
INSTALLATION INSTRUCTIONS

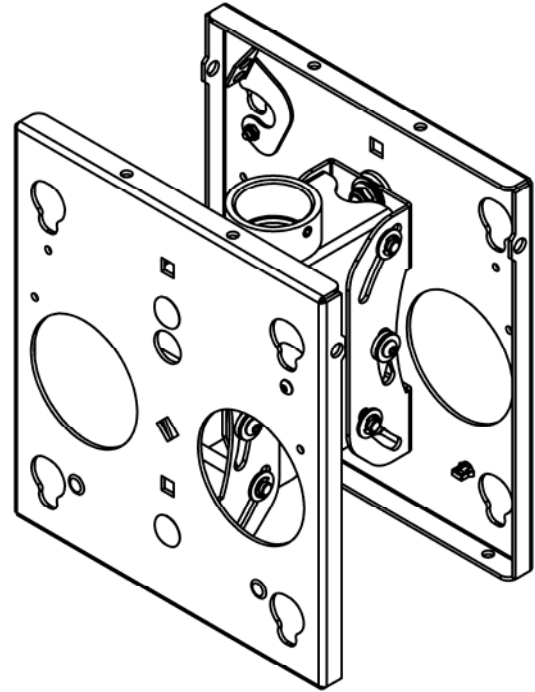
MSP-DCC-LMCD Dual Ceiling Mount

The LMCD is a strong, durable ceiling mount that hangs a single flat panel.

The teardrop holes in the mounting faceplate allow for quick connect/disconnect of the display, thus simplifying installation and maintenance processes.

The tilt range for each individual mounting faceplate is 5° up and 20° down. Once adjusted for optimal viewing, the position of each faceplate can be locked in place to prevent accidental alignment changes.

The mount also uses Chief's exclusive Q-Latch™ mounting system, which offers quick connect/disconnect display mounting. The display is secured to the mount with a latching flag. For additional security, you can lock the latching flag in place by adding a padlock.



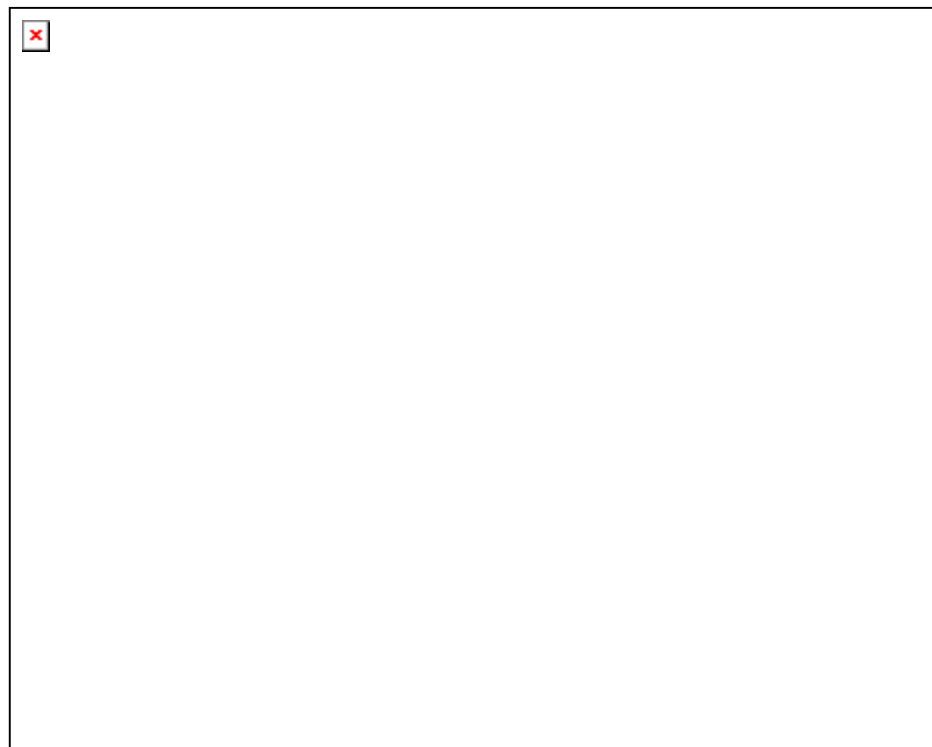
BEFORE YOU BEGIN

- **CAUTION:** To prevent damage to your display and LMCD, which could affect or void the Factory warranty, thoroughly study all instructions and illustrations before you begin to install the mount. Pay particular attention to the Warnings and Cautions in this document.
- The maximum weight to be installed on the LMCD ceiling mount is 200 lbs (90.72kg).
- If a defect is discovered after Dell's initial 21-day Customer Satisfaction period, Chief Mfg. will, at its option, repair or replace the product at no charge provided it is returned during the warranty period. Please note the contact information for Chief Mfg. listed below.
- If you have any questions about this installation, contact Chief Manufacturing at 1-800-582-6480 or 952-894-6280.

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 installed correctly. Consider the weight of the mount without the display.
• WARNING	The installer is responsible for verifying that the display to which the ceiling mount is fastened will safely support the combined load of all attached components or other equipment.
• WARNING	The combined weight of the display placed on the ceiling mount must not exceed 200 lbs (90.72kg), the maximum support weight of the mount.
• WARNING	Watch for pinch points. Do not put your fingers between movable parts.
• WARNING	Make sure the flag securing the display is completely engaged at all times <i>except</i> when removing or installing the display. The flag must be all the way down when installing/removing cables.
• CAUTION	Check the unit for shipping damage before you begin the installation.

DIMENSIONAL DRAWING



NOTE: CUSTOM INTERAFCE BRACKET NOT SHOWN. THE CUSTOM INTERFACE BRACKET NEEDED FOR YOUR DISPLAY WILL ADD BETWEEN 1/2" AND 2" IN DEPTH AND MAY AFFECT LOCATION OF DISPLAY ON THE MOUNT.

SEE MSB-XXXX DRAWING ALSO.

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PARTS LIST

Prior to assembly, unpack the carton completely. Verify contents listed in Table 1 and Figure 1.

Read installation instructions completely. If you are missing any of the listed parts, contact Customer Service at: 1-800/582-6480.

Table 1. Parts List

REF	DESCRIPTION	QTY
10	LMCD Ceiling mount assembly	1
20	SOCKET SET SCREW, 5/16" – 18	1
30	HEX WRENCH, 5/32"	1

TOOLS REQUIRED FOR INSTALLATION

- 5/32" Allen Wrench (provided)
- Allen wrench set
- Socket wrench set
- Pipe wrench

NOTE: Other tools may be required depending on your method of installation.

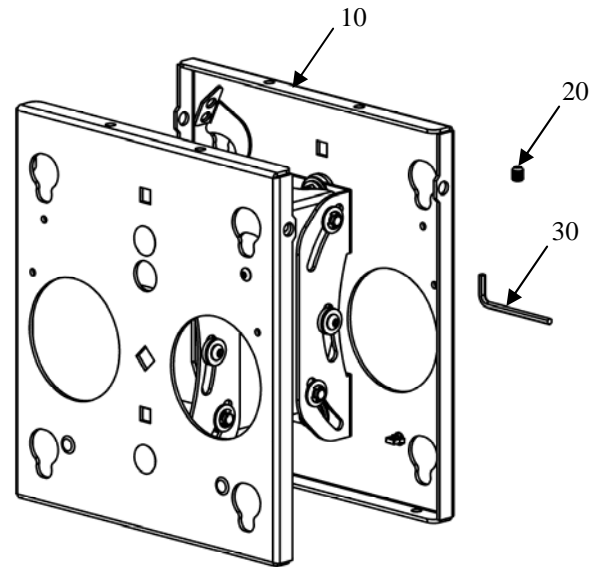


Figure 1. LMCD Parts

INSTALLATION

NOTE: Read the Warnings and Cautions on page 2.
Perform the following procedures to install the mount.

NPT Pipe Requirements

WARNING: It is the responsibility of the installer to verify that the 1-1/2" NPT pipe to which the mount is anchored will safely support the combined load of all attached components and equipment.

Prior to mount attachment, the installer must ensure that the 1-1/2" NPT pipe meets the following conditions:

- Meet building codes
- Already be installed in place
- Connected to compatible mounting hardware appropriate to ceiling conditions
- Meet the required length from the ceiling to the mount connection end
- Be threaded on the mount connection end
- Safely support the combined load of all attached components and equipment

Attach Mount to NPT Pipe

To attach the mount to the NPT pipe, do the following:

1. Thread the mount (10) onto the existing 1-1/2" NPT pipe at least four complete turns (see Figure 2).
2. Using the hex wrench (30), insert the 5/16"-18 set screw (20) into the threaded collar on the mount (10).

NOTE: The set screw must be installed to prevent movement of the NPT pipe.

3. Tighten set screw (20) to lock the mount in position.

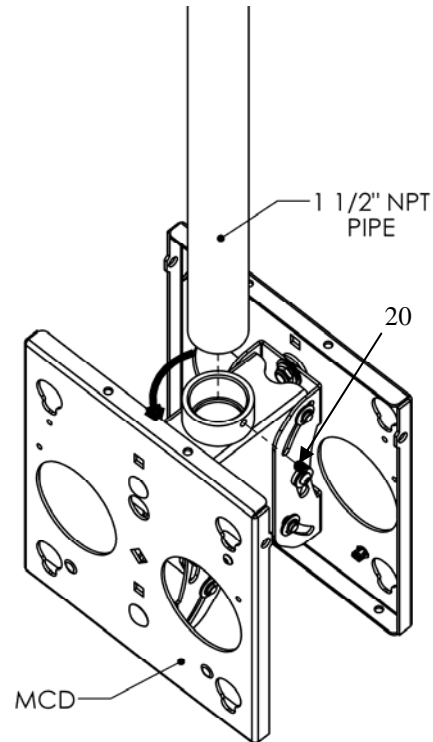


Figure 2. Attach NPT Pipe to Mount

ATTACH MSB TO THE DISPLAY

NOTE: No MSB is needed when four mounting buttons are physically attached to the display, allowing for direct attachment to the mount.

To attach the MSB to the display, do the following:

- To help you identify the correct MSB that matches the model number of your display, refer to the cross-reference chart at www.chiefmfg.com.
- To download the corresponding MSB installation instructions, refer to www.chiefmfg.com.

OR

- Contact Customer Service at 952-894-6280 if you have any questions about how to select the MSB that matches the model number of your display.

INSTALL THE DISPLAY

To install the display, do the following:

NOTE: Verify that all power/audio/video cables are disconnected from the display and the latching flag is lowered in the down position before attempting to mount the display.

1. With the aid of another person, lift the display up onto the ceiling mount, aligning mounting buttons with the teardrop slots on the mount, and lower the display firmly into place (Figure 3).
2. Raise the latching flag to secure the display (see Figure 5). If the flag does not fully engage, check to ensure the mounting buttons are fully seated in the slots.

NOTE: A padlock may be installed through the hole in the latching flag for additional security.

REMOVE THE DISPLAY

To remove the display from the mount, do the following:

1. Disconnect all power/audio/video cables.
2. Lower the latching flag to unlock the display (see Figure 4).
3. With the aid of another person, lift the display up and out of the teardrop slots in the ceiling mount to remove the display.

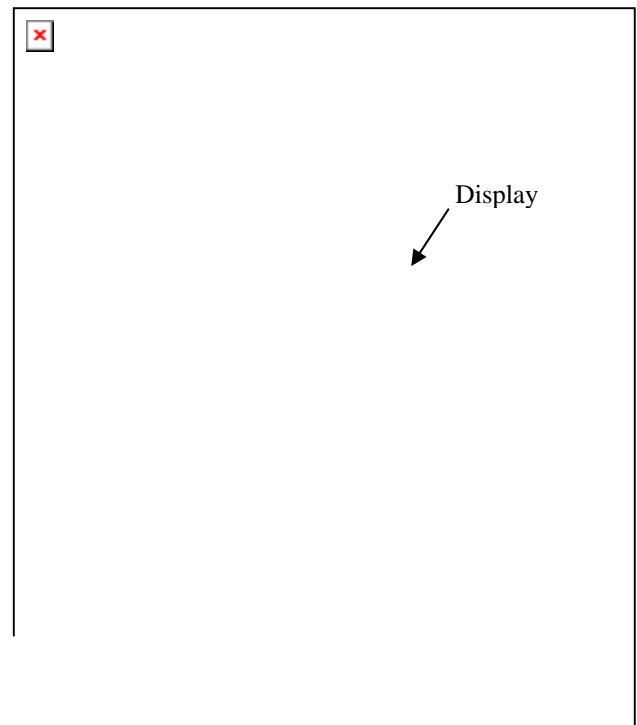


Figure 3. Install the Display



Figure 4. Lower Q-Latch

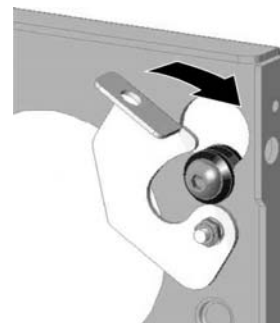


Figure 5. Raise Q-Latch

ADJUSTMENTS

Perform the following procedures to adjust the displays on the dual mount to the desired angles.

NOTE: When making an adjustment, tighten the nut and screws only to adjust the amount of tension needed to hold the mount in place. Do not over-tighten the fasteners. Over-tightening the fasteners may cause excessive wear and may damage your mount.

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

Roll Adjustment

To make roll adjustment, do the following:

1. Using a 9/16" socket wrench, loosen the 3/8"-16 Nylock nut at rear of mounting plate as shown in Figure 6.
2. Tilt the mounting plate left or right as needed.
3. Tighten the nut to hold the mount in the position set in Step 2.

Pitch Adjustment

To make pitch adjustment, do the following:

1. Adjust display to the desired pitch (see Figure 6).
2. Using the 5/32" hex wrench (40), tighten the screw to hold the mount in the position, if necessary.

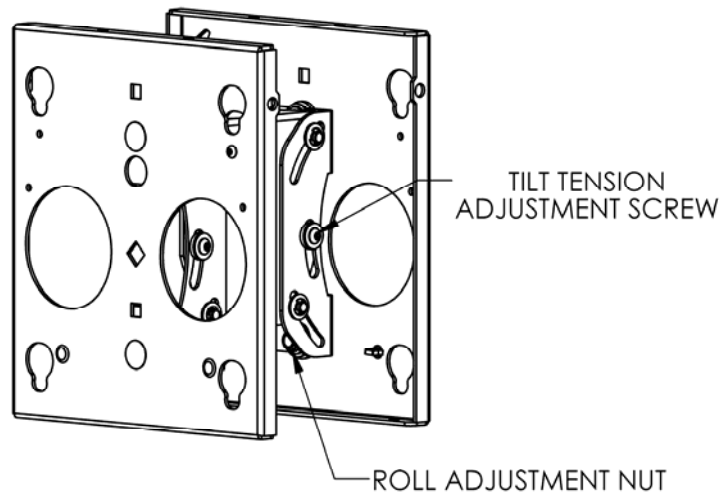


Figure 6. Roll Adjustment