

Low-profile projector ceiling mount with ceiling plate and connector, for wood or concrete ceilings.

QG-PM-002-BLK-S



Short ceiling mount · pitch $\pm 15^\circ$ · roll $\pm 15^\circ$ · vertical tilt 0–90° · rotation 360°

BLACK

MAXIMUM RATED LOAD

29.7 lb / 13.5 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 installation and assembly.

⚠ Warning

- Do not begin to install 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 specified in this manual: 29.7 lb / 13.5 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

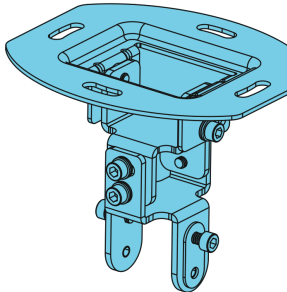
CEILING CONSTRUCTION	HARDWARE REQUIRED
Wood stud	Included
Wood beam	Included
Solid concrete	Included
Brick	Included
Other	Contact a qualified professional

Parts checklist

⚠ Important. Before you start, check that 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.

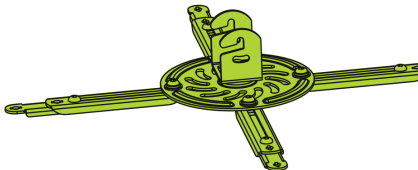
Main parts

ILLUSTRATIONS NOT TO SCALE



Ceiling plate with connector

A · ×1



Projector mounting bracket

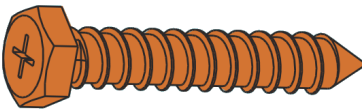
B · ×1



Marking template

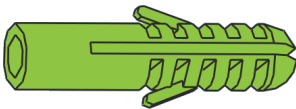
C · ×1

Ceiling hardware



ST6.3 × 65 mm lag bolts

W-A · ×4



10 × 60 mm concrete anchors

W-B · ×4



D6 washers

W-C · ×4

Hardware package

Projector hardware

PROJECTOR SCREWS: USE ONLY WHAT FITS



M3 × 20 mm screws
M-A · ×4



M4 × 25 mm screws
M-B · ×4



M5 × 25 mm screws
M-C · ×4



M6 × 25 mm screws
M-D · ×4



D3 washers
M-E · ×4



D4 washers
M-F · ×4



D5 washers
M-G · ×4



D6 washers
M-H · ×4



1 mm spacers
M-I · ×4



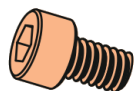
2 mm spacers
M-J · ×4



3 mm spacers
M-K · ×4



5 mm spacers
M-L · ×4



M5 × 12 mm screws
M-M · ×2



D5 Ø5 × Ø10 washers
M-N · ×2



D5 plastic washers
M-O · ×2



4 mm Allen key
M-P · ×1

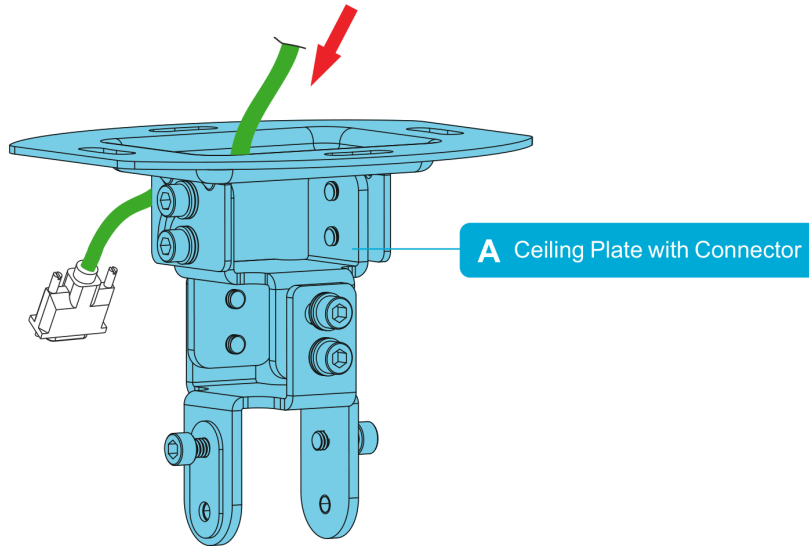


3 mm Allen key
M-Q · ×1

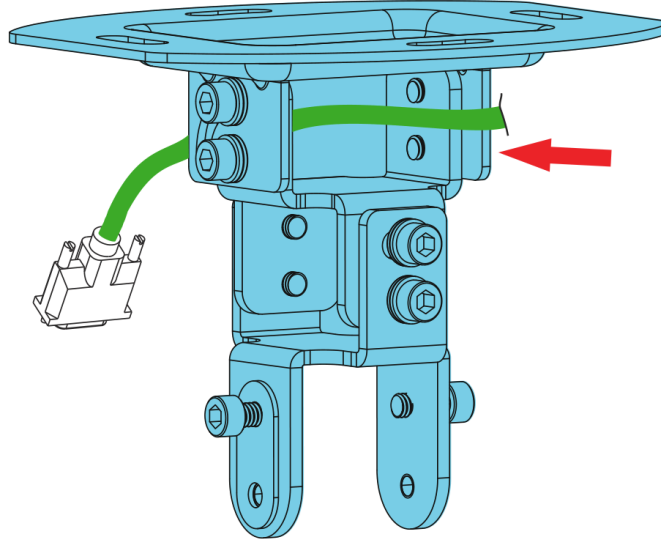
STEP 1

Route the projector cables

1



1.1 Feed the projector cable(s) through the top of the ceiling plate.



1.2 Or feed the projector cable(s) through the side of the ceiling plate.

STEP 2 • MOUNT THE CEILING PLATE

Mount to a wood ceiling

2a

Note. For a concrete ceiling, follow step 2b on page 08.



Stud finder

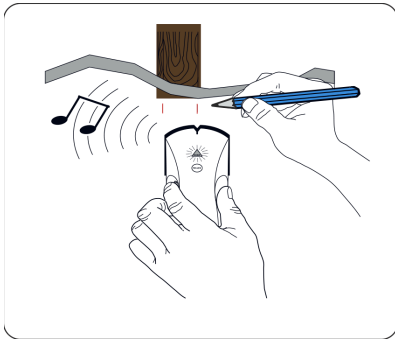
Straight edge

Pencil

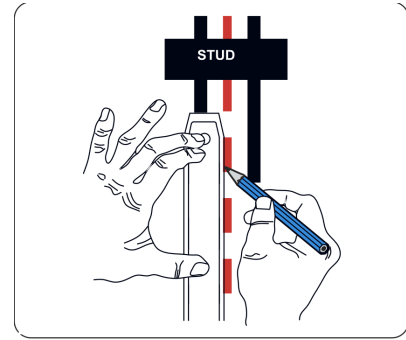
Power drill

3/16 in drill bit

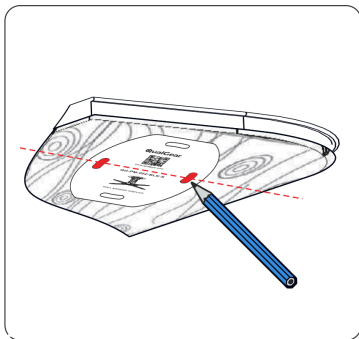
Socket wrench



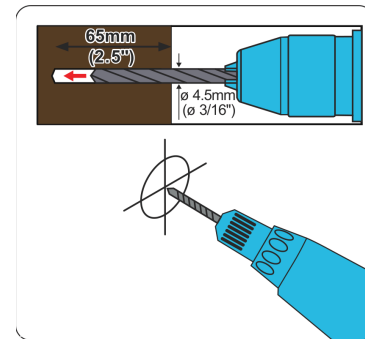
2a.1 Using an edge-to-edge stud finder, find the edges of the stud.



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

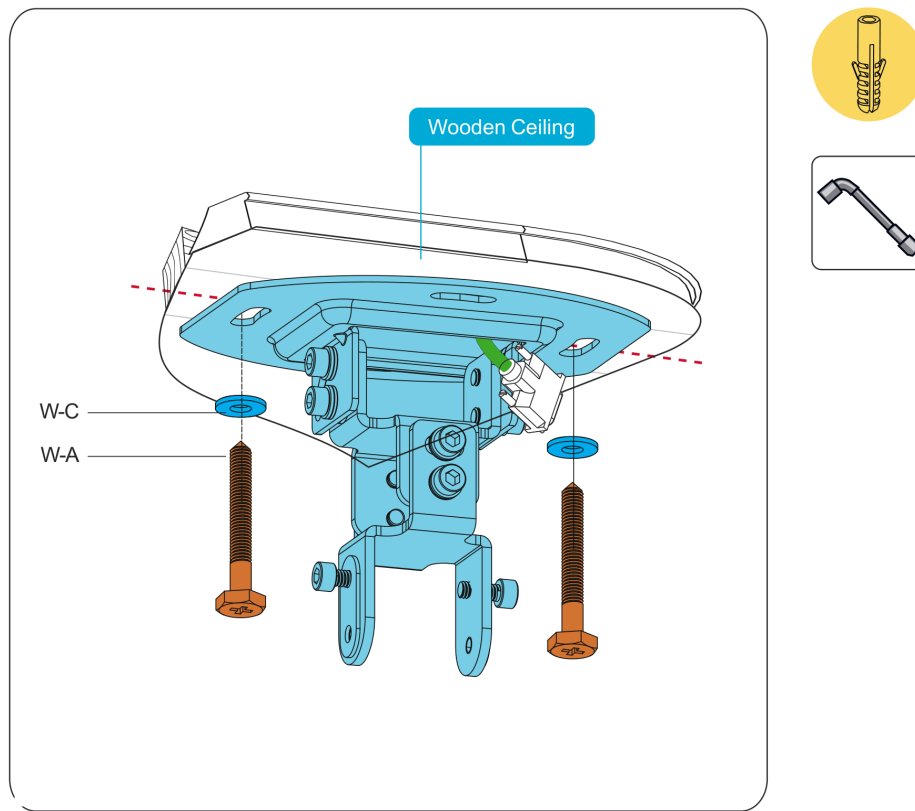


2a.3 Using the marking template (C), mark two holes for drilling on the centerline of the stud.



2a.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.

Tip. Depending on the direction of the studs, choose the mounting holes accordingly.

2a Mount to a wood ceiling (continued)

2a.5 Using a socket wrench, mount the ceiling plate with connector (A) and fasten it with the lag bolts (W-A) and D6 washers (W-C). The mount fits flat or sloped ceilings.

Note. Do not use a power drill to drive the lag bolts, and do not overtighten them. Do not use the concrete anchors (W-B) in wood.

⚠ 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 • SKIP TO STEP 3, PAGE 10

STEP 2 • MOUNT THE CEILING PLATE

Mount to a concrete ceiling

2b



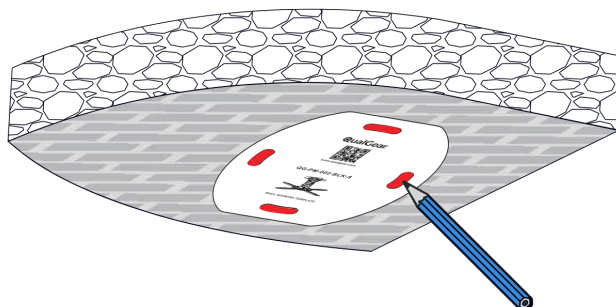
Pencil

Power drill

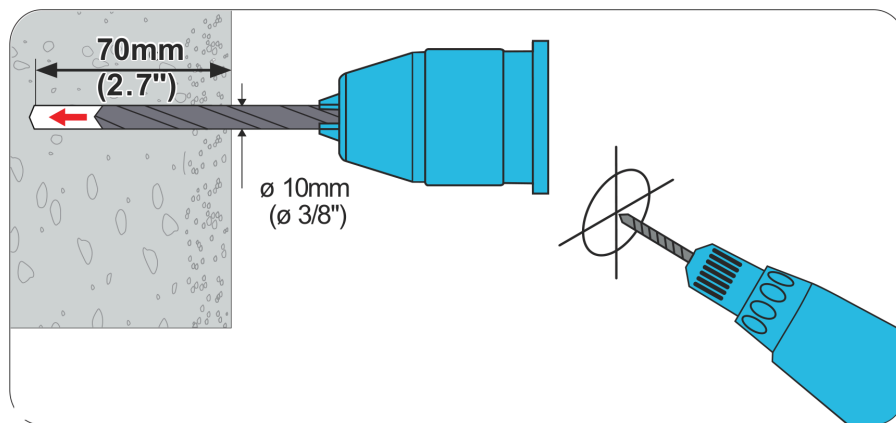
3/8 in masonry drill bit

Hammer

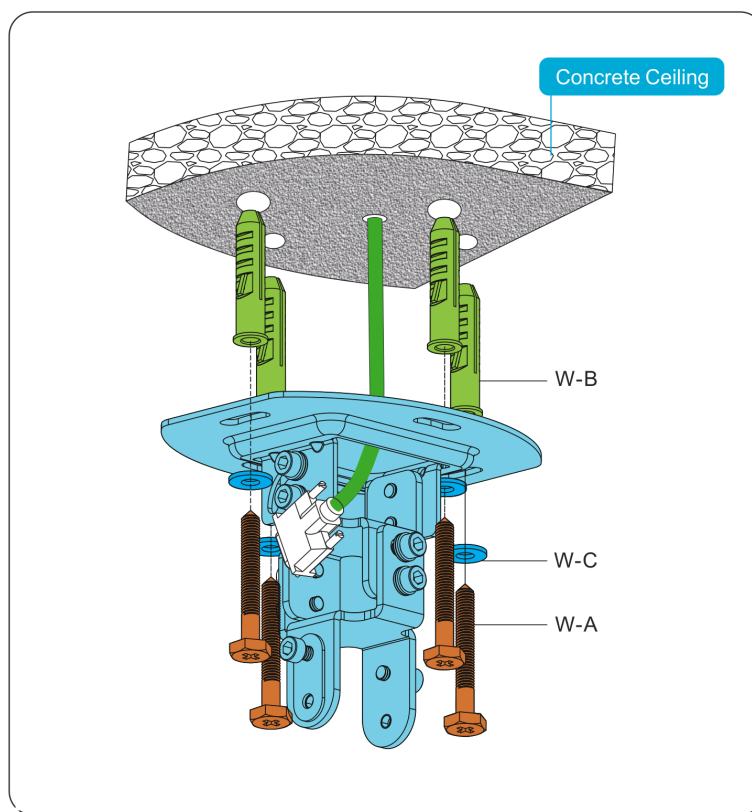
Socket wrench



2b.1 Hold the marking template (C) against the ceiling where you want to install the projector, and mark four holes for drilling.



2b.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.

2b Mount to a concrete ceiling (continued)

2b.3 Place a concrete anchor (W-B) in each hole and tap it flush with the ceiling using a hammer. Using a socket wrench, mount the ceiling plate with connector (A) and fasten it with the lag bolts (W-A) and D6 washers (W-C).

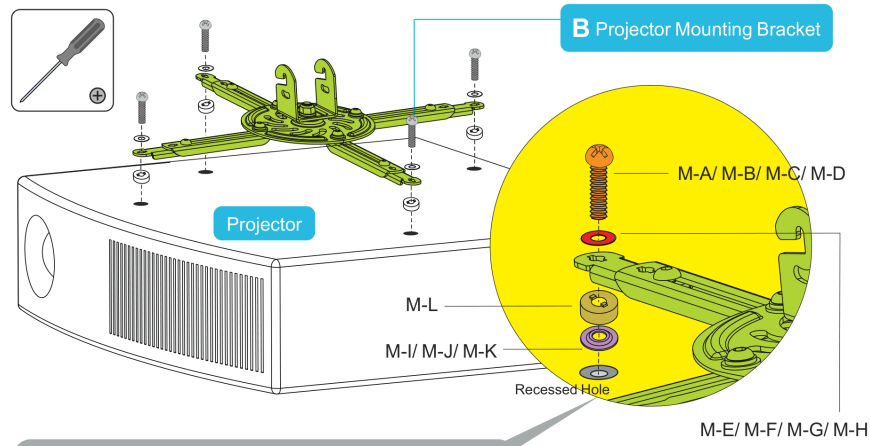
Note. Do not use a power drill to drive the lag bolts, and do not overtighten them.

⚠ Warning. Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

STEP 3

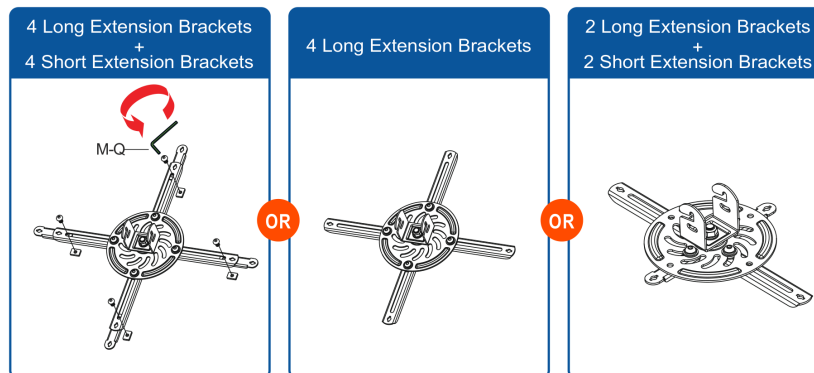
Attach the projector mounting bracket to the projector

3



- 3.1 Align the holes of the extension brackets on the projector mounting bracket (B) over the mounting holes of the projector. Select the screws (M-A, M-B, M-C, or M-D) and washers (M-E, M-F, M-G, or M-H) that fit. Place a 5 mm spacer (M-L) between the brackets and the projector.

Note. For recessed mounting holes only, add the 1 mm, 2 mm, or 3 mm spacer (M-I, M-J, or M-K) that fits, in addition to the 5 mm spacer (M-L).



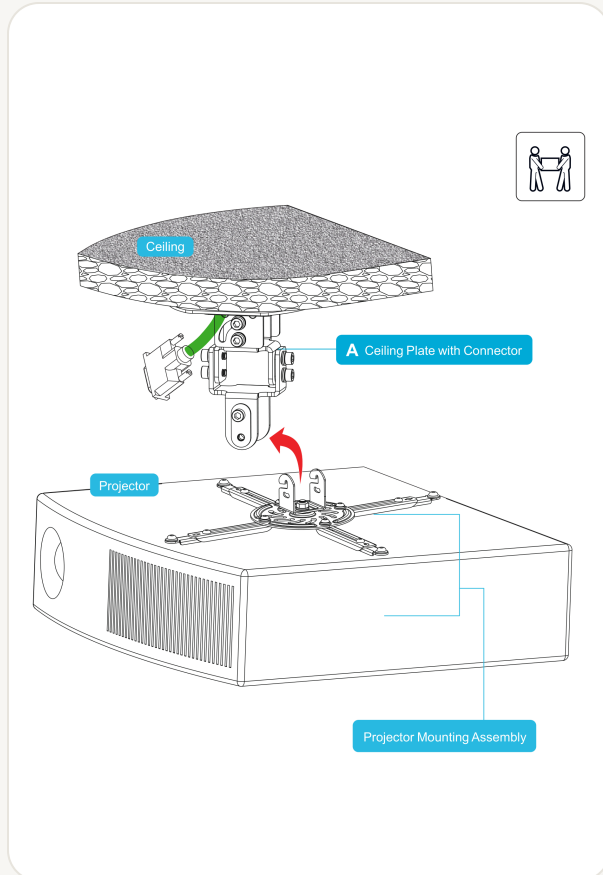
- 3.2 Depending on your projector, use one of these combinations: 4 long and 4 short extension brackets, 4 long extension brackets, or 2 long and 2 short extension brackets. The 3 mm Allen key (M-Q) adjusts the brackets.

STEP 4

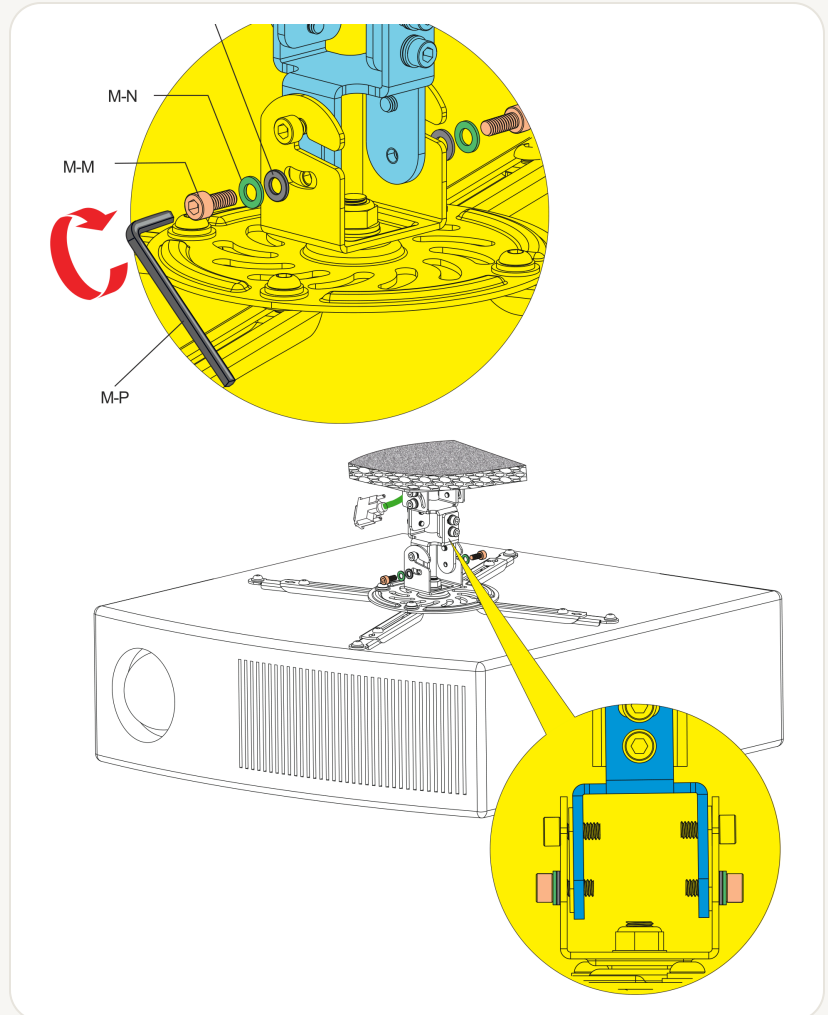
Install the projector ceiling mount assembly

4

⚠ Important. Heavy. Use an assistant for this step.



- 4.1 Lift the projector with its mounting bracket to the ceiling plate with connector (A).



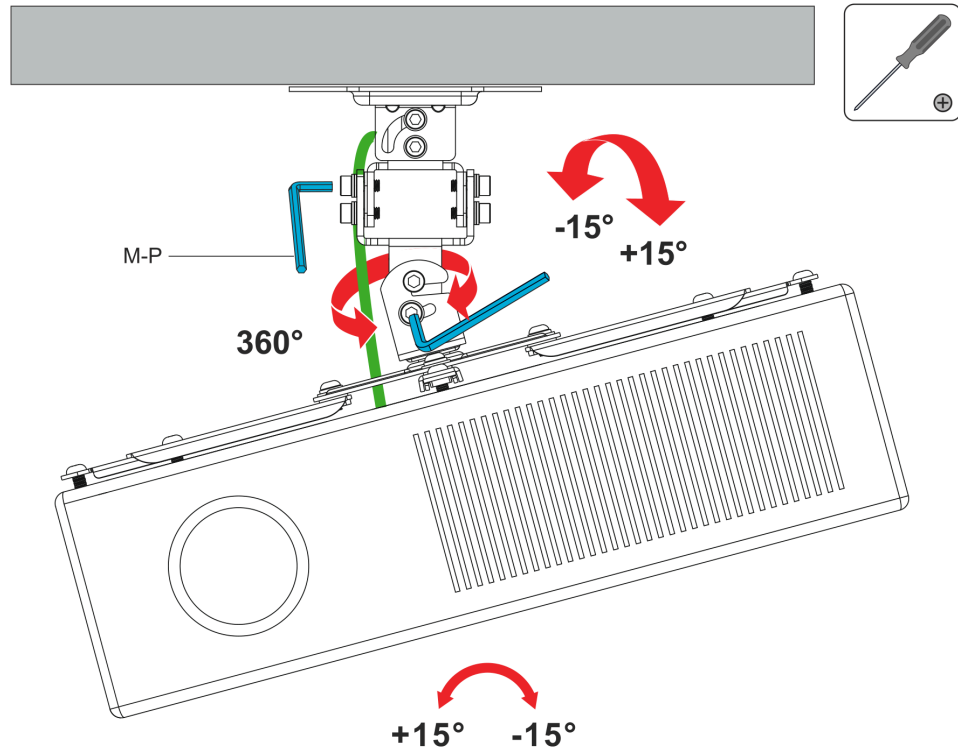
- 4.2 Align the assembly with the connector. Using the 4 mm Allen key (M-P), attach them with screws (M-M), washers (M-N), and plastic washers (M-O).

Note. This mount allows pitch and roll adjustments, so you can fine-tune the projector position.

STEP 5

Adjust the projector

5



Your projector ceiling mount is now installed. To make adjustments, slightly loosen the screws with the 4 mm Allen key (M-P): pitch -15° to $+15^{\circ}$, roll -15° to $+15^{\circ}$, vertical tilt from 0° to 90° , and 360° rotation. When you are satisfied with the position, tighten the screws again.

⚠ Important. Do not loosen the screws all the way when making adjustments. Doing so disconnects the parts and may 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-BLK-S**
- 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-S –
[order number]

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

Maintenance

Check at regular intervals that the projector mount is secure and safe to use. If you have questions about any instruction or warning, 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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