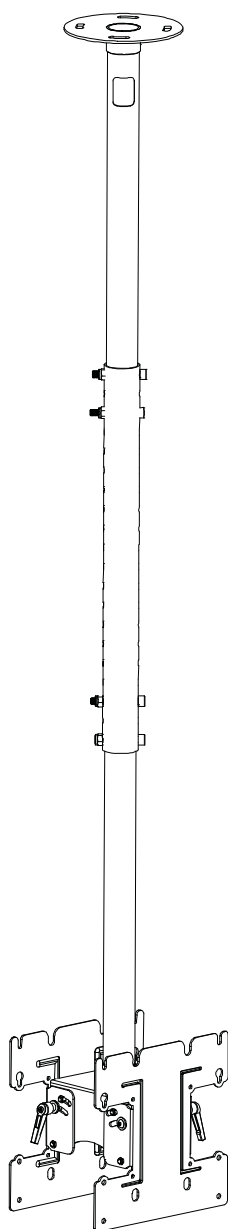


INSTALLATION GUIDE

Ceiling TV Mount

MHP-40

Max Load Capacity: 80 lbs (36kg)



Note: Read entire instruction sheet before you start installation and assembly.

⚠ WARNING

- Be sure to read this entire manual thoroughly and you fully understand all the instructions and warning before attempting to begin your installation.
- This product should only be installed by someone who has a basic knowledge of buiding construction,in stallations and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the mount, the display and all attached hardware and components.
- This wall bracket will only support flat panel displays(LCD,Plasma).The maximum load capacity is 80 pounds.
- If mounting to a wall of wood stud construction, be sure that mounting bolts are anchored to the center of the studs.
- Always have someone assist you to lift and position your equipment.
- Tighten screws and bolts firmly, but do not over tighten. Over tightening can damage the items and greatly reduce their ability to hold. Please refer to suggested torque values where applicable in these instructions.

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- drill with 1/4", 3/8", and 5/32" drill bits

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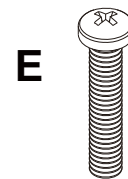
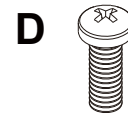
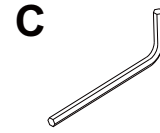
Before you begin, make sure all parts shown are included with your product.

Parts may appear slightly different than illustrated.

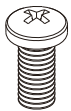
Parts List

Description

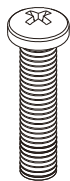
C	allen wrench	1	M2
D	philips pan head screw	8	M4x10
E	philips pan head screw	8	M4x20
F	philips pan head screw	8	M5x15
G	philips pan head screw	8	M5x30
H	philips pan head screw	8	M6x12
I	philips pan head screw	8	M6x30
J	spacer	8	Ø12.7xØ6.0x12.7
K	concrete anchor	4	M8x50
L	washer	4	Ø8.2xØ16x1.5
L	hex bolt screw	4	M8x50
M	Hexagon fillister head screw	2	M4x3
N	nonskid nut	4	M8
N	Hexagon fillister head screw	4	M8x60



F



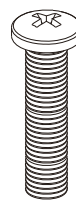
G



H



I



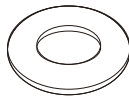
J



K



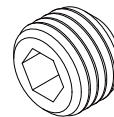
L



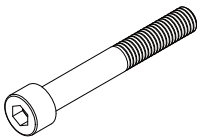
L



M



N



N

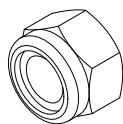
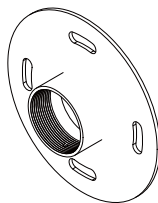


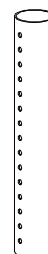
plate (x1)



AA (x1)

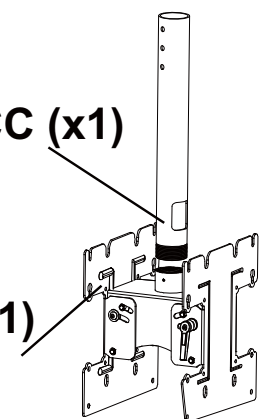


BB (x1)



CC (x1)

DD (x1)

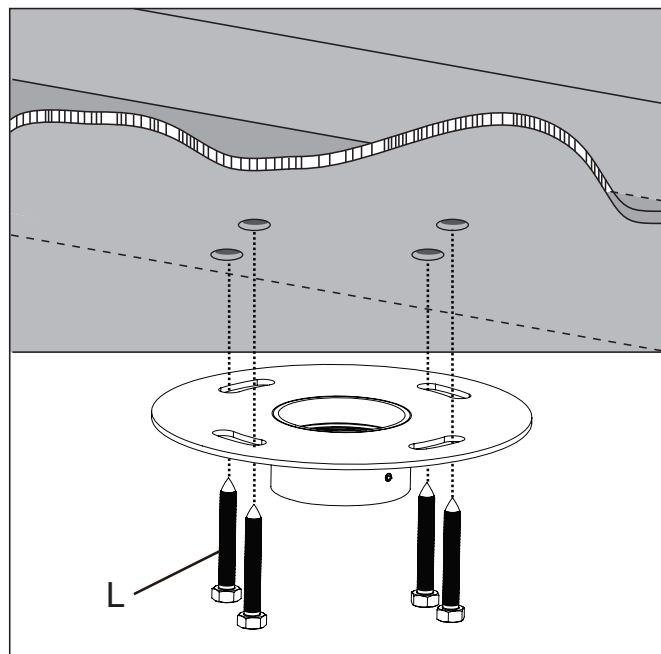


Installation to Wood Joist Finished Ceilings, Exposed Wood Joists, or Wood Beam Ceilings

- 1 Drill four 1/4" (6 mm) dia. holes to a minimum depth of 1.57" (40 mm). Attach ceiling plate with four hex bolt screws M8x50 (**L**) as shown using 1/2" (13mm) socket wrench. Tighten wood screws (**L**), so ceiling plate is firmly attached.

⚠ WARNING

- Tighten wood screws so that ceiling plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Make sure that mounting screws are anchored into the center of the joist. The use of an "edge to edge" stud finder is highly recommended.



Installation to Concrete Ceilings

- 1 Drill four 3/8" (10 mm) dia. holes to a minimum depth of 1.57" (40 mm). Attach ceiling plate using four concrete anchors (**K**) and M8x50 hex bolt screws (**L**) as shown in **Illustration A** and 1, 2, and 3 (below). Tighten all fasteners.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the bolt, greatly reducing its holding power.

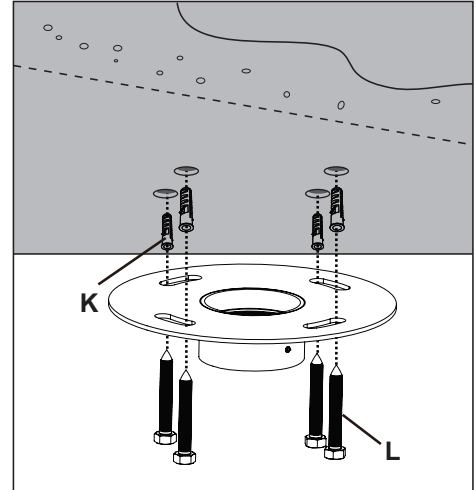
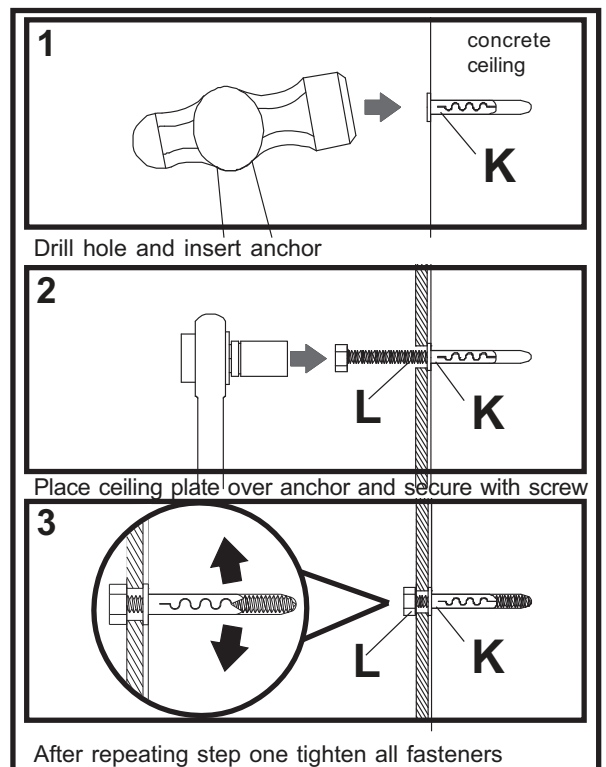
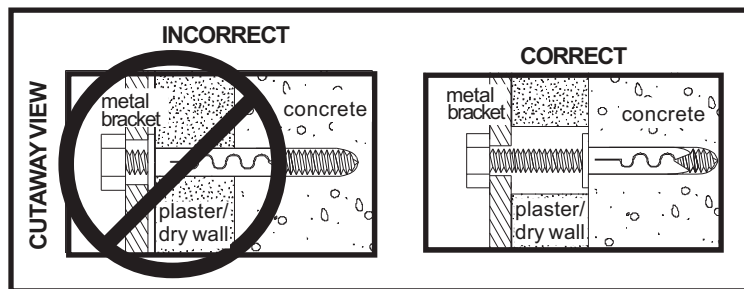


Illustration A

⚠ WARNING

- Concrete anchors are **not** intended for attachment to concrete wall covered with a layer of plaster, drywall, or other finishing material. If mounting to concrete wall covered with plaster/drywall is unavoidable, plaster/drywall (up to 5/8" thick) must be counterbored as shown below. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by installer.



Installation of Extension Column

- 2** Attach threaded end of adjuster tube (AA) to threaded fitting in ceiling plate. Tighten securely aligning slot in end of adjuster tube (AA) with one of the holes in the side of threaded fitting. Insert and tighten one M4 x 3 mm hexagon fillister screw (M) to lock adjuster tube (AA) to threaded fitting.

⚠ WARNING

- Installer must verify that the ceiling will safely support the combined weight of all attached equipment and hardware.

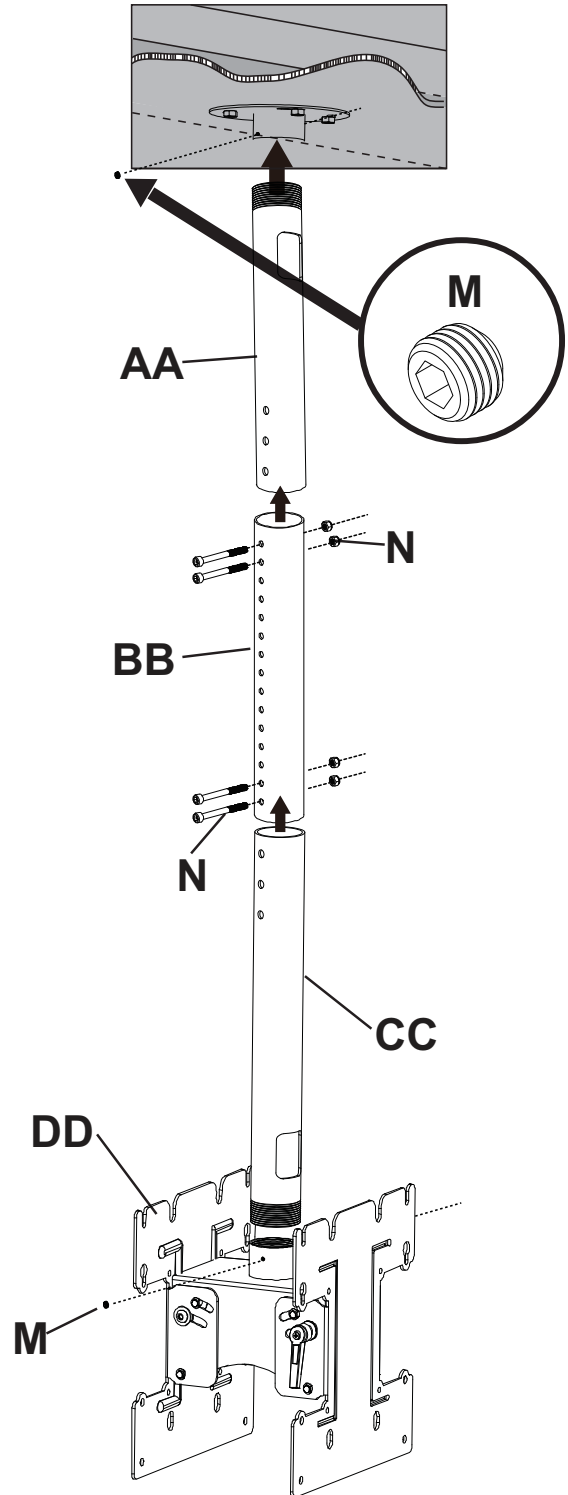
- 3** Slide extension pipe (BB) over adjuster tube (AA) to the desired height. Attach with two M8 x 60 mm hexagon fillister head screws (K) and lock nut (K).

Slide extension pipe (CC) over adjuster tube (BB) to the desired height. Attach with two M8 x 60 mm hexagon fillister head screws (N) and lock nut (N).

Attach threaded end of adjuster tube (DD) to threaded fitting in (DD) and lock nut (M).

⚠ WARNING

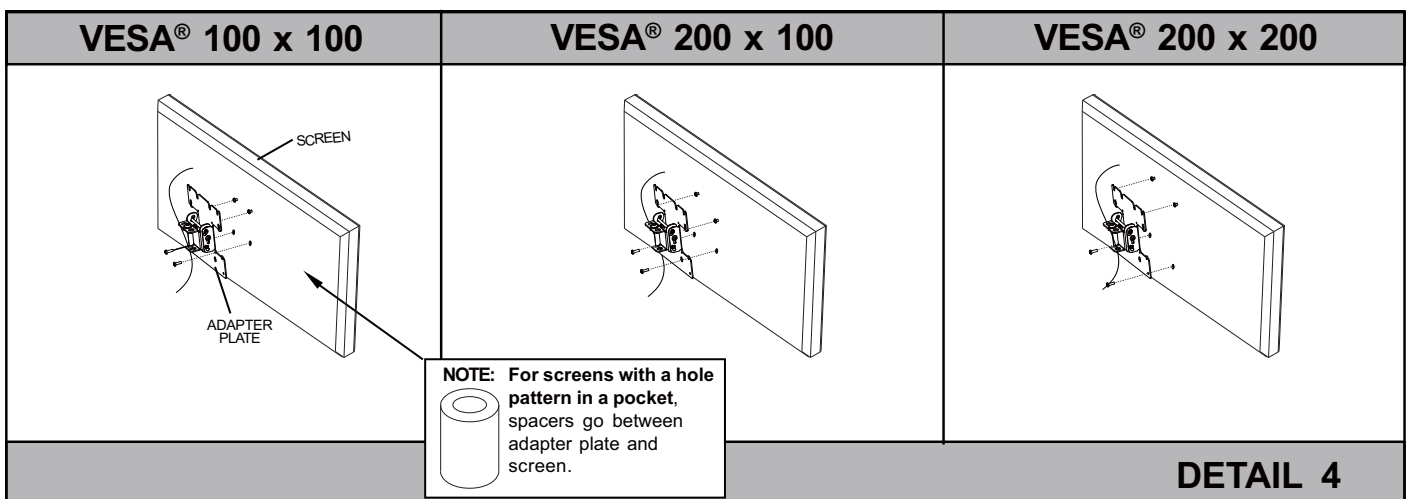
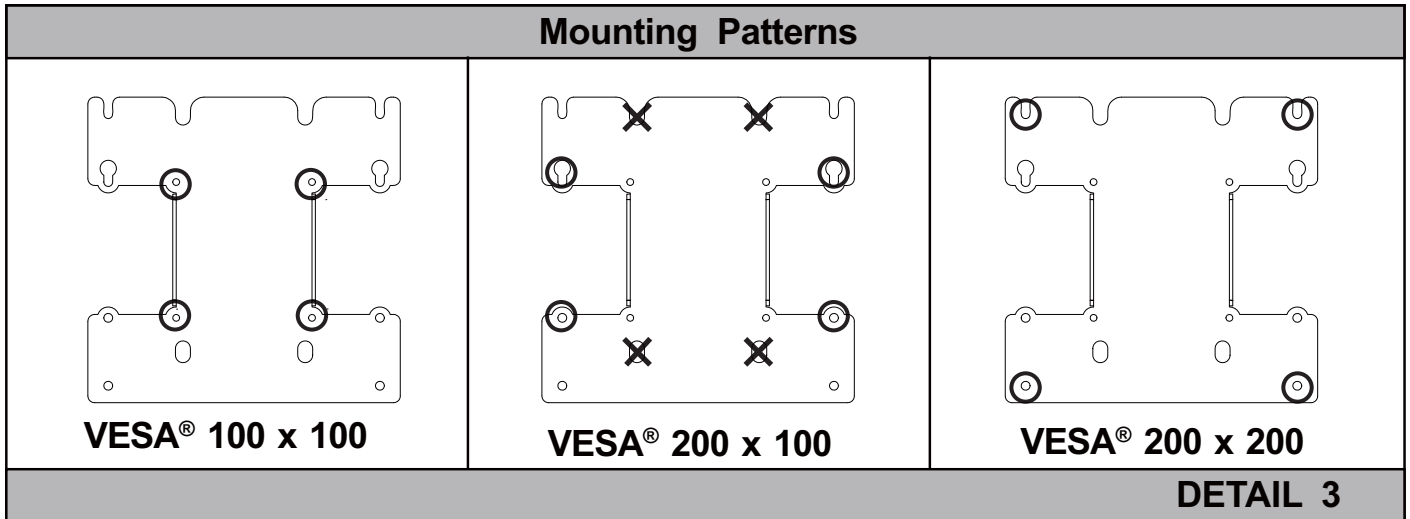
- Adjuster tube must be fully threaded (six or seven full turns) onto threaded fitting in ceiling plate and then locked with screw (C).



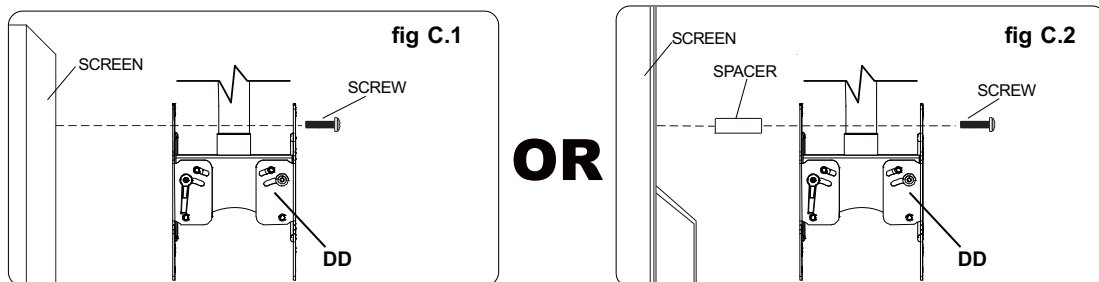
Attaching display mounting plate to a Screen with a VESA® Mounting Pattern

Choose hole pattern as shown in detail 3 for VESA mounting pattern. Begin with the shortest length screw, hand thread through adapter plate into screen as shown in detail 4. Screw must make at least three full turns into the mounting hole and fit snug into place. Do not over tighten. If screw cannot make three full turns into the screen, select a longer length screw from the fastener pack. Repeat for remaining mounting holes. Securely tighten screws.

NOTE: Spacers do not have to be used, depending upon the type of screen.



For Flat Back Screen



Select the small, medium, large or extra large screws from the baffled .Fastener pack then attach screen brackets(DD) to screen following figure C.1 or C.2 on page 7.

Insert two for 200x200 & 200x100 VESA patterns appropriate sized bolts into the top two mounting holes on the back of your display as shown in **fig.1** Leave approx. 1/4" of exposed thread.

Lift the display and hook it on to the display mounting plate by lowering the exposed portion of the top screws down the notches on the top edge of the plate for a 200x200 pattern or into the key hole.

Once in position, attach the bottom two for a 200x200 pattern bolts to secure the display to the mounting plate as shown in **fig.2**

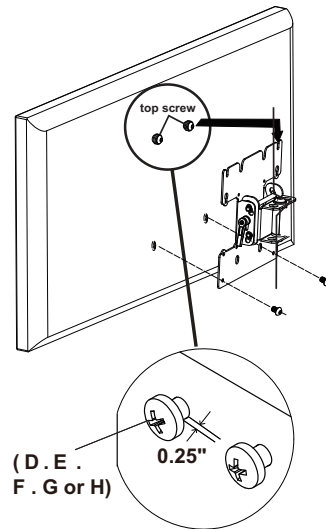


fig.2

fig.1

⚠ WARNING

- Do not lift more weight than you can handle. Use additional man power or mechanical lifting equipment to safely handle placement of the screen.

Tilt Adjustments

Adjust tension knob on side of mount as shown in **fig. 1** to desired tension to balance your screen size and weight.

The tension knob, without changing the bracket tension, can be pulled out, away from the bracket and turned independently of the knob post for readjustment as shown in **fig 2**

Push or pull from top or bottom of screen to adjust tilt as shown. The tilt can be adjusted to a maximum of -5° forward or +15° backward

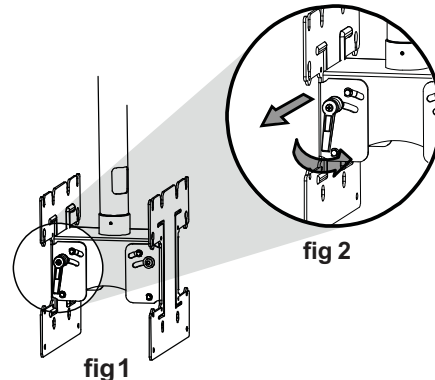


fig 2

fig1

⚠ CAUTION

- Be careful not to pinch fingers when opening and closing mount from the wall.

Wire Management

pull cables up and through conduit .

⚠ WARNING

- Do not remove or loosen screw while the mount is in use. Doing so may cause the screen to fall.

