QUALGEAR

PRO-AV

INSTALLATION MANUAL · PROJECTOR CEILING KIT

Vaulted ceiling projector kit for sloped wood or concrete ceilings.

QG-KIT-VA-3IN-B



IN THIS KIT

PART 1
Vaulted ceiling adapter
QG-PRO-PM-VCA-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.

VERSION OCTOBER 2026

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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 sloped or vaulted ceiling — a wood joist or concrete. The adapter fastens to the ceiling and pivots 0–90° so the pipe hangs straight down, the pipe threads into the adapter, and the mount holds the projector.

PART	MODEL	DESCRIPTION	RATED LOAD	WARRANTY
1	**QG-PRO-PM-VCA-B**	Vaulted ceiling adapter, adjusts 0–90°	300 lb / 136 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-VA-3IN-B	Complete kit	**50 lb / 22.7 kg**	See above

How the kit goes together

1 Mount the ceiling adapter — STEPS 1–2 — P. 06

2 Connect the pipe — STEP 3 — P. 09

3 Mount the projector — STEPS 4–7 — P. 10

4 Adjust the image — STEP 8 — P. 12

– Maintenance and removal — STEPS R1–R3 — P. 13

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

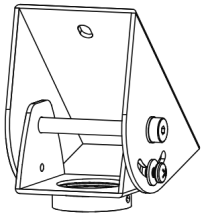
How to read the labels. Each part has its own hardware list, and the letters in the drawings match that list. Check the part number at the top of each stage — for example, (A) is a wood screw in stage 1 but the projector bracket in stage 3, and (C) is the adapter in stage 1 but the Allen key in stage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

QG-PRO-PM-VCA-B



Vaulted ceiling adapter
C · ×1



Marking template
B · ×1



#14 × 2.5 in screws
A · ×3



M6 × 60 mm metal expansion anchors
F · ×3



M5 × 4 mm security screws
D · ×2



M5 × 4 mm screws
E · ×2



M2.5 Allen key
G · ×1

PART 2 3 in NPT pipe

QG-PRO-PM-3IN-B

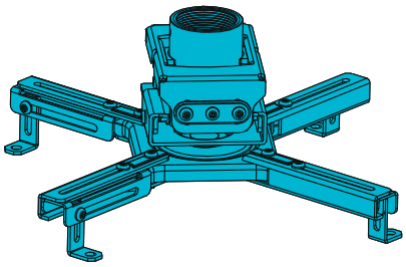


Pipe, 1-1/2 in NPT, 3 in long
A · ×1

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



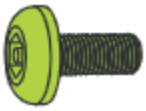
4 mm Allen key
C · ×1

Projector hardware package

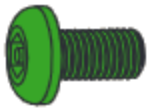
USE ONLY WHAT FITS YOUR PROJECTOR



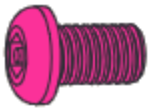
M3 × 8 mm screws
M-A · ×4



M4 × 10 mm screws
M-B · ×4



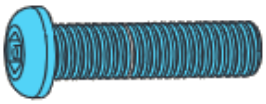
M5 × 10 mm screws
M-C · ×4



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

Mount the ceiling adapter

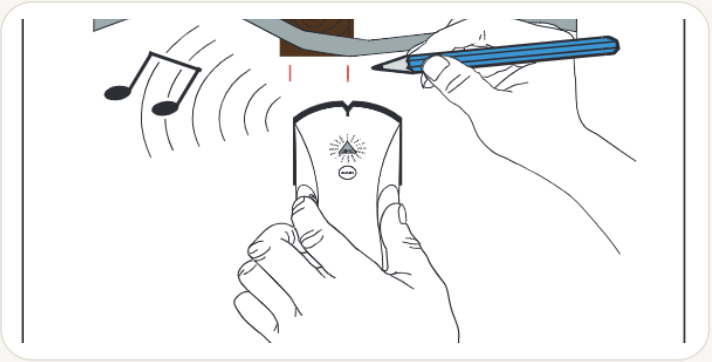
PART 1

QG-PRO-PM-VCA-B

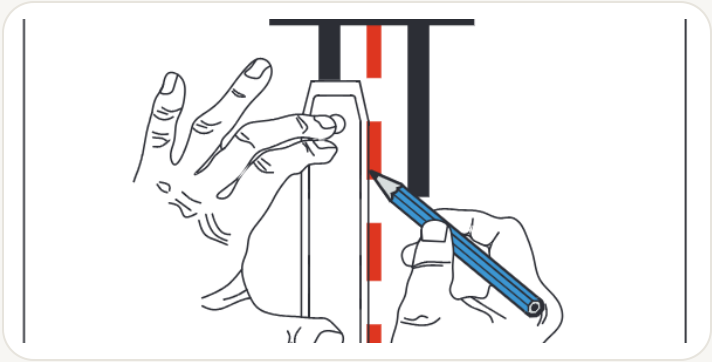
Follow 1a for a sloped wood joist or 1b for a sloped concrete ceiling, then attach the adapter in step 2. Use the marking template (B) to mark all three holes.

1a Prepare a vaulted wood joist or stud ceiling

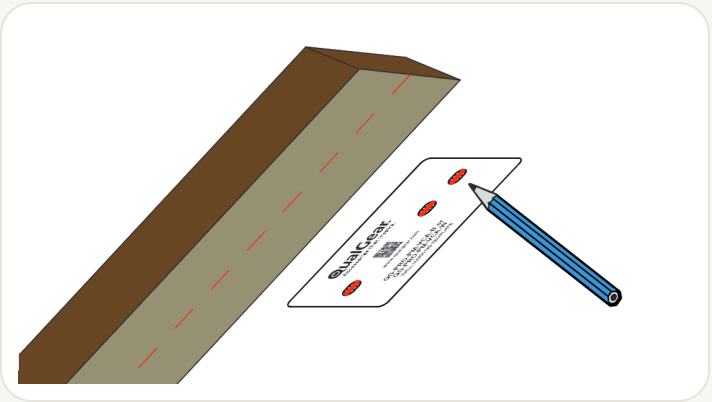




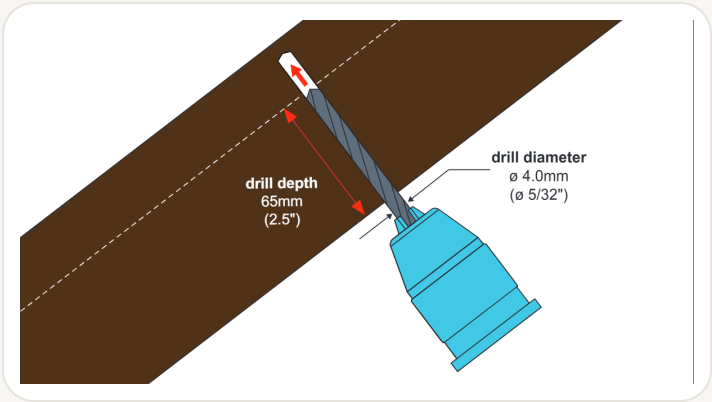
1 Find both edges of the joist with an edge-to-edge stud finder.



2 Mark the joist centerline with a straight edge.



3 Center the template (B) on the line and mark the three holes.



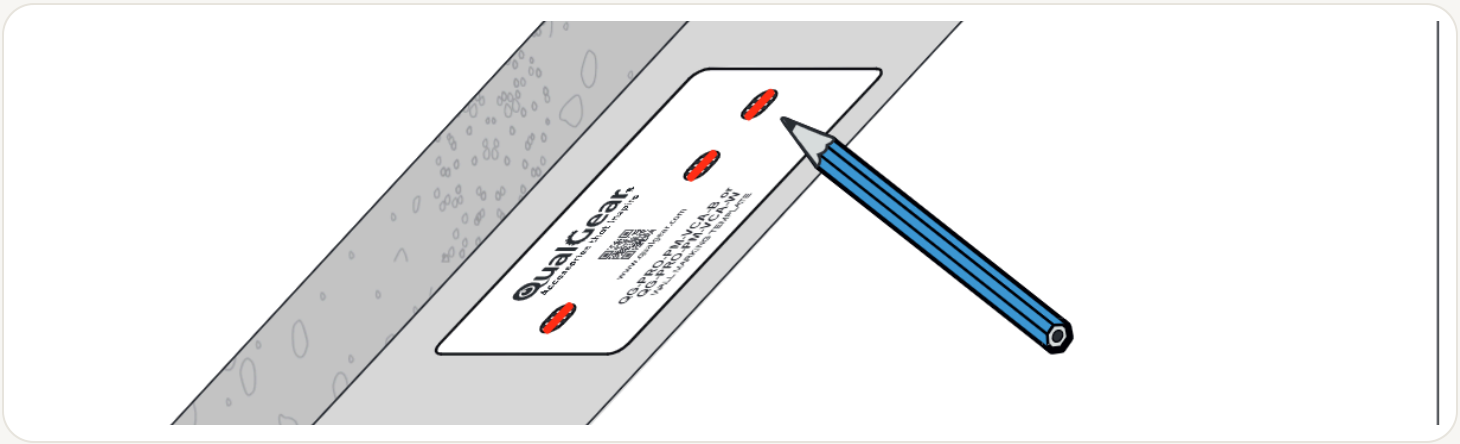
4 Drill a 5/32 in (4.0 mm) hole, 2.5 in (65 mm) deep, at each mark.

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

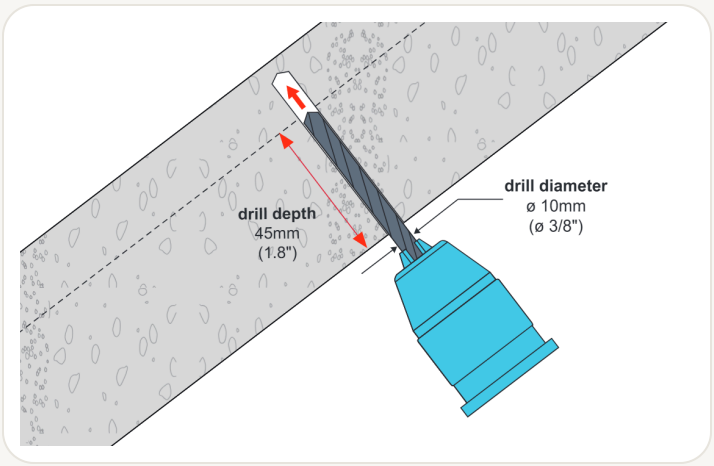
GO TO STEP 2 →

1b Prepare a vaulted concrete ceiling

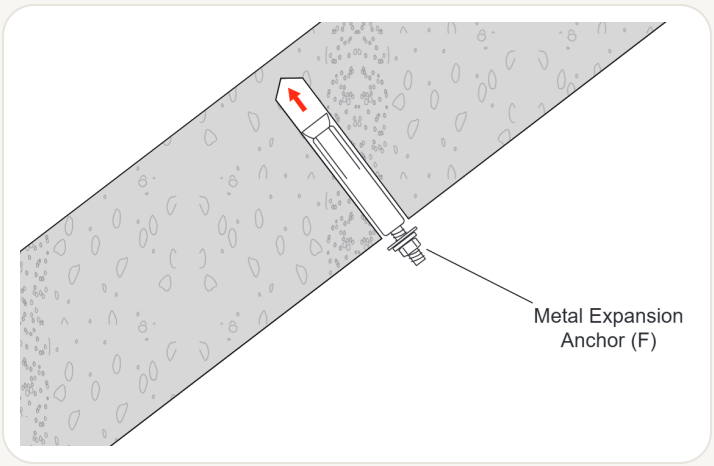




1 Place the template (B) where you want the adapter and mark the three holes.



2 Drill a 3/8 in (10 mm) hole, 1.8 in (45 mm) deep, at each mark with a masonry bit.



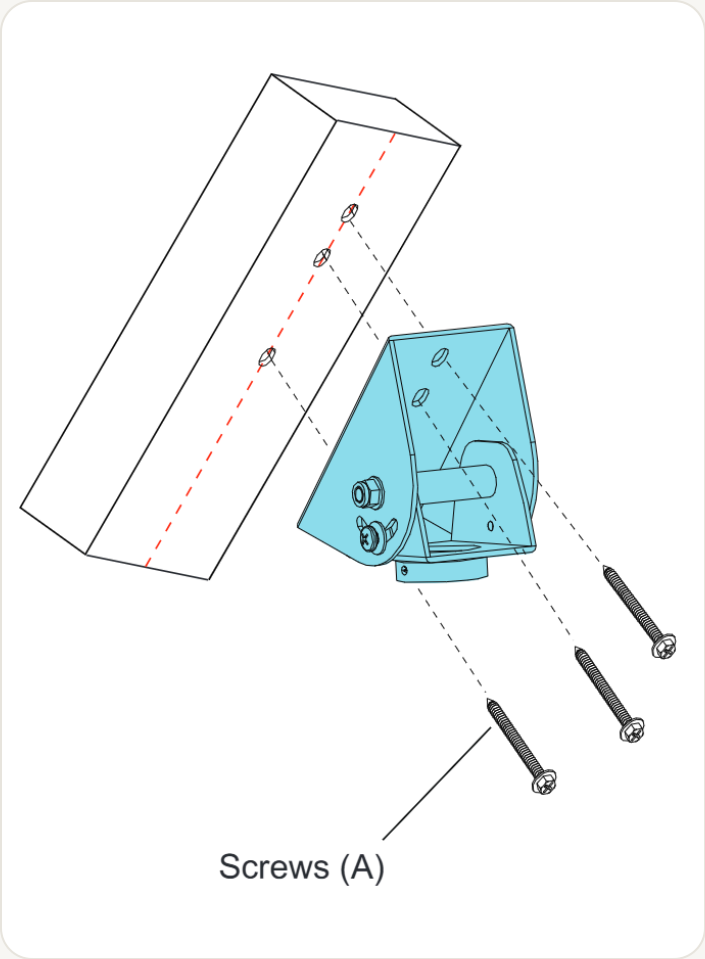
3 Hammer an anchor (F) into each hole, leaving part of the anchor outside the concrete. Remove the nut and washer from each anchor.

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.

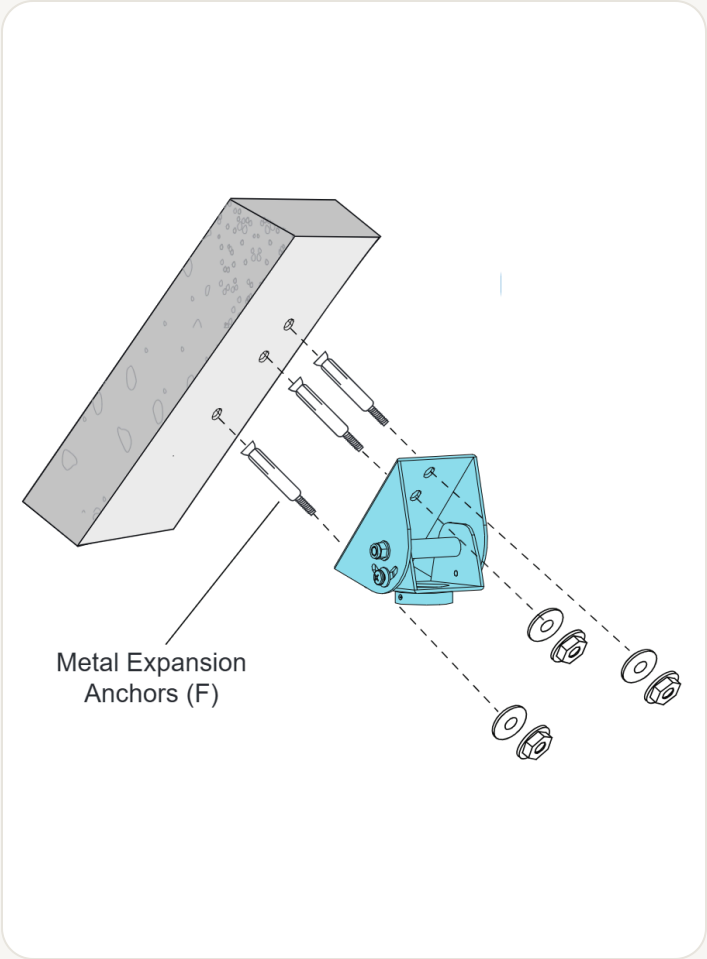
2 Attach the adapter to the ceiling

Wood joist ceiling



Line up the mounting holes on the adapter (C) with the drilled holes. Insert the screws (A) and tighten them with a socket wrench.

Concrete ceiling



Fit the adapter (C) over the anchors (F). Replace the washers and nuts and tighten them with a socket wrench.

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

STAGE 2

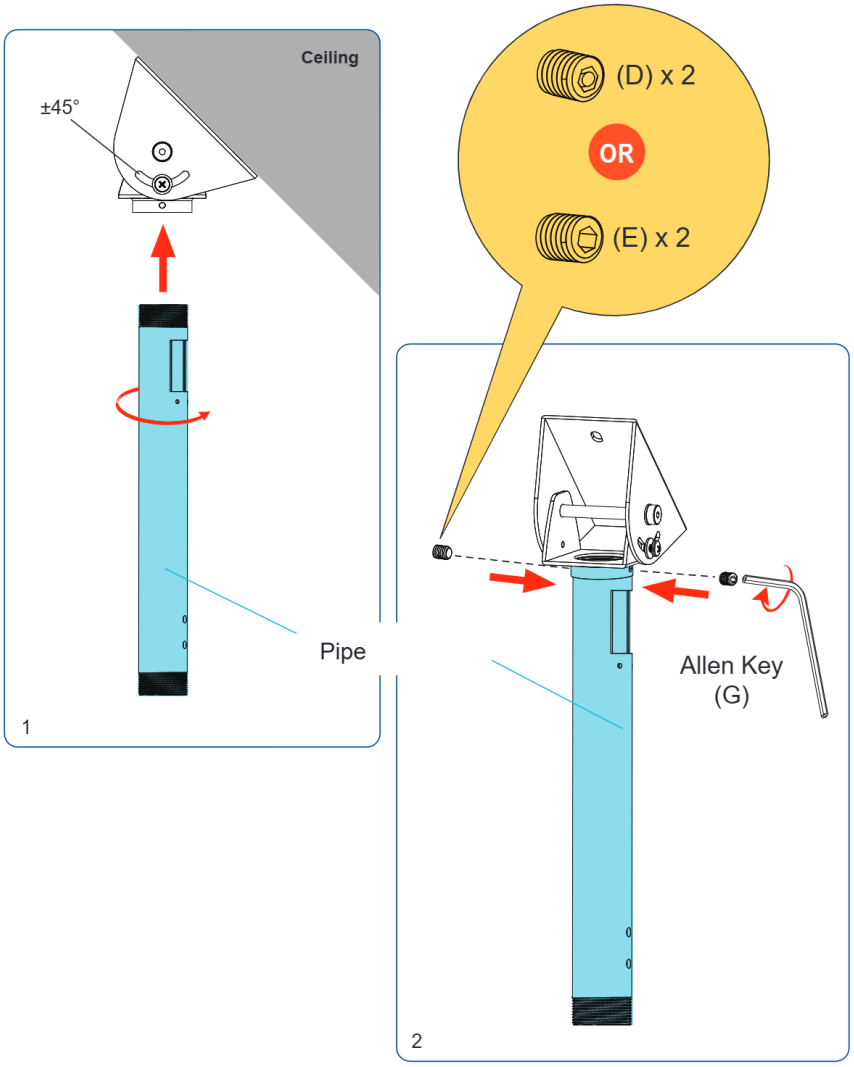
Connect the pipe

PART 2

QG-PRO-PM-3IN-B

3 Attach the pipe to the adapter

⚠ **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 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 (G).

Note. The adapter pivots from 0–90° so the pipe can hang straight down from a sloped ceiling.

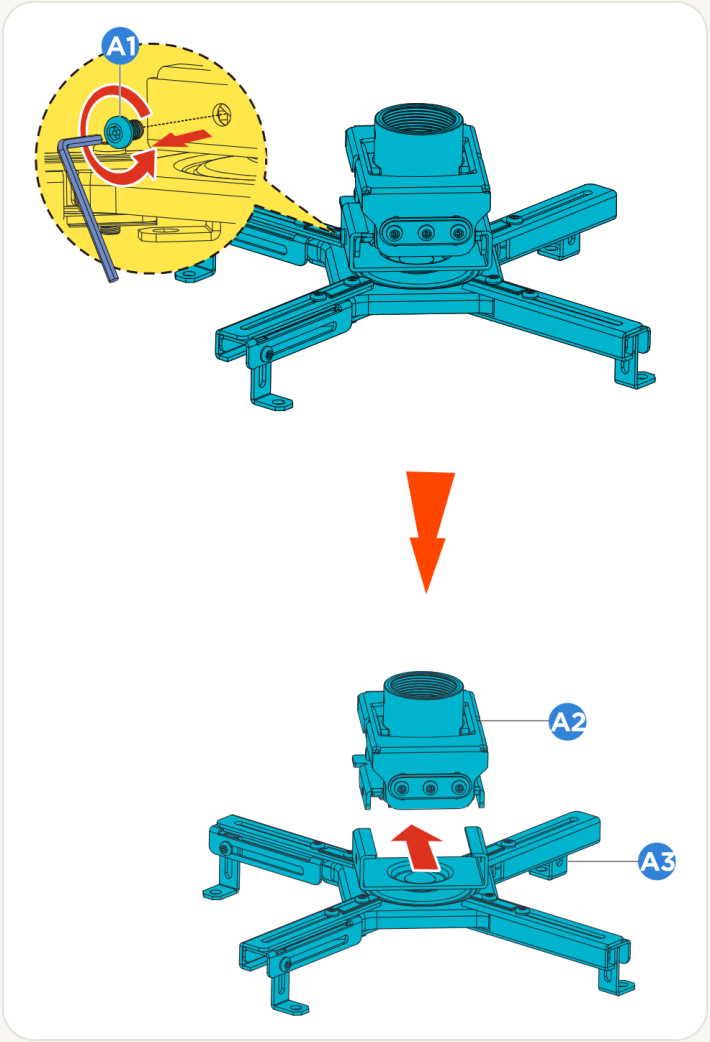
STAGE 3

Mount the projector

PART 3

QG-PRO-PM-50-B

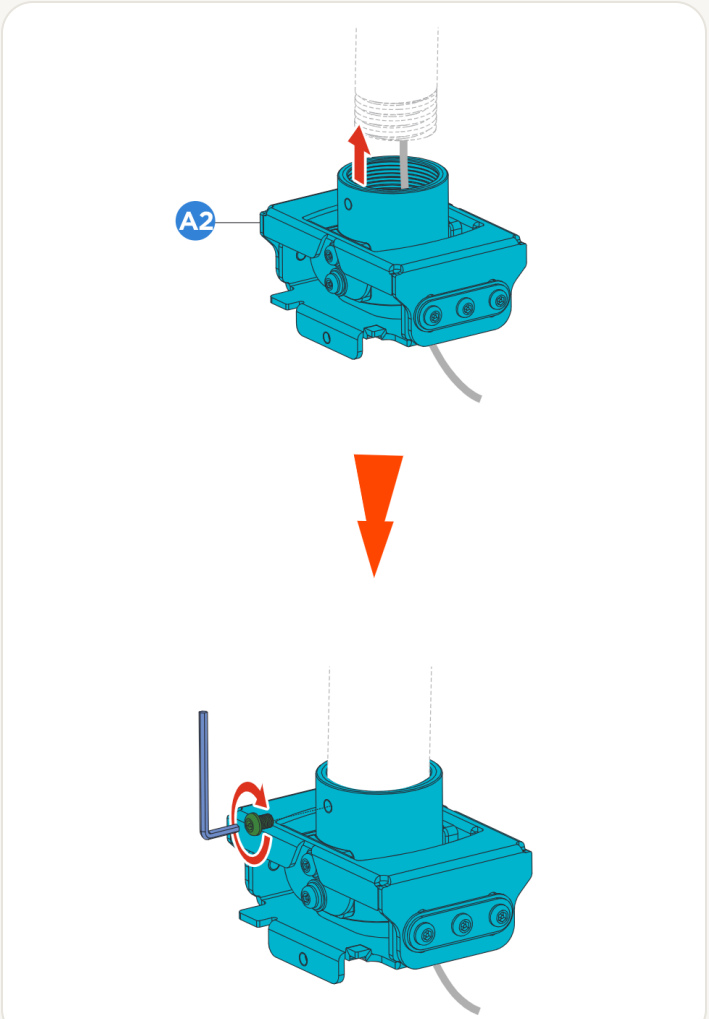
4 Take the bracket apart



01 Remove screw A1 with the 4 mm Allen key (C).

02 Lift the adapter bracket (A2) off the projector bracket (A3).

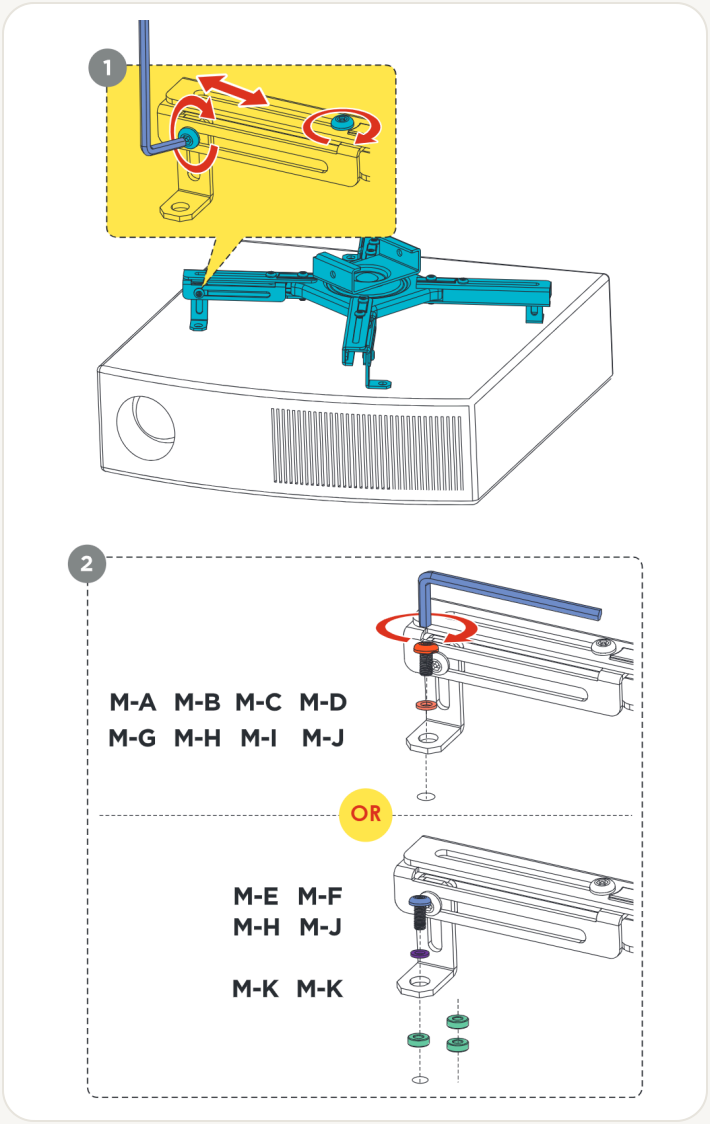
5 Attach the adapter bracket to the pipe



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.

6 Attach the bracket to the projector



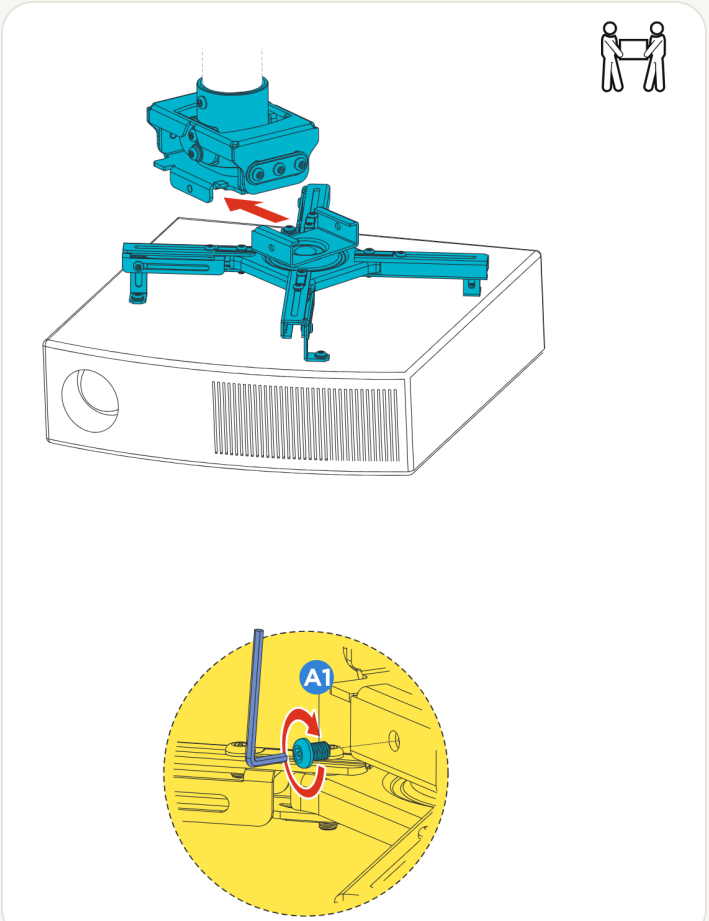
01 Loosen the arm screws. Slide and turn the arms until the feet line up with the projector's mounting holes, then retighten.

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).

7 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

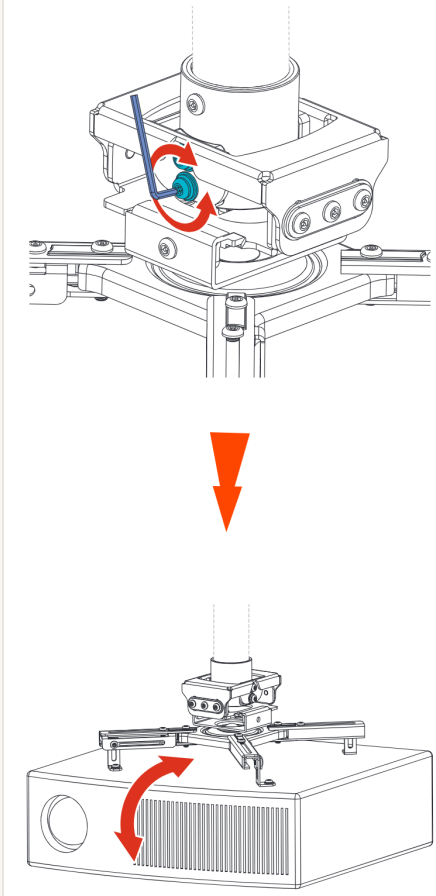
Adjust the image

PART 3

QG-PRO-PM-50-B

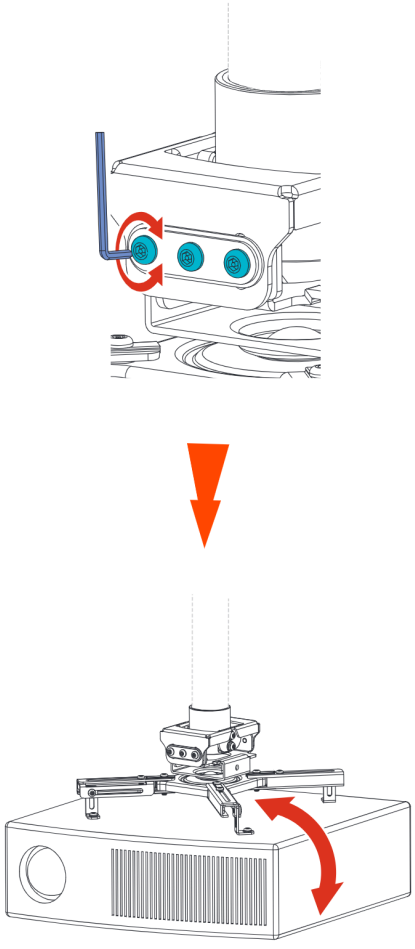
Loosen only as far as needed to move the projector, and support it while you adjust. Retighten each screw when the image is set.

8a Pitch



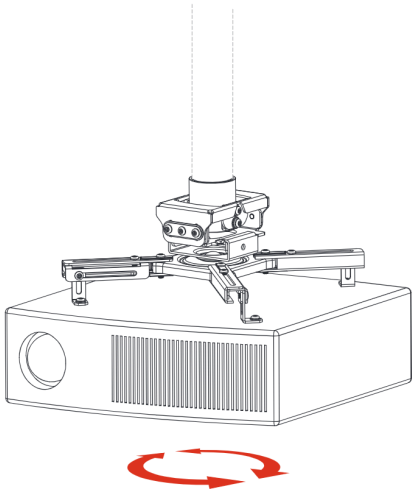
Loosen the pivot screw on the side, tilt the projector up or down, then retighten.

8b Roll



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

8c Swivel

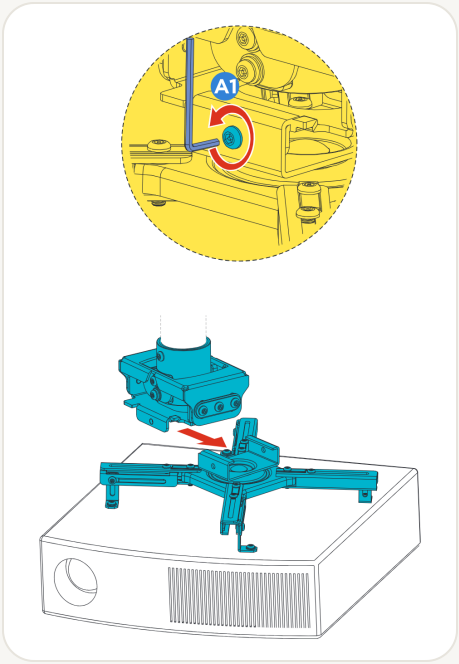


Turn the projector left or right to square the image to the screen.

Maintenance and removal

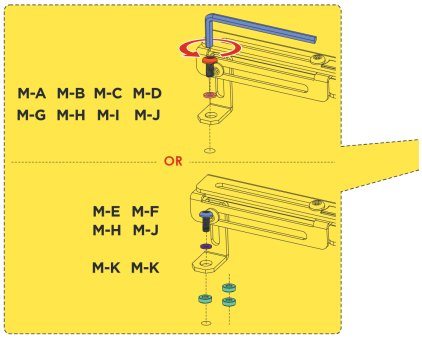
Maintenance. Check regularly that the ceiling adapter, pipe, and projector assembly are secure and safe to use. If you have questions, contact support@qualgear.com or your local distributor.

R1 Detach the projector



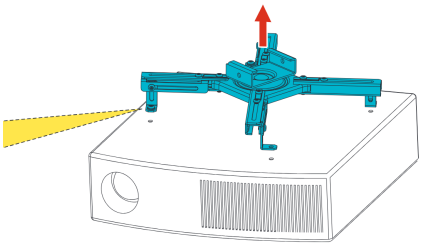
With an assistant supporting the projector, loosen screw A1 and slide the projector off the adapter bracket (A2).

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-VA-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-VA-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
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