INSTALLATION MANUAL · PROJECTOR WALL MOUNT

Projector wall mount with fine-tune adjustment for most projectors.

QG-PM-FT1-WHT



Universal wall mount for short-throw and regular projectors

WHITE

ADJUSTMENTS

VERTICAL TILT, HORIZONTAL ROLL, ROTATION	±5°
FORWARD / BACKWARD SLIDE	380–660 mm
LEFT / RIGHT SLIDE	90 mm

MAXIMUM RATED LOAD

33 lb / 15 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, email QualGear customer support at support@qualgear.com.
- 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.
- This QualGear product is designed for residential use only. Commercial use voids the warranty.
- When mounting to wood studs, make sure the mounting screws are anchored into the center of the studs. An edge-to-edge stud finder is highly recommended.
- Never exceed the maximum rated load specified in this manual: 33 lb / 15 kg.
- Use all bolts and screws at the designated points shown in these instructions to prevent property damage and personal injury.
- Do not install near air-conditioner vents or where there is excessive dust or smoke.
- When drilling holes in the wall, take care to avoid electrical cables and water or gas pipes in the wall.
- Mount the wall plate to a wood stud wall or a concrete or brick wall only, using the included hardware as described in step 3. Do not use the concrete anchors (B) in wood studs.
- Do not use a power drill to drive the mounting screws.
- Use an assistant to hold the projector securely while you attach it to the wall mount and while you make adjustments.
- Before you mount the wall plate, make sure there is room for the full forward / backward slide (380–660 mm) and left / right slide (90 mm).
- Keep fingers clear of the sliding parts when you move the projector forward / backward or left / right.
- Leave enough cable slack for the full slide range so the cables are not pulled or pinched when the projector moves.
- Check at regular intervals that the projector mount is secure and safe to use.

Approved wall construction

WALL CONSTRUCTION	Wood stud	Solid concrete or brick	Other
HARDWARE REQUIRED	Included	Included	Contact a qualified professional

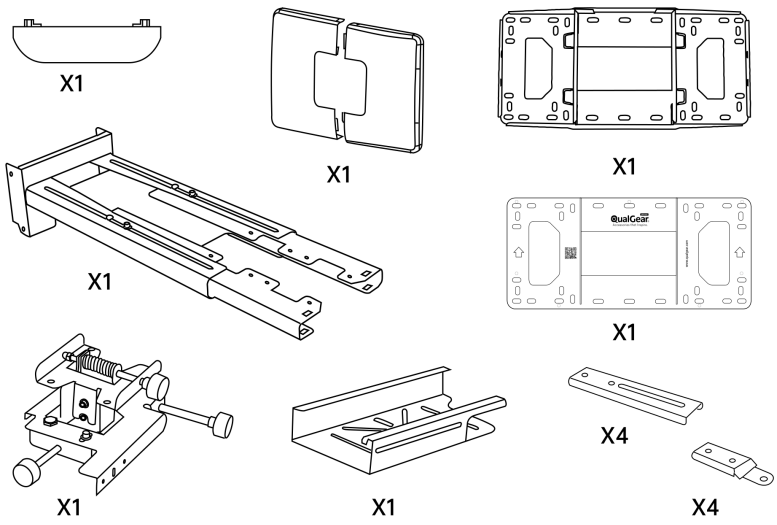
⚠ Caution. Installers are responsible for providing hardware for other types of mounting situations.

Parts checklist

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

Main parts

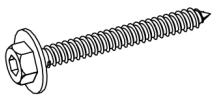
ILLUSTRATIONS NOT TO SCALE



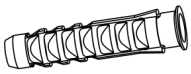
Wall plate cover ×1, decorative cover ×1, wall plate ×1, marking template ×1, mounting bracket ×1, adjustment head ×1, projector mounting plate ×1, extension arms ×4, and short arm brackets ×4.

Wall hardware

LETTERS USED IN STEPS 3–4



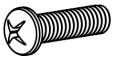
M6 × 55 mm screws
A · ×5



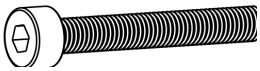
Ø10 mm concrete anchors
B · ×5



M6 × 12 mm screws
C · ×4



M4 × 12 mm screws
D · ×8



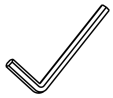
M8 × 100 mm bolt
E · ×1



4 mm Allen key
F · ×1



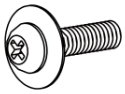
5 mm Allen key
G · ×1



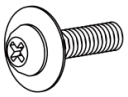
8 mm Allen key
H · ×1

Projector hardware

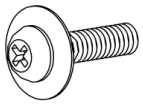
LETTERS USED IN STEP 5 · USE ONLY WHAT FITS



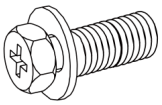
M2.5 × 15 mm screws
A · ×4



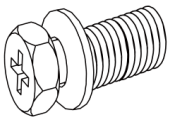
M3 × 10 mm screws
B · ×4



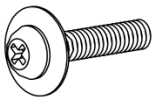
M4 × 10 mm screws
C · ×4



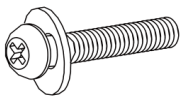
M5 × 12 mm screws
D · ×4



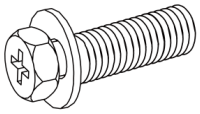
M6 × 12 mm screws
E · ×4



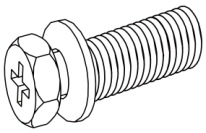
M3 × 20 mm screws
F · ×4



M4 × 25 mm screws
G · ×4



M5 × 25 mm screws
H · ×4



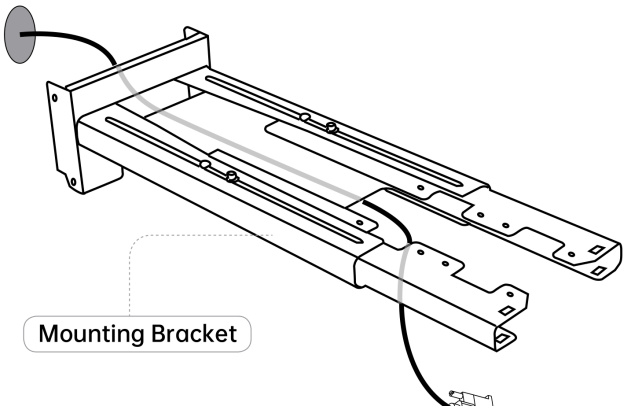
M6 × 26 mm screws
I · ×4

Two hardware packages. The wall hardware and the projector hardware are each lettered from A. In this manual, steps 3 and 4 refer to wall hardware, and step 5 refers to projector screws A–I plus the Allen keys (F, H) from the wall hardware package.

STEP 1

Route the cables

1

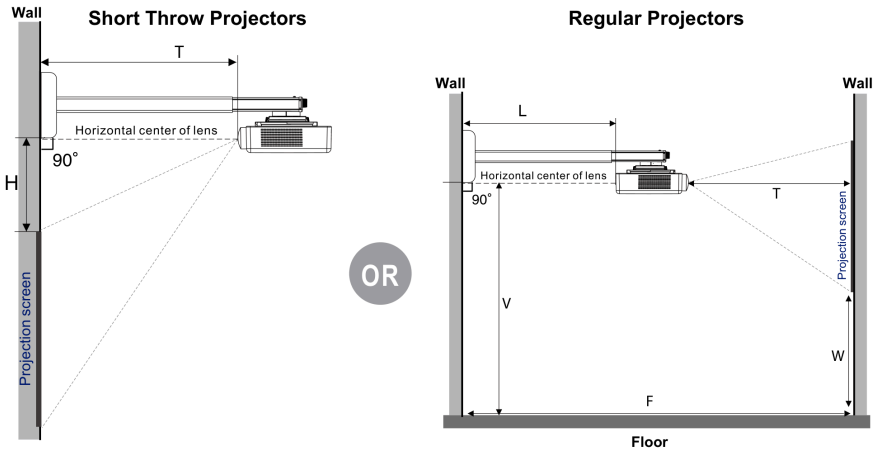


Feed the projector cables through the mounting bracket.

STEP 2

Check the installation position

2



Use the diagram above and your projector's user manual to determine the correct placement of the projector wall mount.

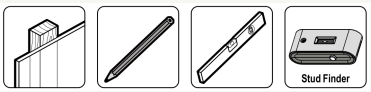
F	Distance between the walls (length of the room)	H	Top of the projection screen to the center of the lens
L	Wall to the projector	T	Throw (projection) distance
V	Floor to the center of the lens	W	Floor to the bottom of the projection screen

STEP 3 · MOUNT THE WALL PLATE

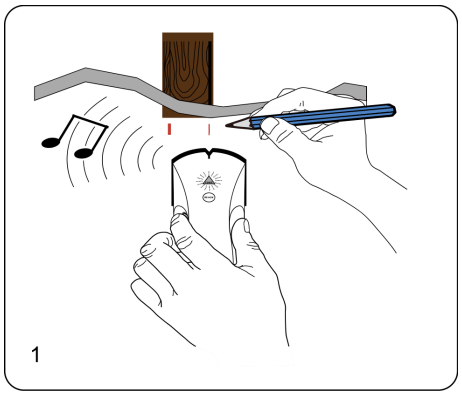
Mount to a wood stud wall

3a

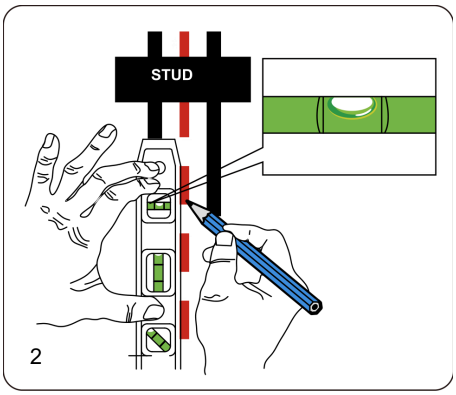
Note. For a concrete or brick wall, follow step 3b on page 08. On wood studs, use template holes 1, 3, 4, and 5.



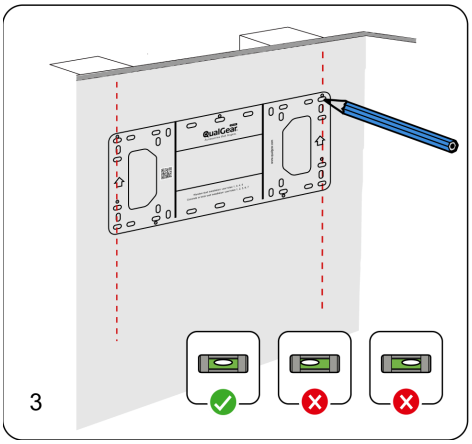
Stud finder · Pencil · Level · Power drill · 1/8 in drill bit



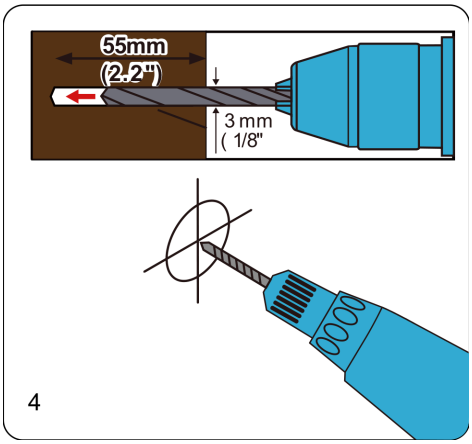
3a.1 Using an edge-to-edge stud finder, find the edges of the stud.



3a.2 Using a level, mark the centerline of the stud.

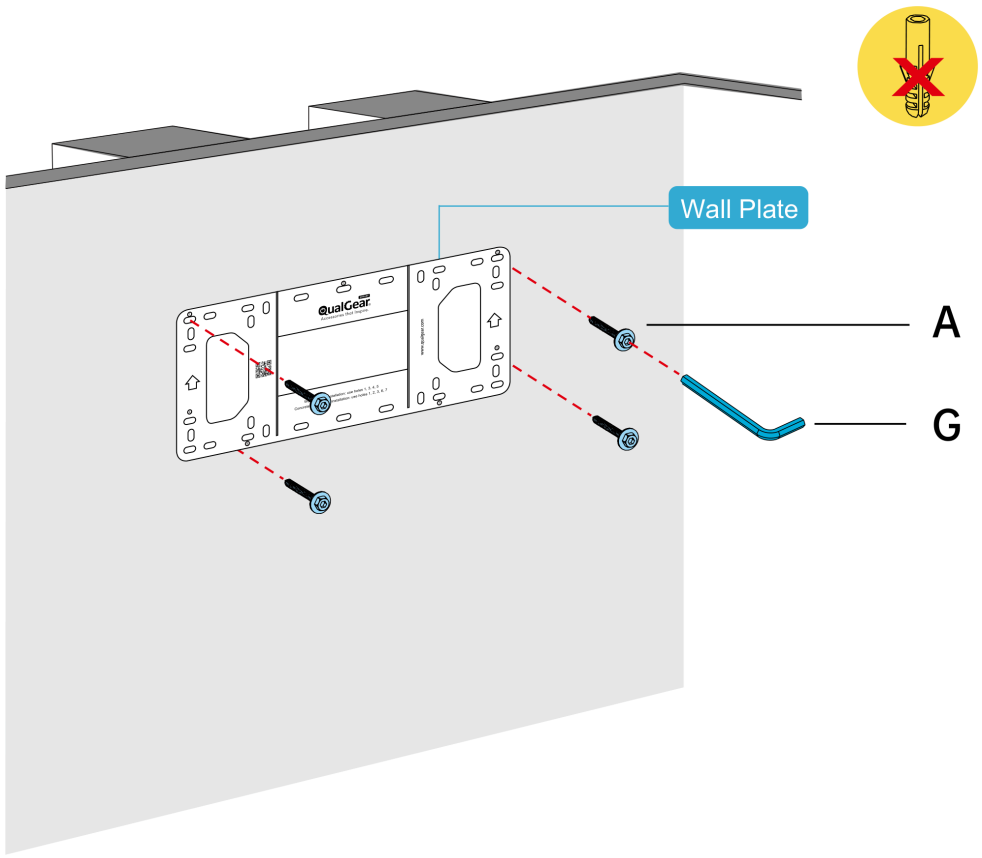


3a.3 Level the marking template and mark four holes for drilling on the centerline of each stud.



3a.4 Using a power drill and a 1/8 in drill bit, drill pilot holes 1/8 in (3 mm) in diameter and at least 2.2 in (55 mm) deep at the marked locations.

3a Mount to a wood stud wall (continued)



3a.5 Mount the wall plate and fasten it with the M6 × 55 mm screws (A), using the 5 mm Allen key (G). Do not use the concrete anchors (B) in wood studs.

Note. Do not use a power drill to drive the screws, and do not overtighten them.

⚠ **Warning.** Installers are responsible for providing hardware for other types of mounting situations. Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

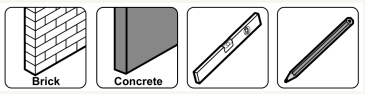
WALL PLATE INSTALLED · NEXT: STEP 4, PAGE 10

STEP 3 · MOUNT THE WALL PLATE

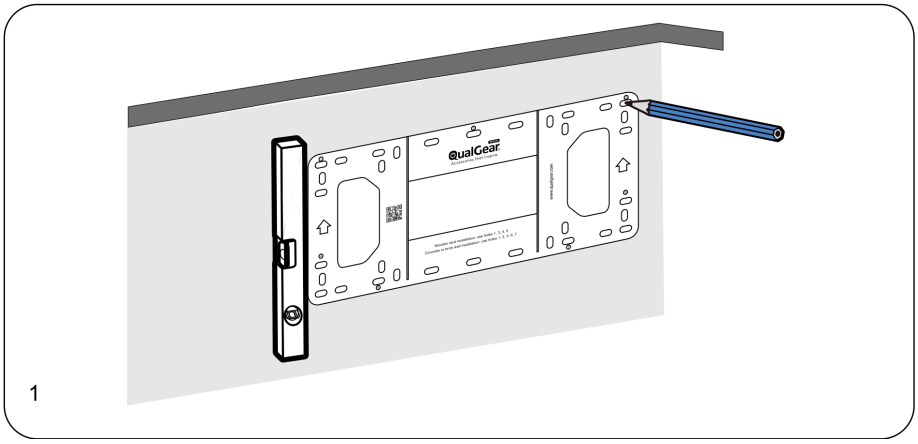
Mount to a concrete or brick wall

3b

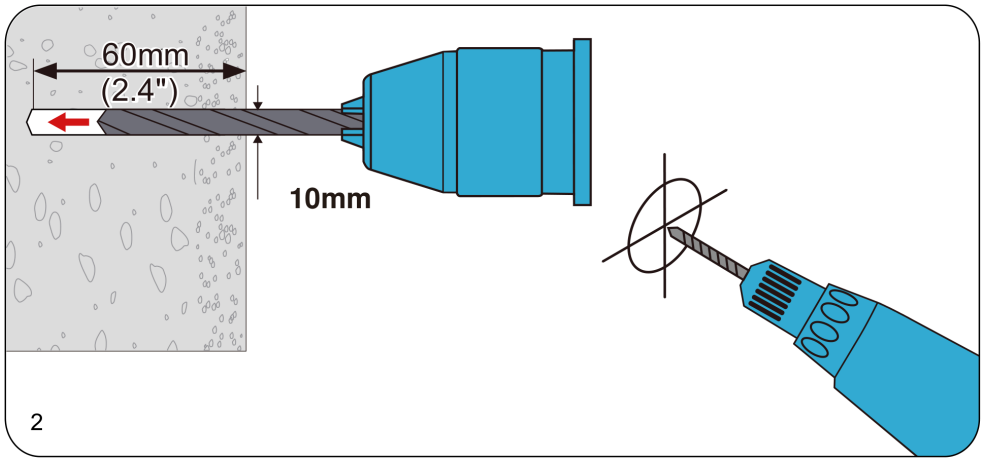
Note. On concrete or brick, use template holes 1, 2, 3, 6, and 7.



Level · Pencil · Power drill · 3/8 in masonry drill bit · Hammer

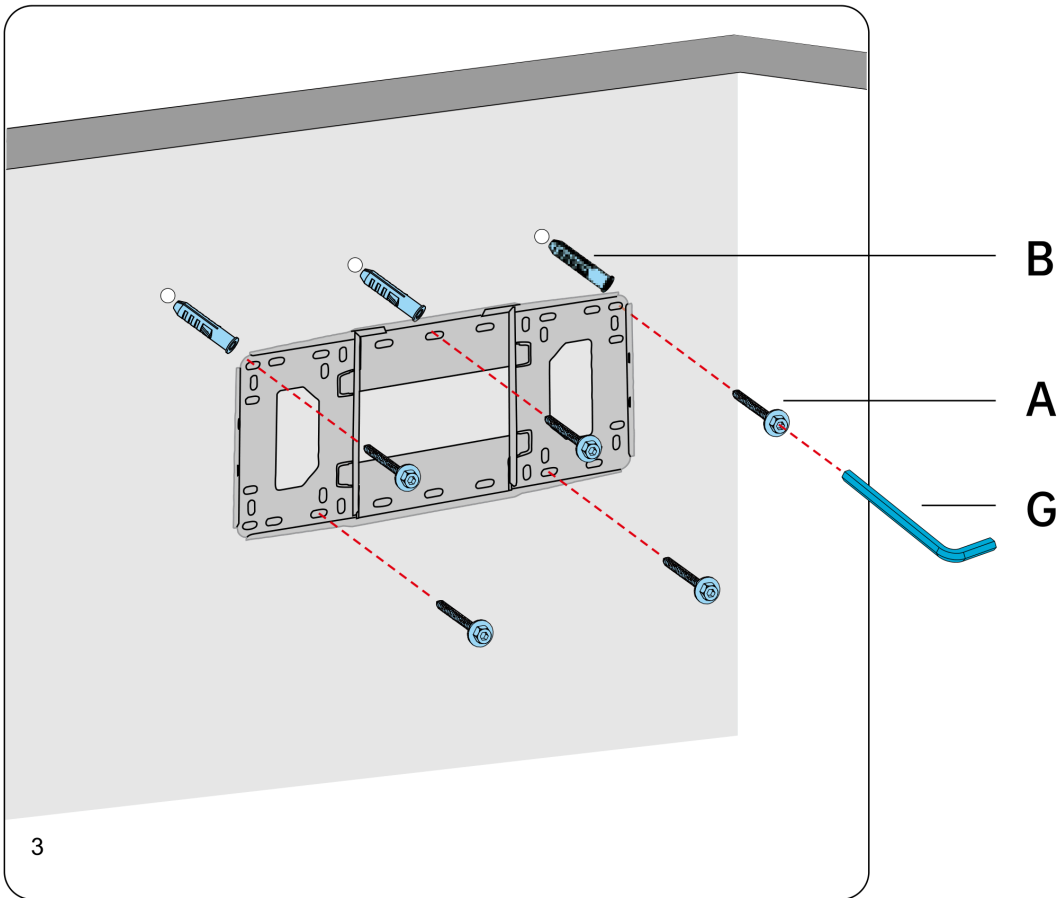


3b.1 Hold the marking template against the wall where you want to install the projector, level it, and mark five holes for drilling.



3b.2 Using a power drill and a 3/8 in masonry drill bit, drill mounting holes 3/8 in (10 mm) in diameter and 2.4 in (60 mm) deep at the marked locations.

3b Mount to a concrete or brick wall (continued)



3b.3 Place a concrete anchor (B) in each hole and tap it flush with the wall using a hammer. Mount the wall plate and fasten it with the M6 × 55 mm screws (A), using the 5 mm Allen key (G).

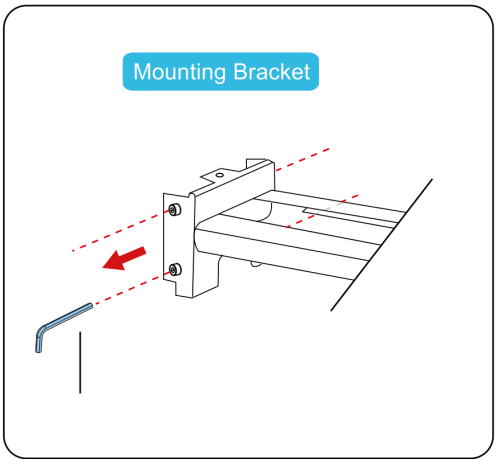
Note. Do not use a power drill to drive the screws, and do not overtighten them.

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

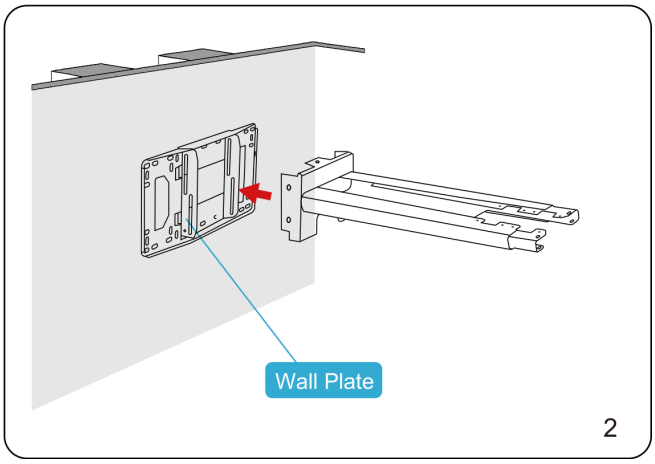
STEP 4

Install the mounting bracket on the wall plate

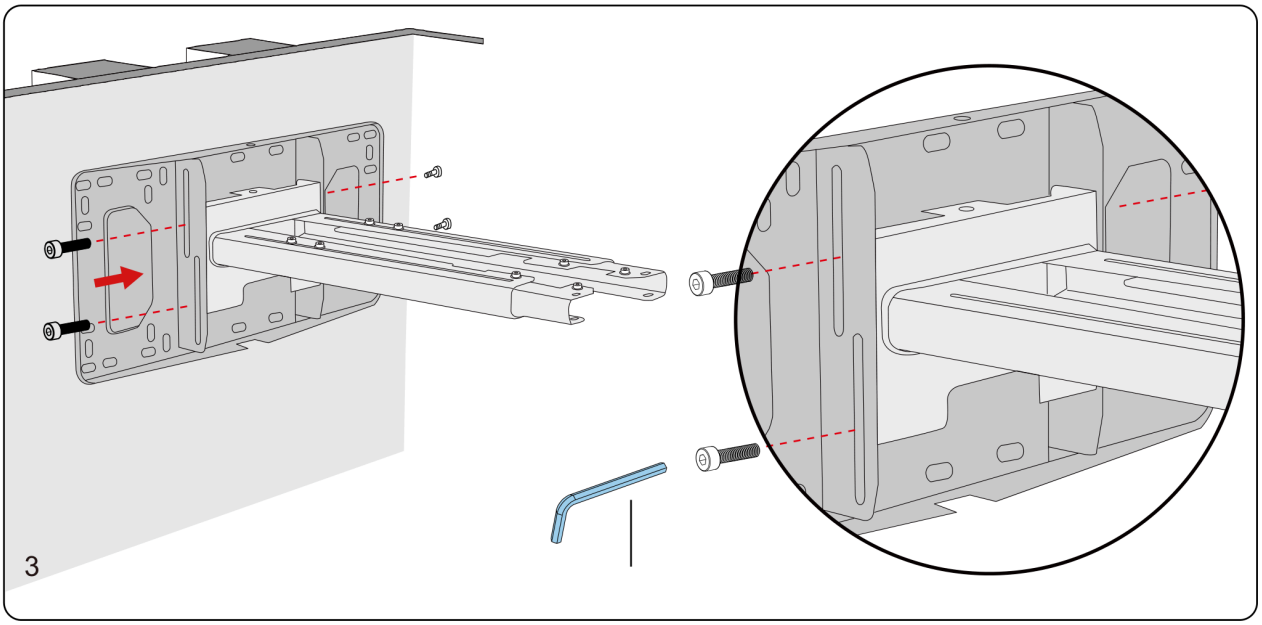
4



4.1 Remove the screws from the mounting bracket using the 5 mm Allen key (G).



4.2 Hang the mounting bracket on the wall plate.



4.3 Reinstall the screws through the wall plate into the mounting bracket and tighten them with the 5 mm Allen key (G).

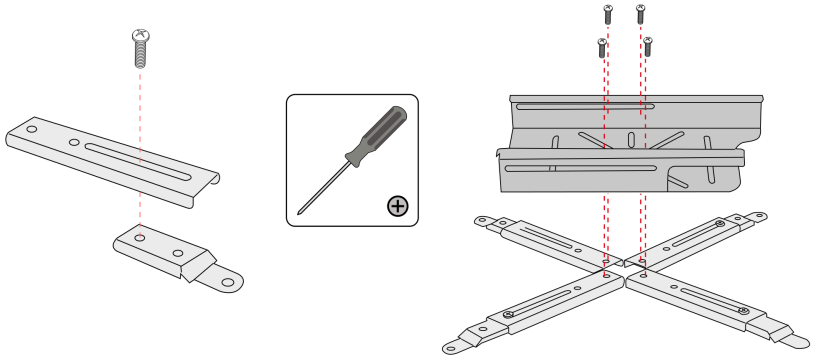
STEP 5

Install the projector on the wall mount

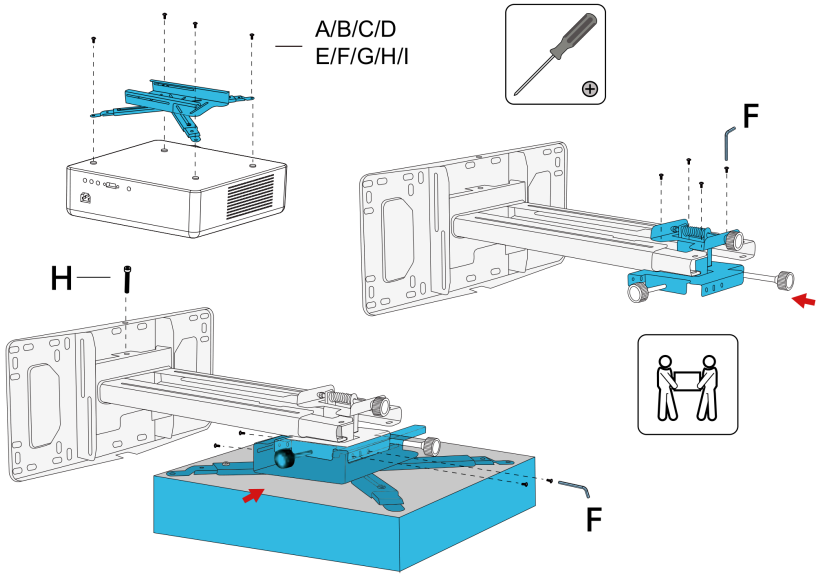
5

⚠ **Important.** Use an assistant to hold the projector securely while attaching it to the wall mount and while making adjustments.

Choose the projector screws (A–I) that fit your projector, then attach the projector mounting plate to the projector, with or without the extension arms.



5.1 With extension arms: attach the arms to the mounting plate with a Phillips screwdriver, then fasten the arms to the projector.



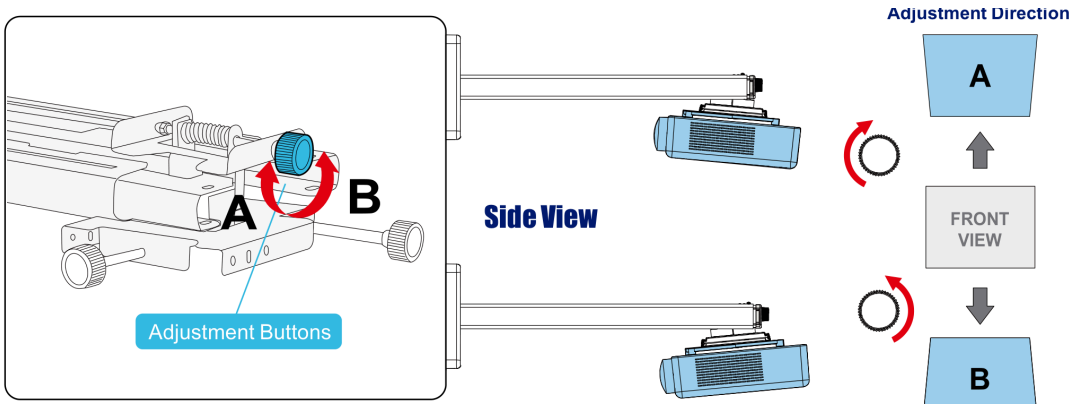
5.2 Without extension arms: fasten the mounting plate directly to the projector. Attach the projector to the adjustment head using the 4 mm Allen key (F) and the 8 mm Allen key (H).

STEP 6

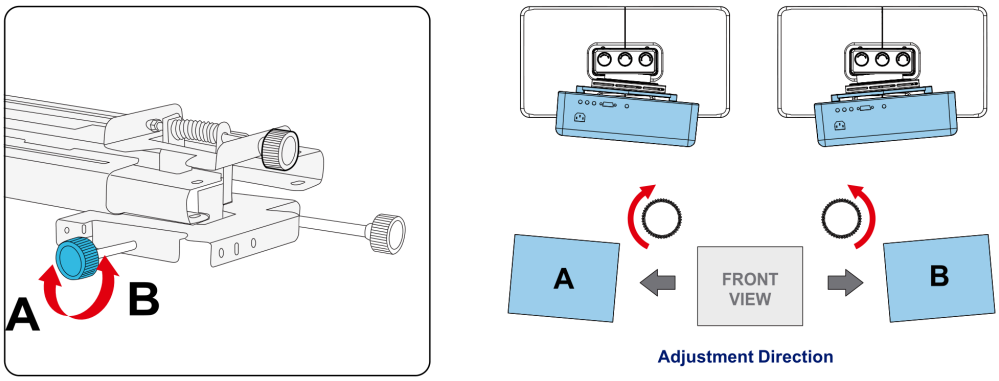
Adjust the projector

6

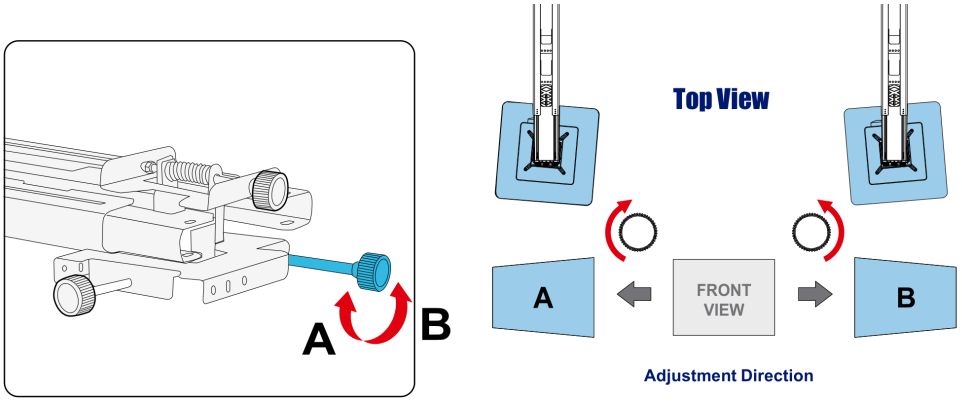
After the projector is mounted, adjust it to suit your setup. Turn each adjustment button toward A or B to move the image in the direction shown.



6.1 Vertical tilt.

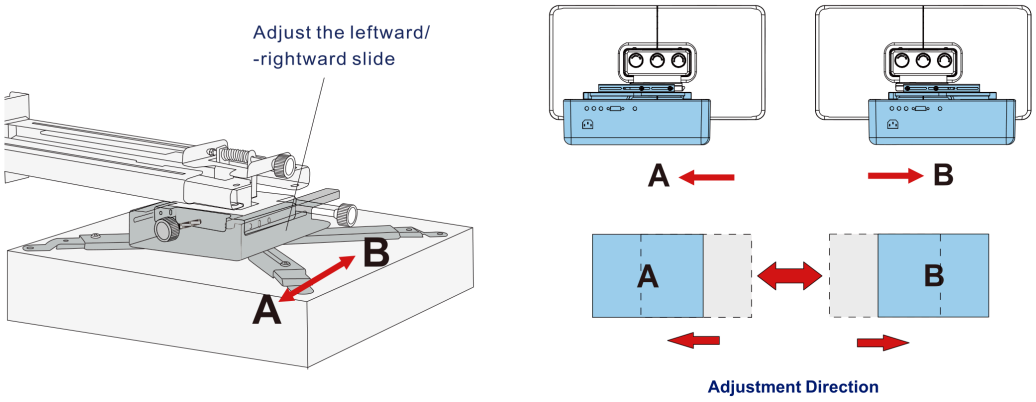


6.2 Horizontal roll.

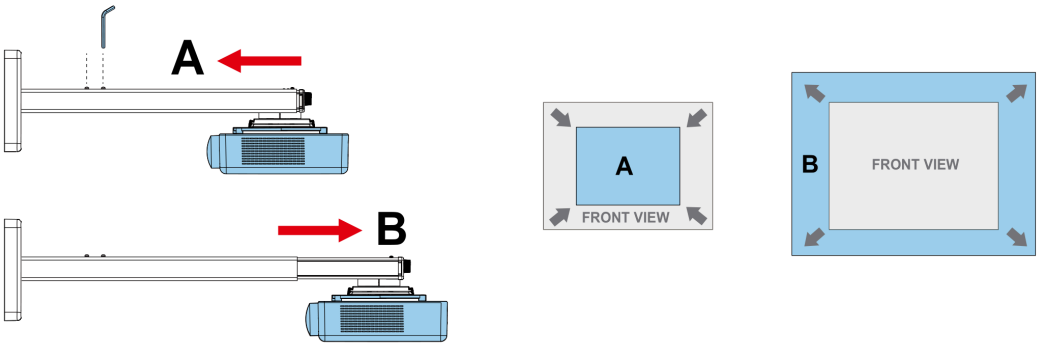


6.3 Horizontal rotation (top view).

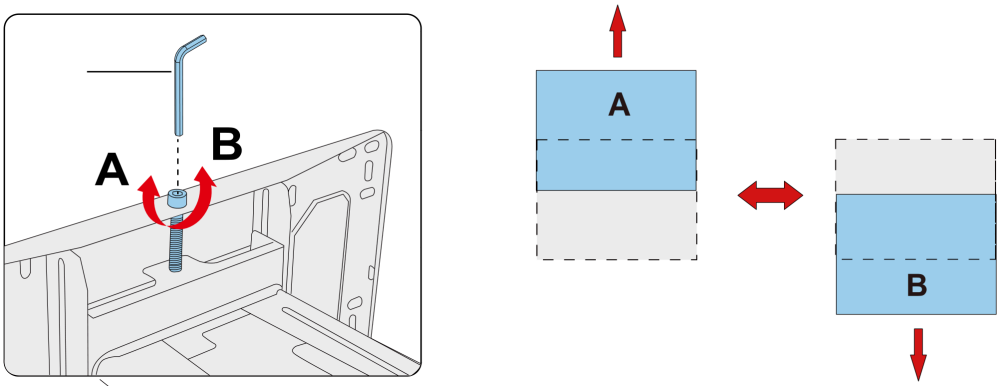
6 Adjust the projector (continued)



6.4 Left / right slide.



6.5 Forward / backward slide: move the projector toward (A) or away from (B) the wall to set the image size.

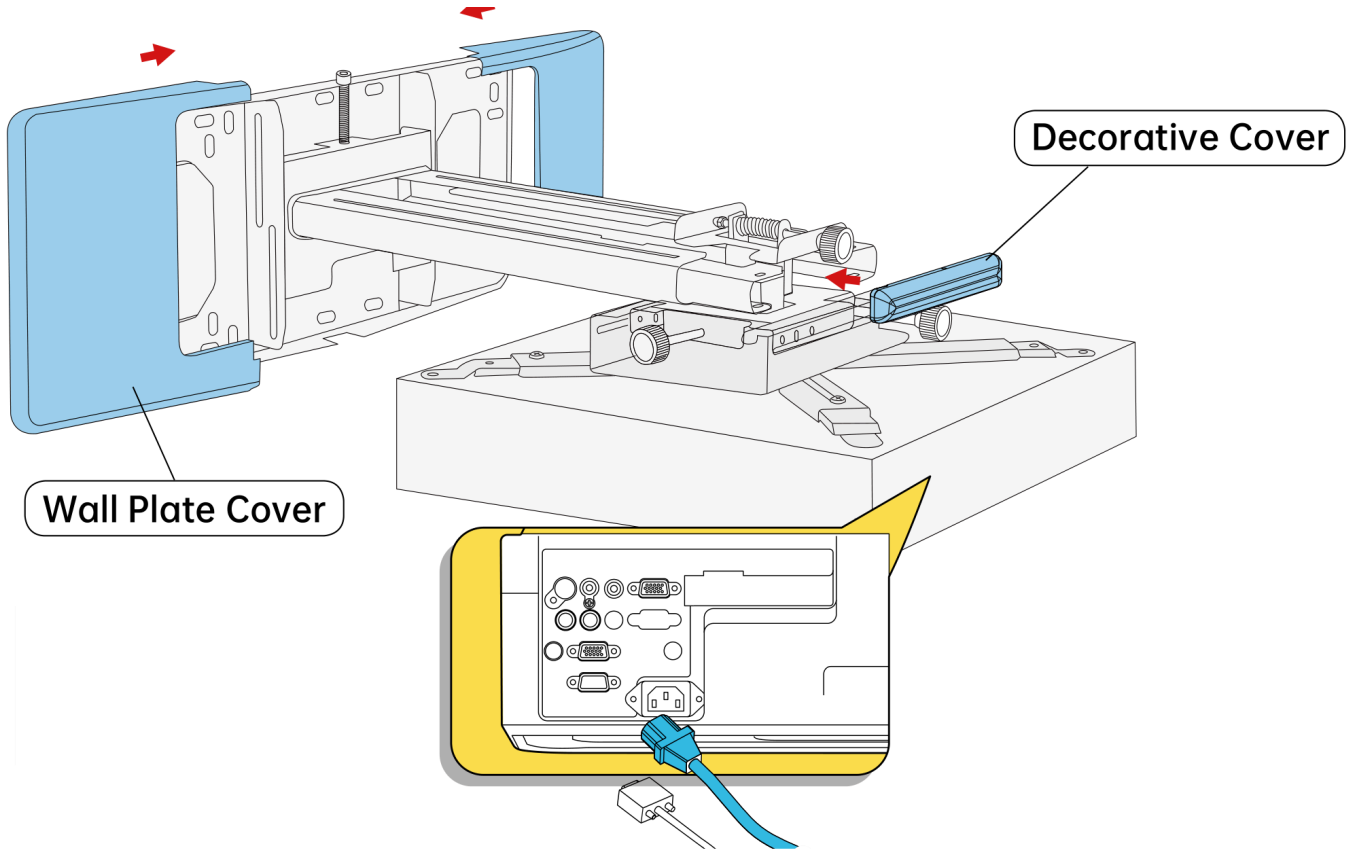


6.6 Fine forward / backward slide: turn the adjustment screw with the 8 mm Allen key (H).

STEP 7

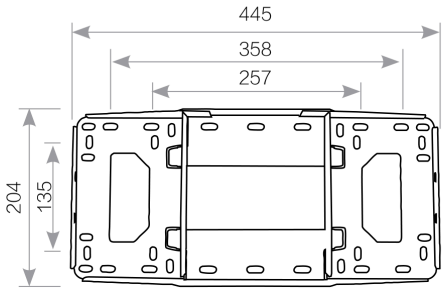
Install the wall plate covers and decorative cover

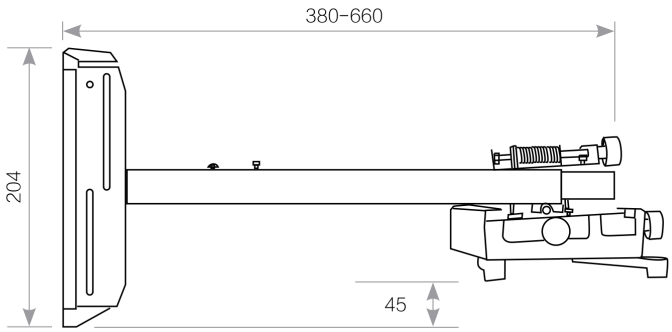
7

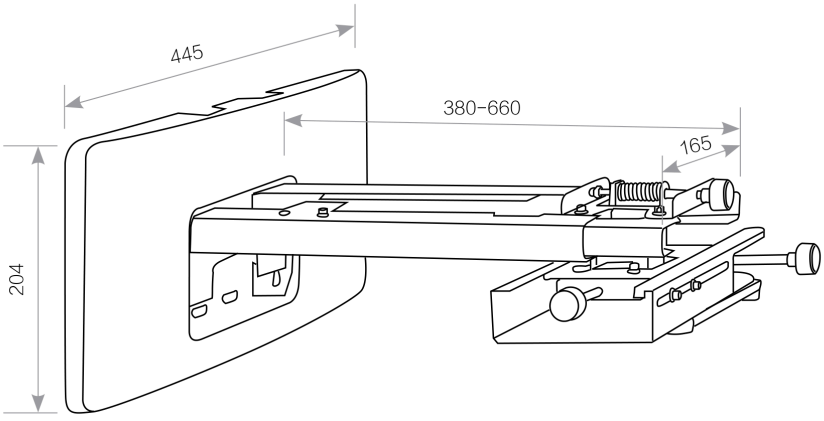


Connect the cables to the projector, then install the wall plate covers and the decorative cover.

Product specifications







Dimensions in millimeters.

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-PM-FT1-WHT`
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 **1-year limited warranty (parts only)** from the original purchase date. Email us with this subject line:

```
Warranty Claim – QG-PM-FT1-WHT –
[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 projector mount 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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