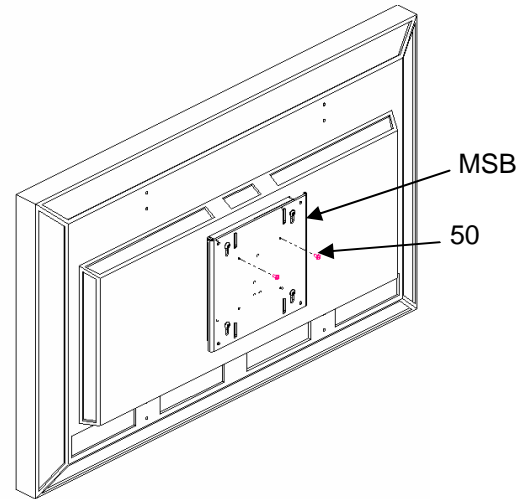


Figure 11. MSB without VESA Plate

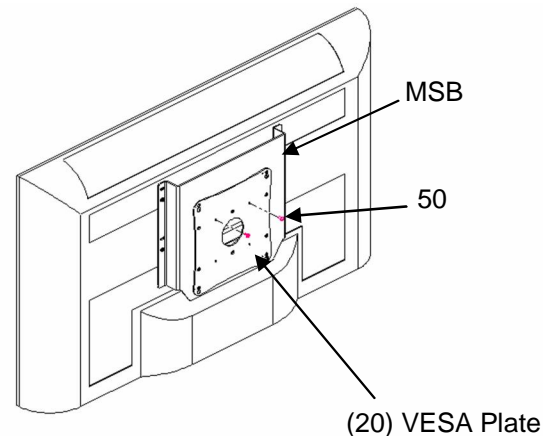


Figure 12. MSB with VESA Plate

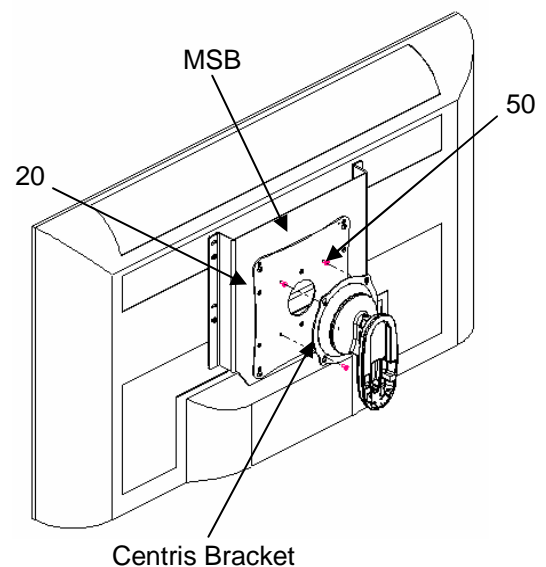


Figure 13. Mount MSB to Centris Bracket

ATTACH MOUNT TO WALL BRACKET

To attach mount to wall bracket:

1. Align top of mount (10) with top of wall bracket (30). Push bottom of mount against bottom of wall bracket until mount fits snugly in place (see Figure 14).
2. Using 5/32" hex wrench (160), secure mount to wall bracket by tightening set screw (see Figure 15). Ensure set screw engages back side of bracket to properly secure mount.

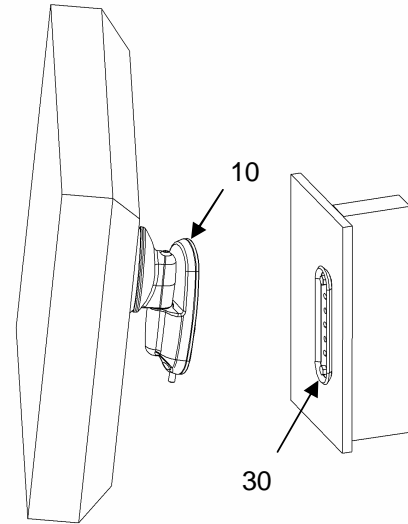


Figure 14. Attach Mount to Wall Bracket

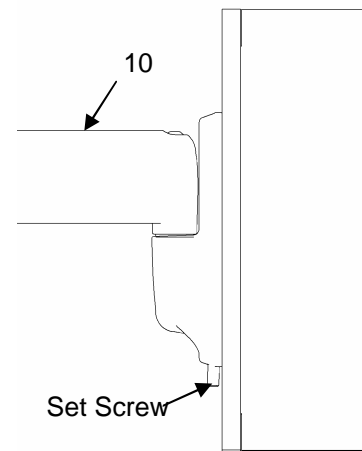


Figure 15. Tighten Set Screw

CABLE MANAGEMENT

WARNING: Make sure your cables do not run through a pinch points. Do not put your fingers between movable parts.

For cable management (not shown), connect and secure power/audio/video cables, making sure to leave sufficient slack to allow for movement of the display.

ADJUST LATERAL TENSION

To adjust Lateral Tension:

1. Move arms laterally to check for desired tension.
2. Using a 3/16" hex wrench slightly tighten or loosen lateral tension adjustment bolts (see Figure 16).
3. Repeat Steps 1 and 2 until desired tension is obtained.

ADJUST PITCH TENSION

To adjust Pitch Tension:

1. Tilt display to check for desired tension.
2. If pitch tension in Centris Bracket requires adjustment, perform the following steps:
 - a. Remove Display from Centris Bracket.
 - b. Using a 3/16" hex wrench, slightly tighten or loosen pitch adjustment bolt to adjust Centris Bracket as needed (see Figure 17).
 - c. Reinstall display.
3. Repeat Steps 1 and 2 until desired tension is obtained.

Lateral Tension Adjustment Bolt

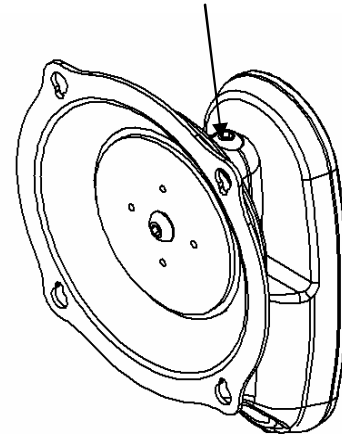


Figure 16. Adjust Lateral Tension

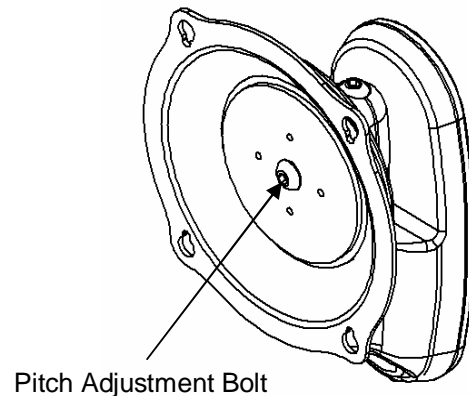


Figure 17. Adjust Pitch Tension