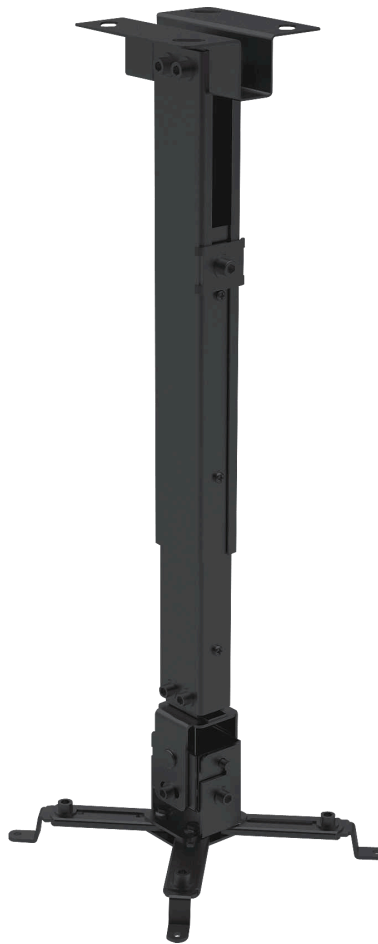


Projector ceiling mount for telescopic or flush-mount installation.

QG-PM-002-BLK



Two installation modes · tilt $\pm 15^\circ$ · side $\pm 8^\circ$

BLACK

MAXIMUM RATED LOAD

44 lb / 20 kg

⚠ Caution. Do not exceed the maximum rated load. Overloading can cause serious injury or property damage.

Before you begin

Note. Read this entire manual before you start.

Warning

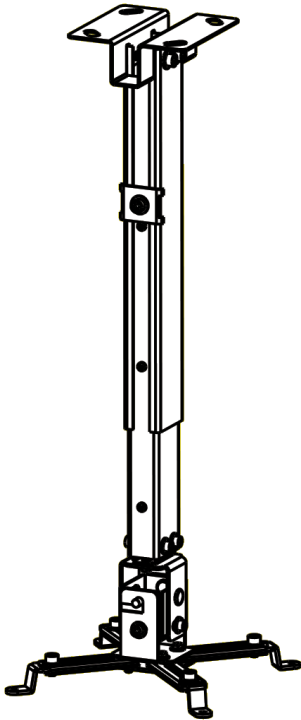
- Do not start until you understand every instruction and warning. If you have questions, email support@qualgear.com.
- Installation requires good mechanical skills and basic building-construction experience.
- Install and use this mount only as described in this manual. Incorrect installation can cause property damage or serious injury. QualGear is not liable for incorrect installation or use.
- Make sure the ceiling can safely hold the combined weight of the projector, the mount, and all hardware.
- Always use an assistant or lifting equipment to lift and position the projector.
- Tighten screws firmly, but do not overtighten. Overtightening can damage parts and weaken their hold.
- For indoor use only. Outdoor use voids the limited warranty.
- For residential use only. Commercial use voids the warranty.
- In a wood ceiling, drive the lag bolts into the center of the studs. Use an edge-to-edge stud finder.
- Never exceed the maximum rated load of 44 lb / 20 kg.
- Use every bolt and screw in the location shown in these instructions.
- Do not install near air-conditioner vents or in areas with heavy dust or smoke.
- Before you drill, check the ceiling for electrical wires and water or gas pipes.

Choose your installation mode

You can install this mount in two ways. Choose one before you start, and then follow only the steps for that mode. Both modes use the same ceiling plate (A), pivot bracket (C), adapter bracket (D), and ceiling hardware.

A

TELESCOPIC MODE



CEILING DROP

16.9–25.6 in (430–650 mm)

EXTENSION COLUMN (B)

Used · adjustable

CABLES

Inside the column

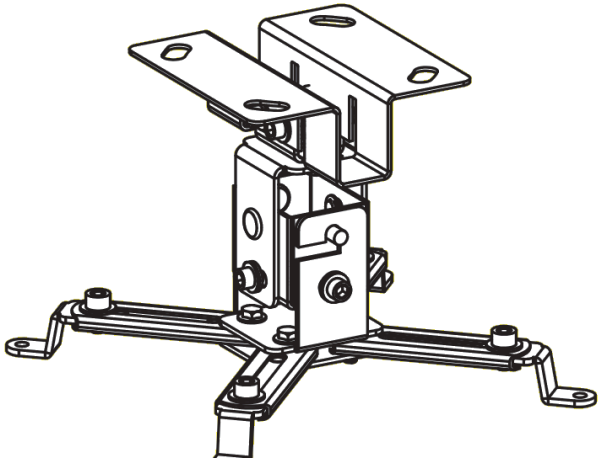
YOUR STEPS

1, 2, 3, 4, 5, 6, 7

START AT STEP 1 · PAGE 07

B

FLUSH-MOUNT MODE



CEILING DROP

4.7 in (120 mm)

EXTENSION COLUMN (B)

Not used

CABLES

No routing needed

YOUR STEPS

2, 3, 4, 5, 6, 7 (skip step 1)

START AT STEP 2 · PAGE 10

Finding your pages. Pages for one mode have a tab on the right edge: A for telescopic, B for flush-mount. Pages without a tab are for both modes.

Tools and preparation

Tools you need

- Pencil
- Power drill
- Socket wrench
- Phillips screwdriver
- 4 mm and 5 mm Allen keys (M-M, M-N · included)
- An assistant

WOOD CEILING

- Edge-to-edge stud finder
- Straight edge
- 3/16 in drill bit

CONCRETE OR BRICK CEILING

- 3/8 in masonry drill bit
- Hammer

Your ceiling

CEILING CONSTRUCTION	MOUNT IT WITH	HARDWARE
Wood stud or wood beam	Step 3a · page 11	Included (W-A, W-C)
Solid concrete or brick	Step 3b · page 13	Included (W-A, W-B, W-C)
Drywall	Step 3a, with toggle anchors	Toggle anchors (not included)
Other	Contact a qualified professional	—

Before you drill, check that:

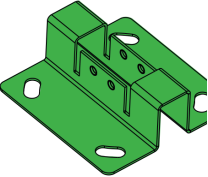
- ☐ The ceiling can safely hold the combined weight of the projector, the mount, and all hardware.
- ☐ There are no electrical wires or water or gas pipes where you will drill.
- ☐ The location is away from air-conditioner vents and heavy dust or smoke.
- ☐ An assistant is available to hold the projector during steps 5 and 6.

Parts checklist

⚠ Important. Check that every part below is included before you start. If a part is missing or damaged, stop and contact your local distributor or support@qualgear.com for a replacement.

Main parts

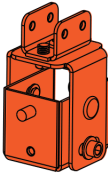
ILLUSTRATIONS NOT TO SCALE



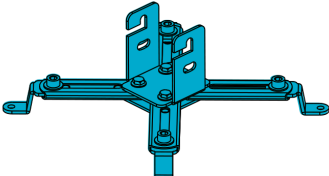
Ceiling plate
A · ×1



Adjustable extension column
B · ×1
TELESCOPIC ONLY



Pivot bracket
C · ×1



Adapter bracket
D · ×1



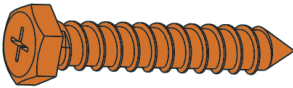
Decorative cover
E · ×1
TELESCOPIC ONLY



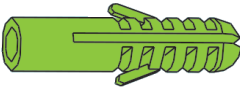
Marking template
F · ×1

Ceiling hardware

BOTH MODES



ST6.3 × 65 mm lag bolts
W-A · ×4



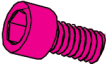
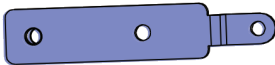
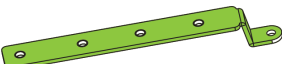
10 × 60 mm concrete anchors
W-B · ×4



D6 washers
W-C · ×4

Projector and mount hardware

USE ONLY WHAT FITS YOUR PROJECTOR

 <p>M5 × 10 mm screws M-A · ×6</p>	 <p>M6 × 10 mm screws M-B · ×4 TELESCOPIC ONLY</p>	 <p>M6 × 10 mm screws M-C · ×4</p>	 <p>M5 × 8 mm screws M-D · ×4</p>
 <p>M4 × 8 mm screws M-E · ×4</p>	 <p>M3 × 8 mm screws M-F · ×4</p>	 <p>M2.5 × 8 mm screws M-G · ×4</p>	 <p>D3 washers M-H · ×4</p>
 <p>D4 washers M-I · ×4</p>	 <p>D5 washers M-J · ×10</p>	 <p>D5 plastic washers M-K · ×2</p>	 <p>D6 washers M-L · ×8</p>
 <p>4 mm Allen key M-M · ×1</p>	 <p>5 mm Allen key M-N · ×1</p>	 <p>94 mm extension brackets M-O · ×2</p>	 <p>Short extension brackets M-P · ×2</p>
 <p>160 mm extension brackets M-Q · ×4</p>			

Note. Screws M-C to M-G and washers M-H, M-I, M-J, and M-L attach the projector. Use only the sizes that fit your projector (step 4).

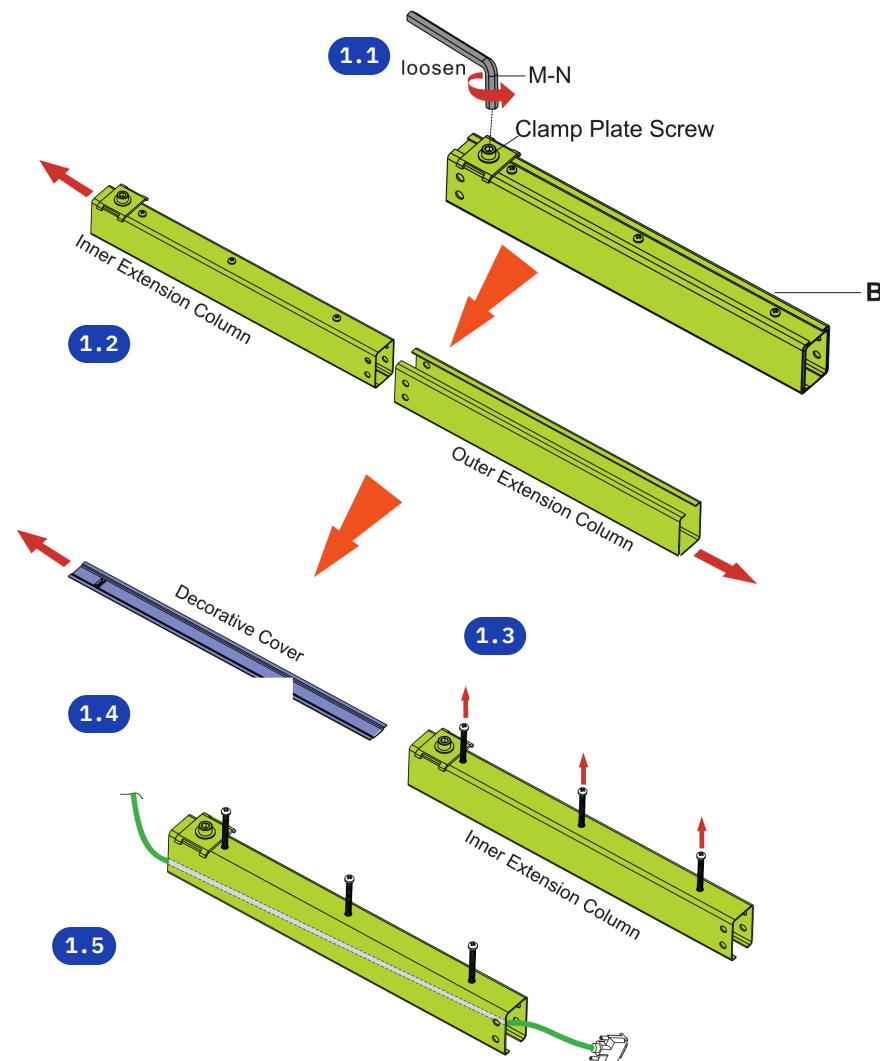
STEP 1 • TELESCOPIC MODE

Route the cables through the column

1

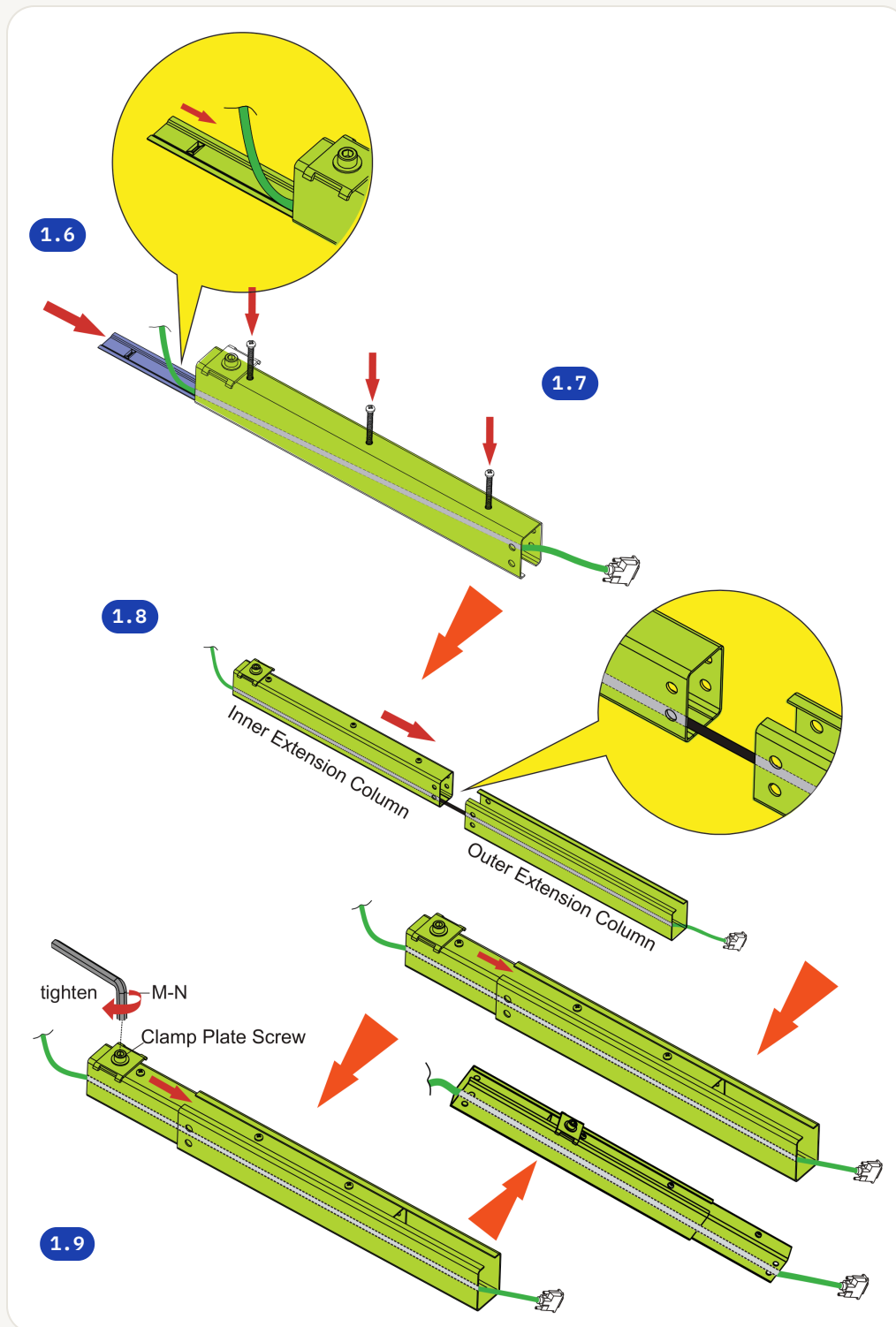
A TELESCOPIC MODE

Using flush-mount mode? Skip step 1 and go to page 10.



- 1.1** Using the 5 mm Allen key (M-N), loosen the clamp plate screw on the inner extension column.
- 1.2** Pull the inner column out of the outer column.
- 1.3** Using a Phillips screwdriver, loosen the three screws on the inner column.
- 1.4** Slide the decorative cover out of the inner column.
- 1.5** Run the projector cables through the inner column.

1 Route the cables through the column (continued)



STEP 2 • TELESCOPIC MODE

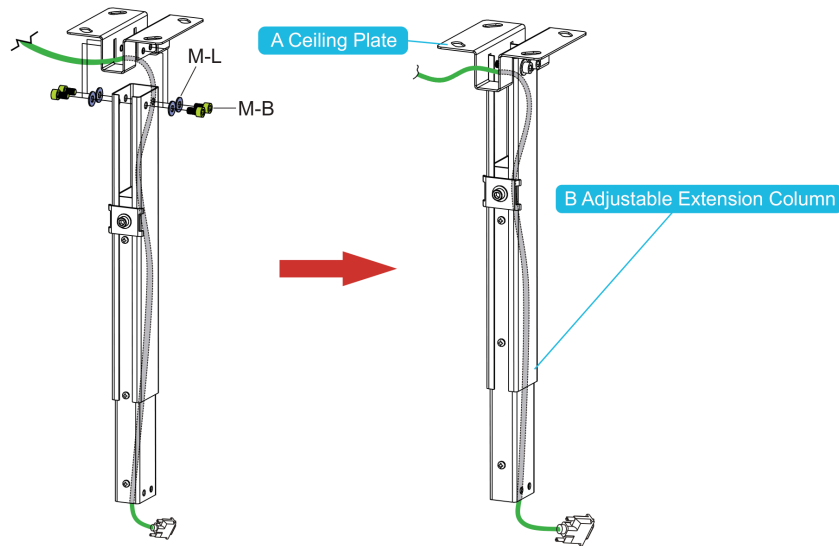
Assemble the mount with the extension column

2

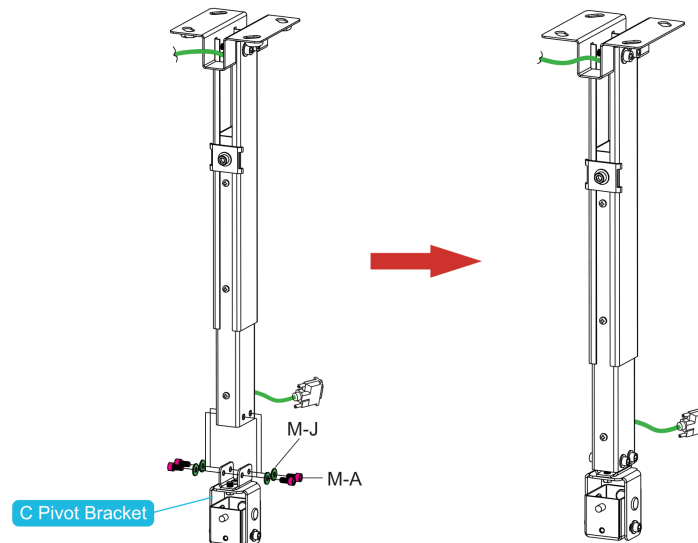
A TELESCOPIC MODE

FLUSH-MOUNT MODE: PAGE 10

A • TELESCOPIC MODE



- 2.1 Attach the extension column (B) to the ceiling plate (A) with four M6 screws (M-B) and four D6 washers (M-L). Tighten them with the 5 mm Allen key (M-N).



- 2.2 Insert the pivot bracket (C) into the end of the inner column. Secure it with four M5 screws (M-A) and four D5 washers (M-J), using the 4 mm Allen key (M-M).

NEXT: STEP 3 • PAGE 11

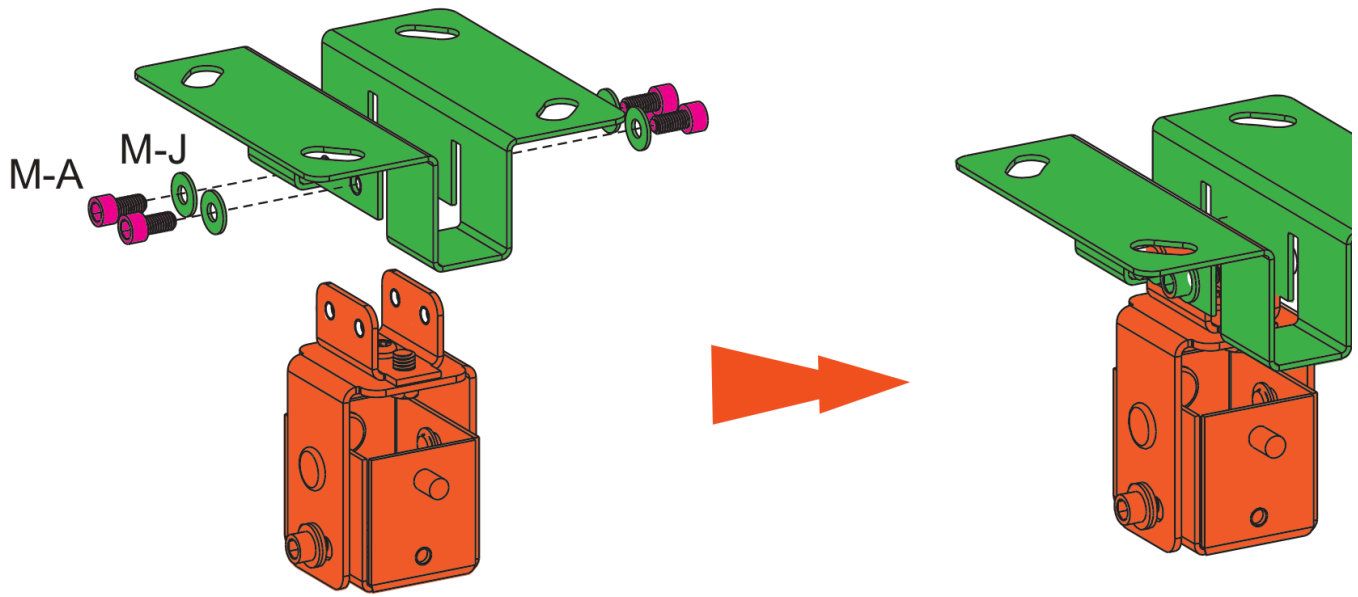
STEP 2 • FLUSH-MOUNT MODE

Assemble the mount without the extension column

2

B FLUSH-MOUNT MODE

TELESCOPIC MODE: PAGE 09



- 01 Set aside the extension column (B) and the decorative cover (E). Flush-mount mode does not use them.
- 02 Fit the upper end of the pivot bracket (C) into the ceiling plate (A), as shown.
- 03 Fasten the bracket with four M5 screws (M-A) and four D5 washers (M-J), two on each side. Use the 4 mm Allen key (M-M).
- 04 Tighten the screws firmly, but do not overtighten.

Cables. In flush-mount mode, cables do not run through the mount. The projector hangs only 4.7 in (120 mm) below the ceiling, so no cable routing is needed.

NEXT: STEP 3 • PAGE 11

STEP 3 • MOUNT TO THE CEILING

Mount to a wood ceiling

3a

BOTH MODES

Note. Concrete or brick ceiling? Go to step 3b on page 13. Drywall? Use toggle anchors (not included).



Edge-to-edge stud finder

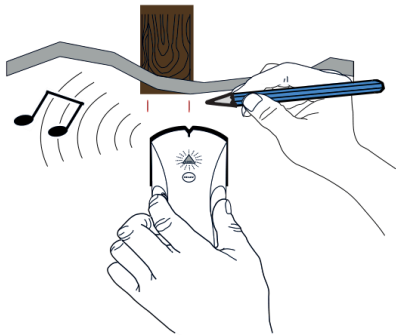
Straight edge

Pencil

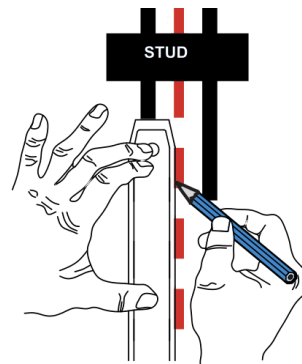
Power drill

3/16 in drill bit

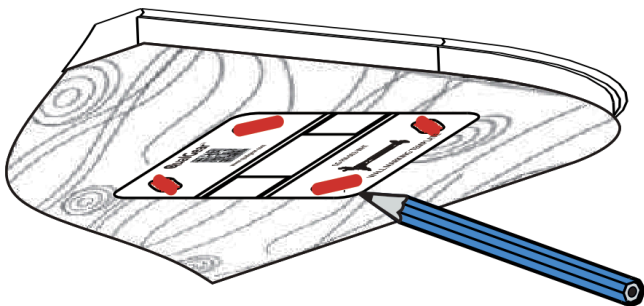
Socket wrench



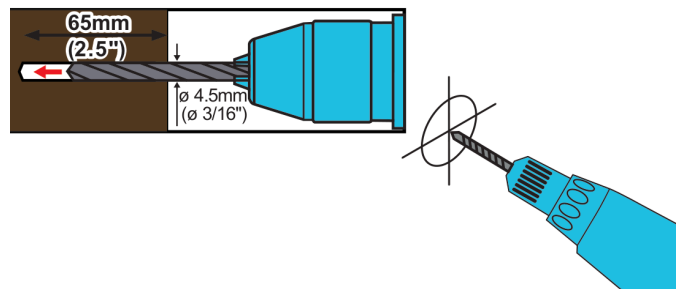
3a.1 Use an edge-to-edge stud finder to find both edges of the stud.



3a.2 Use a straight edge to mark the centerline of the stud.



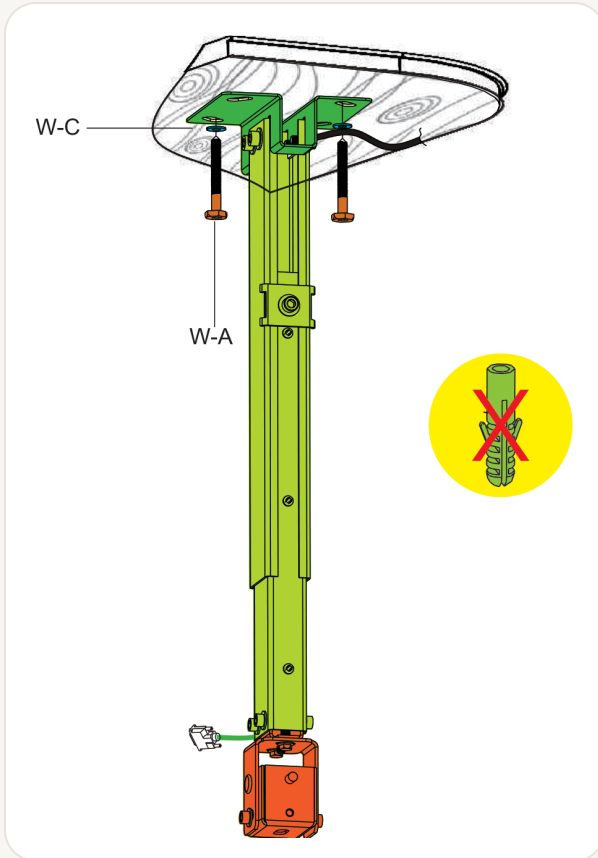
3a.3 Hold the marking template (F) on the ceiling and mark the holes. At least two holes must be on the centerline.



3a.4 Drill 3/16 in (4.5 mm) pilot holes, at least 2.5 in (65 mm) deep.

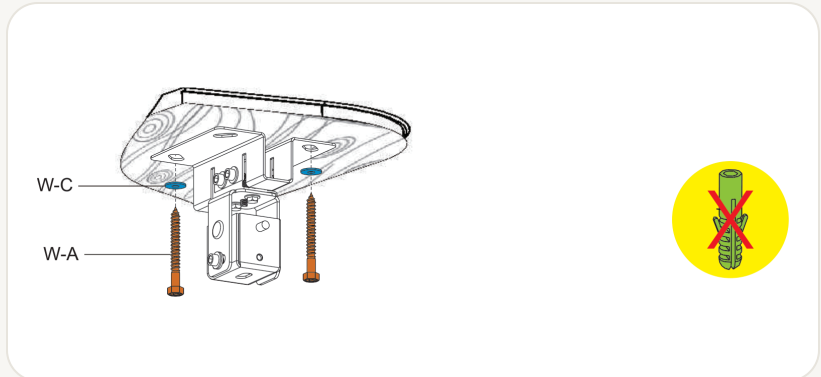
3a Mount to a wood ceiling (continued)

A TELESCOPIC MODE



Telescopic: plate with the extension column attached.

B FLUSH-MOUNT MODE



Flush-mount: plate with the pivot bracket attached.

3a.5 Attach the ceiling plate (A) with the four lag bolts (W-A) and washers (W-C). Tighten them with a socket wrench. Do not use the concrete anchors (W-B) in wood.

Tip. Choose the plate holes that line up with the centerline of the stud. Which holes you use depends on the direction of the stud.

--- ⌀ --- ⌀ ---
centerline of the stud

OR

centerline of the stud

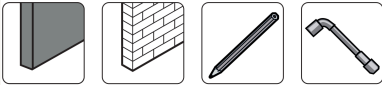
⚠ Warning. For any other ceiling type, the installer must supply suitable hardware and confirm that the ceiling can safely hold the combined weight of the projector, the mount, and all hardware.

STEP 3 • MOUNT TO THE CEILING

Mount to a brick or concrete ceiling

3b

BOTH MODES



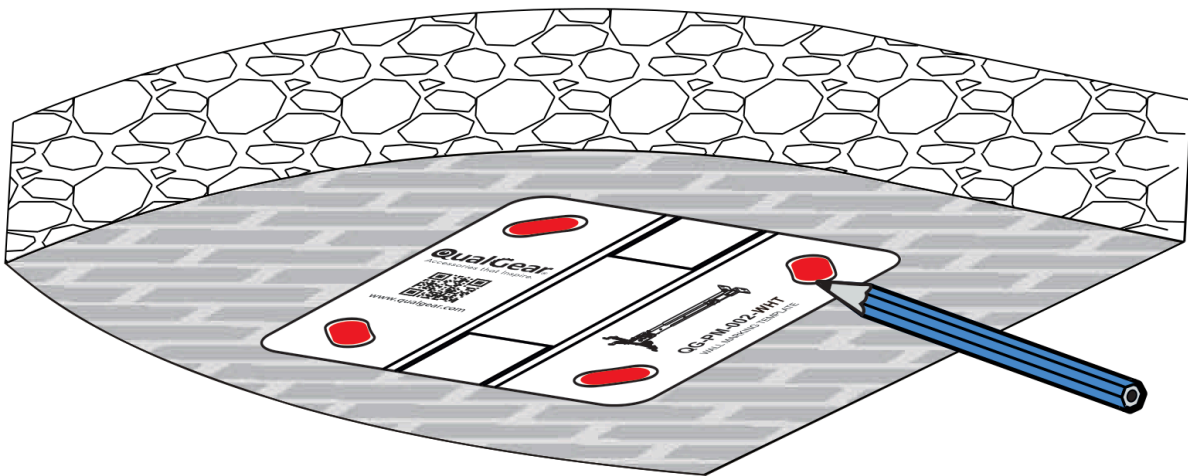
Pencil

Power drill

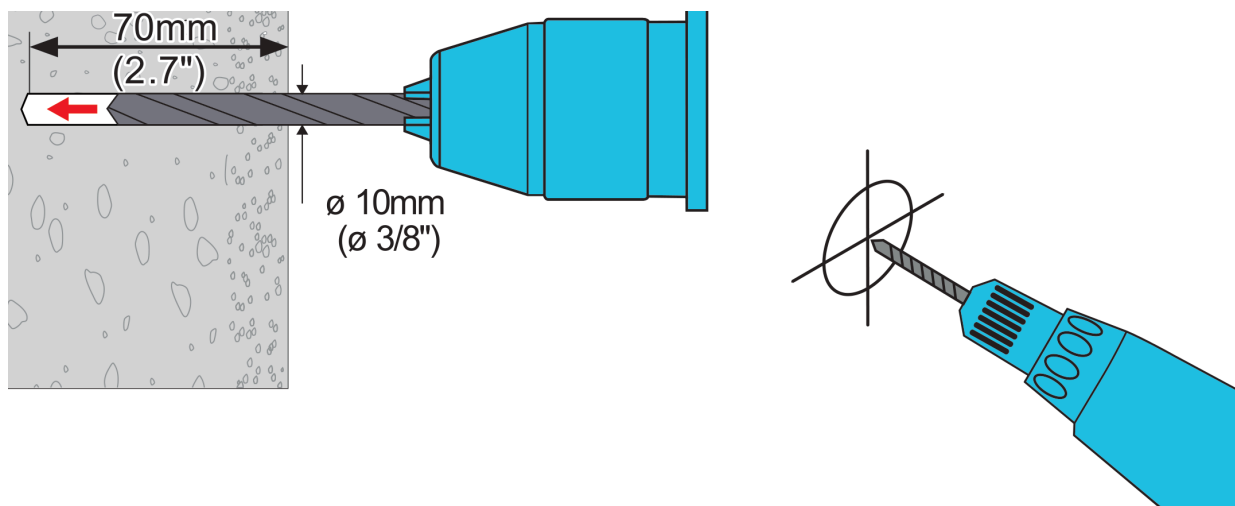
3/8 in masonry drill bit

Hammer

Socket wrench



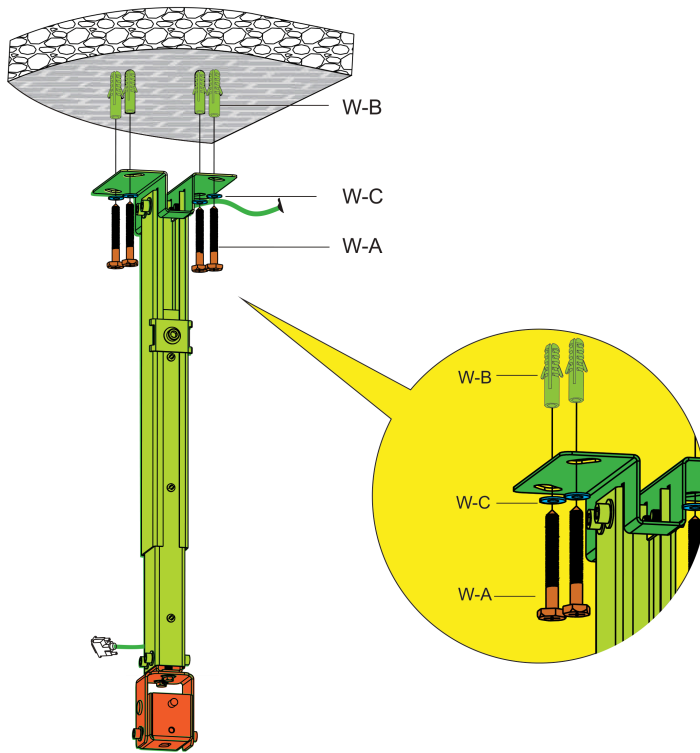
3b.1 Hold the marking template (F) on the ceiling where you want the projector, and mark the four holes.



3b.2 Drill the four holes with a 3/8 in (10 mm) masonry bit, 2.7 in (70 mm) deep.

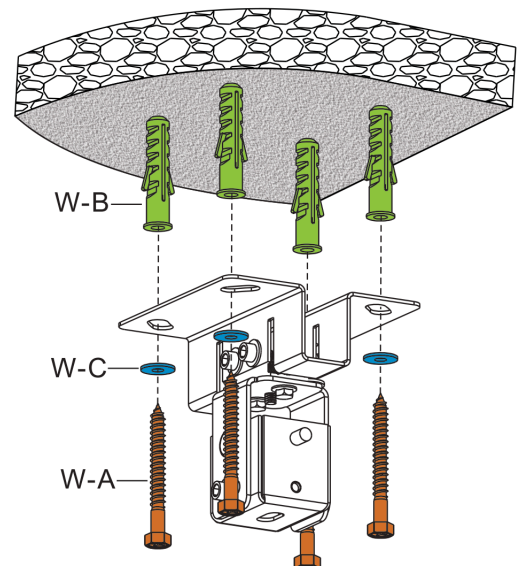
3b Mount to a brick or concrete ceiling (continued)

A TELESCOPIC MODE



Telescopic: plate with the extension column attached.

B FLUSH-MOUNT MODE



Flush-mount: plate with the pivot bracket attached.

3b.3 Tap a concrete anchor (W-B) into each hole with a hammer until it is flush with the ceiling. Then attach the ceiling plate (A) with the lag bolts (W-A) and washers (W-C), and tighten them with a socket wrench.

Note. Tighten the lag bolts with a socket wrench, not a power drill. Do not overtighten them.

⚠ Warning. For any other ceiling type, the installer must supply suitable hardware and confirm that the ceiling can safely hold the combined weight of the projector, the mount, and all hardware.

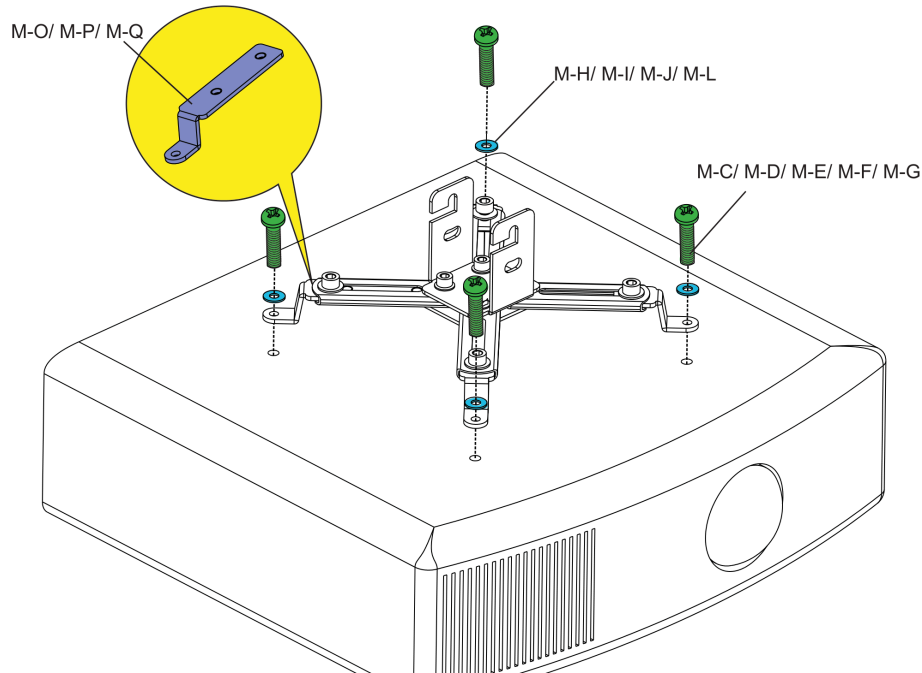
STEP 4

Install the adapter bracket on the projector

4

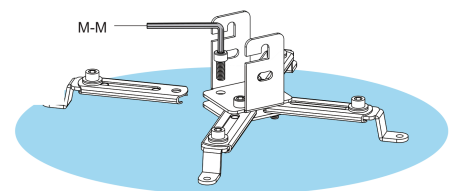
BOTH MODES

⚠ Important. Do not use this mount if your projector has fewer than three mounting holes.



- 01** If needed, replace the extension brackets on the adapter bracket with the ones that fit your projector's hole pattern (M-O, M-P, or M-Q).
- 02** Place the adapter bracket (D) as close as possible to the projector's center of gravity. Line up the bracket holes with the projector's mounting holes.
- 03** Choose the screws (M-C to M-G) and washers (M-H, M-I, M-J, or M-L) that fit your projector. Tighten them with a screwdriver, but do not overtighten.

Tip. Projector with only three mounting holes? Remove the extra extension bracket with the 4 mm Allen key (M-M).



NEXT: STEP 5 • TELESCOPIC PAGE 16 • FLUSH-MOUNT PAGE 17

STEP 5 • TELESCOPIC MODE

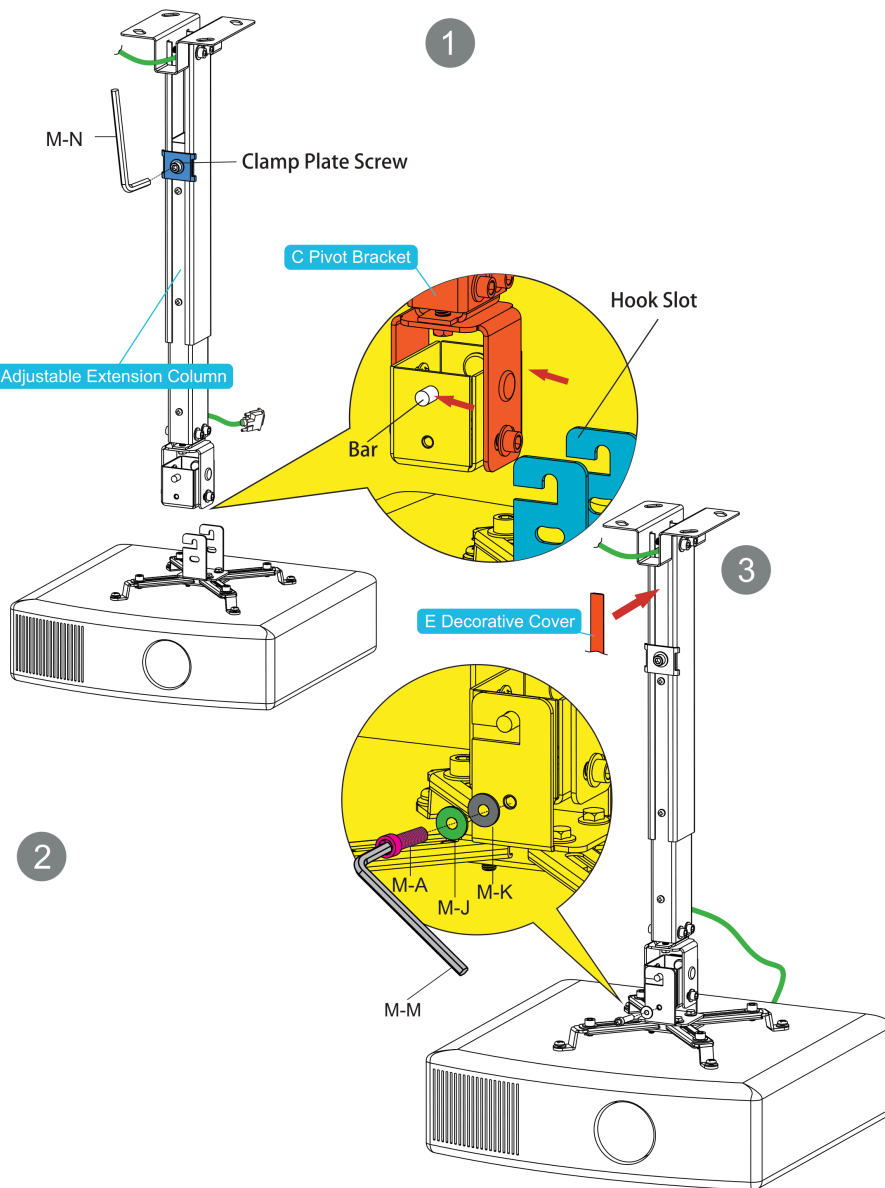
Hang the projector on the extension column

5

A TELESCOPIC MODE

FLUSH-MOUNT MODE: PAGE 17

⚠ Important. Have an assistant hold the projector during this step. Do not let go until the projector is hooked on and all screws are tight.



- 01** Set the height: loosen the clamp plate screw with the 5 mm Allen key (M-N), slide the column to the height you want, and tighten the screw.
- 02** Hook the slots of the adapter bracket (D) onto the bars of the pivot bracket (C). Secure it with two M5 screws (M-A), each with a D5 washer (M-J) and a plastic washer (M-K). Use the 4 mm Allen key (M-M).
- 03** Cut the decorative cover (E) to the length of the outer column, and snap it into the column opening.

Note. Numbers 1–3 in the illustration match sub-steps 01–03.

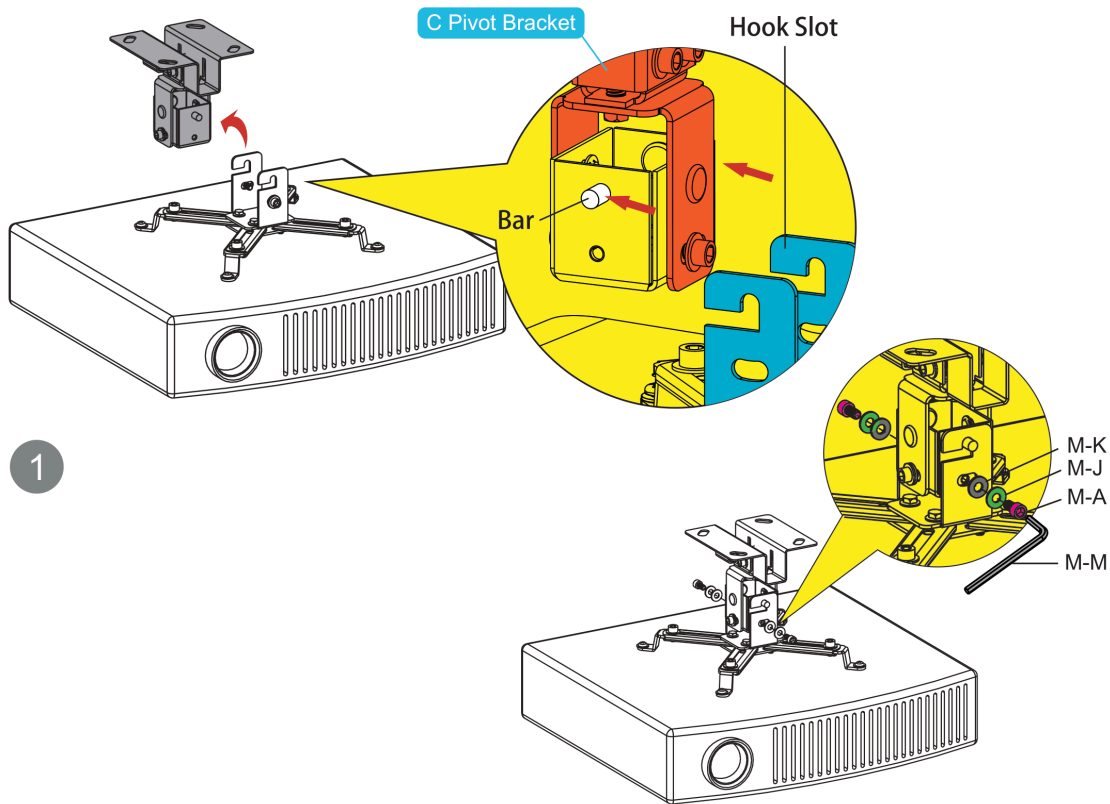
STEP 5 • FLUSH-MOUNT MODE

Hang the projector on the mount

5

B FLUSH-MOUNT MODE TELESCOPIC MODE: PAGE 16

⚠ Important. Have an assistant hold the projector during this step. Do not let go until the projector is hooked on and all screws are tight.



- 01** Hook the slots of the adapter bracket (D) onto the bars of the pivot bracket (C). Secure it with two M5 screws (M-A), each with a D5 washer (M-J) and a plastic washer (M-K). Use the 4 mm Allen key (M-M).

Note. Number 1 in the illustration matches sub-step 01.

NEXT: STEP 6 • PAGE 18

STEP 6

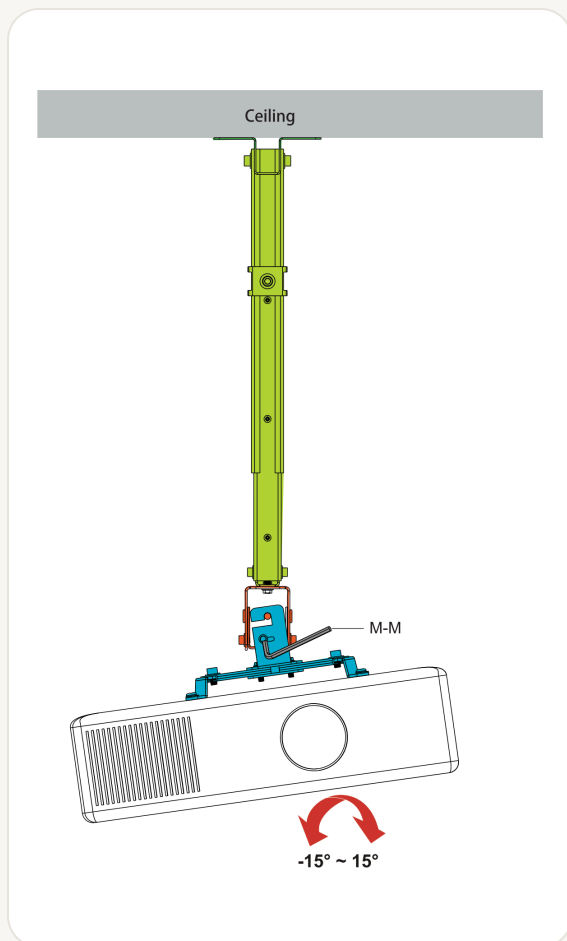
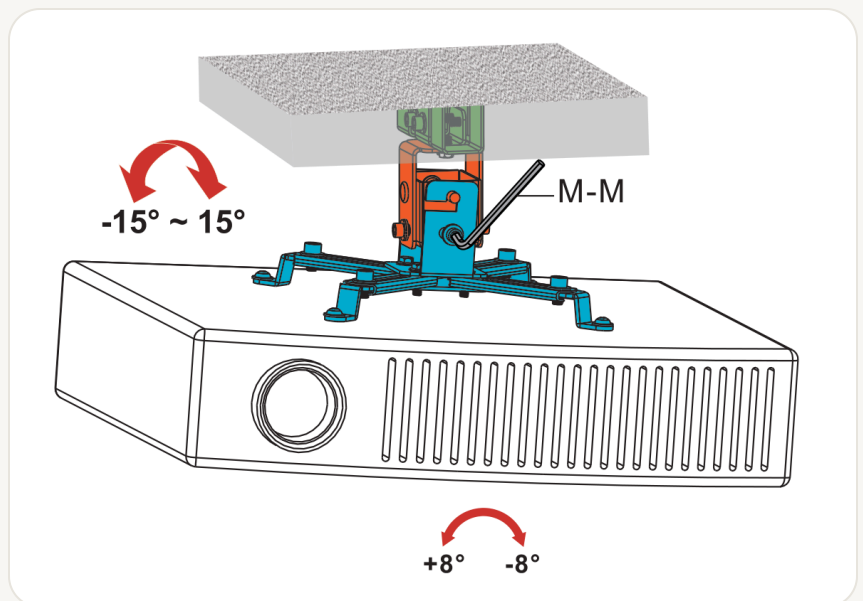
Adjust the projector

6

BOTH MODES

Loosen the screws slightly with the 4 mm Allen key (M-M), adjust the projector, and then tighten the screws again. In both modes, the projector tilts -15° to $+15^{\circ}$ and adjusts side to side -8° to $+8^{\circ}$.

⚠ Important. Have an assistant hold the projector while you adjust it. Never loosen the screws completely. The parts can come apart and cause injury or property damage.

A TELESCOPIC MODE**B FLUSH-MOUNT MODE**

STEP 7

Final check and troubleshooting

7

Final safety check

- ☐ The ceiling plate (A) is tight against the ceiling, with all four lag bolts (W-A) and washers (W-C). (Step 3)
- ☐ The adapter bracket (D) is near the projector's center of gravity, and all projector screws are tight. (Step 4)
- ☐ The adapter bracket hook slots sit fully on the pivot bracket bars, and both M5 screws (M-A) are tight. (Step 5)
- ☐ Telescopic mode only: the clamp plate screw is tight, and the decorative cover (E) is in place. (Steps 1 and 5)
- ☐ All screws are tight, but not overtightened.
- ☐ The projector weighs no more than 44 lb / 20 kg.
- ☐ Your assistant lets go only after every item above is checked.

Troubleshooting

PROBLEM	WHAT TO DO	SEE
The bracket holes do not line up with the projector's mounting holes.	Replace the extension brackets with the ones that fit (M-O, M-P, or M-Q), and line them up with the mounting holes.	STEP 4
The projector has only three mounting holes.	Remove the extra extension bracket with the 4 mm Allen key (M-M).	STEP 4
The projector has fewer than three mounting holes.	Do not use this projector mount.	STEP 4
The image is not level or not aimed at the screen.	Loosen the screws slightly with the 4 mm Allen key (M-M), adjust, and retighten. Never loosen them completely.	STEP 6
The projector is too high or too low (telescopic mode).	Loosen the clamp plate screw with the 5 mm Allen key (M-N), slide the column, and tighten the screw again.	STEP 5
The mounting holes do not line up with the stud.	Choose the ceiling-plate holes that line up with the centerline of the stud.	STEP 3A
A part is missing or damaged.	Stop. Contact your local distributor or support@qualgear.com for a replacement.	PARTS

We're here to help. Real people in Anna, Texas.

QUALGEAR CUSTOMER SUPPORT

CALL

+1 (972) 423-5015

Monday to Friday, 9 a.m. to 5 p.m. Central Time

EMAIL

support@qualgear.com

Put your model number in the subject line

ONLINE

qualgear.com

Orders, returns, RMAs, warranty, and product questions



Scan for the Support hub
qualgear.com/pages/support

Before you contact us, have ready

- 01 Your model number: **QG-PM-002-BLK**
- 02 Your order number or dated proof of purchase
- 03 A short description of the issue, and the step number if it happened during installation
- 04 Photos of the part or installation, if we ask for them

Warranty claims

This product has a **1-year limited warranty (parts only)** from the original purchase date. Email us with this subject line:

Warranty Claim - QG-PM-002-BLK -
[order number]

Do not mail or return anything until we issue an approved RMA or written instructions.

Maintenance

Check the mount regularly to make sure it is secure and safe to use. If you have questions, contact QualGear support using the details above.

USEFUL PAGES

Warranty

qualgear.com/pages/warranty

Returns and RMAs

qualgear.com/pages/qualgear-return-policy

FAQ

qualgear.com/pages/faq

Shipping

qualgear.com/pages/shipping



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