

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

QG-KIT-S2-3IN-W



## IN THIS KIT

### PART 1

**Suspended ceiling adapter**  
QG-PRO-PM-SCA2-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’s 2 × 2 ft ceiling plate replaces one ceiling tile in a 2 × 2 ft or 2 × 4 ft grid, the pipe threads into the plate’s collar from below, and the mount holds the projector.

| PART | MODEL            | DESCRIPTION                         | RATED LOAD      | WARRANTY  |
|------|------------------|-------------------------------------|-----------------|-----------|
| 1    | QG-PRO-PM-SCA2-W | Suspended ceiling adapter, 2 × 2 ft | 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-S2-3IN-W  | Complete kit                        | 50 lb / 22.7 kg | See above |

## How the kit goes together

|   |                                        |       |
|---|----------------------------------------|-------|
| 1 | Hang the ceiling adapter<br>STEPS 1–2  | P. 06 |
| 2 | Connect the pipe<br>STEP 3             | P. 09 |
| 3 | Mount the projector<br>STEPS 4–7       | P. 10 |
| 4 | Adjust the image<br>STEP 8             | P. 12 |
| – | Maintenance and removal<br>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, (A) is the ceiling plate in stage 1 but the projector bracket in stage 3.

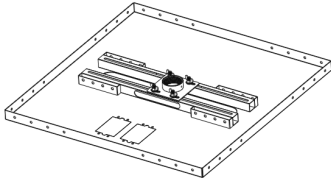
# Parts checklist

**⚠ Important.** Before you start, check that every part below is included. If anything is missing or damaged, contact [support@qualgear.com](mailto: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-SCA2-W



Ceiling plate  
A • ×1



M6 × 50 mm  
concrete anchors  
C • ×4



8 m  
suspension wire  
J • ×1



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

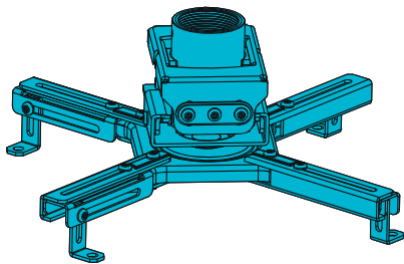


Pipe, 1-1/2 in NPT, 3 in long  
A • ×1

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



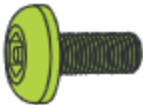
4 mm Allen key  
C · ×1

Projector hardware package

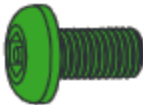
USE ONLY WHAT FITS YOUR PROJECTOR



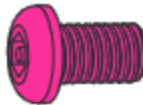
M3 × 8 mm screws  
M - A · ×4



M4 × 10 mm screws  
M - B · ×4



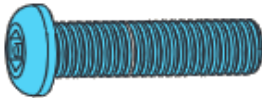
M5 × 10 mm screws  
M - C · ×4



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

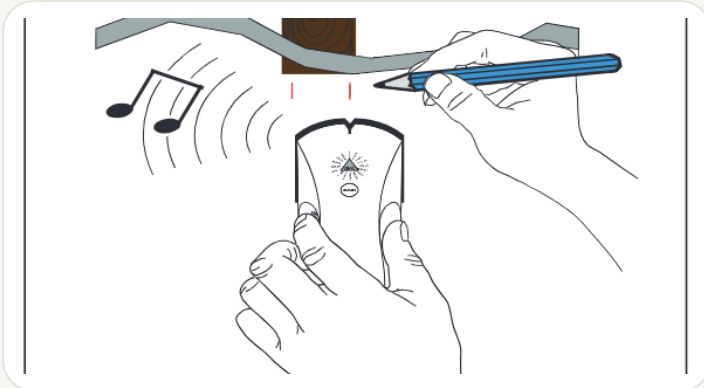
## PART 1

# Hang the ceiling adapter

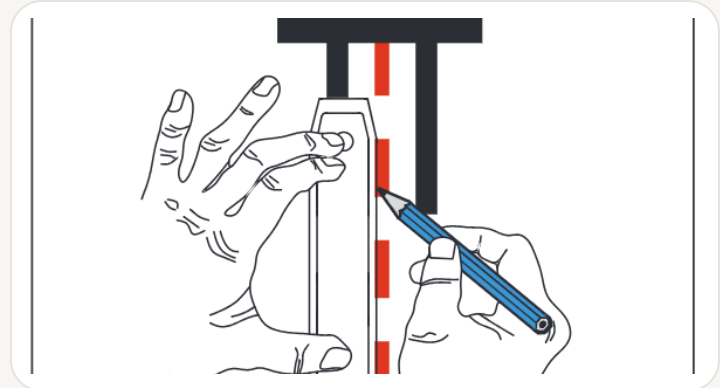
QG-PRO-PM-SCA2-W

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

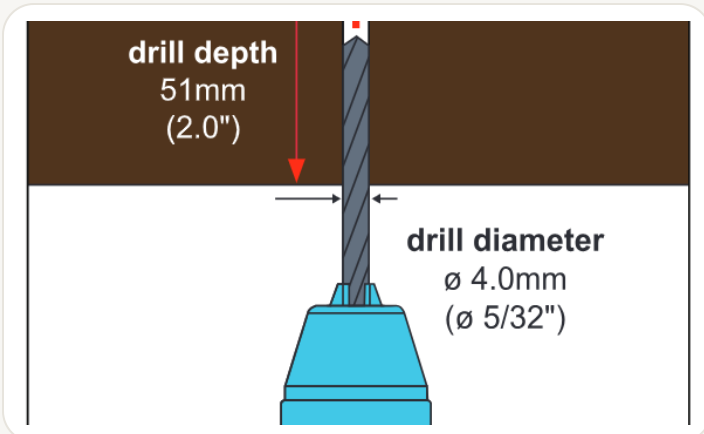
## 1a Mount to a wood joist or stud ceiling



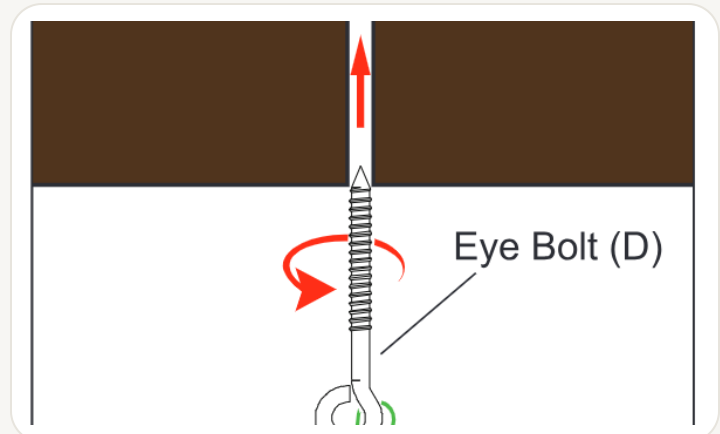
Find both edges of the joist with an edge-to-edge stud finder.



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



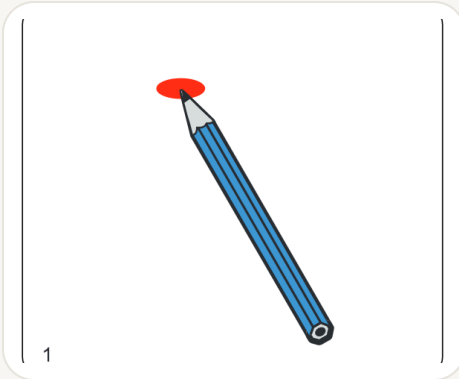
Drill a 5/32 in (4.0 mm) hole, 2.0 in (51 mm) deep, at each mark.



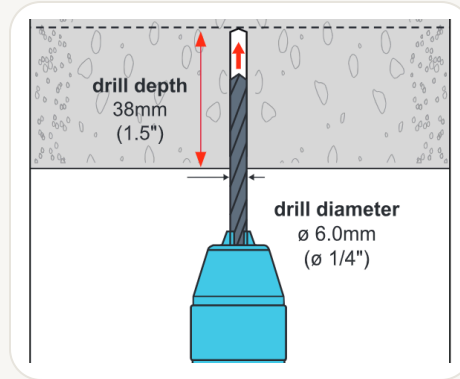
Screw an eye bolt (D) into each hole. Loop the wire (J) through the eye and twist it around itself several times.

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

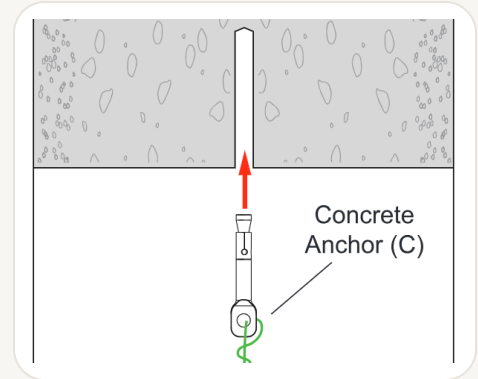
[GO TO STEP 2 →](#)

**1b Mount to a concrete ceiling**

Mark where you want to hang the adapter.



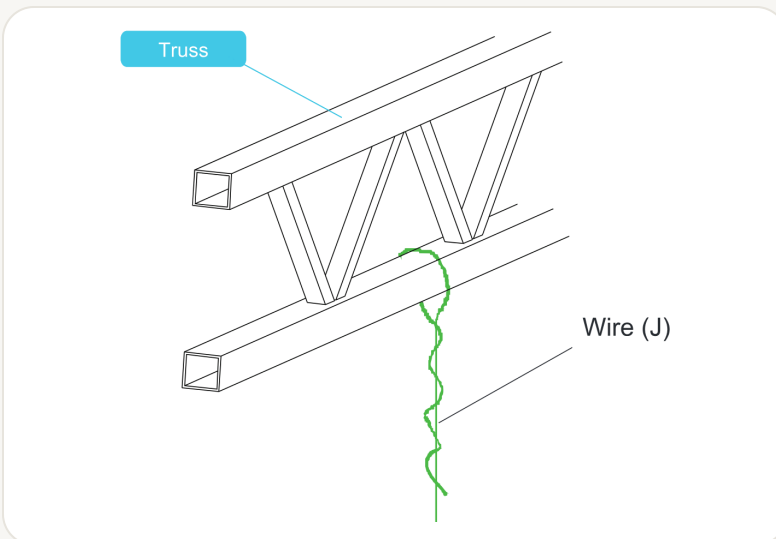
Drill four 1/4 in (6.0 mm) holes, 1.5 in (38 mm) deep, with a masonry bit.



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

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

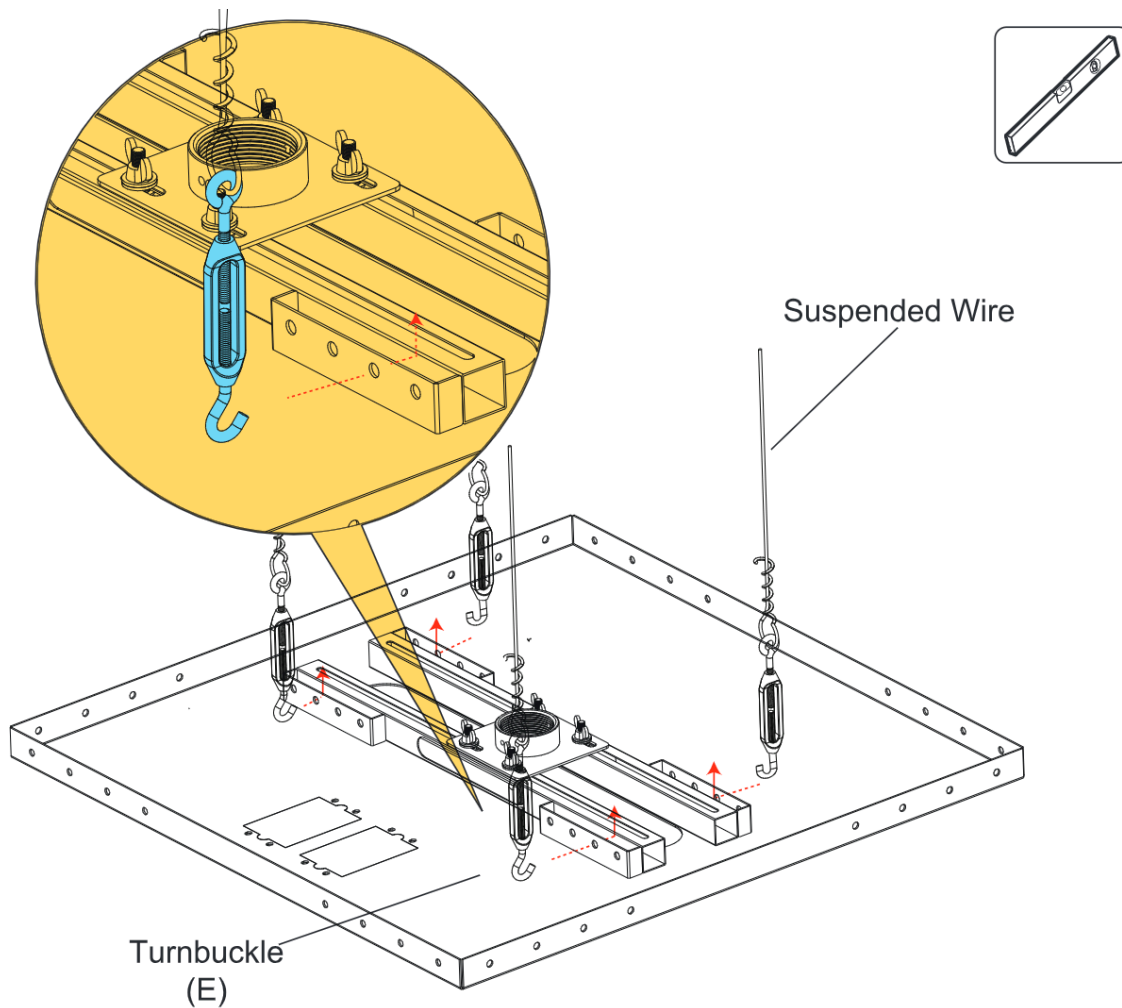
[GO TO STEP 2 →](#)

**1c Mount to a truss**

Loop the wire (J) 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 plate



- 01 Attach the end of each suspension wire to a turnbuckle (E).
- 02 Hook each turnbuckle into a mounting hole on the rails of the ceiling plate (A), as shown in the detail.
- 03 Adjust the turnbuckles until the plate is level and sits in the grid in place of a ceiling tile.

**Electrical boxes.** The ceiling plate has knockouts for mounting electrical boxes. To power the projector at the mount, remove a knockout and fasten the box to the plate before you hang it. Electrical work must follow local codes.

**⚠ Warning.** Installers are responsible for providing hardware for any mounting situation not shown here, and must verify that the structure will safely hold the combined weight of the equipment and all attached hardware.

**Grid size.** The plate takes the place of one 2 × 2 ft ceiling tile. In a 2 × 4 ft grid opening, it fills one half; a 2 × 2 ft ceiling tile (not included) fills the other half.

## STAGE 2

## PART 2

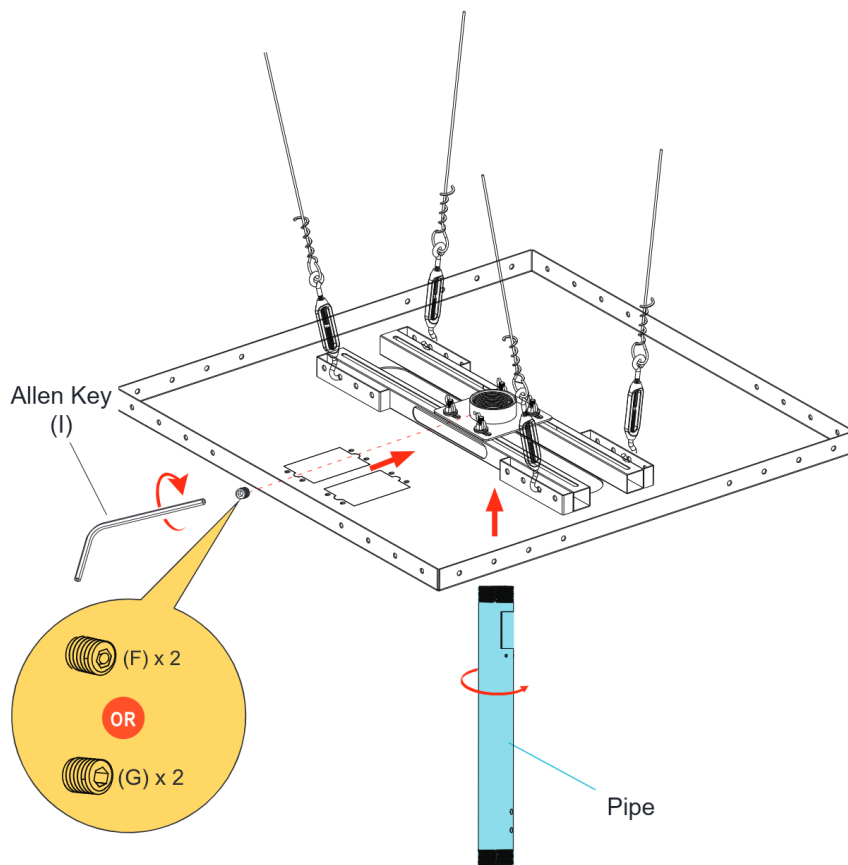
## Connect the pipe

QG-PRO-PM-3IN-W

## 3 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 Loosen the wing nuts, slide the collar along the ceiling plate to where you want the pipe to drop, and tighten the wing nuts. The collar slides up to 17.24 in / 438 mm.
- 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).



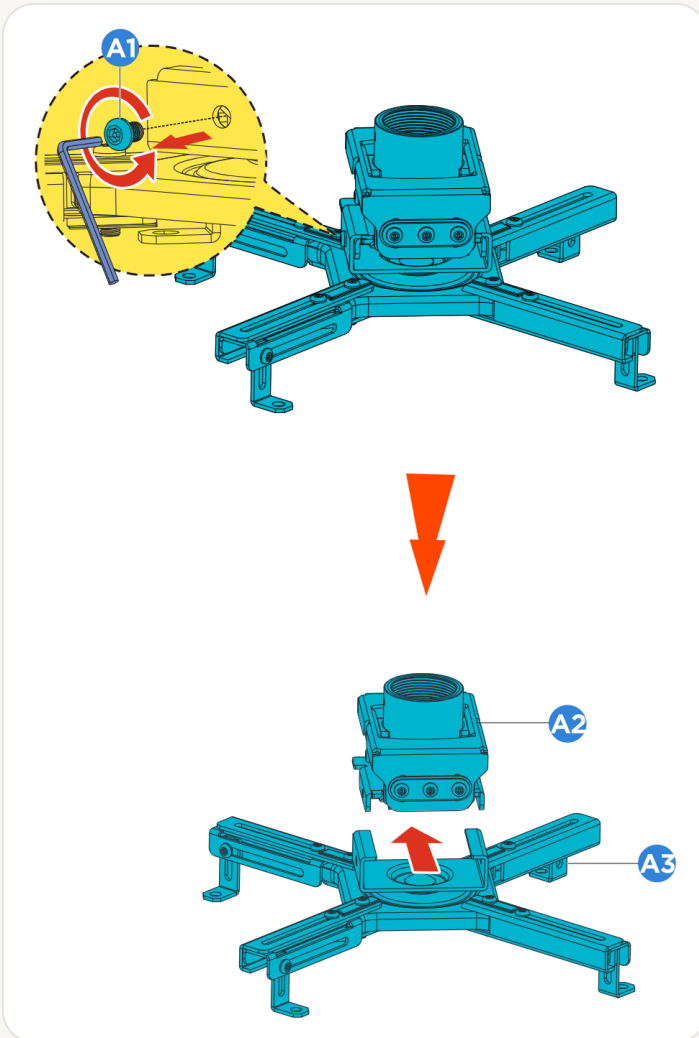
## STAGE 3

## Mount the projector

PART 3

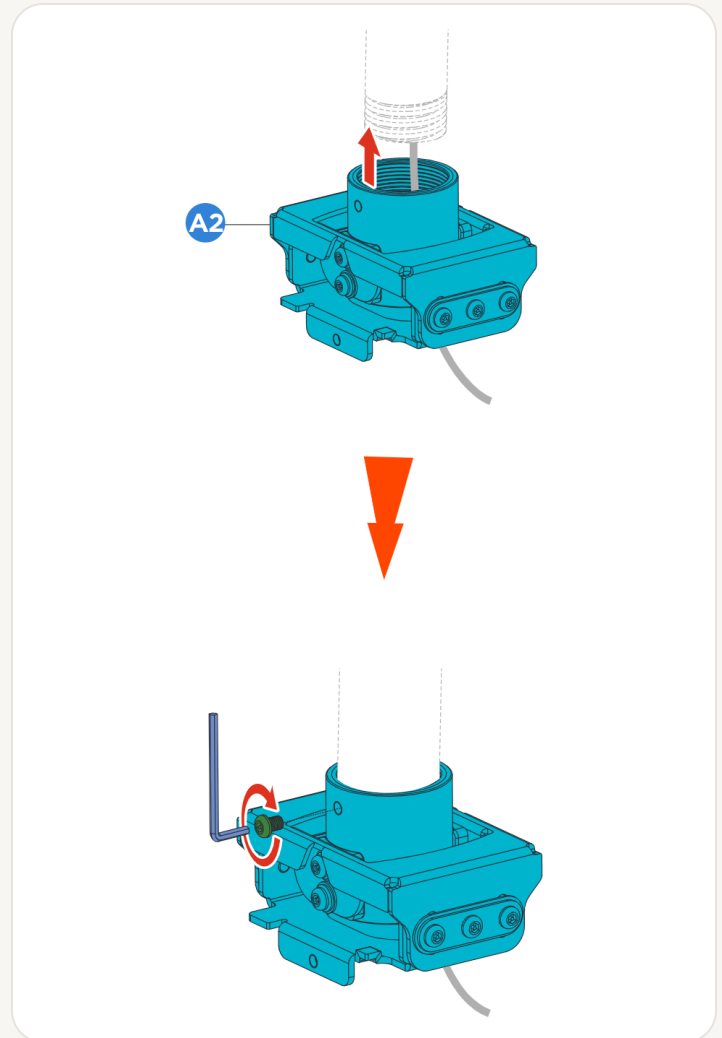
QG-PRO-PM-50-W

## 4 Take the bracket apart



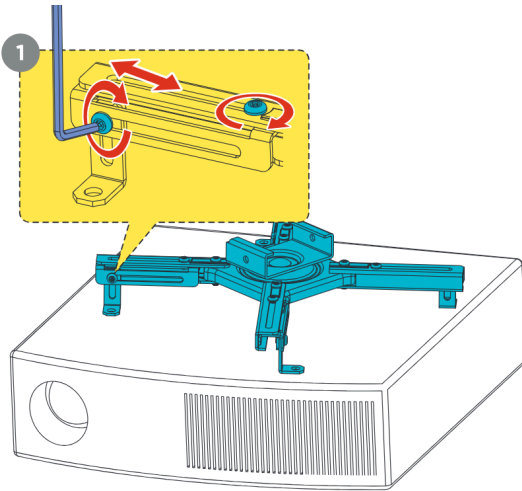
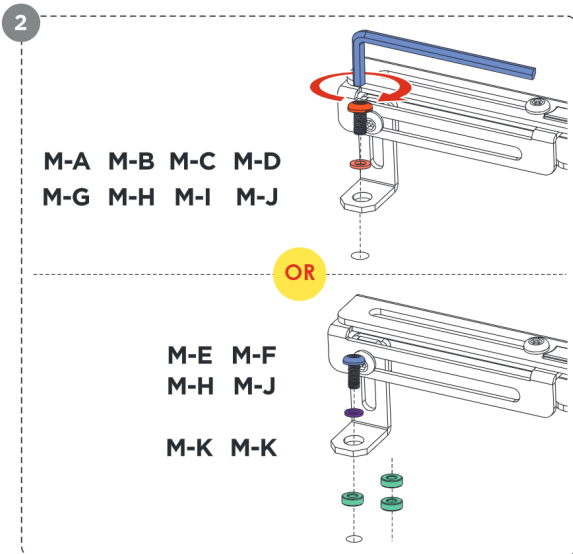
- 01 Remove screw A1 with the 4 mm Allen key (C).
- 02 Lift the adapter bracket (A2) off the projector bracket (A3).

## 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.

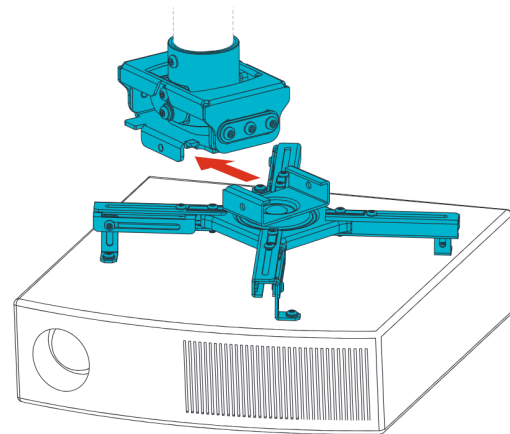
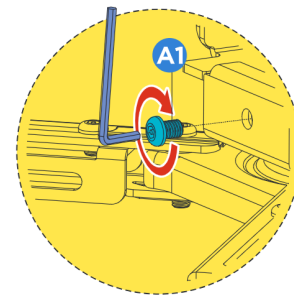
## 6 Attach the bracket to the projector



- 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).

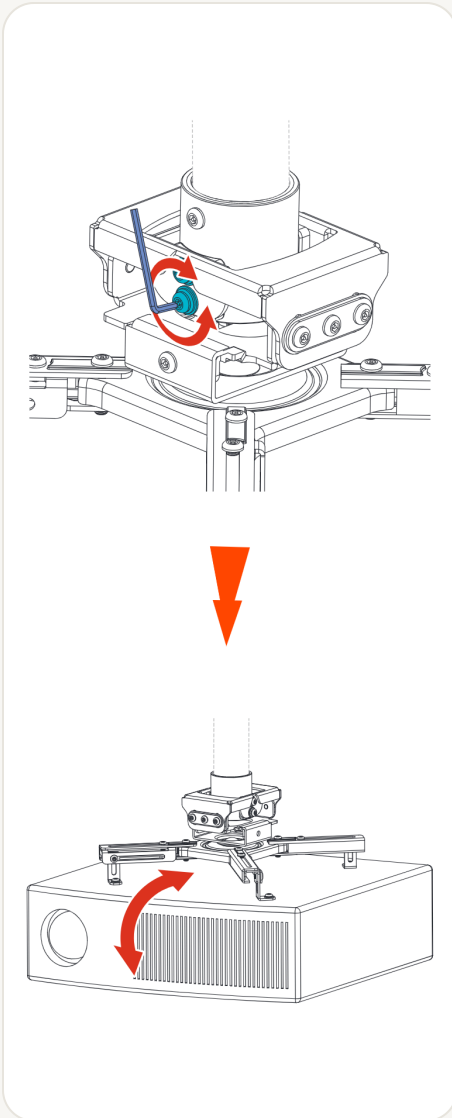
## STAGE 4

## PART 3

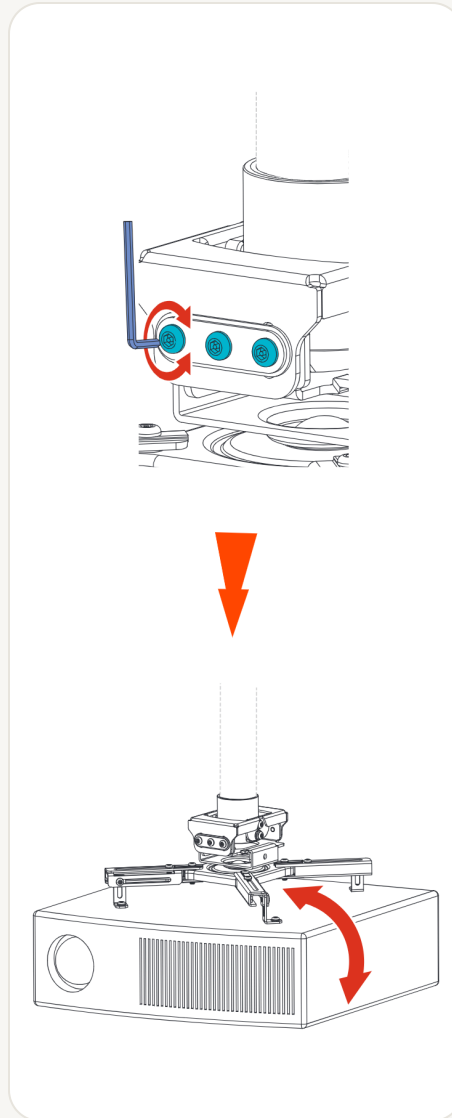
# Adjust the image

QG-PRO-PM-50-W

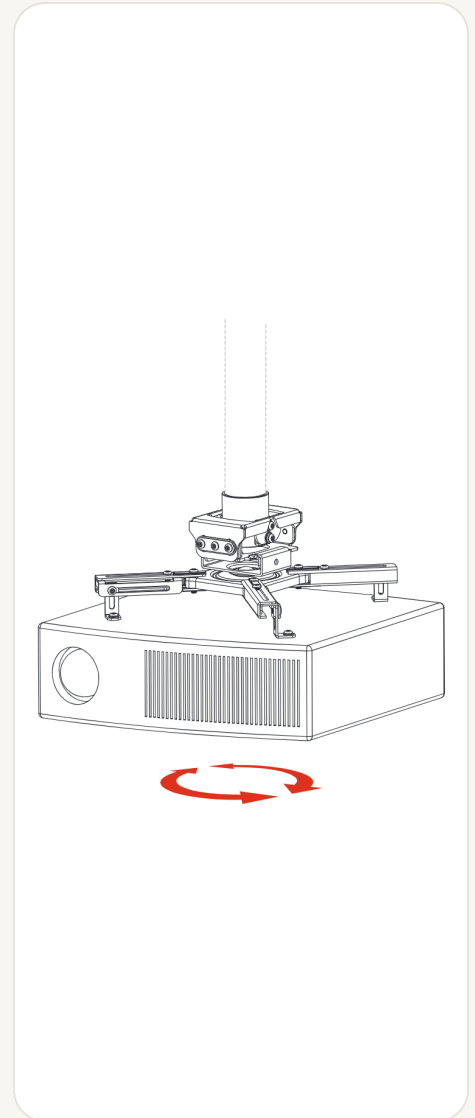
Loosen only as far as needed to move the projector, and support it while you adjust. Retighten each screw when the image is set.

**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.

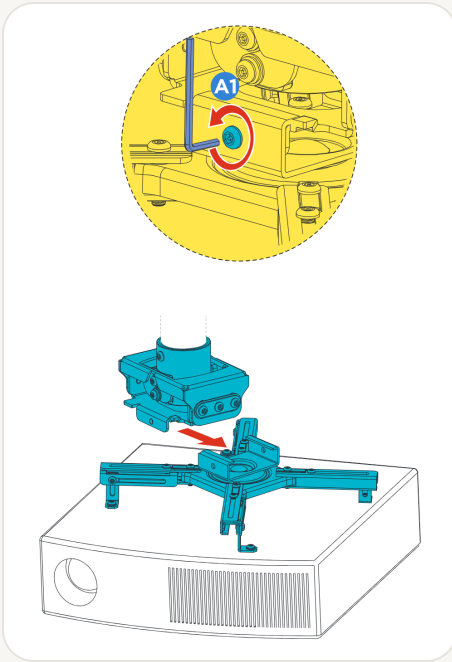
**8c Swivel**

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

# Maintenance and removal

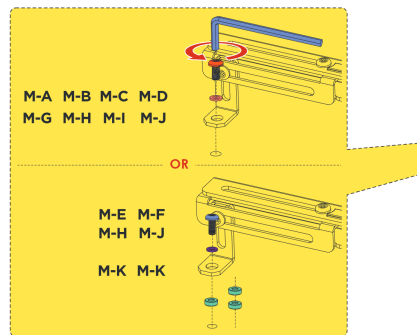
**Maintenance.** Check regularly that the ceiling adapter, pipe, and projector assembly are secure and safe to use. If you have questions, contact [support@qualgear.com](mailto:support@qualgear.com) or your local distributor.

## R1 Detach the projector



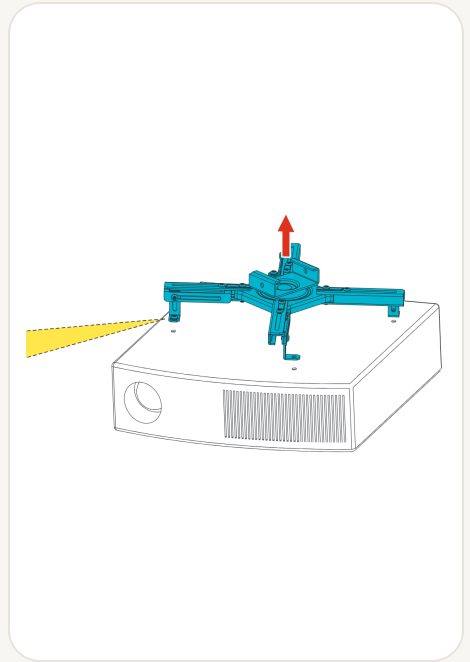
With an assistant supporting the projector, loosen screw A1 and slide the projector off the adapter bracket (A2).

## 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](https://qualgear.com/pages/support)

### Before you contact us, have ready

- 01 Your model number: **QG-KIT-S2-3IN-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-S2-3IN-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](https://qualgear.com/pages/warranty)

### Returns and RMAs

[qualgear.com/pages/qualgear-return-policy](https://qualgear.com/pages/qualgear-return-policy)

### FAQ

[qualgear.com/pages/faq](https://qualgear.com/pages/faq)

### Shipping

[qualgear.com/pages/shipping](https://qualgear.com/pages/shipping)

# QUALGEAR

QG-KIT-S2-3IN-W • VERSION OCTOBER 2026