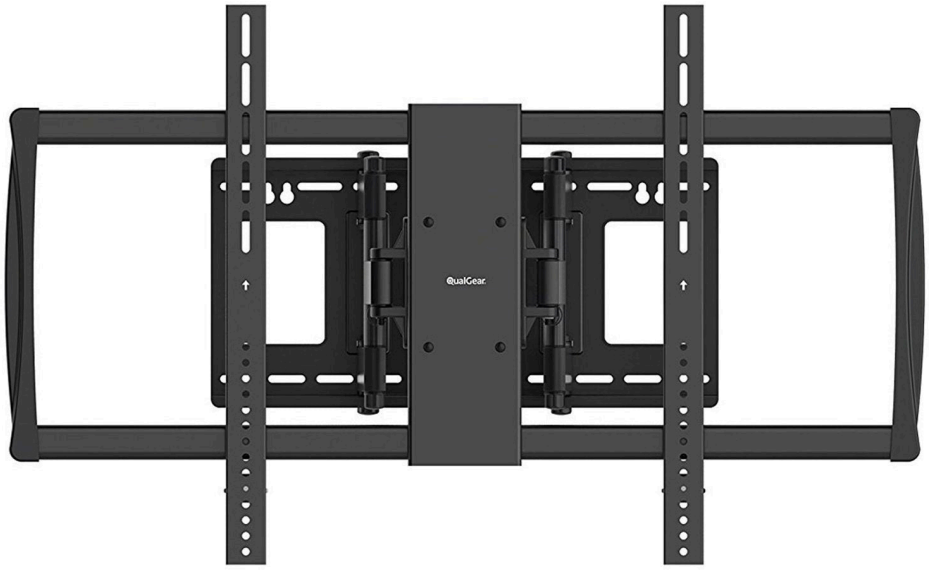
INSTALLATION MANUAL · FULL-MOTION TV WALL MOUNT

Heavy-duty full-motion TV wall mount for most 60 to 100 in flat-panel and curved TVs.

QG-TM-092-BLK



Swivel ±45° · tilt +5° / −15° · level ±3°

BLACK

VESA PATTERNS (MM)	200 × 200 · 300 × 200 · 300 × 300 · 400 × 200 · 400 × 300 · 400 × 400 · 600 × 200 · 600 × 300 · 600 × 400 · 800 × 200 · 800 × 300 · 800 × 400 · 800 × 600 · 900 × 200 · 900 × 300 · 900 × 400 · 900 × 600

MAXIMUM RATED LOAD

176 lb / 80 kg

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

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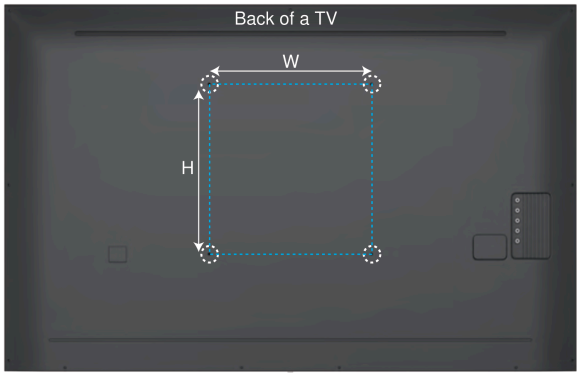
TV compatibility

FIRST, CHECK WEIGHT

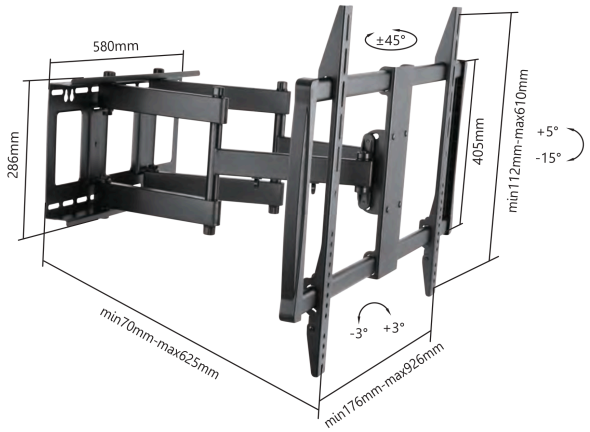
Your TV or monitor weighs 176 lb / 80 kg or less.

NEXT, CHECK VESA

Your TV or monitor's VESA mounting-hole pattern is in the list below.



W × H is the mounting-hole pattern on the back of the TV.



Dimensions in millimeters. Extends 70–625 mm from the wall; swivel ±45°, tilt +5° / −15°, level ±3°.

SUPPORTED VESA (MM)

200 × 200 · 300 × 200 · 300 × 300 · 400 × 200 · 400 × 300 · 400 × 400 · 600 × 200 · 600 × 300 · 600 × 400 · 800 × 200 · 800 × 300 · 800 × 400 · 800 × 600 · 900 × 200 · 900 × 300 · 900 × 400 · 900 × 600

Contact us. If you have installation questions or need replacement parts, email support@qualgear.com or call +1 (972) 423-5015.

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: 176 lb / 80 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.

Approved wall construction

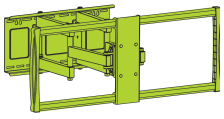
WALL CONSTRUCTION	HARDWARE REQUIRED
Wood stud	Included
Wood beam	Included
Solid concrete	Included
Brick	Included
Other	Contact a qualified professional

Parts checklist

⚠ **Important.** Before you start, make sure every part listed below is included. If any part is missing or damaged, contact your local distributor or email support@qualgear.com for replacements. Do not begin assembly and installation until you have all the parts.

Main parts

ILLUSTRATIONS NOT TO SCALE



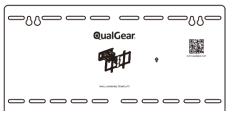
Wall mount
A · ×1

Adapter brackets
B · ×2

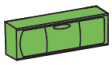
Cable clips
C · ×4

M4 × 6 mm screws
D · ×4

4 mm Allen key
E · ×1



Marking template
F · ×1

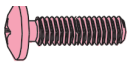


Bubble level
G · ×1

TV hardware

USE ONLY WHAT FITS YOUR TV

M4 × 14 mm screws
M-A · ×4



M5 × 14 mm screws
M-B · ×4

M6 × 14 mm screws
M-C · ×4

M8 × 20 mm screws
M-D · ×4

M6 × 30 mm screws
M-E · ×4

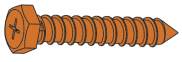
M8 × 50 mm screws
M-F · ×4

5.5 / 8.5 mm washers
M-G · ×4

5 mm small spacers
M-H · ×8

15 mm large spacers
M-I · ×8

Wall hardware



ST8 × 90 mm lag bolts
W-A · ×4

12 × 60 mm concrete anchors
W-B · ×4

D8 washers
W-C · ×2

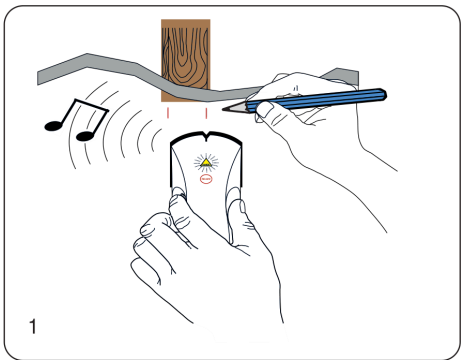
STEP 1 · MOUNT THE WALL MOUNT

Mount to a wood stud wall

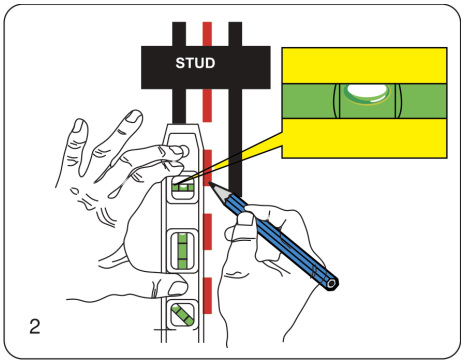
1a

Note. For a concrete or brick wall, follow step 1b on page 07.

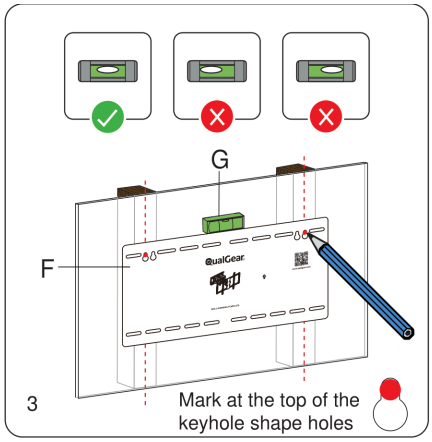
Stud finder | Pencil | Power drill | 1/4 in drill bit | Socket wrench



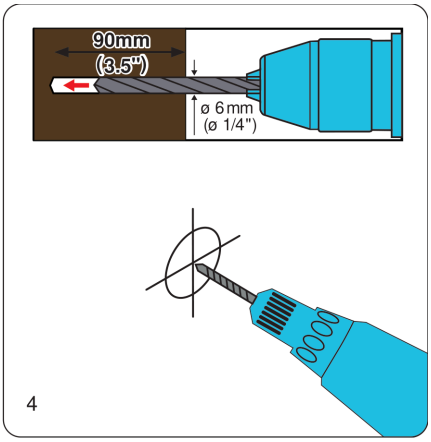
1a.1 Using an edge-to-edge stud finder, find the edges of the stud.



1a.2 Using a level, mark the centerline of the stud.

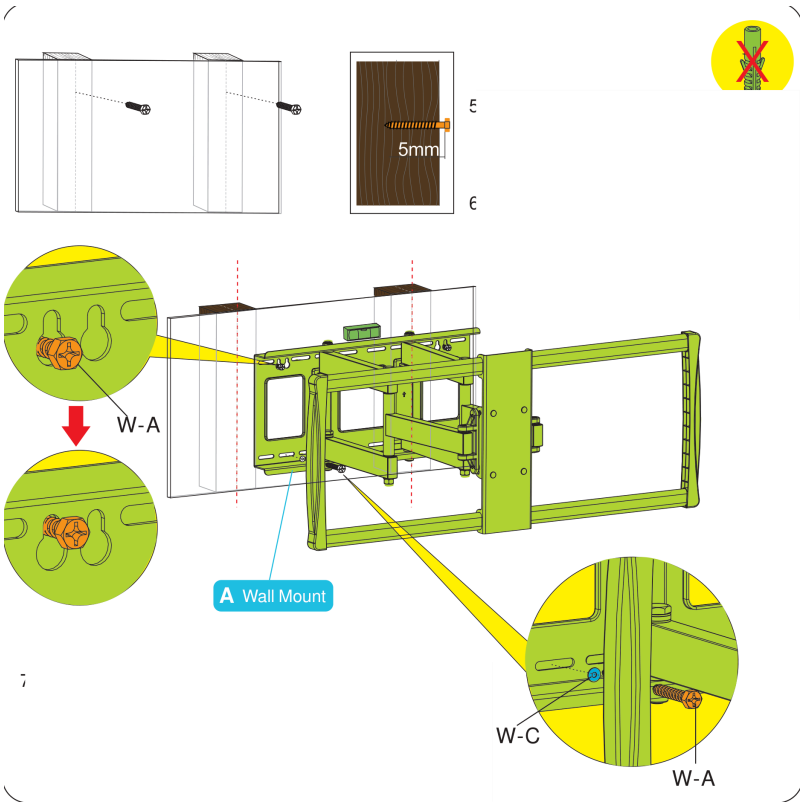


1a.3 Using the marking template (F), leveled with the bubble level (G), mark two holes on the centerline of the studs. Mark at the top of the keyhole-shaped holes.



1a.4 Using a power drill and a 1/4 in drill bit, drill pilot holes 1/4 in (6 mm) in diameter and at least 3.5 in (90 mm) deep.

1a Mount to a wood stud wall (continued)



1a.5 Insert two lag bolts (W-A) into the top drilled holes and tighten them with a socket wrench, leaving a 5 mm space from the wall.

1a.6 Lift the wall mount (A) and place it against the wall, aligning its keyholes with the lag bolt heads so the wall plate rests in the 5 mm space. Then use the wall plate as a template to mark the two bottom holes.

1a.7 Remove the wall mount and drill the bottom holes as in step 1a.4. Place the wall mount back on the wall as in step 1a.6, insert two lag bolts (W-A) with D8 washers (W-C) through the lower mounting holes, and tighten all the bolts with a socket wrench.

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

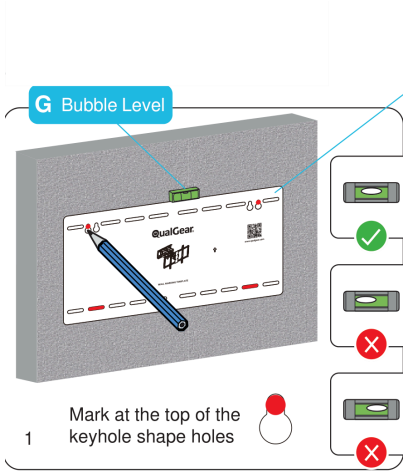
⚠ **Warning.** Make sure the mounting screws are anchored into the center of the studs; a stud finder is highly recommended. Installers are responsible for providing hardware for other types of mounting situations. Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

STEP 1 · MOUNT THE WALL MOUNT

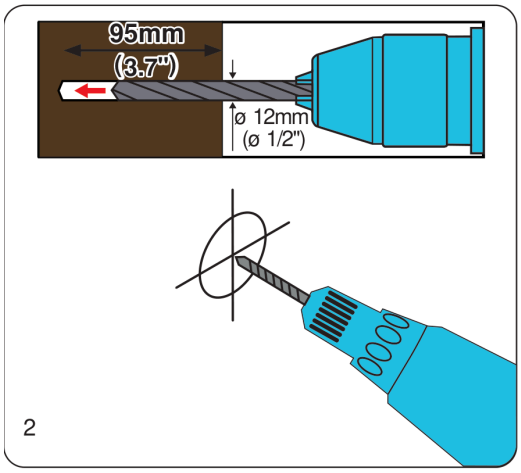
Mount to a concrete or brick wall

1b

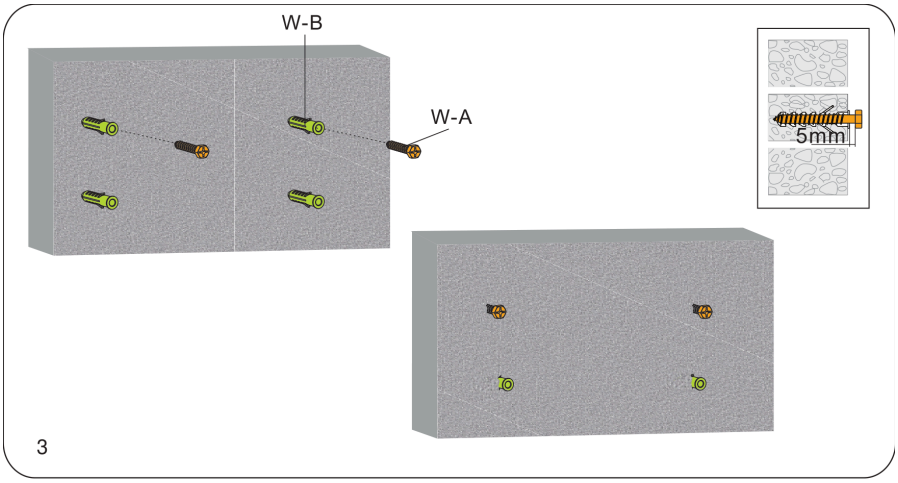
Pencil | Power drill | 1/2 in masonry drill bit | Hammer | Socket wrench



1b.1 Hold the marking template (F) against the wall where you want to install the TV, level it with the bubble level (G), and mark four holes. Mark at the top of the keyhole-shaped holes.

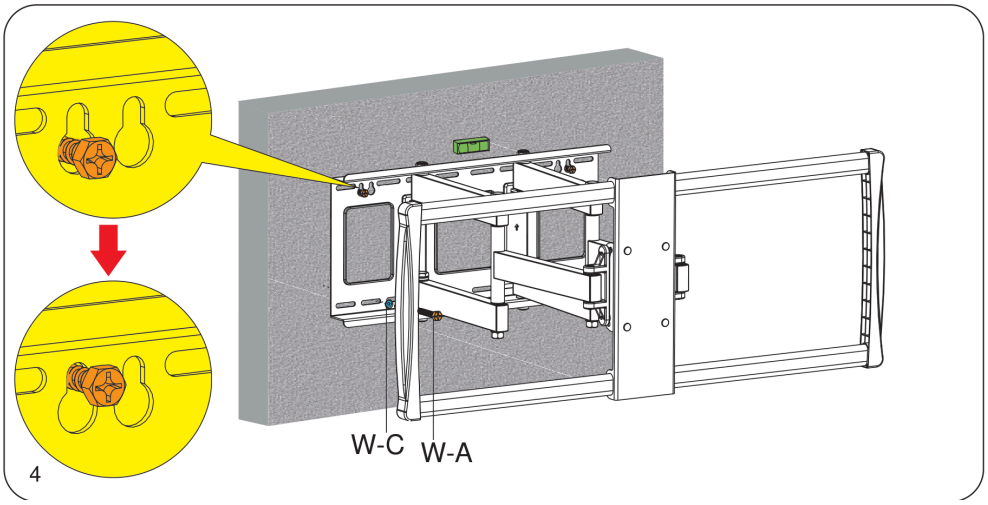


1b.2 Using a power drill and a 1/2 in masonry drill bit, drill holes 1/2 in (12 mm) in diameter and 3.7 in (95 mm) deep at the marked locations.



1b.3 Place a concrete anchor (W-B) in each hole and tap it flush with the wall using a hammer. Insert the top two lag bolts (W-A) and tighten them, leaving a 5 mm space from the wall.

1b Mount to a concrete or brick wall (continued)



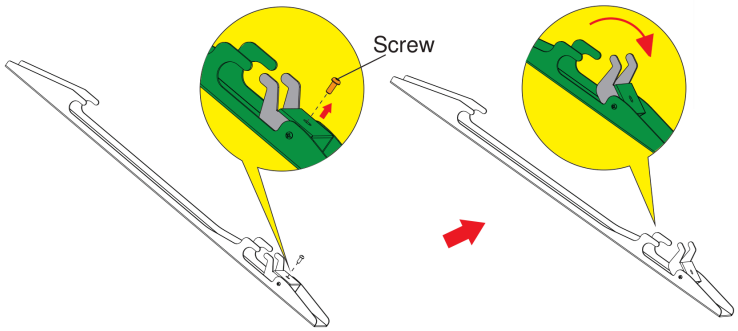
1b.4 Align the top holes on the wall mount with the bolt heads and carefully lower the wall plate onto them. Then fasten the lower mounting holes with lag bolts (W-A) and D8 washers (W-C) into the concrete anchors.

Note. Do not use a power drill to drive the top two lag bolts, 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 2

Remove the screws from the adapter brackets 2



Remove the latch screw from each adapter bracket (B) with a Phillips screwdriver, and open the latch. Keep the screws for step 4.

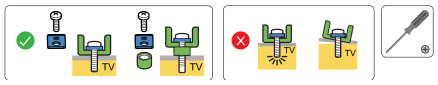
STEP 3

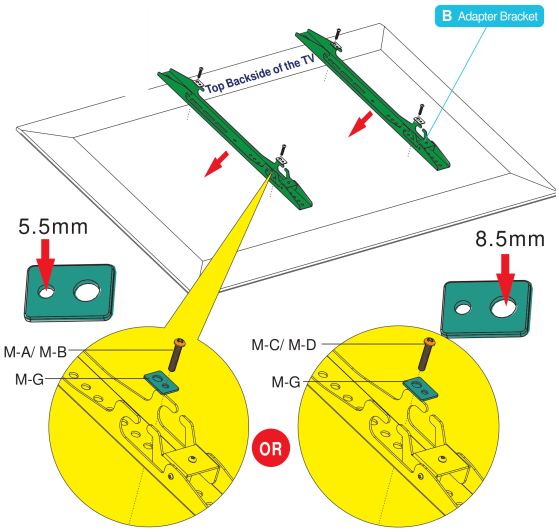
Install the adapter brackets on the TV

3

⚠ **Important.** Tighten all screws, but do not overtighten.

3a · Flat back panel



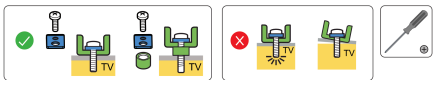


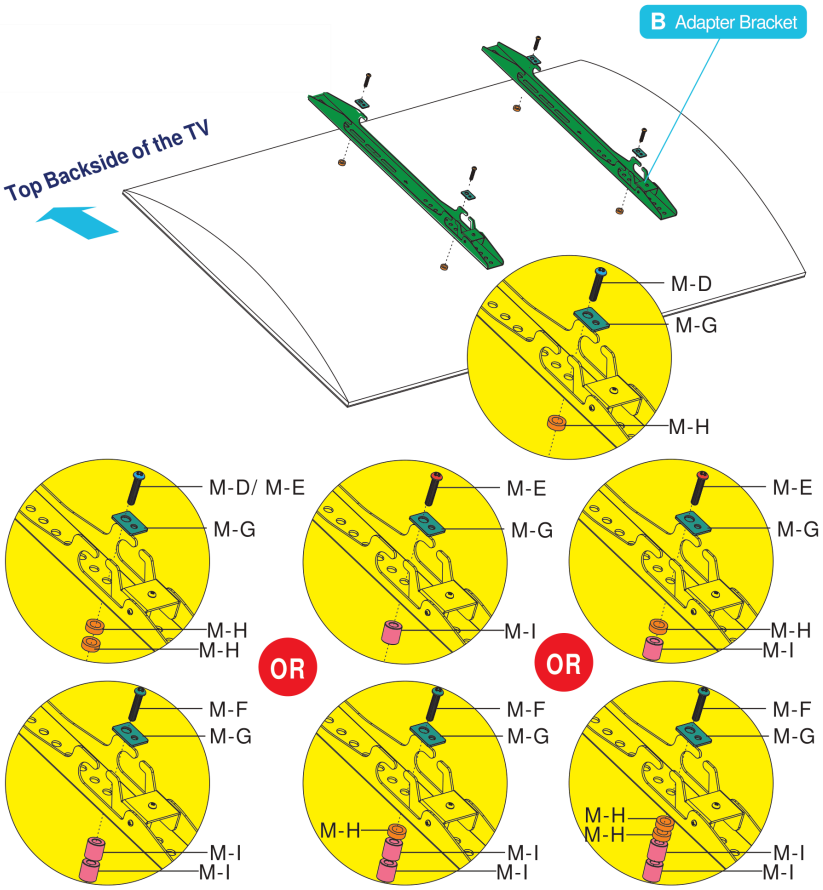
Use M-A or M-B screws through the 5.5 mm hole of washer M-G, or M-C or M-D screws through the 8.5 mm hole.

Choose the screws and washers that fit your TV, and attach the adapter brackets (B) to the back of the TV using a Phillips screwdriver.

3 Install the adapter brackets on the TV (continued)

3b · Curved or recessed back panel





Use M-D, M-E, or M-F screws with washer M-G, and small (M-H) or large (M-I) spacers as needed.

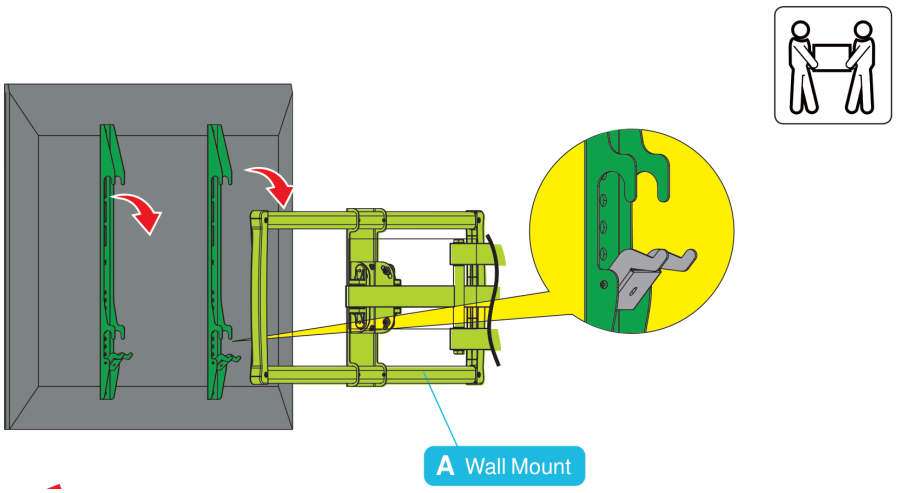
Choose the screws, washers, and spacers (if necessary) that fit your TV, attach the adapter brackets (B) to the back of the TV, then tighten the screws using a Phillips screwdriver.

STEP 4

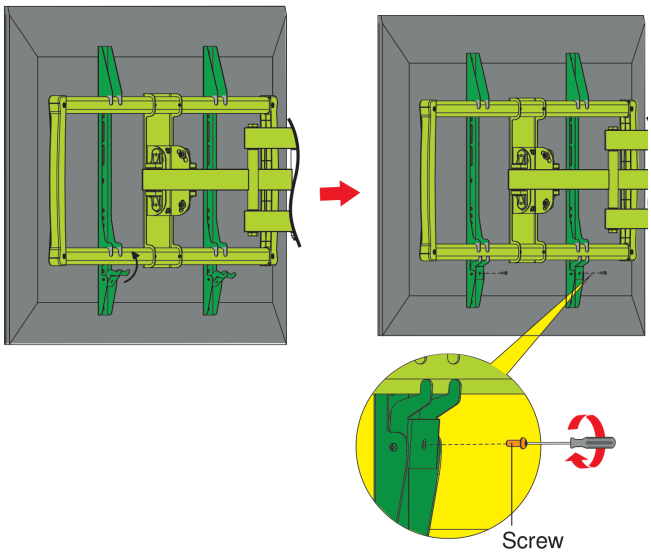
Hang the TV on the wall mount

4

⚠ **Important.** Heavy. Use an assistant for this step. Hold the TV securely until all screws are firmly installed before releasing it.



4.1 Hook the adapter brackets onto the wall mount (A).

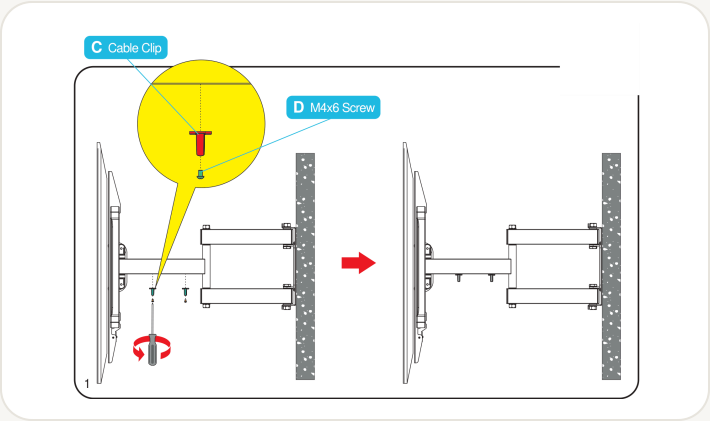


4.2 Close the latches, then fasten them with the screws removed in step 2. Tighten all screws, but do not overtighten.

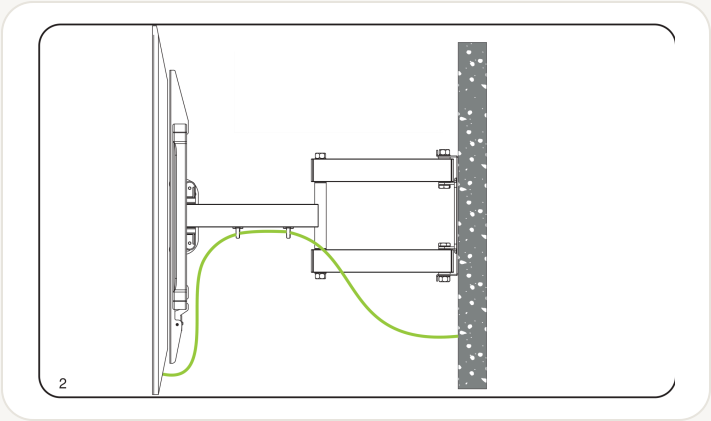
STEP 5

Manage the cables

5



5.1 Attach the cable clips (C) to the arm with the M4 × 6 mm screws (D), using a Phillips screwdriver.

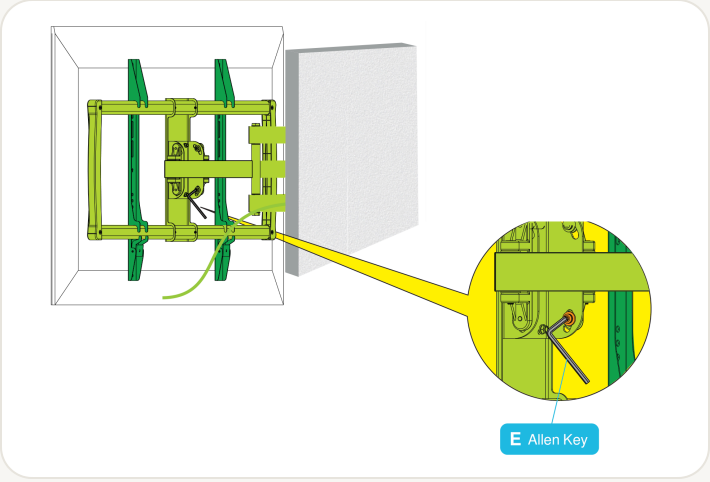


5.2 Run the cables through the cable clips. Leave slack for arm movement.

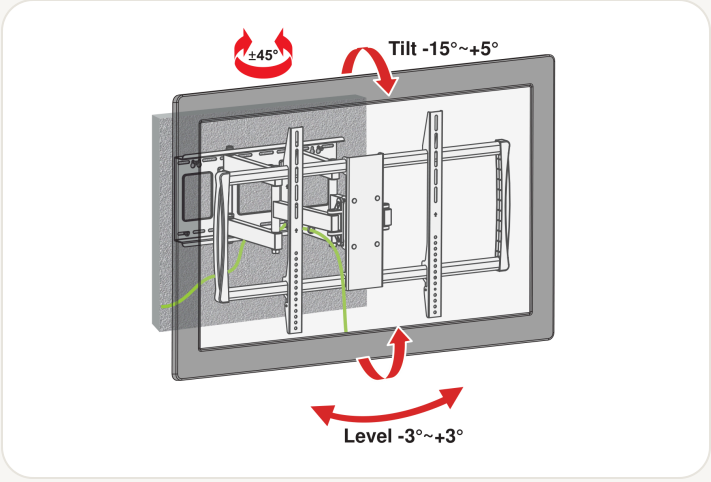
STEP 6

Adjust the TV

6



6.1 Check the tightness of the screws at the head of the mount and adjust them with the Allen key (E).



6.2 Tilt −15° to +5°, swivel −45° to +45°, and level −3° to +3°.

To make tilting adjustments by hand, the head screws must be set correctly: if they are too tight or too loose, the TV cannot be adjusted by hand. For example, a lightweight TV with overly tight screws needs them loosened slightly, and a heavy TV with loose screws needs them tightened.

We're here to help. Real people in Anna, Texas.

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Put your model number in the subject line

ONLINE
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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-TM-092-BLK`
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-TM-092-BLK – [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 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
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