QUALGEAR

PROJECTOR MOUNTS

INSTALLATION MANUAL · PROJECTOR CEILING MOUNT

Projector ceiling mount with a telescopic extension column.

QG-PM-002-WHT



Telescopic 16.9–25.6 in · tilt −15° to +15°

WHITE

MAXIMUM RATED LOAD

44 lb / 20 kg

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

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Before you begin

Note. Read this entire manual before you start installation and assembly.

⚠ Warning

- Do not begin installing your QualGear product until you have read and understood all instructions and warnings in this manual. If you have questions, email QualGear customer support at support@qualgear.com.
- This product should be installed only by someone with good mechanical aptitude and basic building construction experience who fully understands these instructions.
- This product is designed to be installed and used only as described in this manual. Improper installation can cause damage or serious injury. QualGear is not liable for improper use or installation of its products.
- Make sure the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Always use an assistant or mechanical lifting equipment to lift and position the equipment safely.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the parts and greatly reduce their holding power.
- All QualGear products are for indoor use only. Outdoor use voids the limited warranty.
- This QualGear product is designed for residential use only. Commercial use voids the warranty.
- When mounting to wood studs, make sure the mounting screws are anchored into the center of the studs. An edge-to-edge stud finder is highly recommended.
- Never exceed the maximum rated load of 44 lb / 20 kg.
- Use all bolts and screws at the designated points shown in these instructions to prevent property damage and personal injury.
- Do not install near air-conditioner vents or where there is excessive dust or smoke.
- When drilling holes in the ceiling, take care to avoid electrical cables and water or gas pipes in the ceiling.

Approved ceiling construction

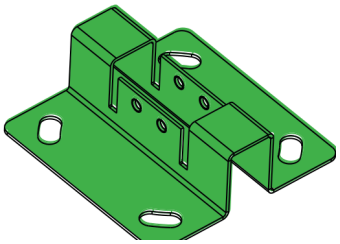
CEILING CONSTRUCTION	HARDWARE REQUIRED
Wood stud	Included
Wood beam	Included
Solid concrete	Included
Brick	Included
Other	Contact a qualified professional

Parts checklist

⚠ **Important.** Before you start, make sure every part shown below is included. If any part is missing or damaged, contact your local distributor or support@qualgear.com for replacement parts. Do not start assembly and installation until you have all the parts.

Main parts

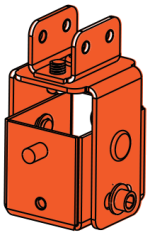
ILLUSTRATIONS NOT TO SCALE



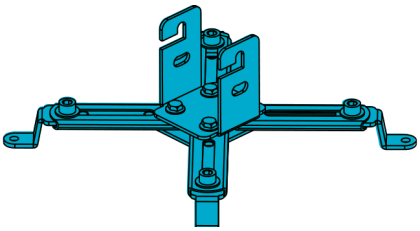
Ceiling plate
A · ×1



Adjustable extension column
B · ×1



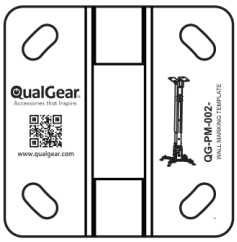
Pivot bracket
C · ×1



Adapter bracket
D · ×1

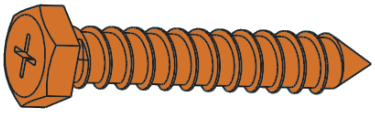


Decorative cover
E · ×1

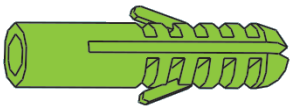


Marking template
F · ×1

Ceiling hardware



ST6.3 × 65 mm lag bolts
W-A · ×4



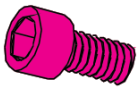
10 × 60 mm concrete anchors
W-B · ×4



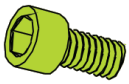
D6 washers
W-C · ×4

Projector hardware

USE ONLY WHAT FITS YOUR PROJECTOR



M5 × 10 mm screws
M-A · ×6



M6 × 10 mm screws
M-B · ×4



M6 × 10 mm screws
M-C · ×4



M5 × 8 mm screws
M-D · ×4



M4 × 8 mm screws
M-E · ×4



M3 × 8 mm screws
M-F · ×4



M2.5 × 8 mm screws
M-G · ×4



D3 washers
M-H · ×4



D4 washers
M-I · ×4



D5 washers
M-J · ×10



D5 plastic washers
M-K · ×2



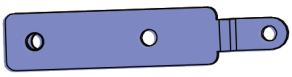
D6 washers
M-L · ×8



4 mm Allen key
M-M · ×1



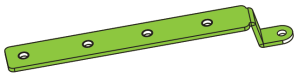
5 mm Allen key
M-N · ×1



94 mm extension brackets
M-O · ×2



Short extension brackets
M-P · ×2

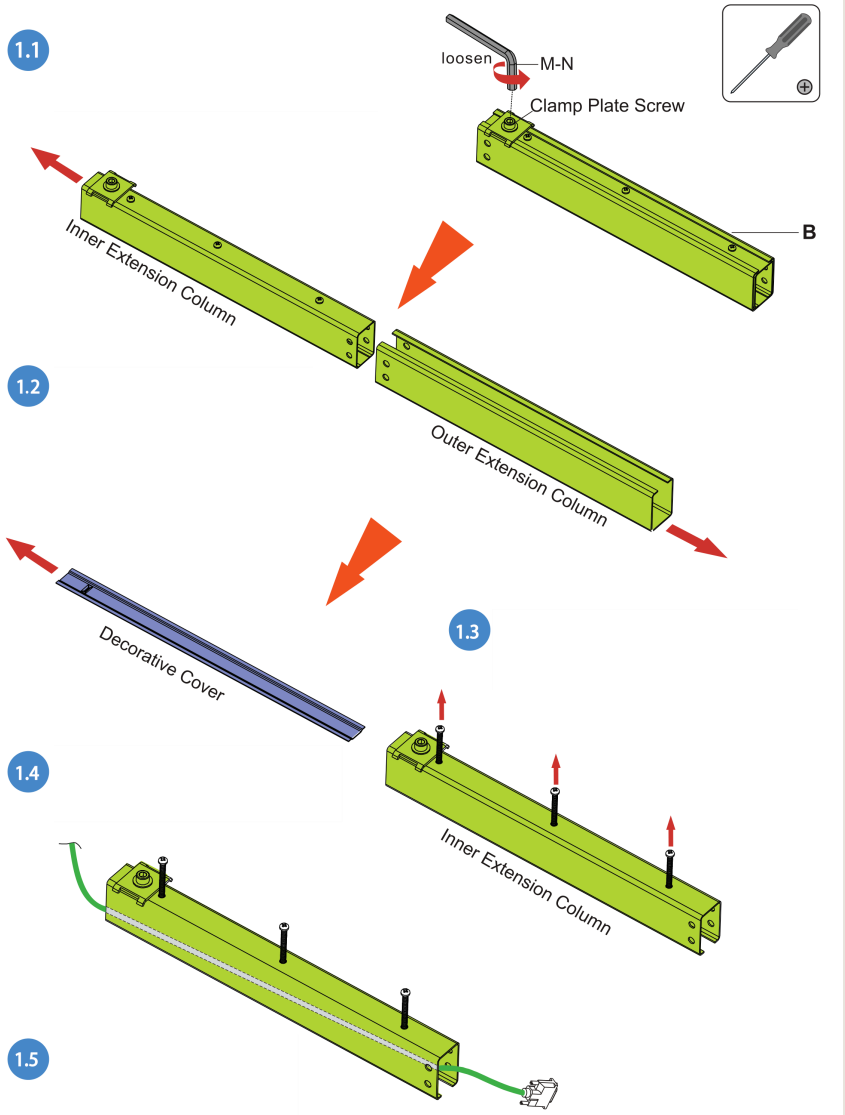


160 mm extension brackets
M-Q · ×4

STEP 1

Route the cables through the column

1



1.1 Loosen the clamp plate screw on the inner extension column using the 5 mm Allen key (M-N).

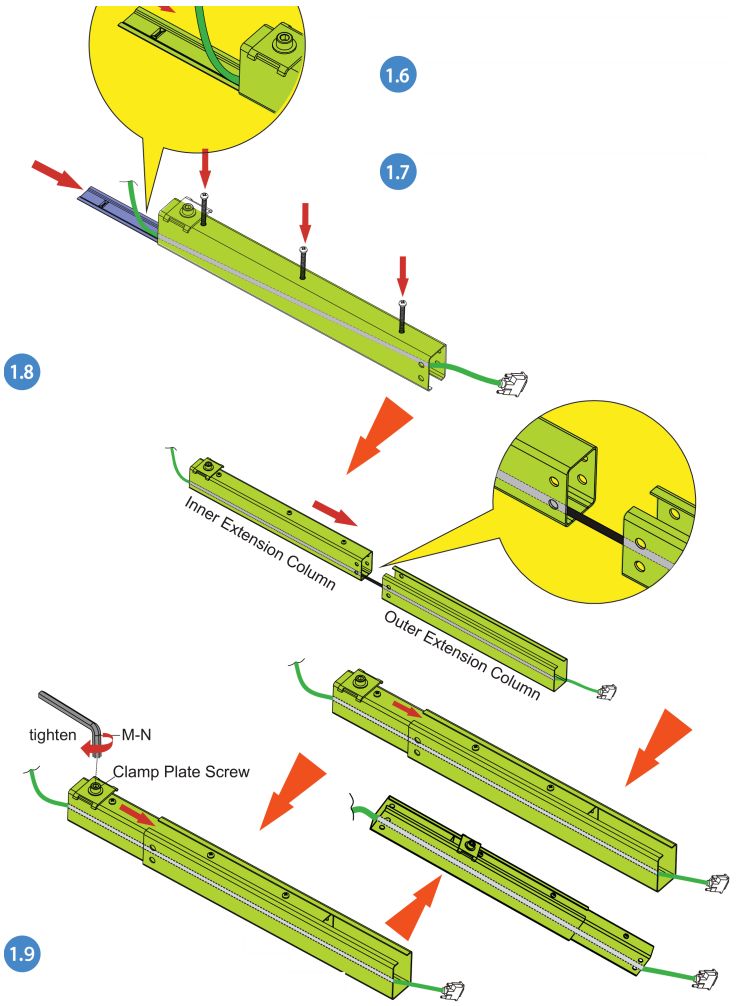
1.2 Separate the inner extension column from the outer one.

1.3 Loosen the three screws on the inner extension column using a Phillips screwdriver.

1.4 Remove the decorative cover from the inner extension column.

1.5 Run the cables to the projector through the inner extension column.

1 Route the cables through the column (continued)



1.6 Insert the decorative cover into the inner extension column.

1.7 Tighten the three screws on the inner extension column using a Phillips screwdriver.

1.8 Insert the inner extension column into the outer one.

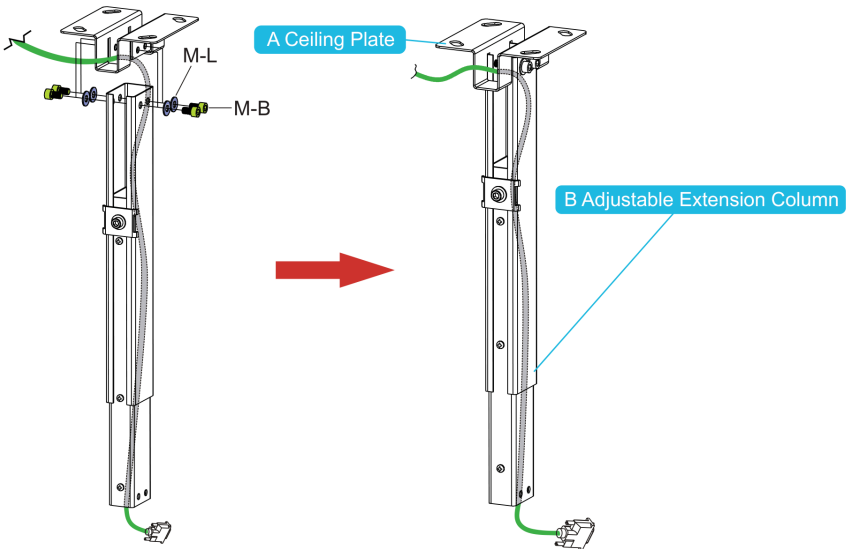
1.9 Set the extension column to the desired height, then tighten the clamp plate screw using the 5 mm Allen key (M-N).

⚠ **Important.** Make sure the decorative cover is installed in the correct direction.

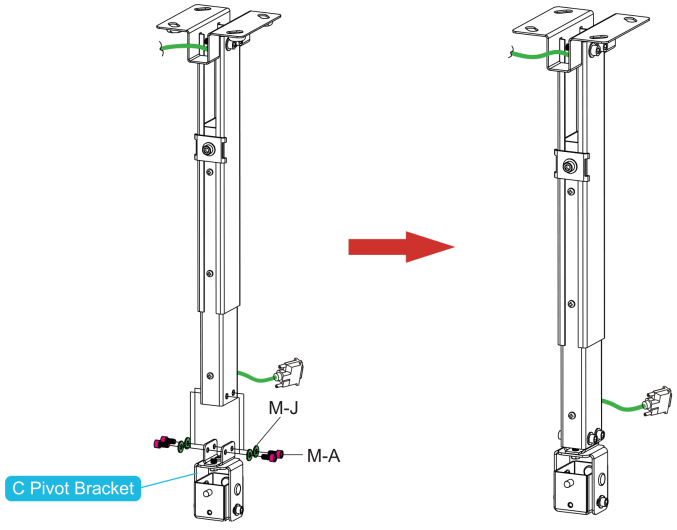
STEP 2

Assemble the mount with the extension column

2



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



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

STEP 3 · MOUNT TO THE CEILING

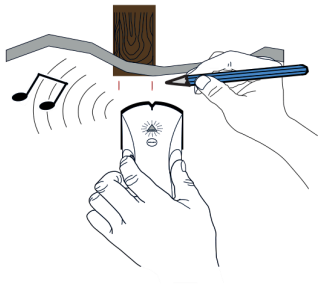
Mount to a wood ceiling

3a

Note. For a concrete or brick ceiling, follow step 3b on page 10. For drywall, use toggle anchors (not included).

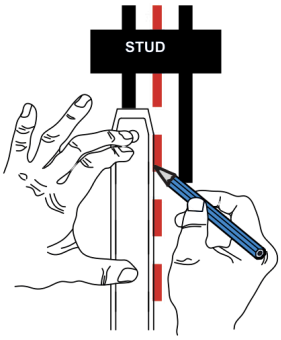


Edge-to-edge stud finder | Straight edge | Pencil | Power drill | 3/16 in drill bit | Socket wrench



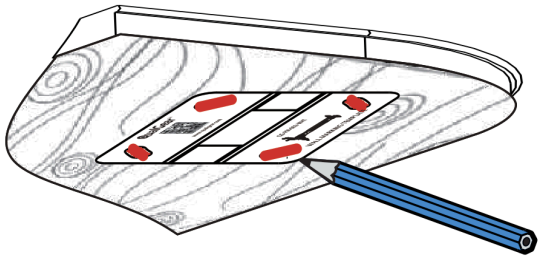
1

3a.1 Using an edge-to-edge stud finder, find the edges of the stud.



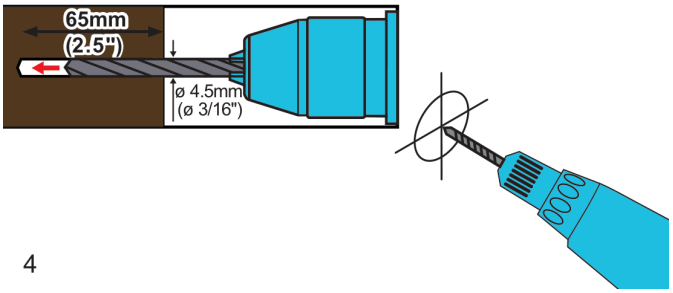
2

3a.2 Using a straight edge, mark the centerline of the stud.



3

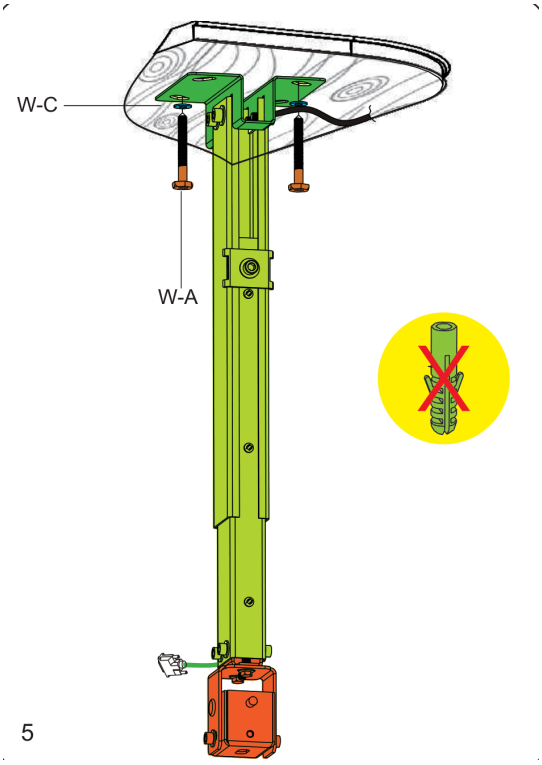
3a.3 Using the marking template (F), mark holes for drilling. Make sure at least two holes are on the centerline of the stud.



4

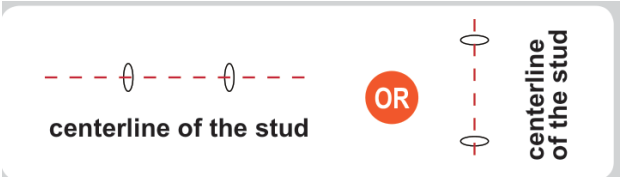
3a.4 Using a power drill and a 3/16 in drill bit, drill pilot holes 3/16 in (4.5 mm) in diameter and at least 2.5 in (65 mm) deep.

3a Mount to a wood ceiling (continued)



3a.5 Mount the ceiling plate (A) and tighten it with the lag bolts (W-A) and washers (W-C) using a socket wrench. Do not use the concrete anchors (W-B) in wood.

Tip. Depending on the direction of the studs, choose the mounting holes that line up with the centerline of the stud.



⚠ **Warning.** Installers are responsible for providing hardware for other types of mounting situations. Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

CEILING PLATE INSTALLED · NEXT: STEP 4, PAGE 12

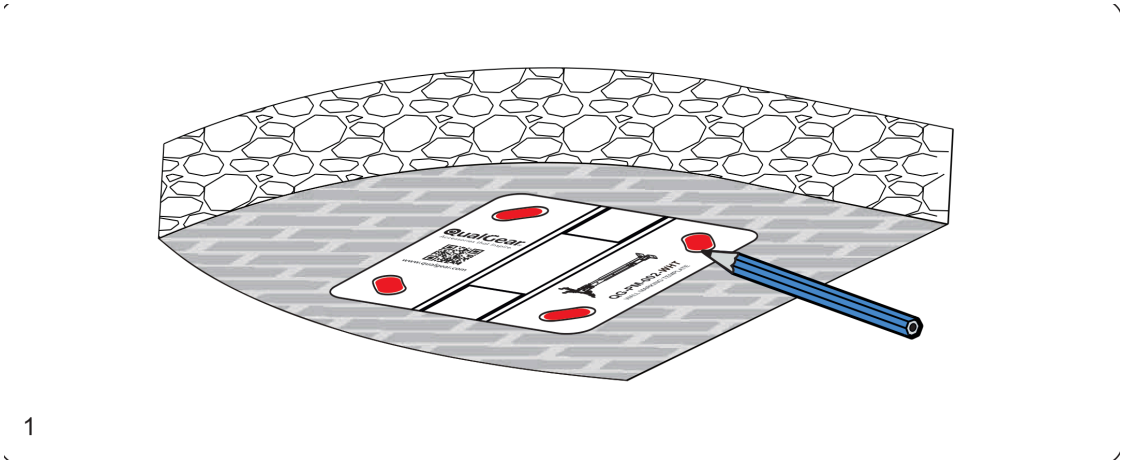
STEP 3 · MOUNT TO THE CEILING

Mount to a brick or concrete ceiling

3b

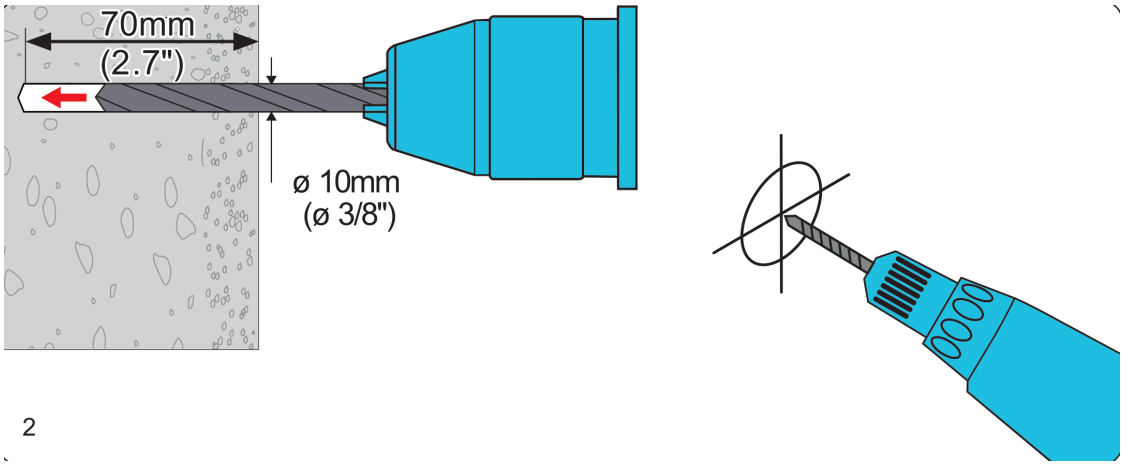


Pencil | Power drill | 3/8 in masonry drill bit | Hammer | Socket wrench



1

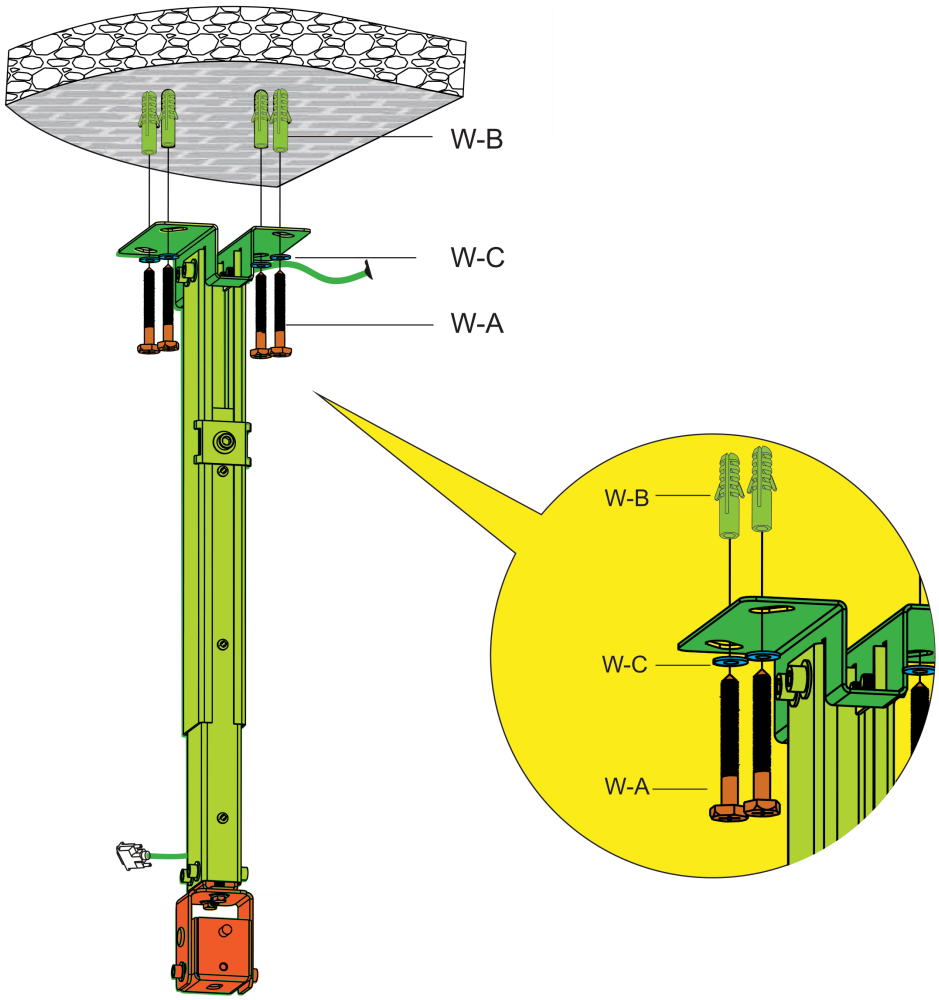
3b.1 Hold the marking template (F) against the ceiling where you want to install the projector, and mark four holes for drilling.



2

3b.2 Using a power drill and a 3/8 in masonry drill bit, drill mounting holes 3/8 in (10 mm) in diameter and 2.7 in (70 mm) deep at the marked locations.

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



3b.3 Place a concrete anchor (W-B) in each hole and tap it flush with the ceiling surface using a hammer. Mount the ceiling plate (A) and tighten it with the lag bolts (W-A) and washers (W-C) using a socket wrench.

Note. Do not use a power drill to drive the lag bolts, and do not overtighten them.

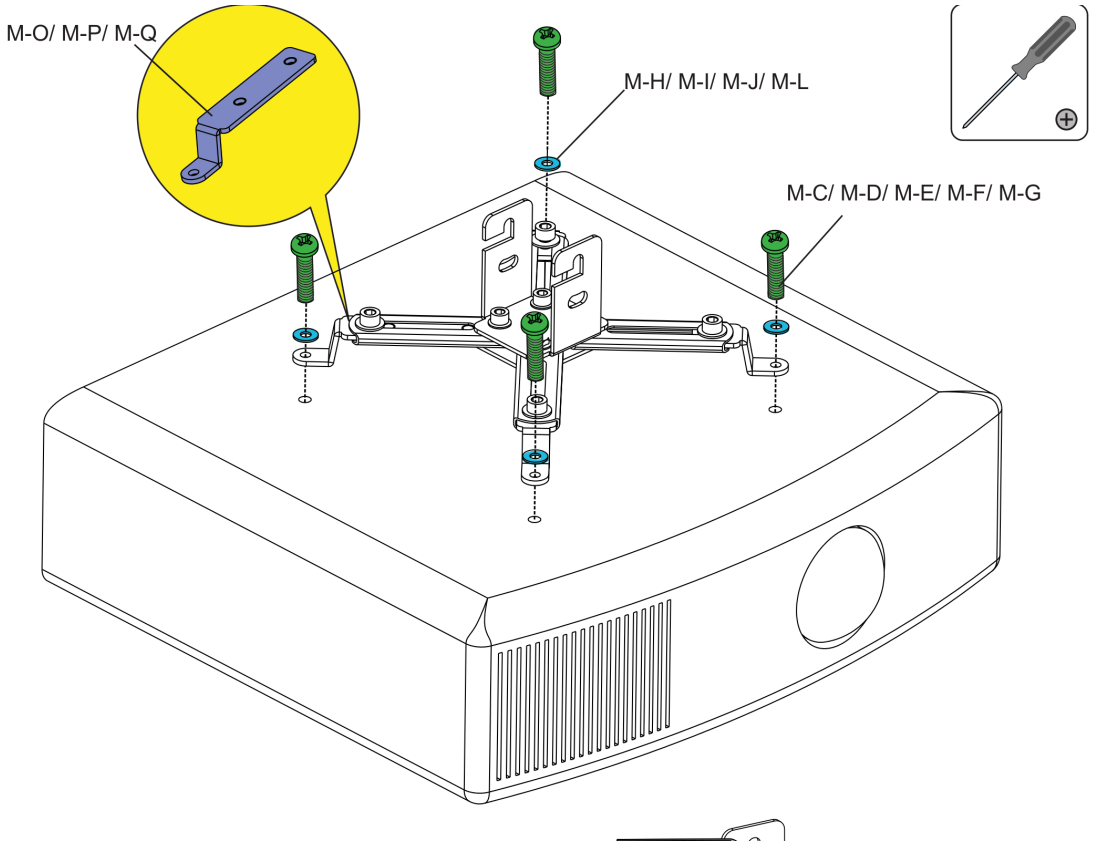
⚠ **Warning.** Installers are responsible for providing hardware for other types of mounting situations. Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

STEP 4

Install the adapter bracket on the projector

4

⚠ **Important.** If your projector does not have at least three mounting holes, do not use this projector mount.

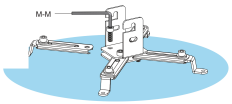


01 Depending on the mounting-hole layout of your projector, replace the attached extension brackets with the additional extension brackets provided (M-O, M-P, or M-Q).

02 Place the adapter bracket (D) as close to the projector's center of gravity as possible, and align the extension-bracket holes over 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's mounting holes, and tighten the screws using a screwdriver. Tighten all screws, but do not overtighten.

Tip. If your projector has three mounting holes, remove the additional extension bracket using the 4 mm Allen key (M-M).

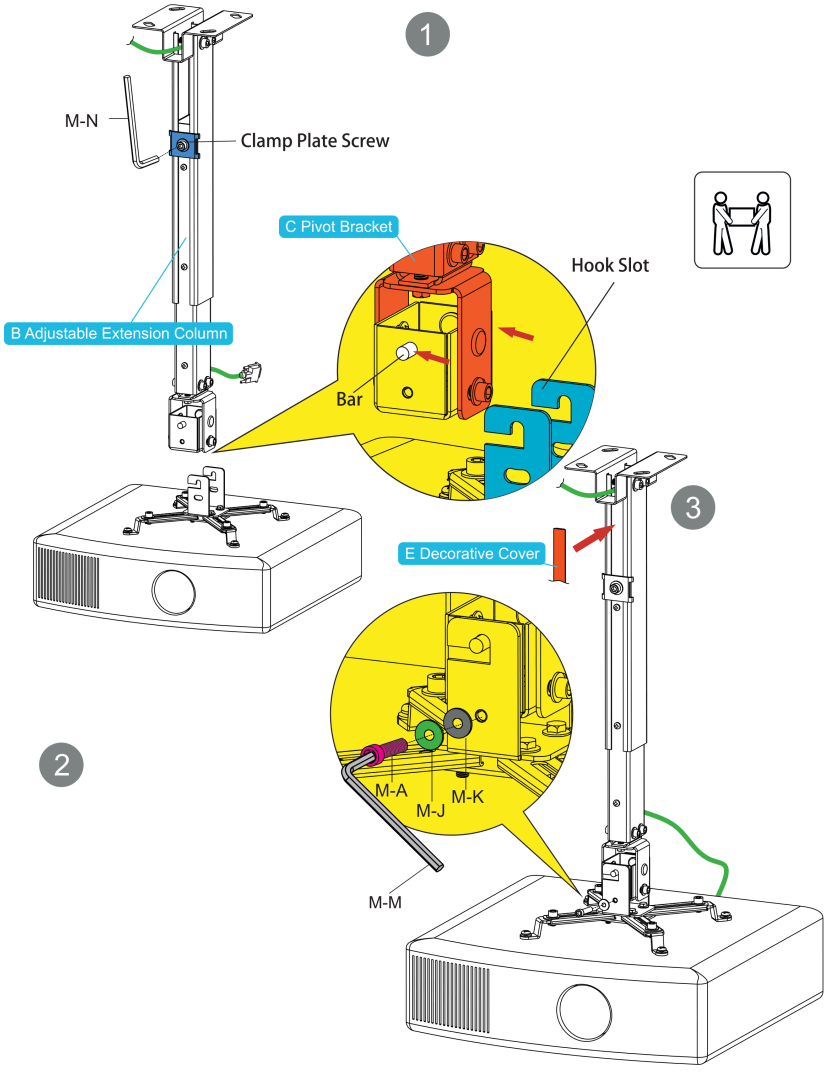


STEP 5

Hang the projector on the mount

5

⚠ **Important.** Use an assistant to hold the projector securely during this step. Make sure the projector is properly hooked and all screws are tightened securely before releasing the projector.



01 To adjust the height of the extension column, loosen the clamp plate screw with the 5 mm Allen key (M-N), move the extension column to the desired position, and then tighten the clamp plate screw.

02 Guide the hook slots of the adapter bracket (D) onto the bars of the pivot bracket (C). Then secure the adapter bracket with two M5 screws (M-A) and two sets of washers (M-J and M-K), using the 4 mm Allen key (M-M).

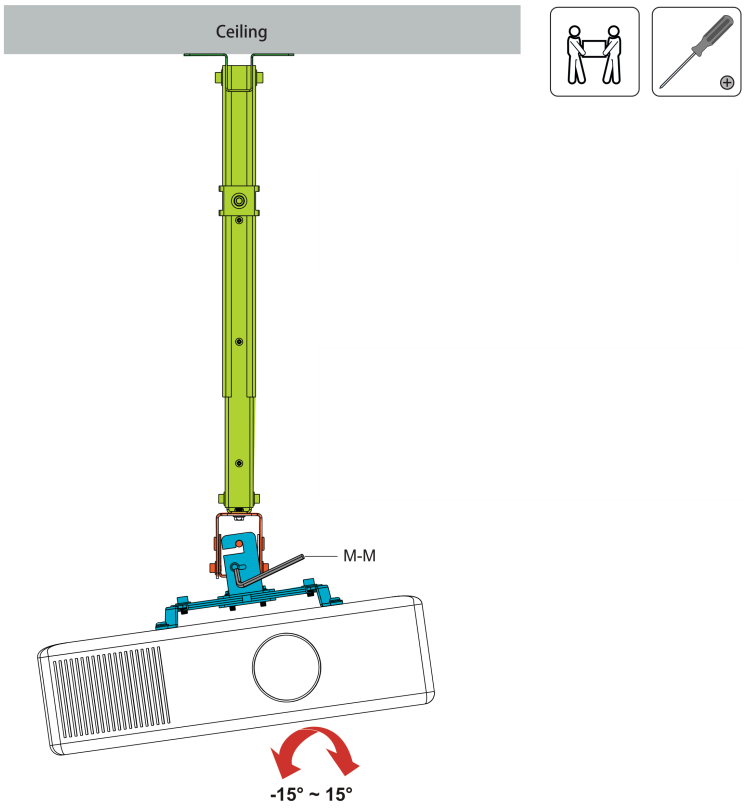
03 Cut the decorative cover (E) to fit the length of the outer extension column, and then snap the decorative cover into the opening.

Note. The numbers 1, 2, and 3 in the illustration match sub-steps 01, 02, and 03.

STEP 6

Adjust the projector

6



Your projector ceiling mount is now installed. To make adjustments, slightly loosen the screws with the 4 mm Allen key (M-M). The projector tilts from −15° to +15°. When you are satisfied with the position, tighten the screws again.

⚠ **Important.** Use an assistant to hold the projector securely during this step. Do not loosen the screws all the way when making adjustments. The parts can disconnect and cause injury or property damage.

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-WHT`
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-WHT – [order number]
```

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

Maintenance

Check regularly that the projector assembly is secure and safe to use. If you have questions about the instructions, 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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