

Suspended ceiling projector kit for drop ceilings and 1-1/2-in NPT pipe.

QG-KIT-S-3IN-W



IN THIS KIT

PART 1

Suspended ceiling adapter
QG-PRO-PM-SCA-W

PART 2

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

PART 3

Projector mount
QG-PRO-PM-50-W

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 hangs a projector from the structure above a suspended (drop) ceiling. The adapter rests above a standard 2 × 2 ft or 2 × 4 ft tile, the pipe drops through the tile, and the mount holds the projector.

PART	MODEL	DESCRIPTION	RATED LOAD	WARRANTY
1	QG-PRO-PM-SCA-W	Suspended ceiling adapter	60 lb / 27.2 kg	5 years
2	QG-PRO-PM-3IN-W	3 in, 1-1/2 in NPT threaded pipe	800 lb / 363 kg	5 years
3	QG-PRO-PM-50-W	Projector mounting bracket	50 lb / 22.7 kg	5 years
	QG-KIT-S-3IN-W	Complete kit	50 lb / 22.7 kg	See above

How the kit goes together

1	Hang the ceiling adapter STEPS 1–3	P. 06
2	Connect the pipe STEP 4	P. 09
3	Mount the projector STEPS 5–8	P. 10
4	Adjust the image STEP 9	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
- 1/4 in masonry bit
- Hammer (concrete)
- Level
- 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, screw (B) in stage 1 is not the same as screw (B) in stage 3.

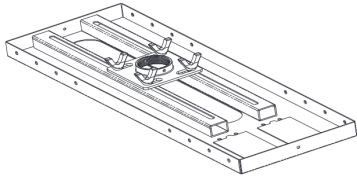
Parts checklist

⚠ 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

Suspended ceiling adapter

QG-PRO-PM-SCA-W



Ceiling tray
A · ×1



8 m
suspension wire
B · ×1



M6 × 50 mm
concrete anchors
C · ×4



Allen key
I · ×1



M6 × 100 mm
eye bolts
D · ×4



M6 × 145 mm
turnbuckles
E · ×4



M5 × 5 mm
security screws
F · ×2



M5 × 5 mm screws
G · ×2

PART 2

3 in NPT pipe

QG-PRO-PM-3IN-W

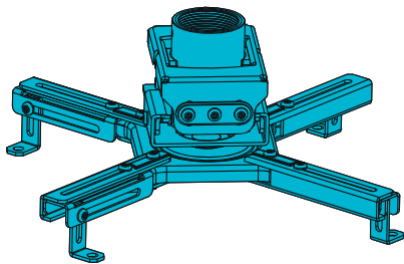


Pipe, 1-1/2 in NPT, 3 in long
A · ×1

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

PART 3 Projector mount

QG-PRO-PM-50-W



Projector bracket
A · ×1



M6 × 8 mm screw
B · ×1



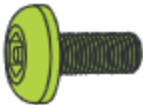
4 mm Allen key
C · ×1

Projector hardware package

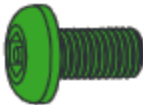
USE ONLY WHAT FITS YOUR PROJECTOR



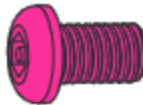
M3 × 8 mm screws
M - A · ×4



M4 × 10 mm screws
M - B · ×4



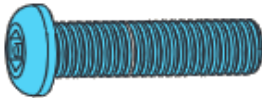
M5 × 10 mm screws
M - C · ×4



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

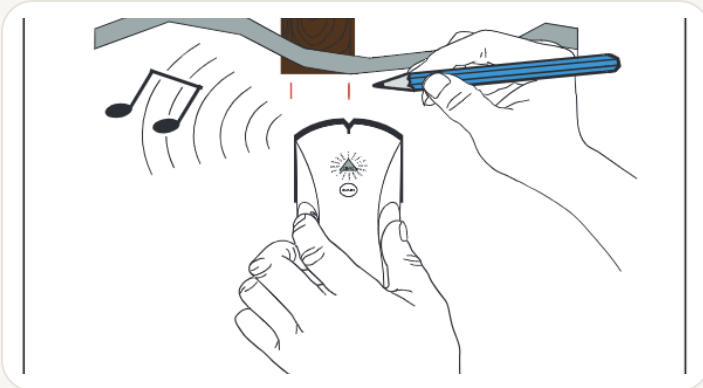
PART 1

Hang the ceiling adapter

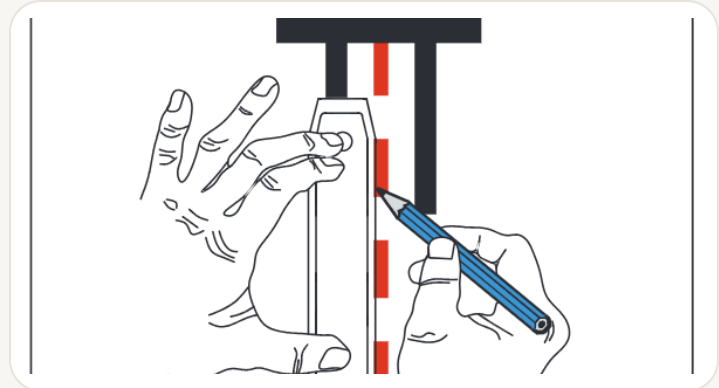
QG-PRO-PM-SCA-W

Choose the method that matches the structure above your ceiling: wood joist (1a), concrete (1b), or truss (1c).

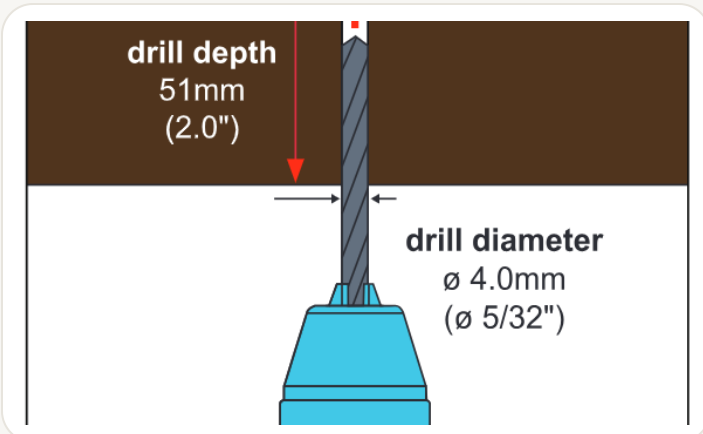
1a Mount to a wood joist or stud ceiling



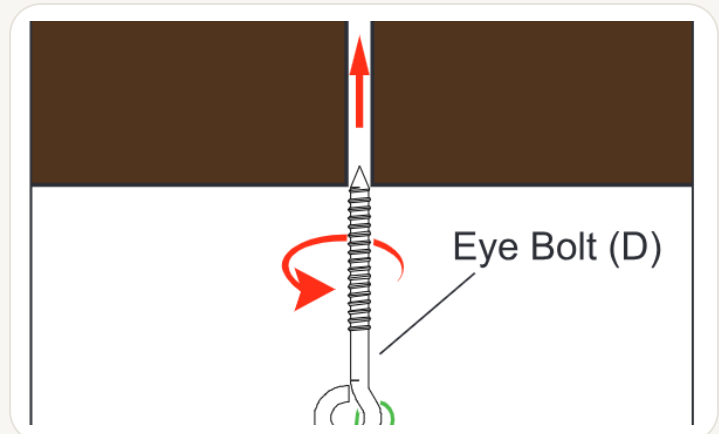
Find both edges of the joist with an edge-to-edge stud finder.



Mark the joist centerline with a straight edge, then mark where each eye bolt will go.



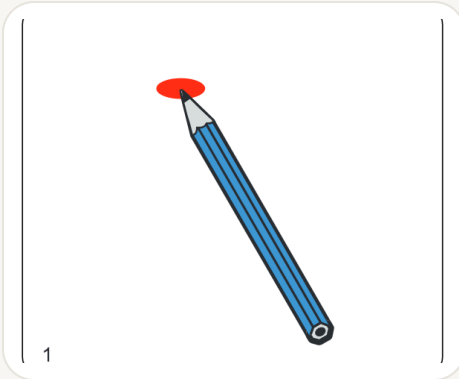
Drill a 5/32 in (4.0 mm) hole, 2.0 in (51 mm) deep, at each mark.



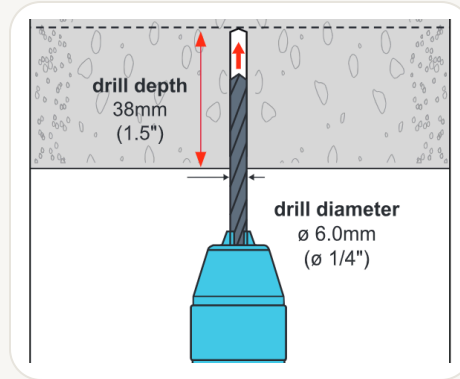
Screw an eye bolt (D) into each hole. Loop the wire (B) through the eye and twist it around itself several times.

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

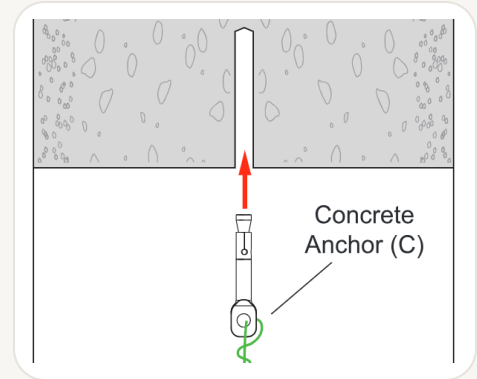
[GO TO STEP 2 →](#)

1b Mount to a concrete ceiling

Mark where you want to hang the adapter.



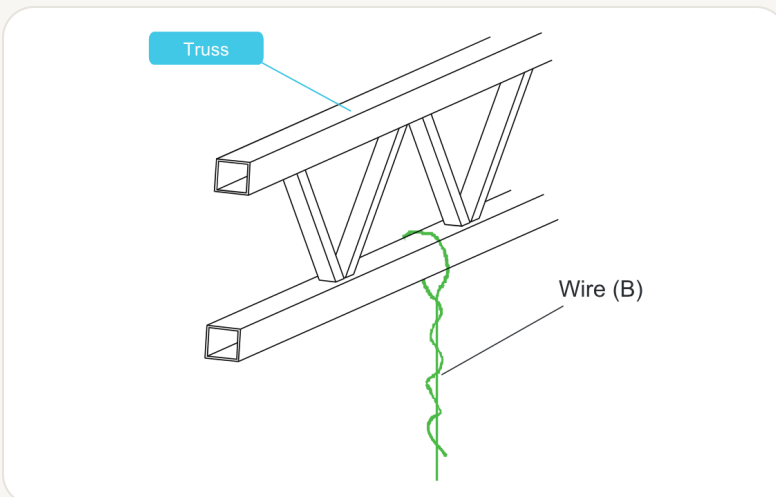
Drill four 1/4 in (6.0 mm) holes, 1.5 in (38 mm) deep, with a masonry bit.



Hammer a concrete anchor (C) into each hole. Loop the wire (B) through each anchor and twist it around itself several times.

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

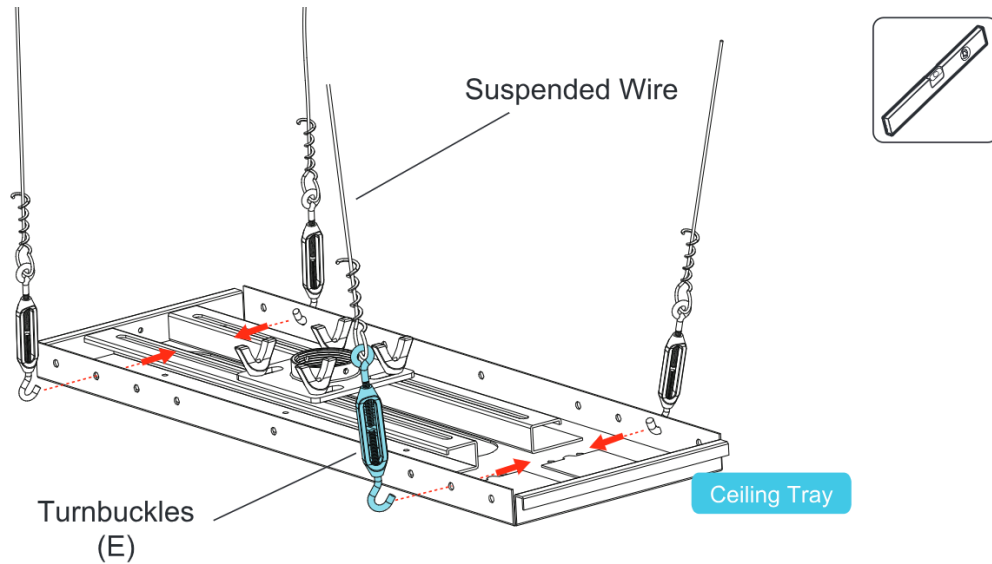
[GO TO STEP 2 →](#)

1c Mount to a truss

Loop the wire (B) around the truss and twist it around itself several times.

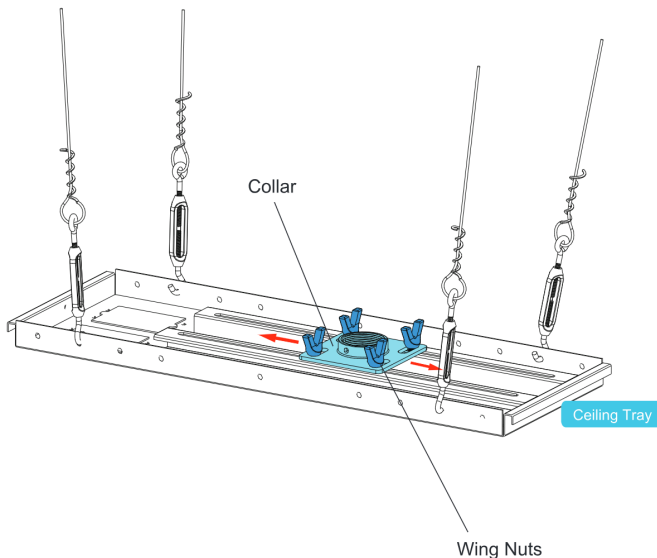
⚠ Warning. Installers are responsible for providing hardware for any mounting situation not shown here.

2 Hang the ceiling tray



- 01 Attach the end of each suspension wire to a turnbuckle (E).
- 02 Hook the turnbuckles into the corners of the ceiling tray (A).
- 03 Adjust the turnbuckles until the tray is level and sits just above the ceiling tile.

3 Position the collar



- 01 Loosen the wing nuts.
- 02 Slide the collar along the tray to where you want the pipe to drop.
- 03 Tighten the wing nuts to lock the collar.

Note. The collar slides up to 17.24 in / 438 mm.
Set it before you attach the pipe.

STAGE 2

PART 2

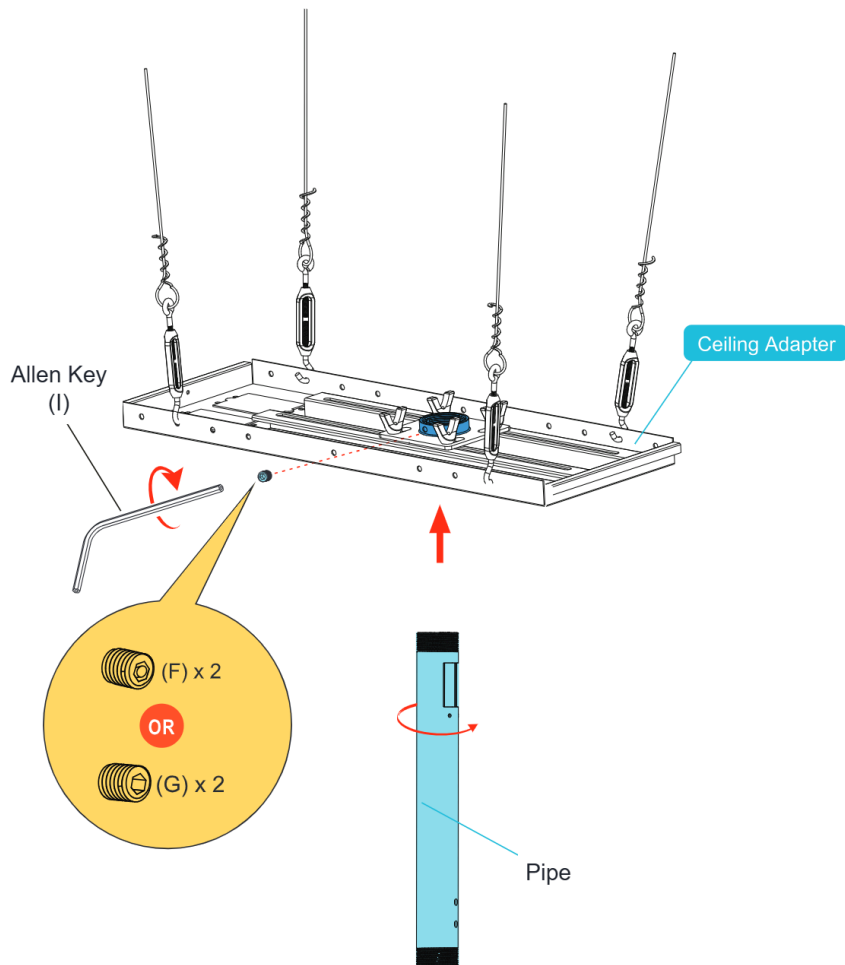
Connect the pipe

QG-PRO-PM-3IN-W

4 Attach the pipe to the ceiling adapter

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

- 01 Cut an opening in the ceiling tile below the collar for the pipe.
- 02 Thread the top of the pipe (A) into the collar of the ceiling adapter until it is snug.
- 03 Lock the pipe with two screws from Part 1 — security screws (F) or standard screws (G).
- 04 Tighten the screws with the Allen key (I).



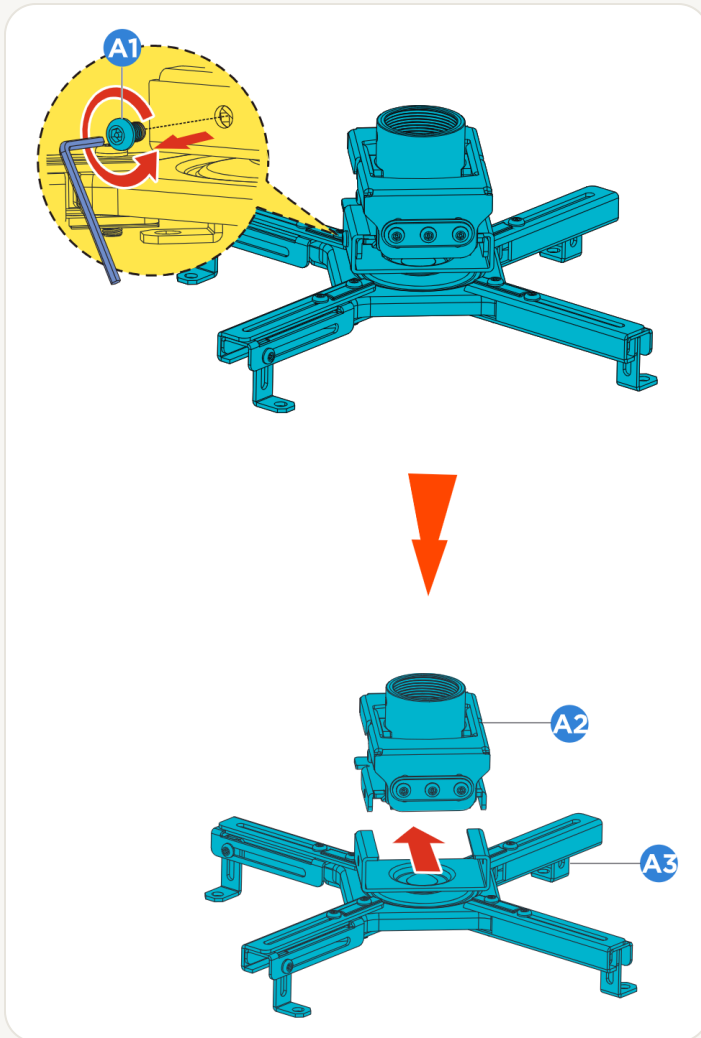
STAGE 3

Mount the projector

PART 3

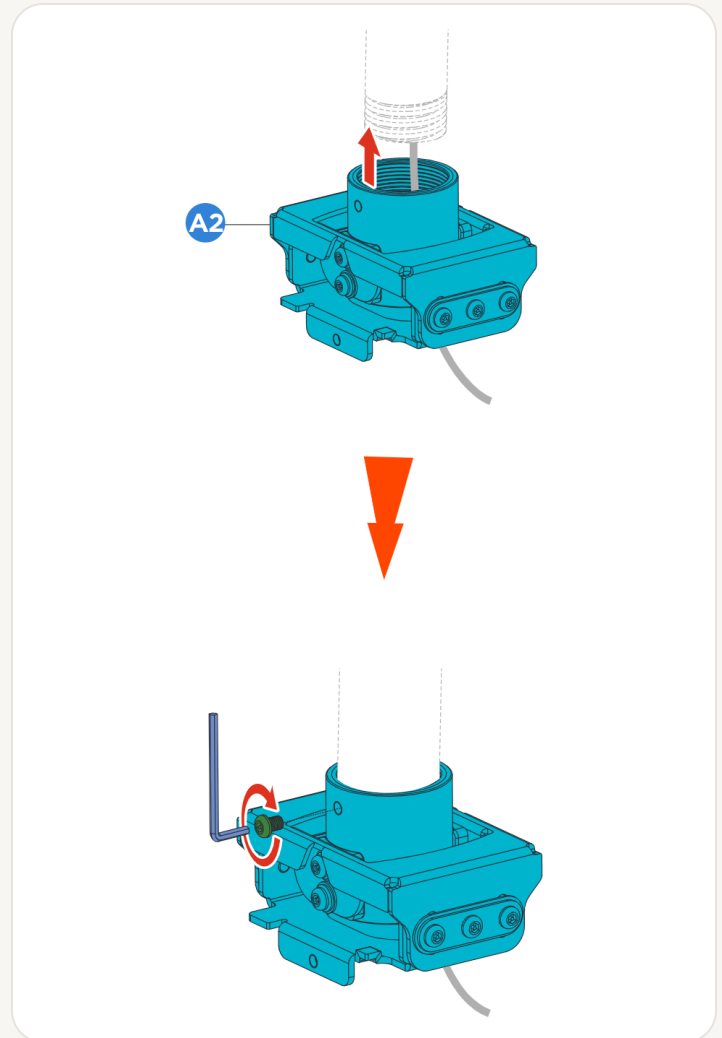
QG-PRO-PM-50-W

5 Take the bracket apart



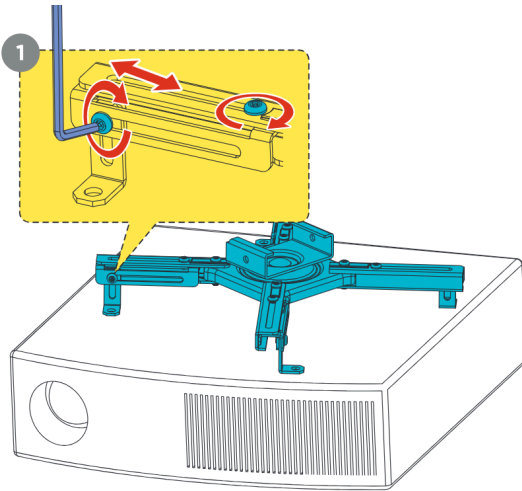
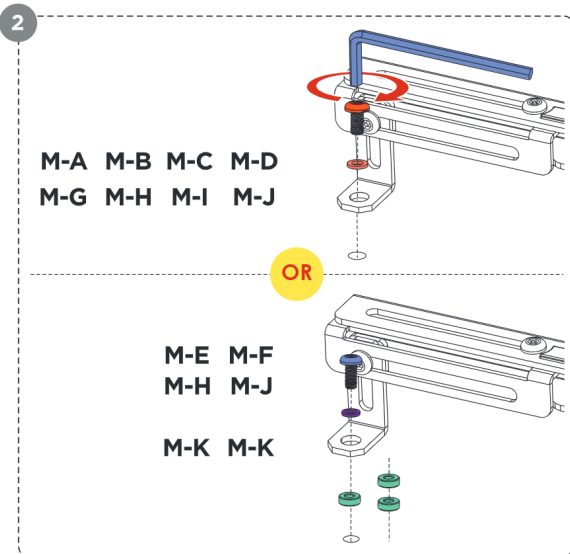
- 01 Remove screw A1 with the 4 mm Allen key (C).
- 02 Lift the adapter bracket (A2) off the projector bracket (A3).

6 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.

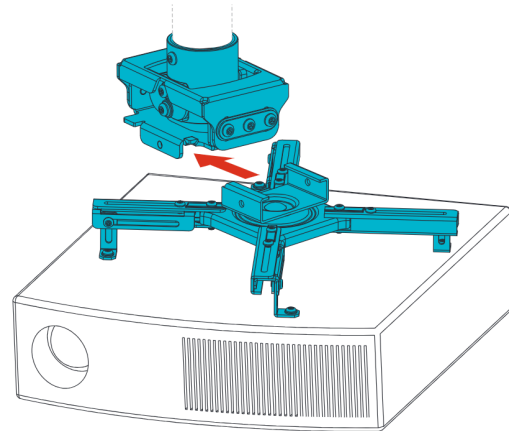
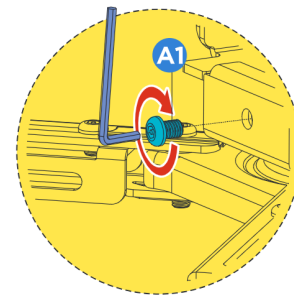
7 Attach the bracket to the projector



- 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).

8 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).

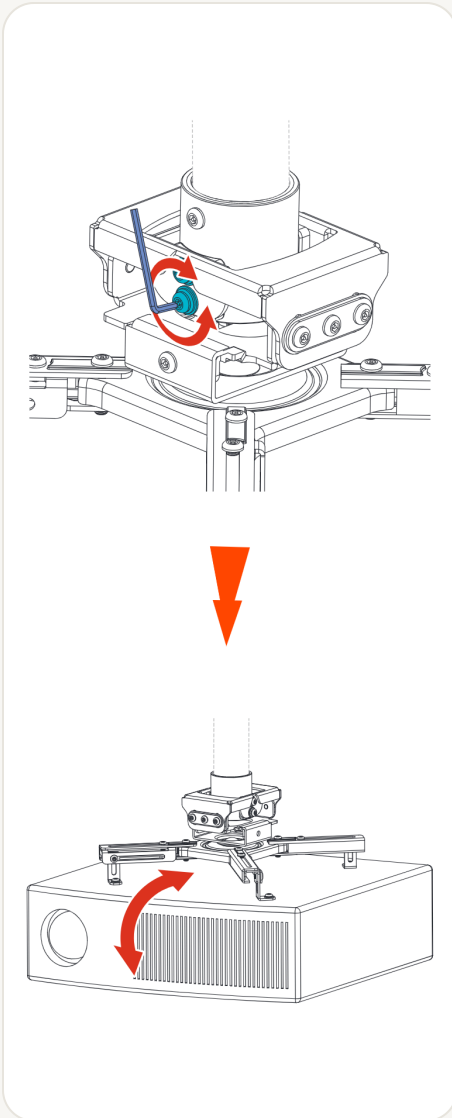
STAGE 4

PART 3

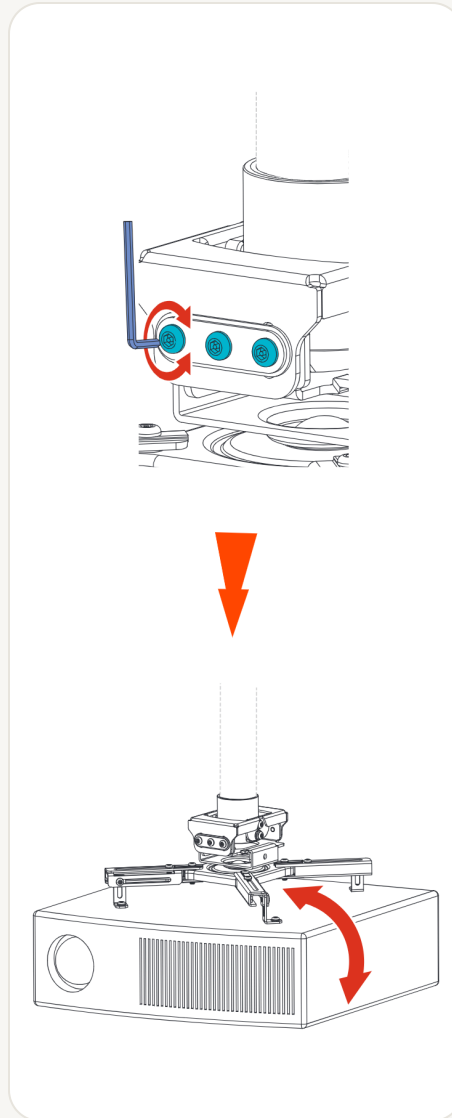
Adjust the image

QG-PRO-PM-50-W

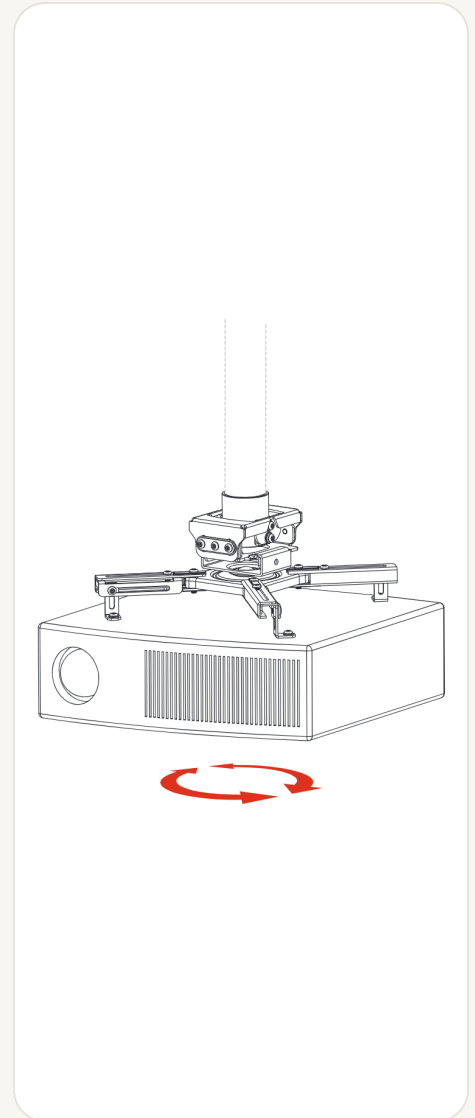
Loosen only as far as needed to move the projector, and support it while you adjust. Retighten each screw when the image is set.

9a Pitch

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

9b Roll

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

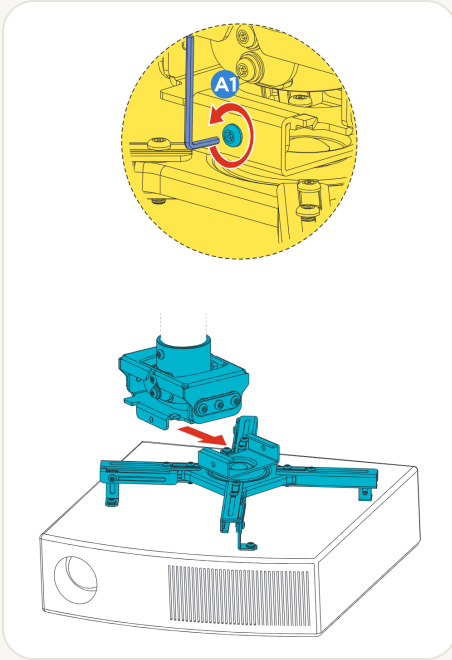
9c Swivel

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

Maintenance and removal

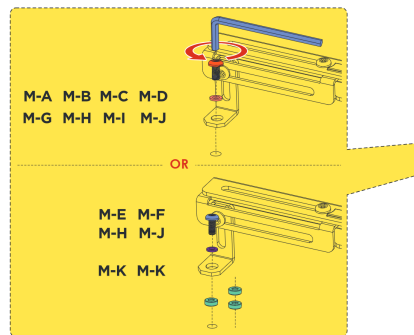
Maintenance. Check regularly that the ceiling adapter, pipe, and projector assembly are secure and safe to use. If you have questions, contact support@qualgear.com or your local distributor.

R1 Detach the projector



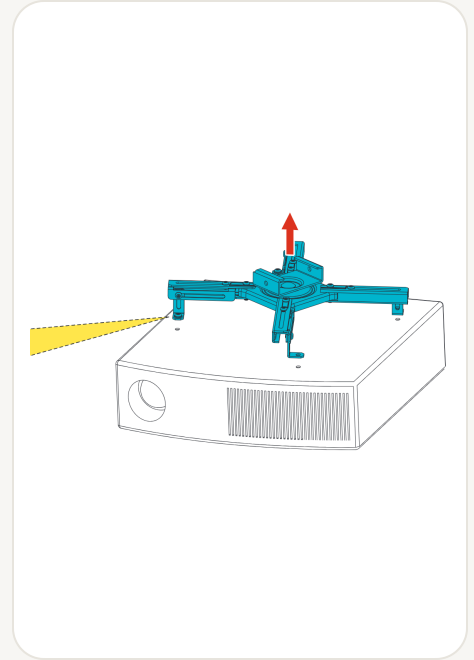
With an assistant supporting the projector, loosen screw A1 and slide the projector off the adapter bracket (A2).

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-S-3IN-W**
- 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-S-3IN-W –
[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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