QUALGEAR

PRO-AV

INSTALLATION MANUAL · CEILING ADAPTER

Single-joist ceiling adapter with cover for wood joists and concrete ceilings.

QG-PRO-PM-CA-W

Single-joist ceiling adapter with cover — WHITE

MAXIMUM RATED LOAD

120 lb / 54.4 kg

⚠ **Caution.** Do not exceed the maximum rated load. Overloading can cause serious injury or property damage.

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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, U.S. customers can email QualGear support at support@qualgear.com. International customers should contact their local distributor.
- 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. For warranty information, visit qualgear.com/pages/warranty.
- Never exceed the maximum rated load specified in this manual: 120 lb / 54.4 kg.
- Use all hardware at the designated points shown in these instructions to prevent property damage and personal injury.
- This product is designed to be compatible with all standard 1.5 in NPT pipes.

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

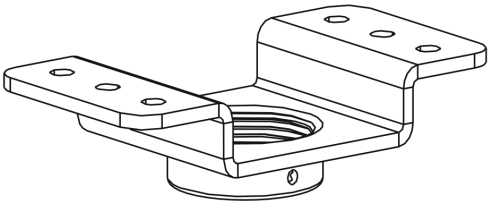
⚠ **Important.** Do not loosen screws all the way when making adjustments. The parts can disconnect and cause injury or property damage.

Parts checklist

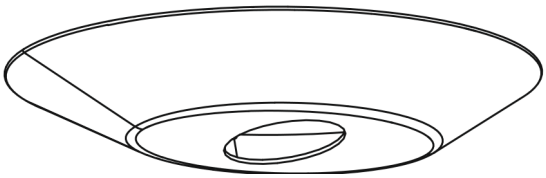
⚠ **Important.** Before you start, check that every part shown below is included. If any part is missing or damaged, contact your local distributor or support@qualgear.com for replacement parts. Do not start assembly and installation until you have all the parts.

Adapter and cover

ILLUSTRATIONS NOT TO SCALE

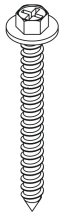


Adapter plate
A · ×1



Decorative cover
B · ×1

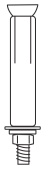
Hardware package



#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

Wall marking template
H · ×1

Which template holes to use. Wood joist installation: holes 3 and 4. Structural concrete installation: holes 1, 2, 5, and 6. The hole numbers are printed on the template (H).

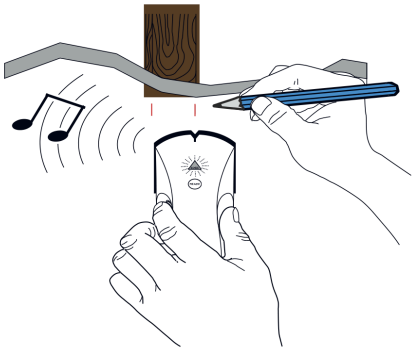
STEP 1 · MOUNT THE ADAPTER PLATE

Mount to a wood joist or stud

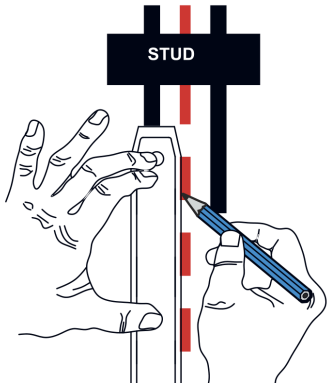
1a

Note. For a concrete ceiling, skip to step 1b on page 06.

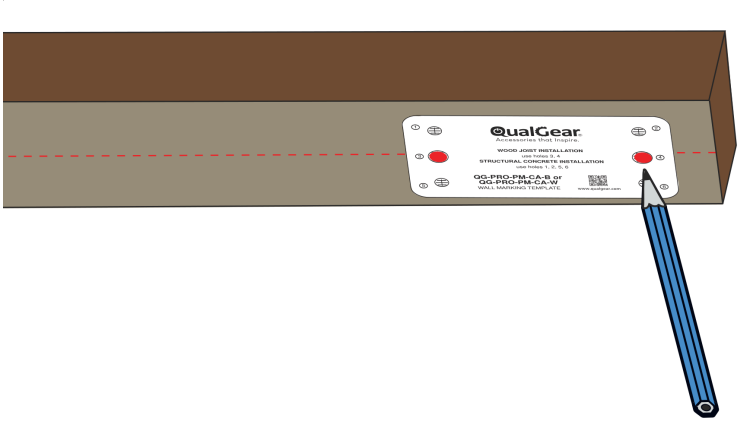
Edge-to-edge stud finder | Pencil | Straight edge | Power drill | 5/32 in wood drill bit | Socket wrench



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



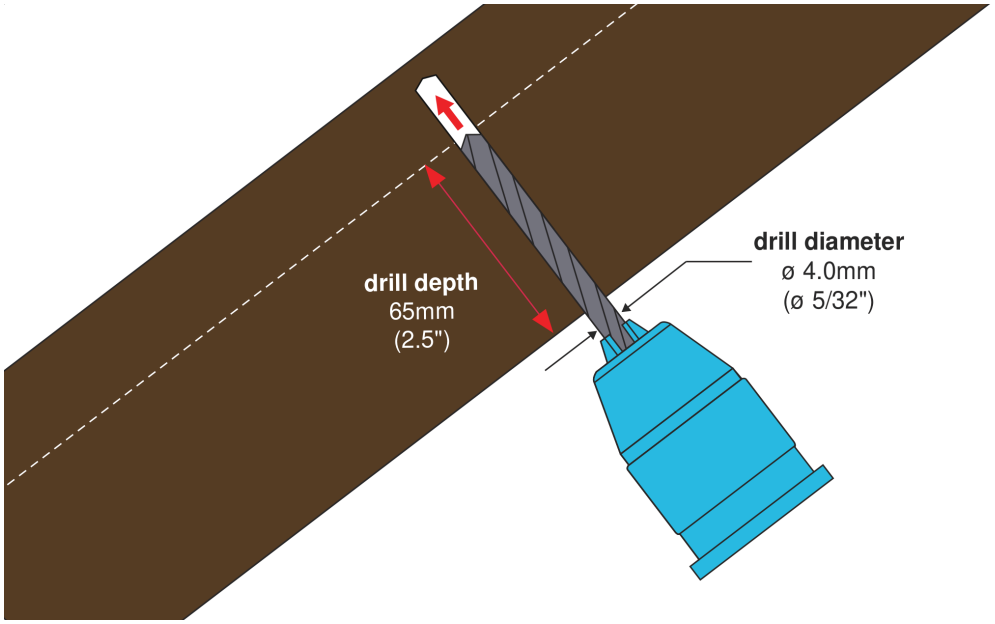
1a.2 Using a straight edge, mark the centerline of the stud.



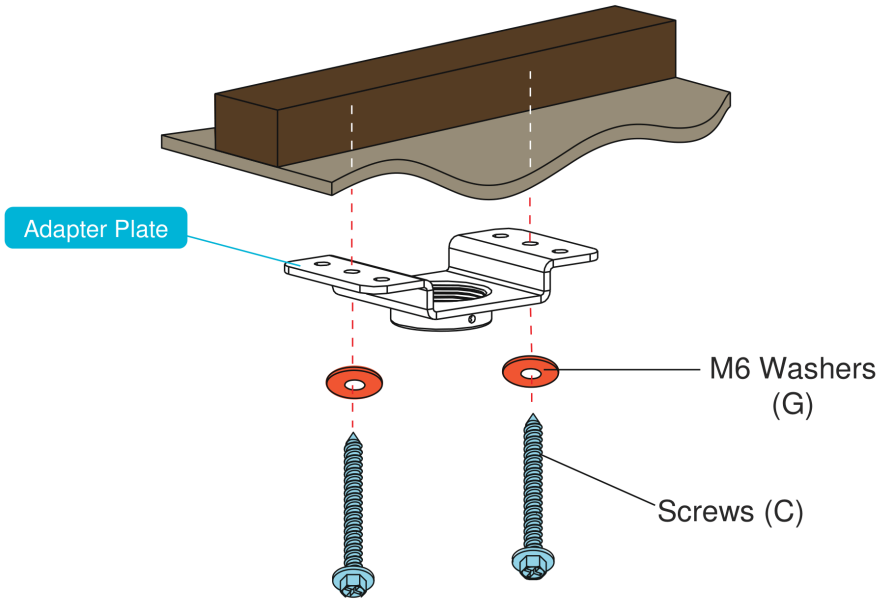
1a.3 Using the wall marking template (H), mark the mounting locations on the center of the stud. Use holes 3 and 4.

Tip. Mark the drill locations on the center of the stud for security.

1a Mount to a wood joist or stud (continued)



1a.4 Using a power drill and a 5/32 in wood drill bit, drill a hole 5/32 in (4 mm) in diameter and 2.5 in (65 mm) deep at each marked location.



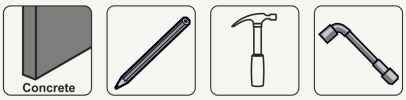
1a.5 Align the mounting holes on the adapter plate (A) with the drilled holes. Fasten the plate with the screws (C) and M6 washers (G), tightening them with a socket wrench.

WOOD INSTALLATION COMPLETE · GO TO STEP 2 ON PAGE 08

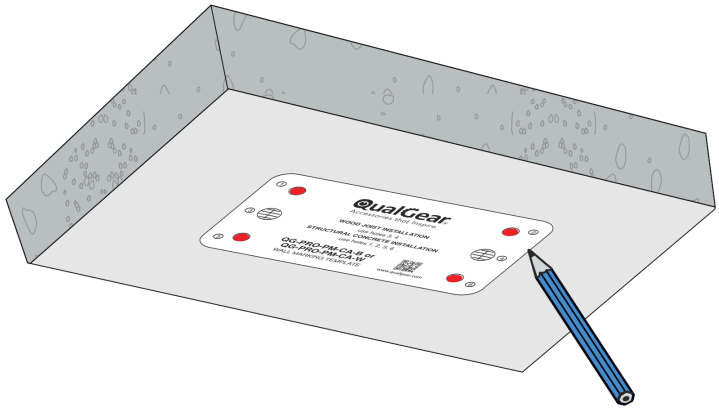
STEP 1 · MOUNT THE ADAPTER PLATE

Mount to a concrete ceiling

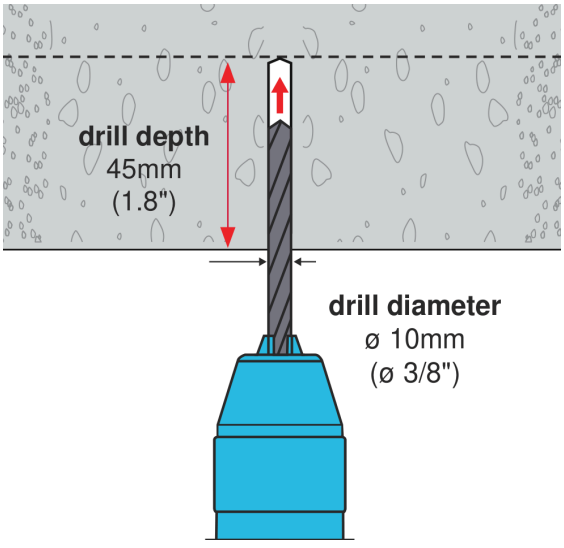
1b



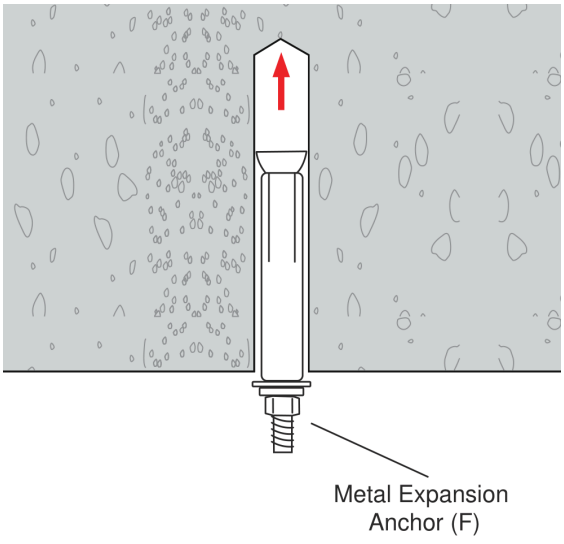
Pencil | Power drill | 3/8 in masonry drill bit | Hammer | Socket wrench



1b.1 Using the wall marking template (H), mark the mounting locations on the concrete. Use holes 1, 2, 5, and 6.



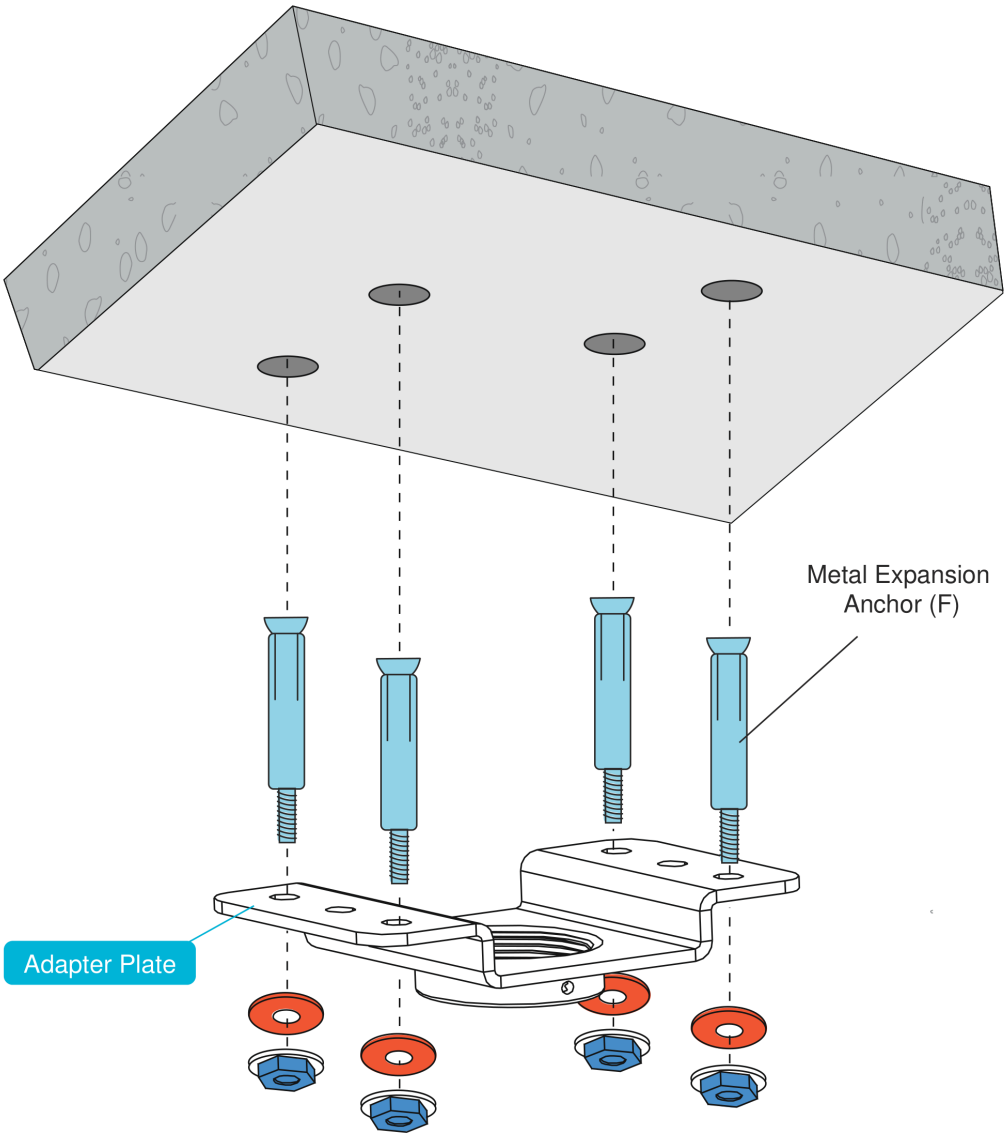
1b.2 Using a power drill and a 3/8 in masonry drill bit, drill four holes 3/8 in (10 mm) in diameter and 1.8 in (45 mm) deep at the marked locations.



1b.3 Insert and hammer a metal expansion anchor (F) into each hole. Then remove the washer and nut from each anchor with a socket wrench.

Tip. Make sure the drilled holes are free of dust so the anchors set properly.

1b Mount to a concrete ceiling (continued)



1b.4 Align the anchors (F) with the mounting holes on the adapter plate (A). Replace the washers and nuts on the ends of the anchors and tighten them with a socket wrench.

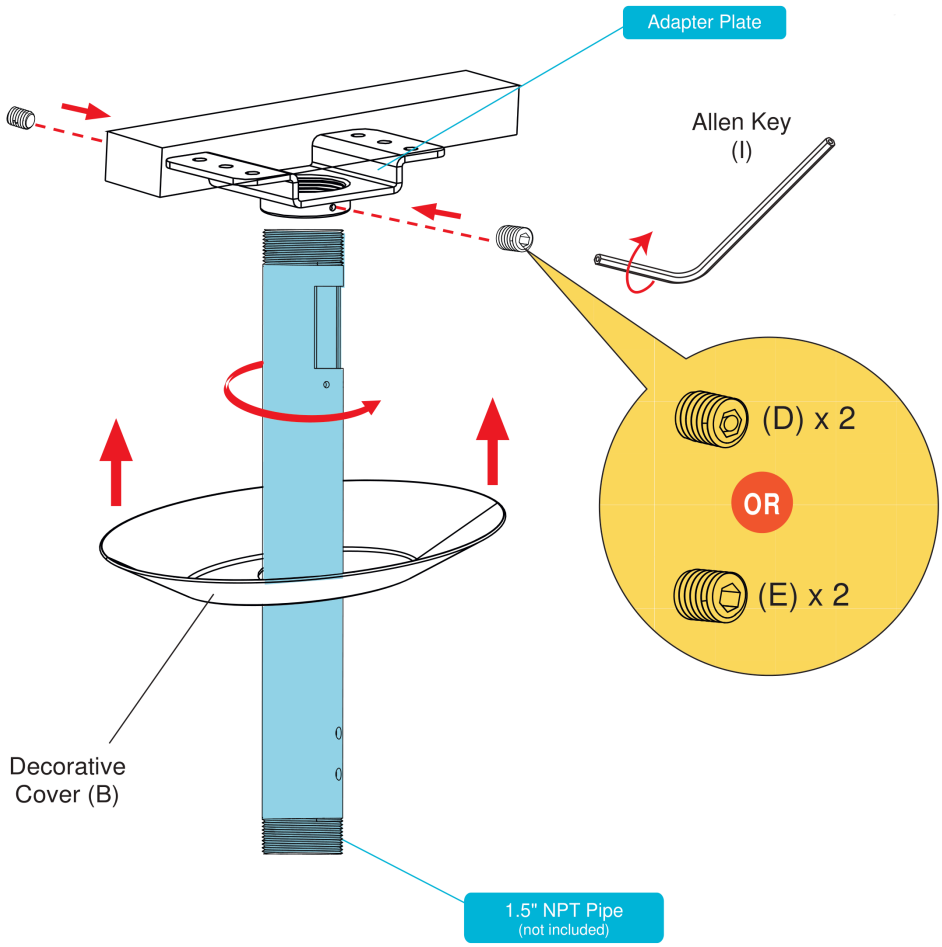
CONCRETE INSTALLATION COMPLETE · GO TO STEP 2 ON PAGE 08

STEP 2

Connect the pipe and install the cover

2

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



01 Twist the male threaded end of a 1.5 in NPT pipe (not included) into the female thread on the adapter plate (A).

02 Using the Allen key (I), tighten two screws onto the pipe to secure its position. Use either the security screws (D) or the standard screws (E).

03 Pull the decorative cover (B) up the pipe to conceal the adapter plate (A) for a neat look.

Note. The pipe is not included. Use any standard 1.5 in NPT pipe.

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-PRO-PM-CA-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:

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Warranty Claim – [your model number] – [order number]
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Do not mail or return anything until we issue an approved RMA or written instructions.

Maintenance

Check at regular intervals that the ceiling adapter 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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