

Ceiling projector mount kit for a single joist or concrete ceiling.

QG-KIT-CA-3IN-B



IN THIS KIT

PART 1

Ceiling adapter with cover
QG-PRO-PM-CA-B

PART 2

3 in NPT pipe
QG-PRO-PM-3IN-B

PART 3

Projector mount
QG-PRO-PM-50-B

KIT RATED LOAD

50 lb / 22.7 kg

⚠ Do not exceed the 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

- Read and understand all instructions and warnings in this manual before you start. If you have questions, contact support@qualgear.com (U.S.) or your local distributor (international).
- Installation should only be done by someone with good mechanical aptitude and basic building construction experience who fully understands these instructions.
- Install and use this kit only as described in this manual. Improper installation can cause damage or serious injury. QualGear is not liable for improper use or installation.
- Never exceed the kit's rated load of 50 lb / 22.7 kg.
- Always use an assistant or mechanical lifting equipment to lift and position the equipment.
- Tighten screws firmly, but do not over-tighten. Over-tightening can damage parts and greatly reduce their holding power.
- Use all hardware at the points shown in these instructions to prevent property damage and personal injury.
- When mounting to wood, drill into the center of the joist or stud. An edge-to-edge stud finder is highly recommended.
- Before drilling, check the ceiling for electrical cables and water or gas pipes.
- Do not install near air-conditioner vents or where there is excessive dust or smoke.
- For indoor use only. Outdoor use voids the limited warranty.
- Installers are responsible for providing hardware for mounting situations not covered in this manual.

⚠ Important. Installers must verify that the supporting structure will safely hold the combined weight of the equipment and all attached hardware and components.

⚠ Important. Do not loosen screws all the way when making adjustments. Parts can disconnect and cause injury or property damage.

What’s in the kit

This kit mounts a projector to a single wood joist or a concrete ceiling. The adapter plate fastens to the ceiling, the pipe threads into the plate, the decorative cover hides the plate, and the mount holds the projector.

PART	MODEL	DESCRIPTION	RATED LOAD	WARRANTY
1	QG-PRO-PM-CA-B	Single-joist ceiling adapter with decorative cover	120 lb / 54.4 kg	5 years
2	QG-PRO-PM-3IN-B	3 in, 1-1/2 in NPT threaded pipe	800 lb / 363 kg	5 years
3	QG-PRO-PM-50-B	Projector mounting bracket	50 lb / 22.7 kg	5 years
	QG-KIT-CA-3IN-B	Complete kit	50 lb / 22.7 kg	See above

How the kit goes together

1	Mount the ceiling adapter STEP 1A OR 1B	P. 06
2	Connect the pipe and cover STEP 2	P. 08
3	Mount the projector STEPS 3-6	P. 09
4	Adjust the image STEP 7	P. 11
–	Maintenance and removal STEPS R1-R3	P. 12

Tools you’ll need

- Stud finder (wood)
- Pencil
- Straight edge
- Power drill
- 5/32 in wood bit
- 3/8 in masonry bit
- Hammer (concrete)
- Socket wrench
- An assistant

How to read the labels. Each part has its own hardware list, and the letters in the drawings match that list. Check the part number at the top of each stage — for example, (A) is the adapter plate in stage 1 but the projector bracket in stage 3, and (C) is a screw in stage 1 but the Allen key in stage 3.

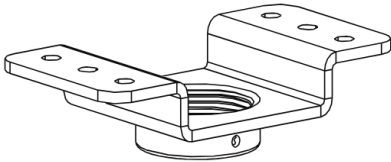
Parts checklist

⚠ Important. Before you start, check that every part below is included. If anything is missing or damaged, contact support@qualgear.com or your local distributor, and don't start installation until you have all the parts.

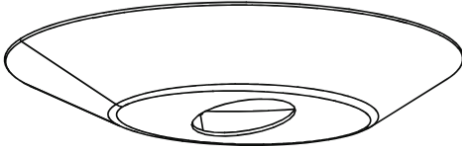
PART 1

Ceiling adapter with cover

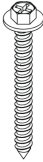
QG-PRO-PM-CA-B



Adapter plate
A · ×1



Decorative cover
B · ×1



#14 × 2.5 in screws
C · ×2



M5 × 5 mm security screws
D · ×2



M5 × 5 mm screws
E · ×2



M6 × 60 mm metal expansion anchors
F · ×4



M6 washers
G · ×2



Allen key
I · ×1



Marking template
H · ×1

PART 2

3 in NPT pipe

QG-PRO-PM-3IN-B

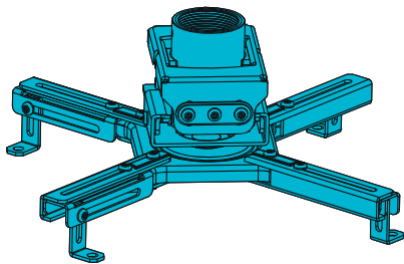


Pipe, 1-1/2 in NPT, 3 in long
A · ×1

The 3 in pipe ships without a cover plate. The screws that lock the pipe to the adapter come with Part 1 (D or E).

PART 3 Projector mount

QG-PRO-PM-50-B



Projector bracket
A · ×1



M6 × 8 mm screw
B · ×1



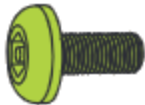
4 mm Allen key
C · ×1

Projector hardware package

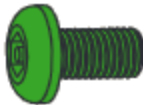
USE ONLY WHAT FITS YOUR PROJECTOR



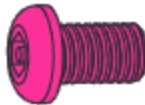
M3 × 8 mm screws
M - A · ×4



M4 × 10 mm screws
M - B · ×4



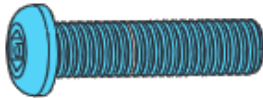
M5 × 10 mm screws
M - C · ×4



M6 × 10 mm screws
M - D · ×4



M4 × 25 mm screws
M - E · ×4



M6 × 25 mm screws
M - F · ×4



D3 washers
M - G · ×4



D4 washers
M - H · ×4



D5 washers
M - I · ×4



D6 washers
M - J · ×4



5 mm spacers
M - K · ×8

Note. The bracket (A) comes apart into three pieces during installation: screw A1, adapter bracket A2, and projector bracket A3. These labels appear in the stage 3 drawings.

STAGE 1

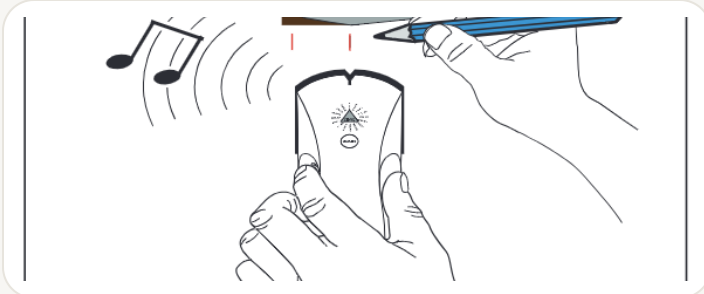
PART 1

Mount the ceiling adapter

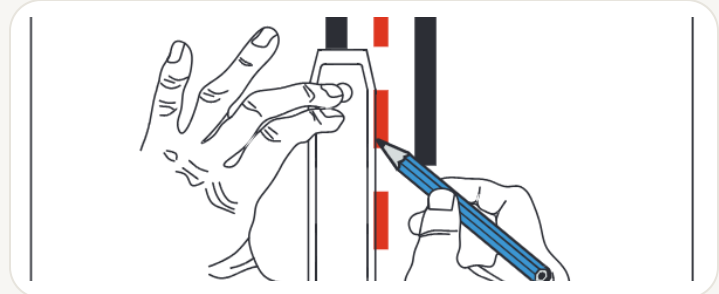
QG-PRO-PM-CA-B

Follow 1a for a wood joist or 1b for a concrete ceiling. Mark the holes with the marking template (H): wood uses holes 3 and 4; concrete uses holes 1, 2, 5, and 6.

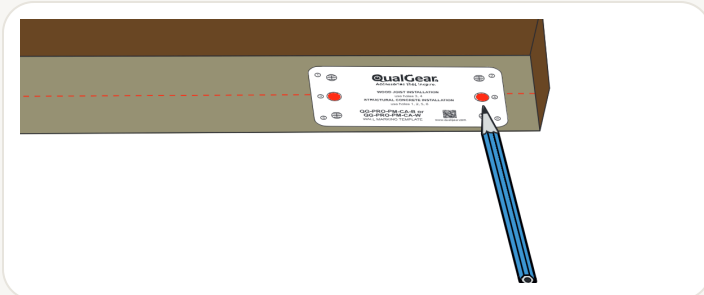
1a Mount to a wood joist or stud



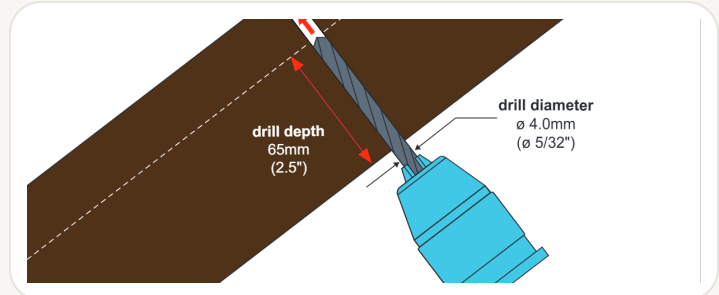
Find both edges of the joist with an edge-to-edge stud finder.



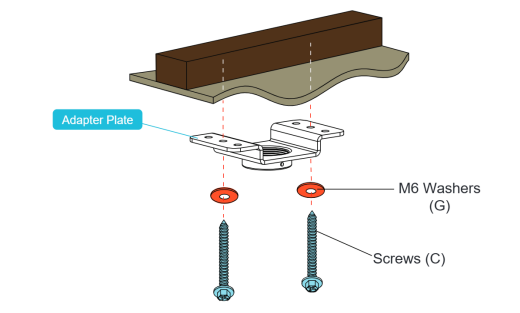
Mark the joist centerline with a straight edge.



Center the template (H) on the line and mark holes 3 and 4.



Drill a 5/32 in (4.0 mm) hole, 2.5 in (65 mm) deep, at each mark.

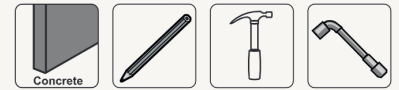
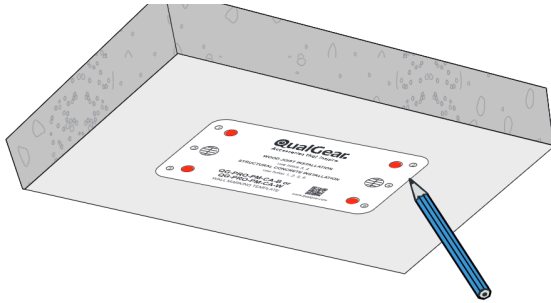


Line up the adapter plate (A) with the holes. Fasten it with the screws (C) and washers (G), tightening them with a socket wrench.

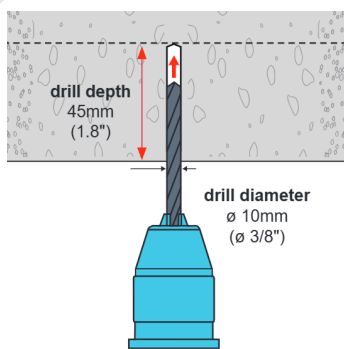
Tip. Drill at the center of the joist for the strongest hold.

GO TO STEP 2 →

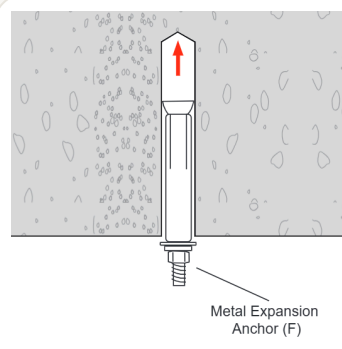
1b Mount to a concrete ceiling



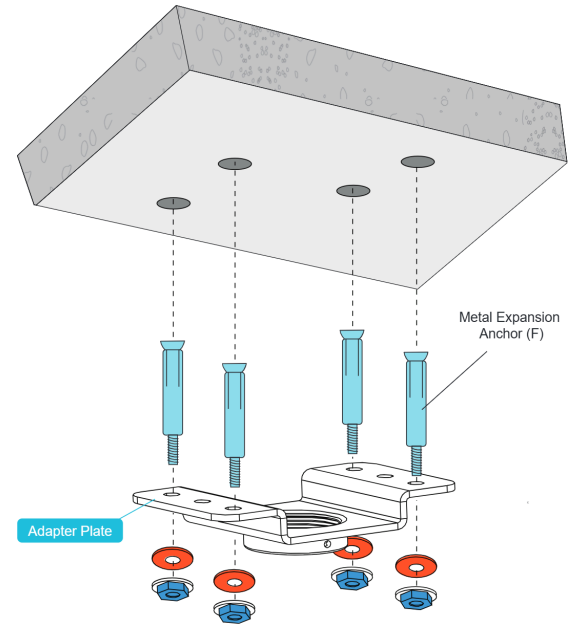
- 1 Place the template (H) and mark holes 1, 2, 5, and 6.



- 2 Drill four 3/8 in (10 mm) holes, 1.8 in (45 mm) deep, with a masonry bit.



- 3 Hammer an anchor (F) into each hole. Remove the nut and washer from each anchor.



- 4 Fit the adapter plate (A) over the anchors. Replace the washers and nuts and tighten them with a socket wrench.

Tip. Clear the dust from each hole so the anchors set properly.

⚠ Warning. Use only structural concrete. Installers are responsible for providing hardware for any mounting situation not shown here.

STAGE 2

PART 2

Connect the pipe and cover

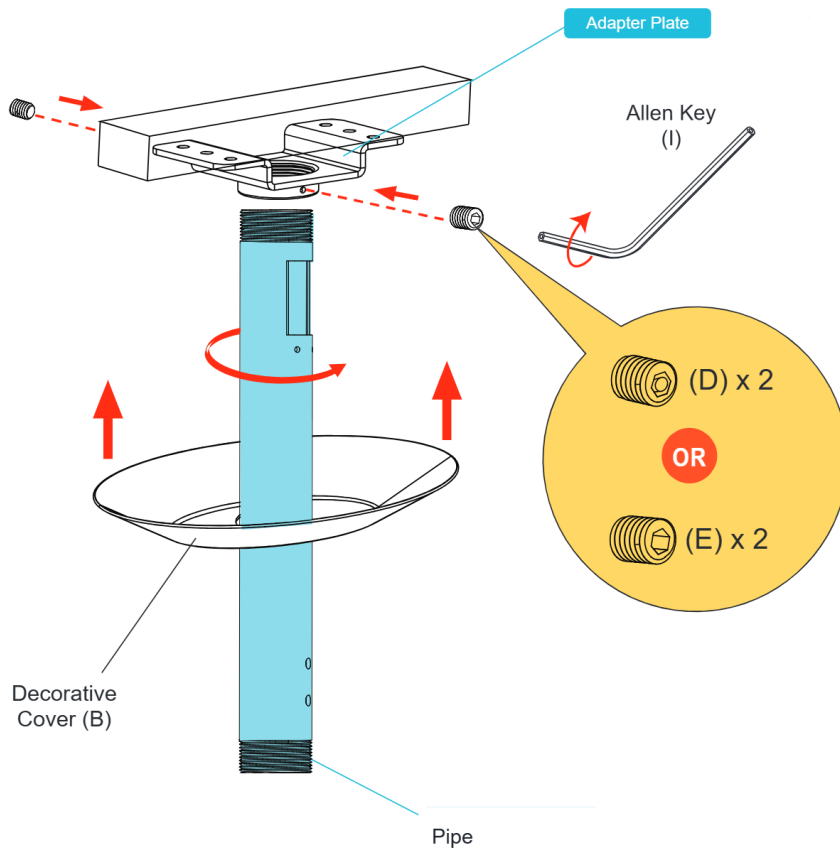
QG-PRO-PM-3IN-B

2 Attach the pipe and decorative cover

⚠ Important. Do not loosen screws all the way when making adjustments. Parts can disconnect and cause injury or property damage.

- 01 Thread the top of the pipe (A) into the adapter plate until it is snug.
- 02 Lock the pipe with two screws from Part 1 — security screws (D) or standard screws (E).
- 03 Tighten the screws with the Allen key (I).
- 04 Slide the decorative cover (B) up the pipe until it covers the adapter plate.

Note. Put the cover on the pipe before you attach the projector mount. It can't pass over the mount afterward.



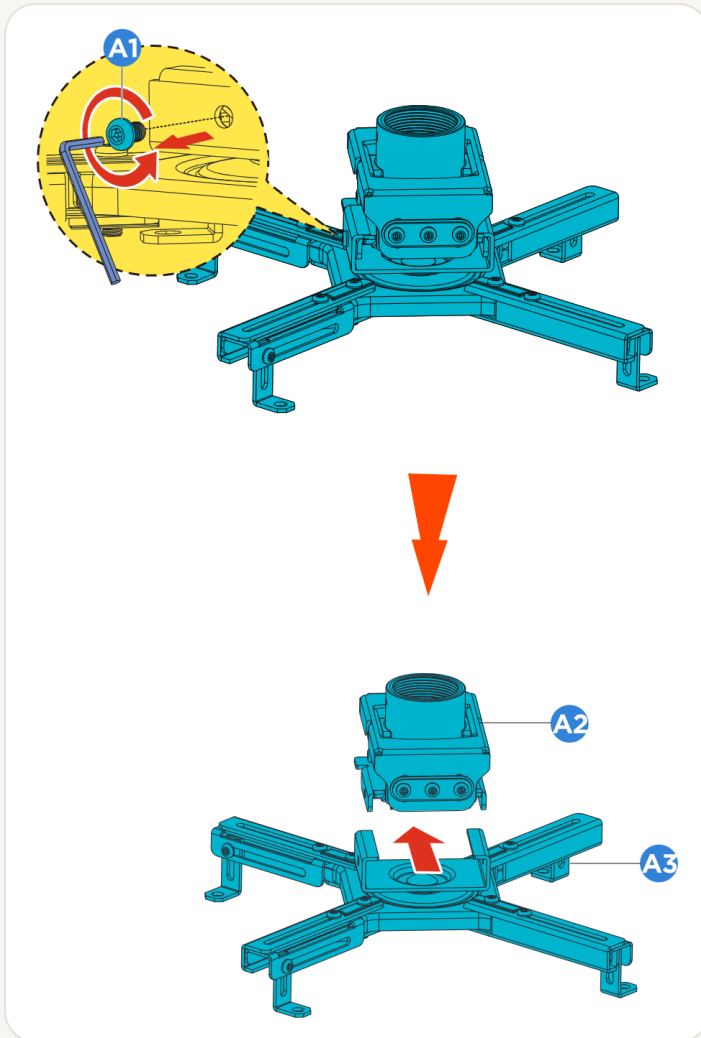
STAGE 3

Mount the projector

PART 3

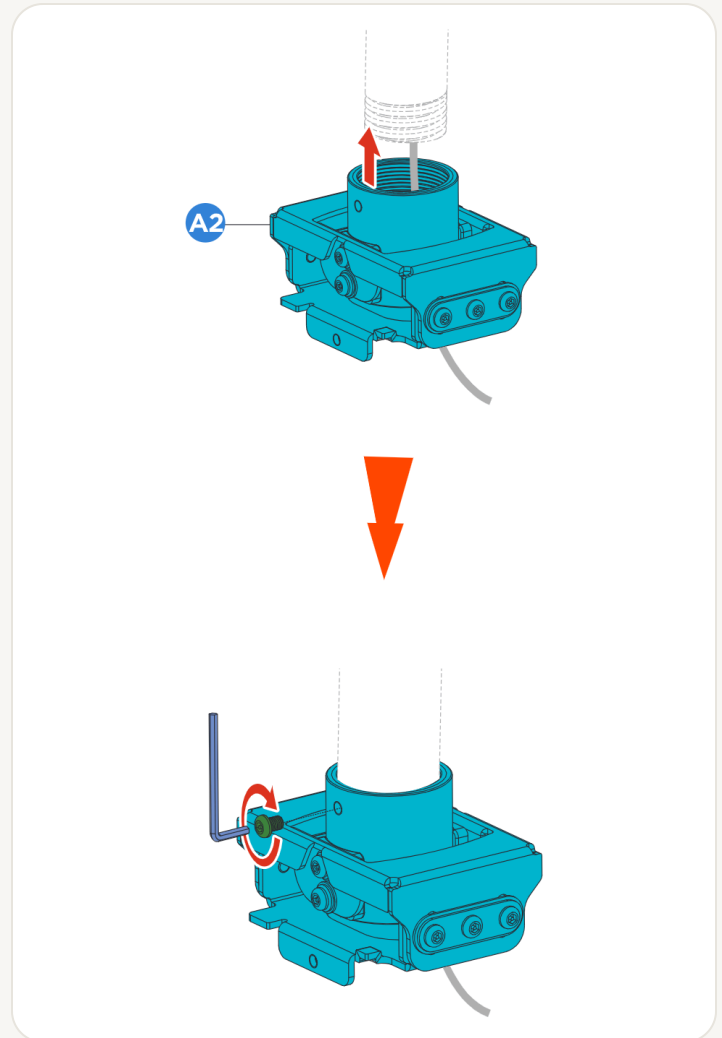
QG-PRO-PM-50-B

3 Take the bracket apart



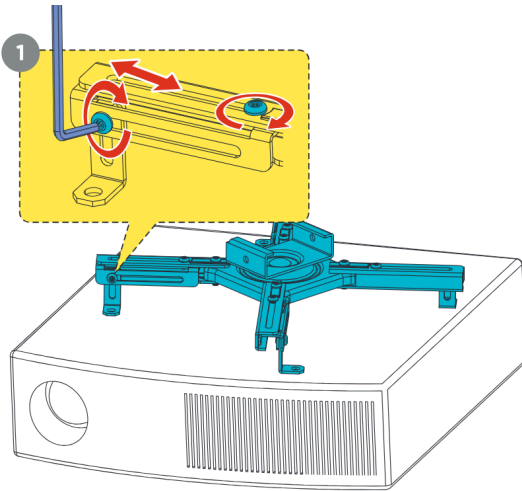
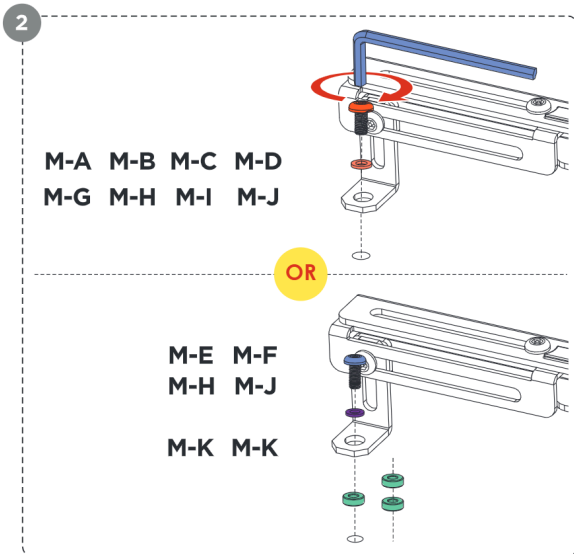
- 01 Remove screw A1 with the 4 mm Allen key (C).
- 02 Lift the adapter bracket (A2) off the projector bracket (A3).

4 Attach the adapter bracket to the pipe



- 01 Thread the adapter bracket (A2) onto the bottom of the pipe until snug.
- 02 Insert the M6 × 8 mm screw (B) and tighten it with the Allen key (C) to lock the bracket.

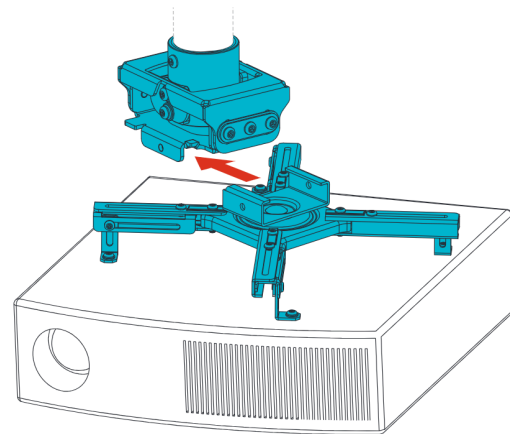
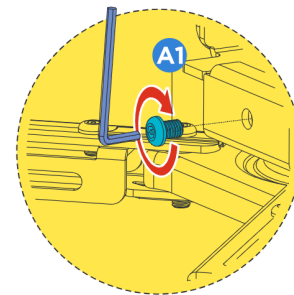
5 Attach the bracket to the projector



- 01 Loosen the arm screws. Slide and turn the arms until the feet line up with the projector's mounting holes, then retighten.
- 02 Fasten each foot with a 10 mm screw (M-A to M-D) and matching washer (M-G to M-J).
- 03 If the feet don't sit flat, use a 25 mm screw (M-E or M-F), washer (M-H or M-J), and 5 mm spacers (M-K).

6 Hang the projector

⚠ Two people required. Have an assistant support the projector until screw A1 is tight.



- 01 Lift the projector and slide the projector bracket (A3) onto the adapter bracket (A2).
- 02 Reinstall screw A1 and tighten it with the Allen key (C).

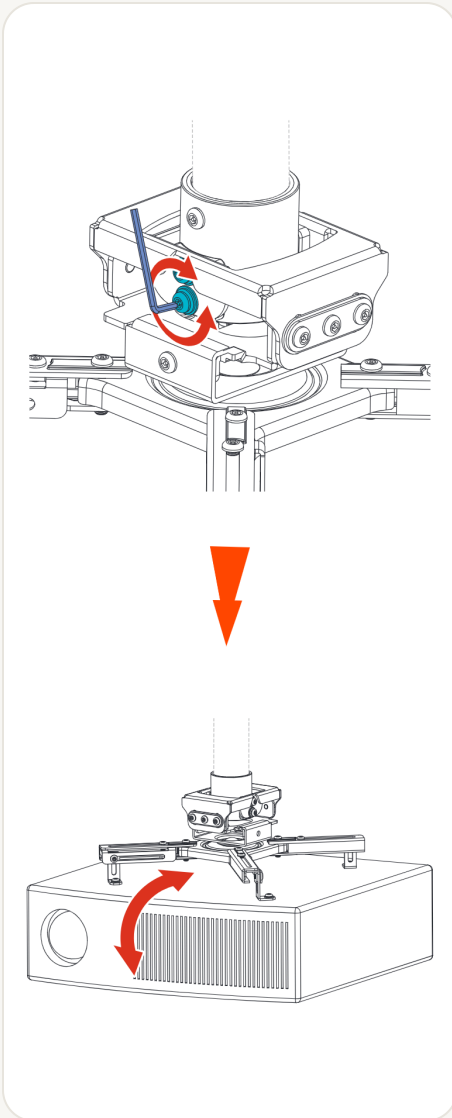
STAGE 4

PART 3

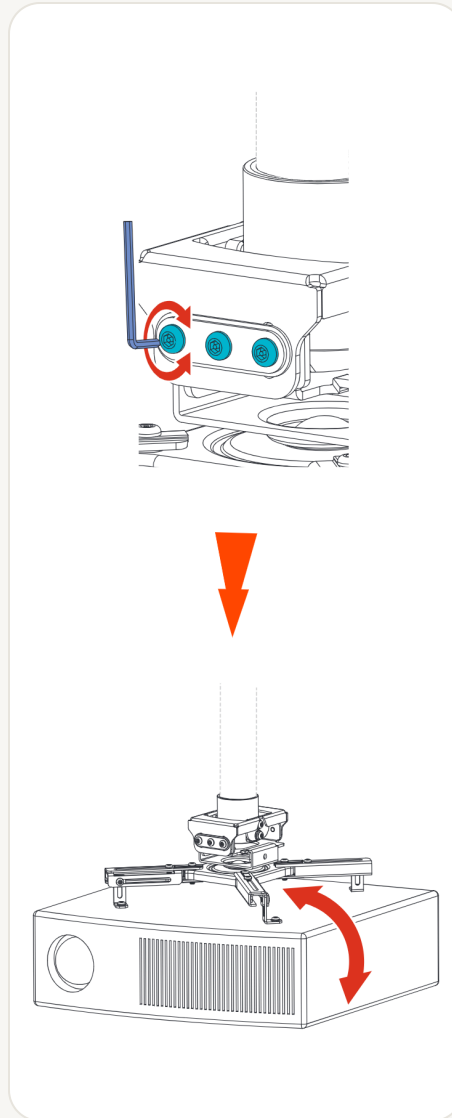
Adjust the image

QG-PRO-PM-50-B

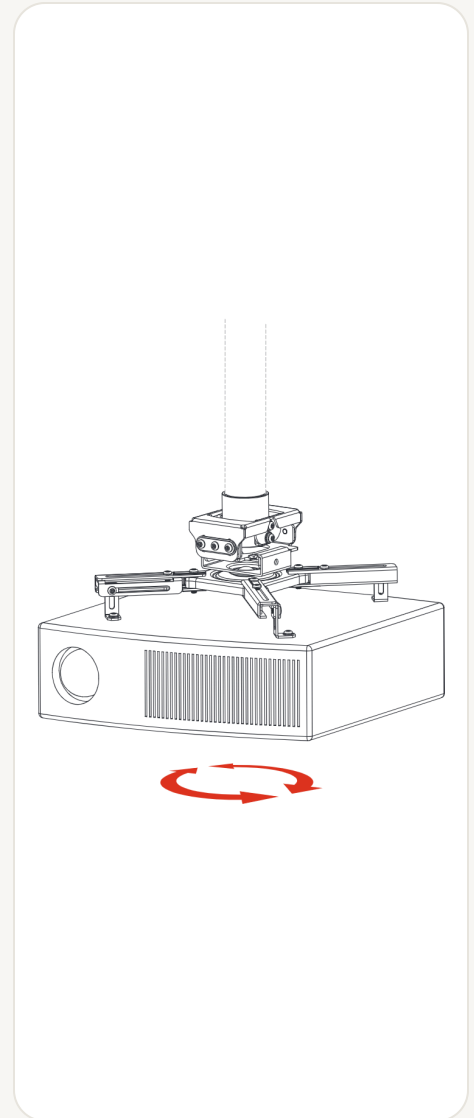
Loosen only as far as needed to move the projector, and support it while you adjust. Retighten each screw when the image is set.

7a Pitch

Loosen the pivot screw on the side, tilt the projector up or down, then retighten.

7b Roll

Loosen the screws on the front plate, level the projector side to side, then retighten.

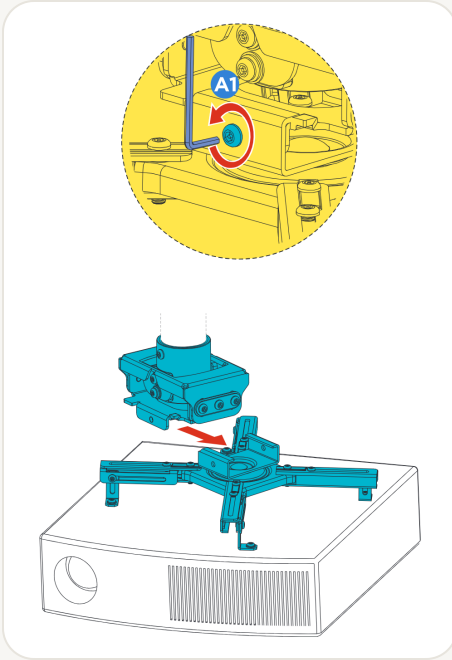
7c Swivel

Turn the projector left or right to square the image to the screen.

Maintenance and removal

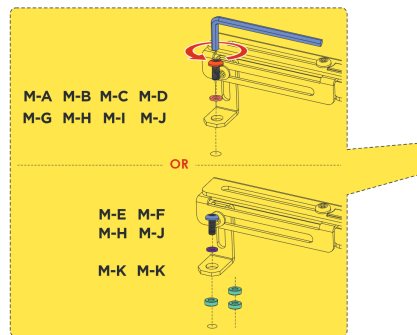
Maintenance. Check regularly that the ceiling adapter, pipe, and projector assembly are secure and safe to use. If you have questions, contact support@qualgear.com or your local distributor.

R1 Detach the projector



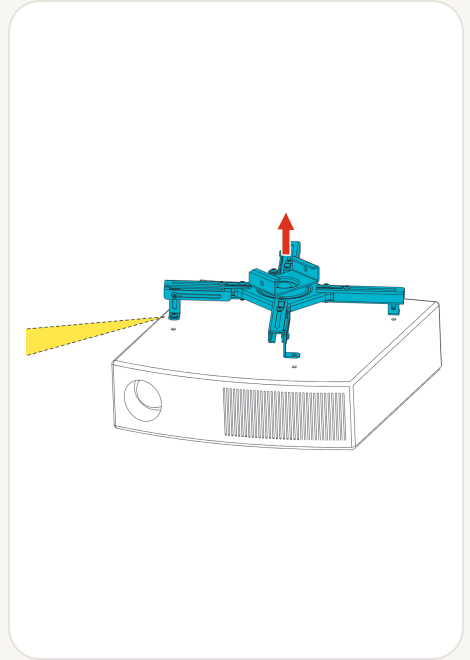
With an assistant supporting the projector, loosen screw A1 and slide the projector off the adapter bracket (A2).

R2 Remove the mounting screws



Remove the screws, washers, and spacers that hold the feet to the projector.

R3 Lift off the bracket



Lift the projector bracket (A3) off the projector.

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-KIT-CA-3IN-B**
- 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 **5-year limited warranty (parts only)** from the original purchase date. Email us with this subject line:

Warranty Claim - QG-KIT-CA-3IN-B -
[order number]

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

Maintenance

Check regularly that the ceiling adapter, pipe, and projector assembly are secure and safe to use. For removal steps, see "Maintenance and removal" earlier in this manual. 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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