ECM-3763S

Installation Guide

Elliptical Ceiling Mount for Single Sided
Flat Panel display up to 175 lbs / 80kg

PM PREMIER MOUNTS®

9531-007-024-0X REV A

Weight Capacity

175 lbs.
Maximum flat panel weight:

The ceiling structure must be capable of holding five (5) times the weight of the flat panel and mount. If not, then the ceiling structure must be reinforced.

Warning Statements

Install the mount according to the instructions provided by Premier Mounts. Perform all structural reinforcements before attaching the flat panel to the ceiling mount. Use the appropriate lifting device when lifting the flat panel into place. Make sure to secure all bolts and screws tightly to ensure the safety of the installation.

Prior to the installation of this product, the installation instructions must be read and completely understood to prevent personal injury and property damage. Keep these installation instructions in an easily accessible location for future reference.

Premier Mounts does not warrant against damage caused by the use of any Premier Mounts product for purposes other than those for which it was designed or damage caused by unauthorized attachments or modifications, and is not responsible for any damages, claims, demands, suits, actions, or causes of action of whatever kind resulting from, arising out of, or in any manner relating to any such use, attachments, or modifications.

Safety measures must be practiced at all times during the assembly of this product. Use proper safety gear and tools for the assembly procedure to prevent personal injury.

At least two qualified people should perform the assembly procedure. Personal injury and/or property damage can result from dropping or mishandling the flat panel.

Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in the ceiling. Cutting or drilling into an electrical line may cause serious personal injury.

Make sure there are no water or natural gas lines inside the ceiling where the mount is to be located. Cutting or drilling into a water or gas line may cause severe property damage or personal injury.
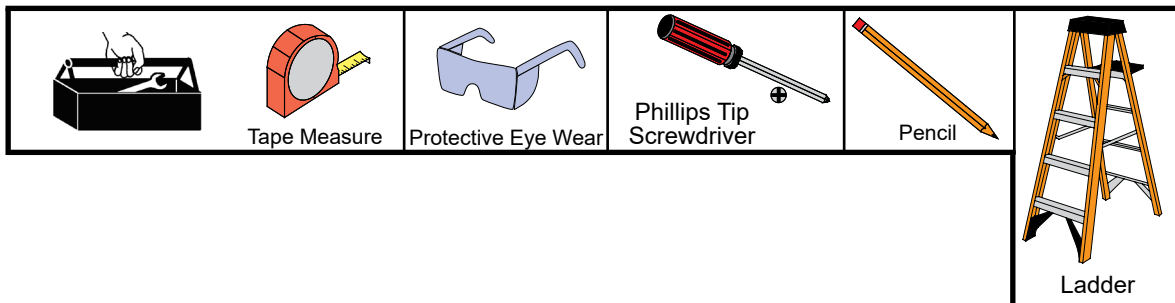
This product is intended for indoor use only. Use of this product outdoors could lead to product failure and/or serious personal injury.
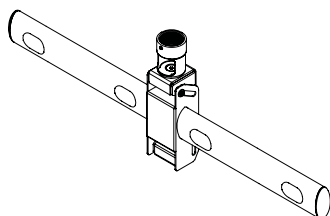
Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.
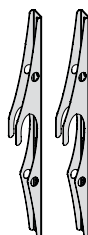
Installation Tools

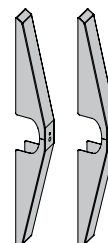| Tape Measure | Protective Eye Wear | Phillips Tip Screwdriver | Pencil | Ladder |

Parts List

Elliptical Tlit Mount (Qty 1)

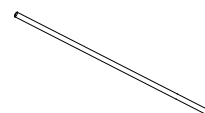Mounting Bracket Arms
(Qty 2)

Decorative Covers (Qty 2)

M4 x 8mm Pan Combo
Screws (Qty 2)

M6 x 25mm Pan Combo
Screws (Qty 2)

Thread Depth Indicator
(Qty 1)

Mounting Hardware

M4 x 16mm Pan Combo
Screw (Qty 6)

M6 x 30mm Pan Combo
Screw (Qty 6)

M4 x 25mm Pan Combo
Screw (Qty 6)

M6 x 45mm Pan Combo
Screw (Qty 6)

M4 x 30mm Pan Combo
Screw (Qty 6)

M8 x 16mm Pan Combo
Screw (Qty 6)

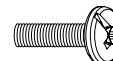M5 x 16mm Pan Combo
Screw (Qty 6)

M8 x 25mm Pan Combo
Screw (Qty 6)
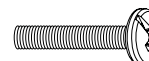
M5 x 25mm Pan Combo
Screw (Qty 6)

M8 x 30mm Pan Combo
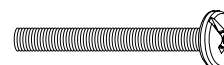Screw (Qty 6)

M5 x 30mm Pan Combo
Screw (Qty 6)

M8 x 45mm Pan Combo
Screw (Qty 6)

M6 x 16mm Pan Combo
Screw (Qty 6)

M8 x 70mm Pan Combo
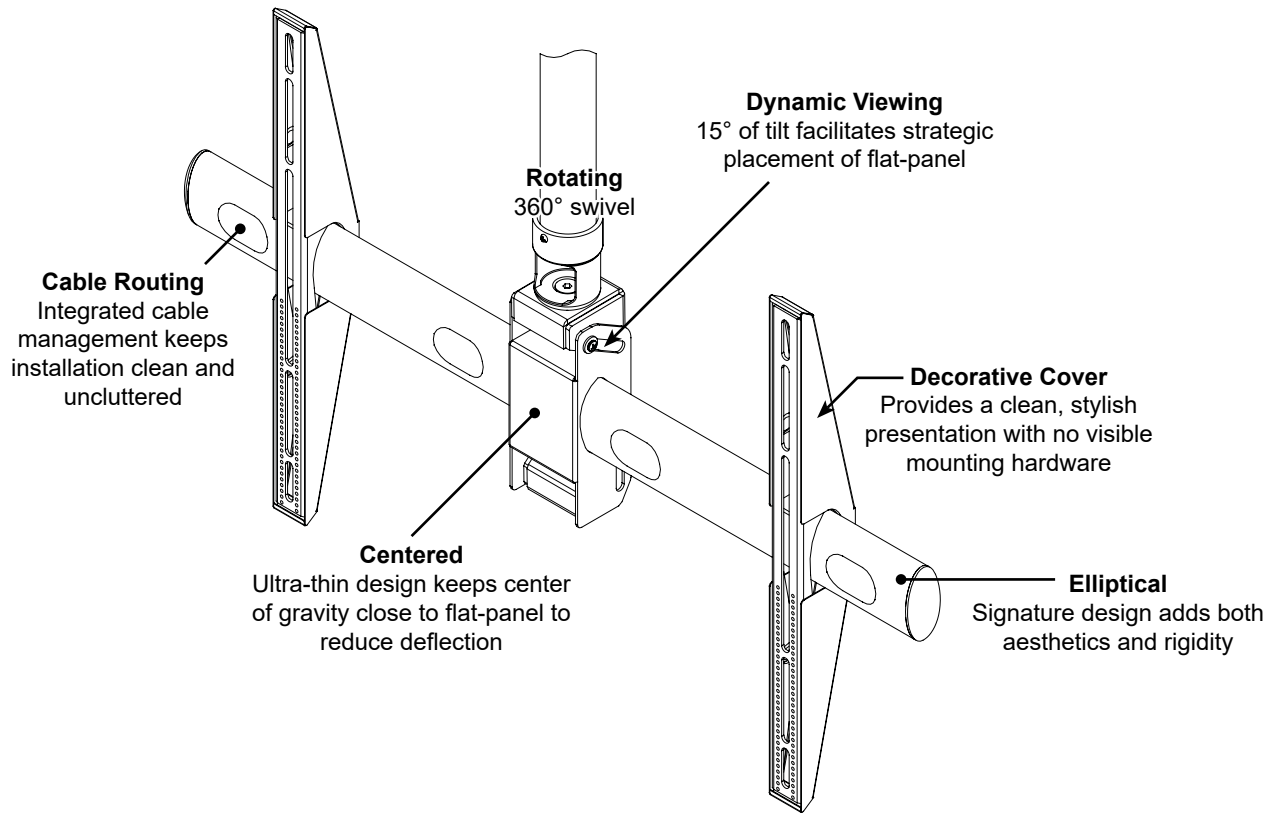Screw (Qty 4)

M6 x 25mm Pan Combo
Screw (Qty 6)

Universal Spacers
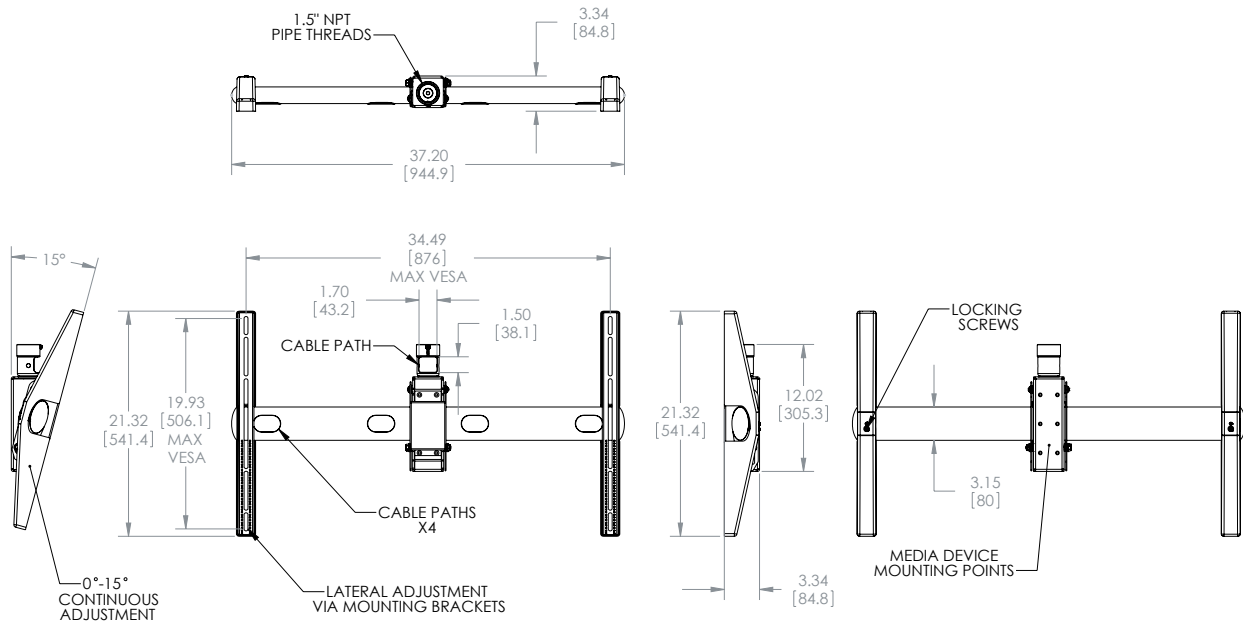(Qty 24)

Griplate™
Washers (Qty 8)

Features

Dynamic Viewing
15° of tilt facilitates strategic placement of flat-panel

Rotating
360° swivel

Cable Routing
Integrated cable management keeps installation clean and uncluttered

Decorative Cover
Provides a clean, stylish presentation with no visible mounting hardware

Centered
Ultra-thin design keeps center of gravity close to flat-panel to reduce deflection

Elliptical
Signature design adds both aesthetics and rigidity

Technical Specifications

All measurements are in inches(mm).

3.34 [84.8]

1.5" NPT PIPE THREADS

37.20 [944.9]

34.49 [876] MAX VESA

1.70 [43.2]

1.50 [38.1]

CABLE PATH

15°

19.93 [506.1] MAX VESA

21.32 [541.4]

0°-15° CONTINUOUS ADJUSTMENT

CABLE PATHS X4

LATERAL ADJUSTMENT VIA MOUNTING BRACKETS

21.32 [541.4]

12.02 [305.3]

3.34 [84.8]

LOCKING SCREWS

3.15 [80]

MEDIA DEVICE MOUNTING POINTS

1 Attaching the ECM-3763S to the Ceiling Adapter

⚠️ 1.5" NPT threaded pipe must be firmly secured to the ceiling structure before performing the following steps.

Thread the elliptical tilt mount onto the 1.5" NPT threaded pipe. Rotate clockwise for at least four complete rotations until the coupler is fully threaded. Tighten screw to secure, fig 2.
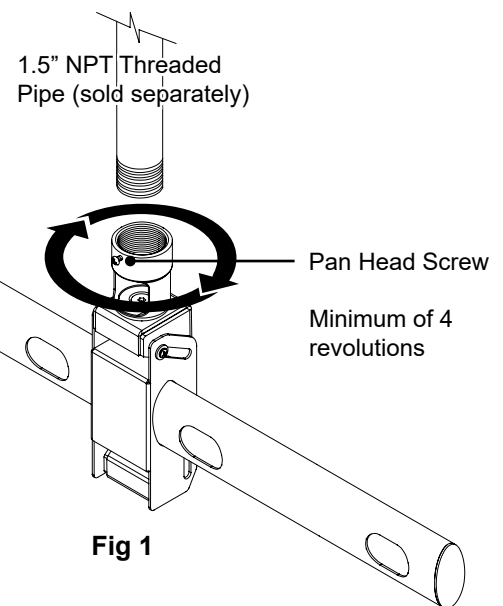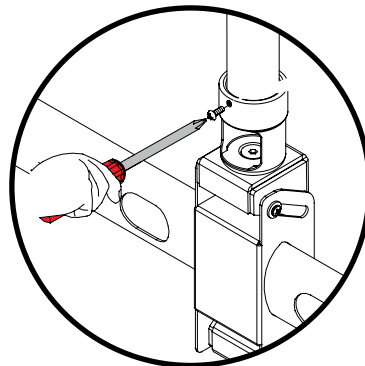
1.5" NPT Threaded Pipe (sold separately)

Pan Head Screw

Minimum of 4 revolutions

Fig 2

Fig 1

2 Selecting the Mounting Hardware

Marking the 1/8" Allowance

Marking the Depth

Threaded Insert

Small Straw or Toothpick

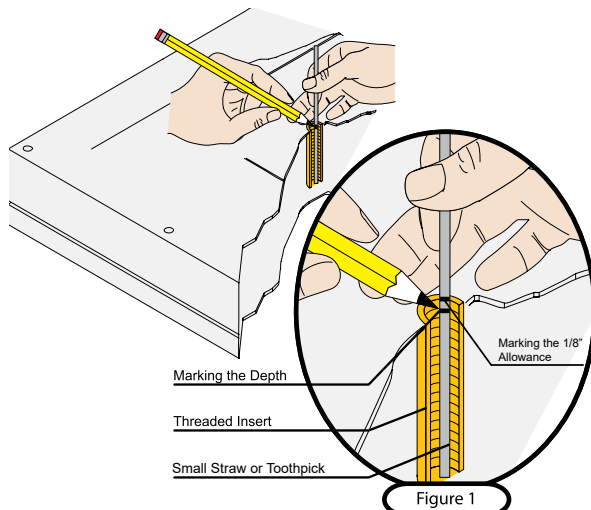Figure 1

1) Insert a small straw or toothpick into the threaded inserts found on the back of the flat-panel.

2) Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.

3) Mark the straw or toothpick 1/8" above the depth of the threaded insert, as shown in Figure 1.

4) Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's 1/8" allowance mark.

5) Locate the correct diameter screw for the threaded insert.

⚠️ If the selected screw is longer than the 1/8" allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

6) Test each size of the screws provided. The correct screws should thread easily into the mounting point and not pull out when tension is applied.
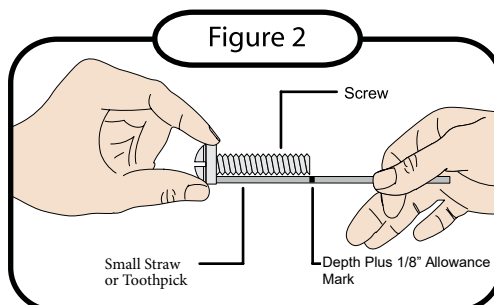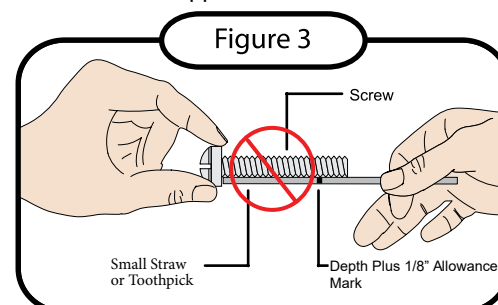
Figure 2

Screw

Small Straw or Toothpick

Depth Plus 1/8" Allowance Mark

Figure 3

Screw

Small Straw or Toothpick

Depth Plus 1/8" Allowance Mark

3 Griplate™ Washer Installation

Griplate™ Washers are designed to accommodate the various M4, M5, M6 and M8 hole sizes required by flat panels.
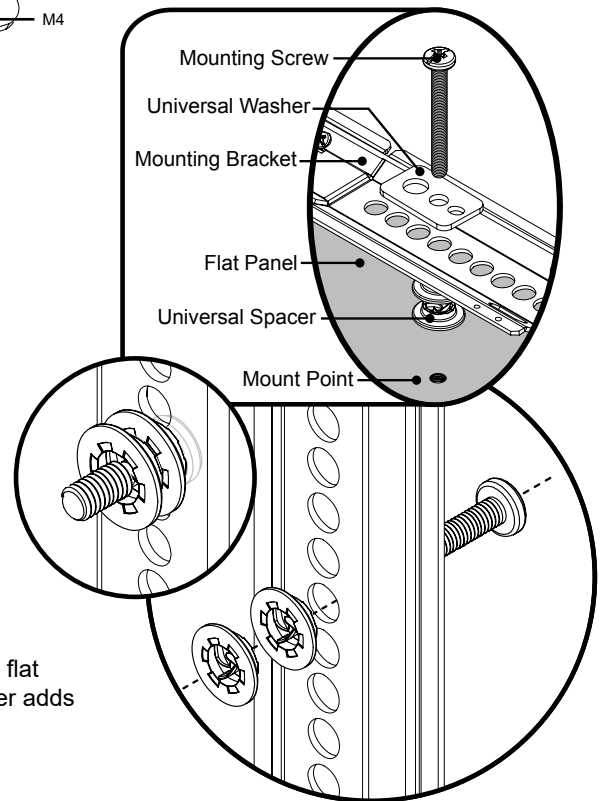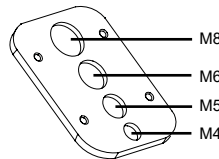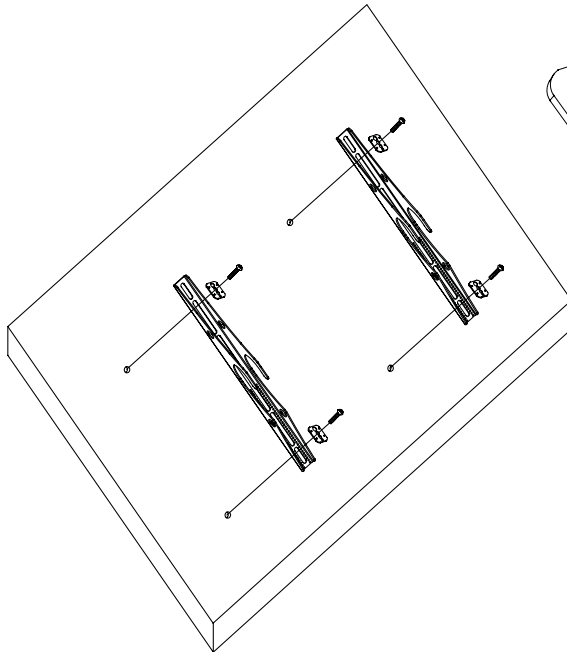
For Griplate™ installation, the dimples must be facing the flat panel for the lower mounting points.
For the upper mounting points, the dimples must be facing away from the flat panel.

Do not place excessive pressure on the back of the flat panel, as this may damage your flat panel.

The Griplate™ Washer must be installed between the head of the mounting screw and the mounting bracket as shown.

M8
M6
M5
M4

Mounting Screw
Universal Washer
Mounting Bracket
Flat Panel
Universal Spacer
Mount Point

4 Universal Spacer Installation

Universal Spacers enable the user to attach the mounting bracket to flat panels with recessed or uneven mount points. Each Universal Spacer adds 1/4" to the gap between the mounting bracket and the flat-panel.

The Universal Spacers must be stacked and aligned as illustrated.

The Universal Spacers should only be fitted between the mounting bracket and the flat panel.

5 Flat Panel Installation

Lower and center the mounting bracket arms and flat panel onto the elliptical mounting bar.

Insert and tighten with an M6 x 25mm Pan Combo screw (larger mounting hole, fig 2) to secure. Make sure the panel is securely in place before proceeding.

Fig 1

STOP Perform all structural reinforcements before attaching the flat panel to the ceiling mount.

⚠️ Do not release the flat panel until the mounting bracket arms are fully resting on the elliptical mounting bar.

☞ The cable access ports face the rear of the flat panel. It may be easier to pre-wire any cables prior to flat panel installation.
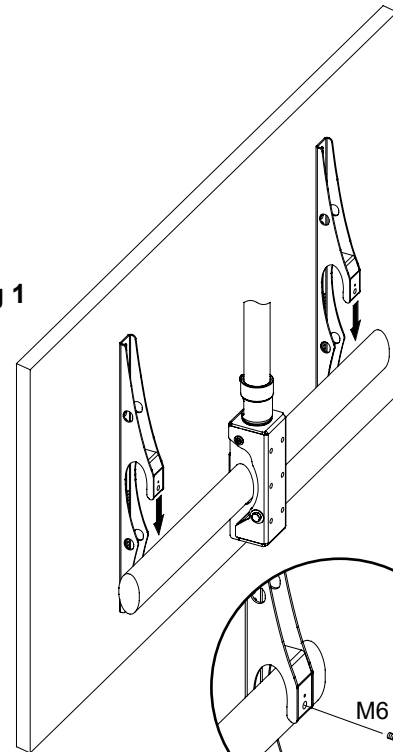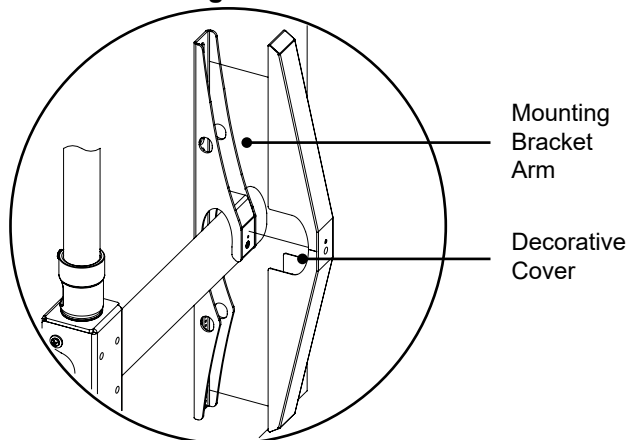
Fig 2

M6 x 25mm

6 Attaching Decorative Covers

Secure the first decorative cover over the first mounting bracket arm by pushing it firmly into place.

Insert and tighten M4 x 8mm Pan Combo screw to secure. See Fig 2. Do not over-tighten the screws.

Fig 1

Mounting
Bracket
Arm

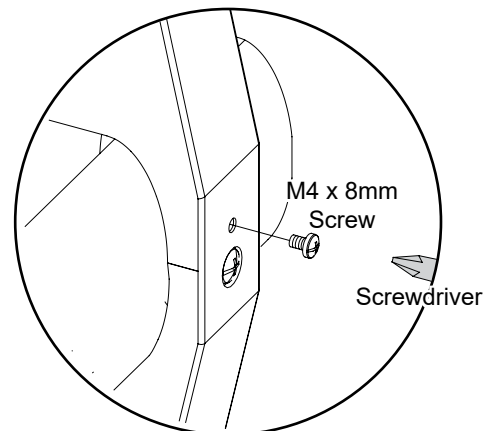Decorative
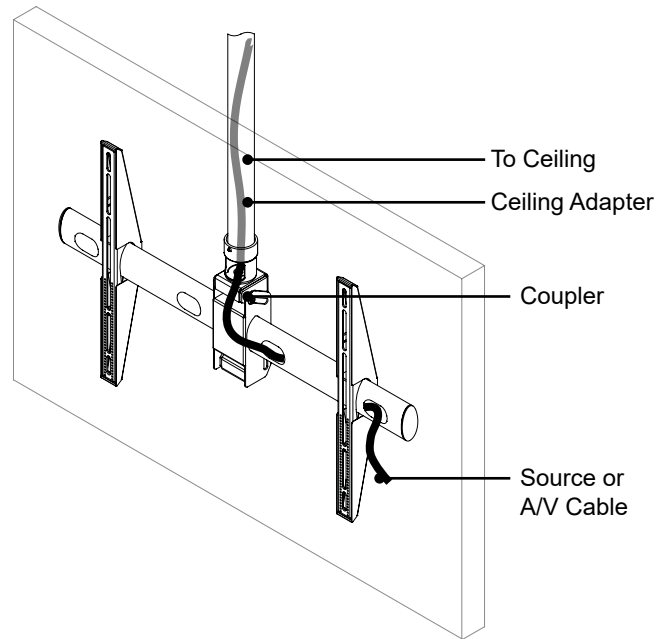Cover

M4 x 8mm
Screw

Screwdriver

Fig 2

7

Cable Management

Route cables through the cable access holes and to their respective locations. Make sure to secure the cables properly to prevent tangling or damage.

The cables can then be routed through the coupler, up the ceiling adapter (not included), and into the ceiling to a predetermined source. Make sure to test the connections before securing them in place.

To Ceiling

Ceiling Adapter

Coupler

Source or
A/V Cable

8

Tilt Positioning

Adjust the screen as necessary. Tilt functions are hand-adjustable, with up to 15 degrees of continuous adjustment. The display should be angled to reduce glare and optimize viewing comfort.

If additional tilt friction is required, tighten the lower nut and lower bolt only, to increase the tilt friction.
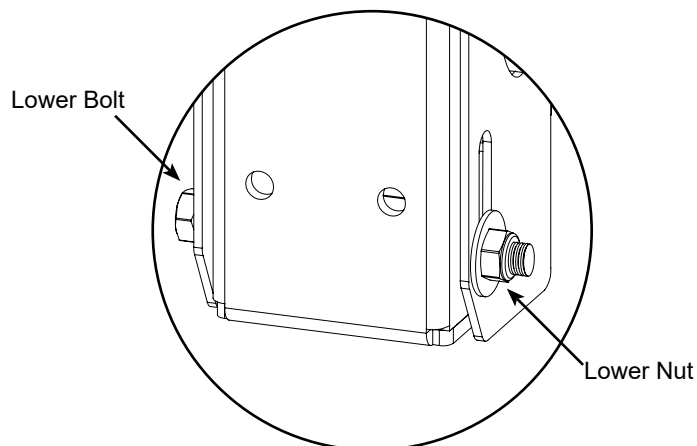
Hand adjustable tilt,
up to 15deg

Fig 1

Lower Bolt

Lower Nut

Fig 2