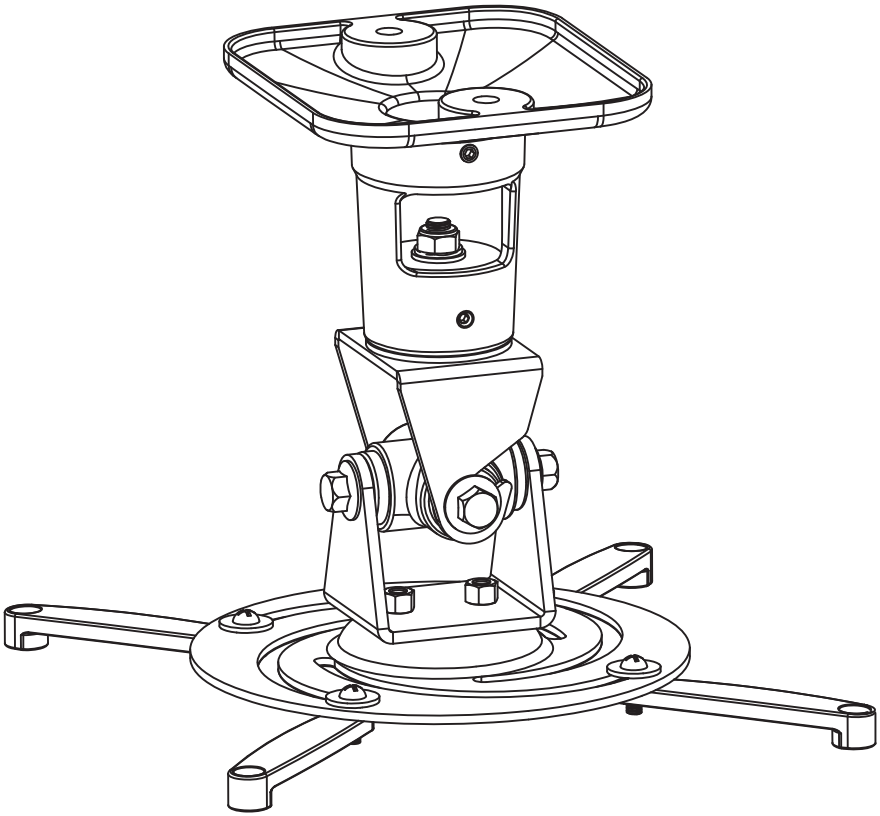
GABOR®

UPM-360

360° UNIVERSAL PROJECTOR MOUNT



User Manual

Thank you for choosing Gabor.

The Gabor UPM-360 Universal Projector Mount provides an easy solution for mounting your projector to a flat or slanted ceiling or wall. Preassembled parts make the installation process quick and simple. This mount offers a 1.5 NPT universal attachment which allows for adaptable hardware installations, and 360° placement with adjustable sizing to fit most projectors with a maximum mounting-hole diagonal length of 12-inches. Mount your projector at home, in your office's conference room, or a school classroom for unobstructed overhead viewing.

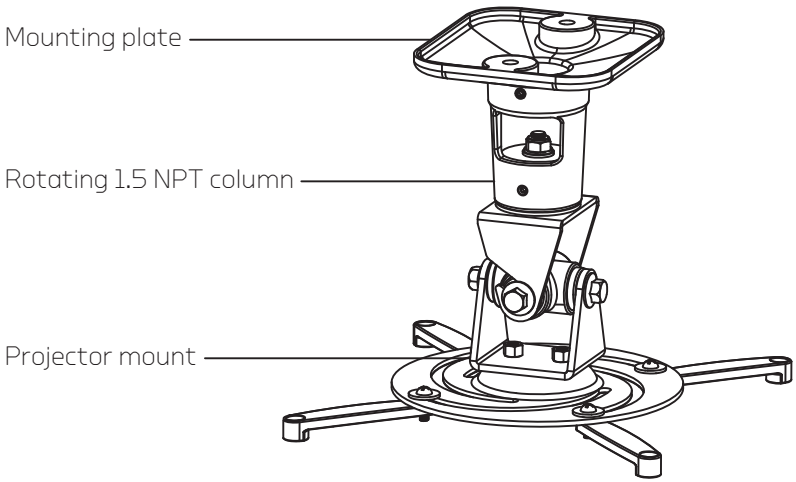
If you have safety concerns about installing this product, contact a qualified professional or installation contractor.

If this product is missing hardware or there are defective parts, visit www.madebygabor.com or call Customer Service at 212-594-2353.

Safety Warnings

- Read through the instructions carefully, and save this manual for future reference.
- When installing this product, be sure to refer to the mounting instructions detailed in this manual; failure to abide by the mounting instructions may void the product warranty.
- It is strongly recommended that this product be installed by a qualified professional or installation contractor; Gabor takes no responsibility for any product damage or personal injury resulting from mishandling, incorrect mounting, faulty assembly, or improper use of this product.
- Do not use this product for any device other than what it is intended for; the exact specifications, size parameters, and weight limits are found in this instruction manual.
- The provided hardware is for attaching the projector mount to wood studs or to solid concrete.
- Do not exceed the maximum load capacity of 33 lb. (15 kg), as you risk personal injury or damage to your equipment.
- Failure to provide adequate structural support for this product can result in serious personal injury or damage to your equipment; it is the installer's responsibility to make sure the structure to which the product is attached can support four times the combined weight of all the equipment.
- Do not overtighten the screws or supports, as this can lead to damage.
- Do not mount this product on structures that may be affected by vibrations or noticeable impacts; do not install near a heater, fireplace, or any other source of direct heat.
- This product contains small parts which can pose a choking hazard; keep out of reach of children and pets.
- All images are for illustrative purposes only.

Overview



A 4X M2.5 × 15 mm screw (with washer)	**E** 4X M6 × 25 mm screw	**I** 2X 50 mm anchor screw (with washer)
B 4X M3 × 20 mm screw (with washer)	**F** 4X 3 mm spacer	**J** 2X Concrete Anchor
C 4X M4 × 25 mm screw	**G** 4X 4 mm spacer	**K** 1X 3 mm hex key
D 4X M5 × 25 mm screw	**H** 4X 6 mm spacer	**L** 1X 12 mm hex wrench

Tools Needed for Assembly

Wood		Concrete
✓	Stud finder	○
✓	Pencil	✓
✓	Phillips screwdriver	✓
○	Hammer	✓
✓	Drill	✓
○	5/16-inch (8 mm) concrete drill bit	✓
✓	3/16-inch (4 mm) wood bit	○

Projector Placement

Before installing the Gabor UPM-360, you will need to determine the projector's placement and identify surrounding ceiling or wall supports for attachment.

1. Measure the width at the top of your projector's screen, and locate the center. Make a mark above the center point.

2. Find your projector's throw distance (check your projector's manual). Use the throw distance measurement, and form a straight line from the mark you made in step 1. This will determine the placement of your projector.

3. To locate the mounting plate's placement, add the throw distance to the distance between the projector's lens and the projector mount's center when attached to the projector. You can easily determine this by placing the projector mount onto the housing of the projector.

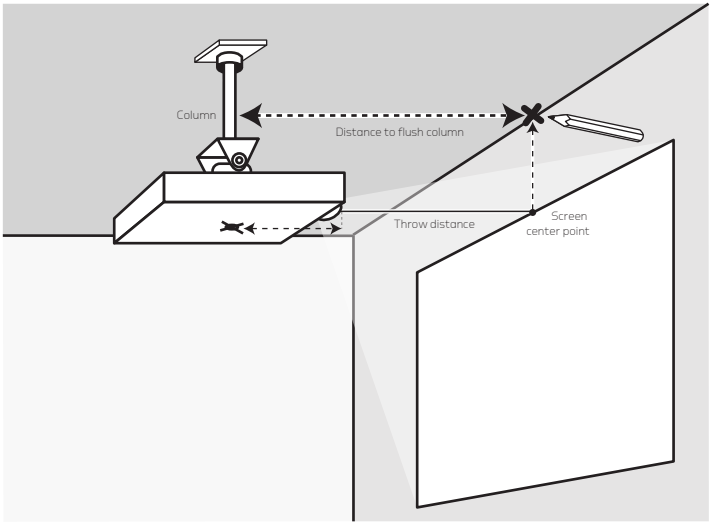


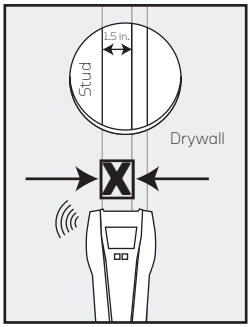
Plate Installation

The mounting plate needs to be secured to a concrete or wood studded ceiling or wall.

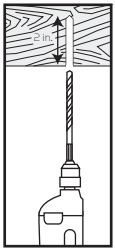
Optional: If you're running cables, such as audio, video, or low-voltage power cables, through the rotating column's cable access, you'll need to drill an extra hole in the wood or concrete support structure to fit the cables and connect them to the projector.

Wood Studs

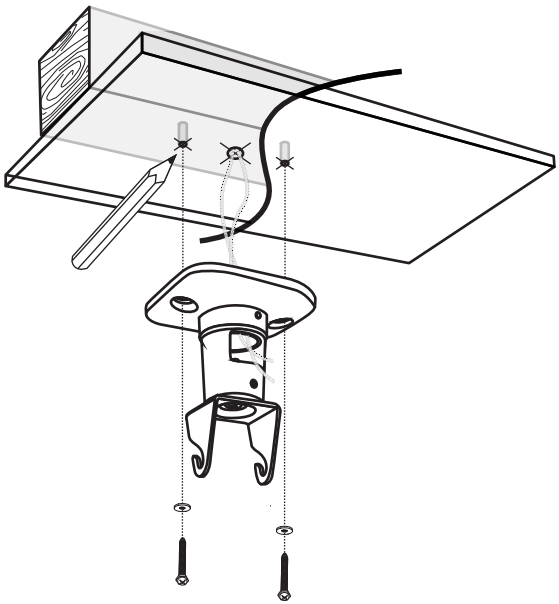
Wood studs run vertically inside the wall or across the ceiling, behind the drywall or plaster. The plate must be mounted to a wood stud, or the plate could fall out and damage the projector or cause personal harm. Make sure the studs are at least 1.5 inches (38 mm) wide..



1. Use a stud finder to locate the edges of the wooden stud.
2. Mark the centerline of the stud.
3. Place the mounting plate at the location marked for your projector, and mark the spot of the two mounting plate holes for drilling. Make sure this is on the center line of the stud.



4. Use a 3/16-inch (4 mm) wood drill bit to predrill the two marked spots for support holes 2-inches (50 mm) deep, and then clean out the debris.
5. Attach the plate by inserting the 50 mm anchor screws through the washers and mounting plate holes and screwing them into the predrilled support holes until secure.

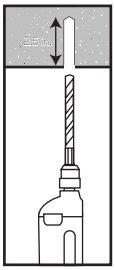


Concrete

Warning! Make sure anchors are installed into solid concrete that is at least 1.75 inches (44.5 mm) thick. If concrete exhibits cracks or other defects, this may result in failure of the concrete anchors and cause serious personal injury or equipment damage.

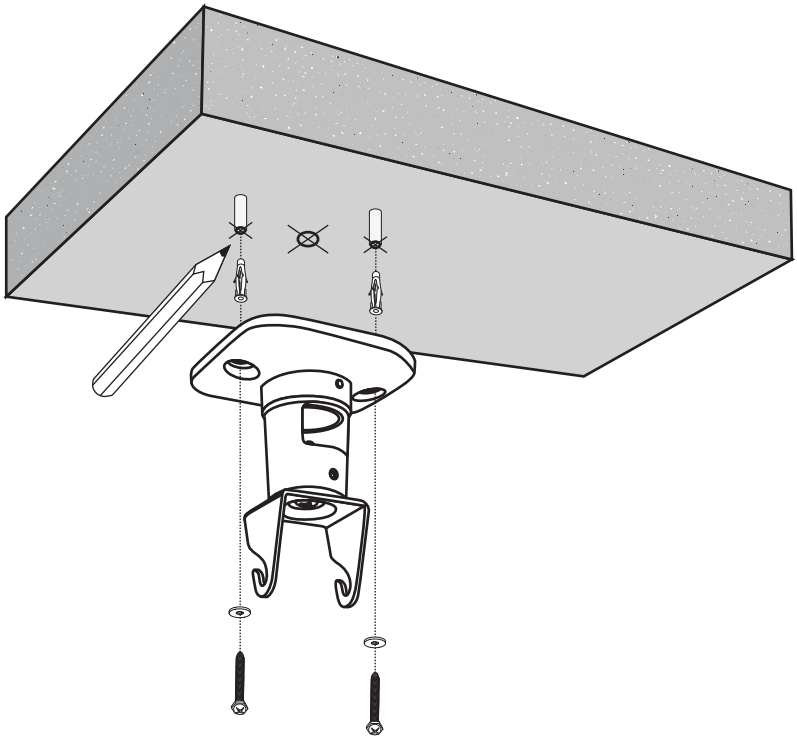
1. Place the mounting plate at the location marked for your projector, and mark the spot of the two mounting plate holes for drilling.

2. Use a 5/16-inch (8 mm) concrete drill bit to make holes 2.2-inches (55 mm) deep on the marked spots, and then clean out the debris.



3. Use a hammer to tap the concrete anchors into each hole.

4. Attach the plate by inserting the 50 mm screws through the washers and mounting plate holes and screwing them into the concrete anchors until secure.



Attaching the Projector

1. Determine which screws (M2.5 and M3 (with included washers),M4, M5, or M6) and spacers (3, 4, or 6 mm) to use with your projector.

2. Loosen the projector mount's arms with a Philips screwdriver. If your projector model has only three holes, then remove the fourth arm with the screwdriver.

3. Slide the arms along their track, and position them over the projector's mounting holes.

4. Use a Philips screwdriver to secure the mount to the projector, using the screws from step 1.

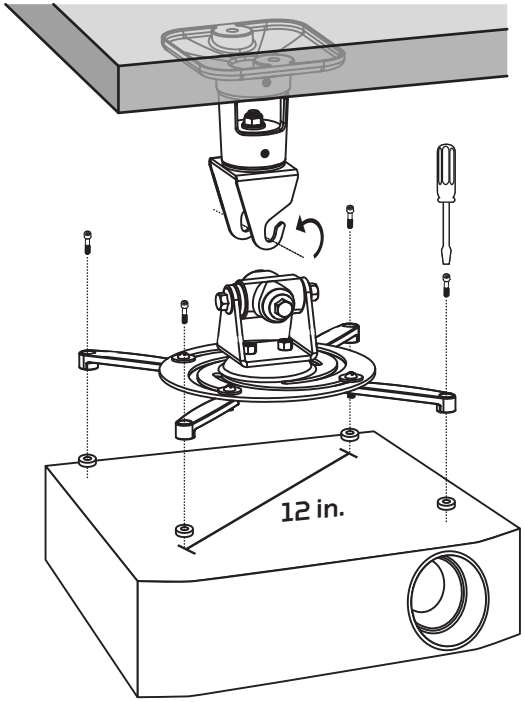
5. Make sure the weight of the projector is as evenly distributed as possible before tightening the screws of the arms along the track.

6. Hang the projector from the rotating column's hooks, and tighten the bolts with the included hex wrench to secure the projector into position.

Note: If you have a tall ceiling or need extra space away from a wall when attaching this mount, use a compatible 1.5 NPT extension column (not included).

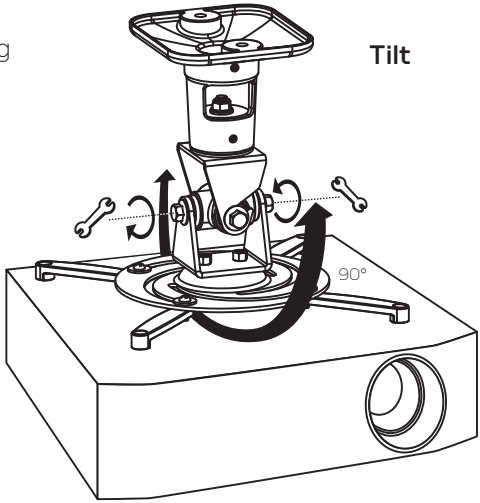
Please refer to the instructions listed in *Using a 1.5 NPT Extension Column.*

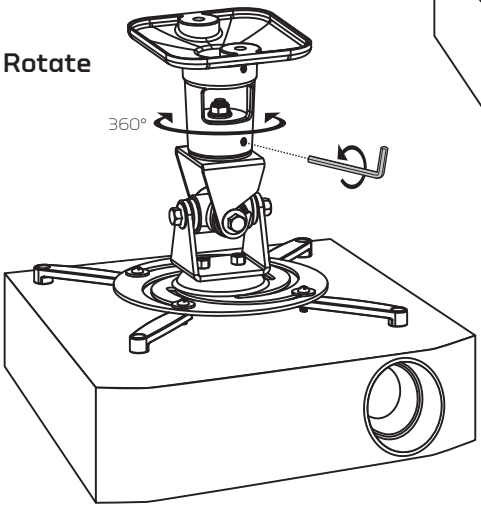
Note: The maximum mounting-hole diagonal length is 12-inches.

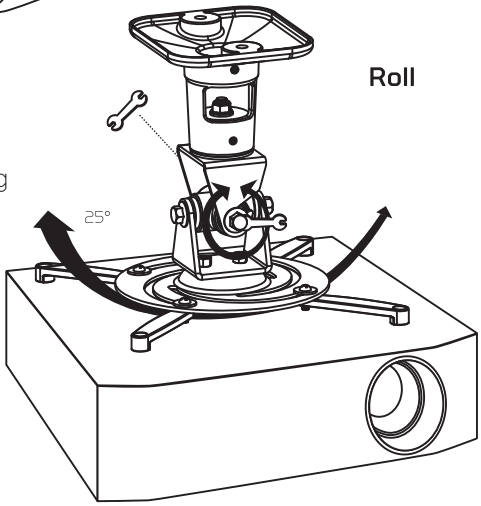


Adjusting the Projector

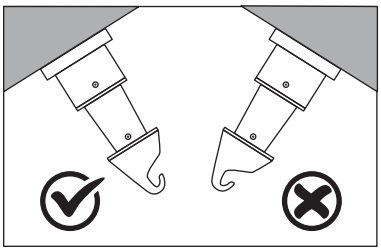
Caution: Make sure to support the projector with one hand while making any adjustments. You can adjust the projector's position up to ±90° tilt, ±25° roll, and 360° rotation.





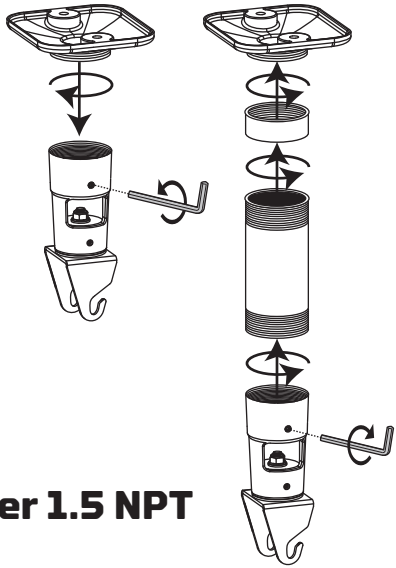


Note: When mounting to a slanted ceiling or wall, make sure the rotating column's hooks are facing upward.



Using a 1.5 NPT Extension Column

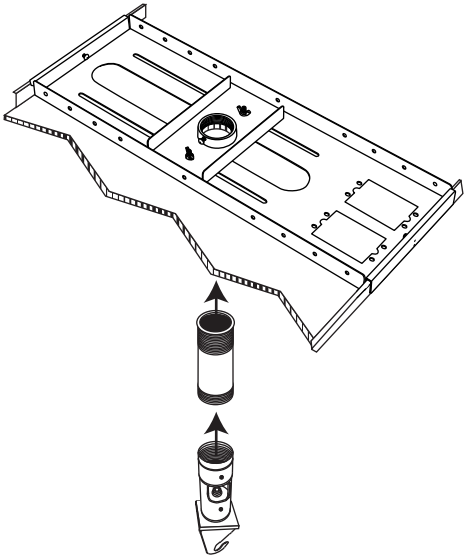
You can use a variety of extension columns (sold seperately) with the universal 1.5 NPT connection to extend or suspend your projector from taller ceilings or create adequate space away from a wall.



1. Detach the rotating column from the mounting plate .
2. Attach your extension column to the mounting plate, using a 1.5 NPT coupler (sold separately), and reattach the rotating column to the end of the extension column.
3. Hang the projector from the rotating column's hooks and tighten the bolts with the included hex wrench.

Using the UPM-360 with Other 1.5 NPT Compatible Mounting Plates

Use the UPM-360 with other 1.5 NPT compatible structural mounts or mounting plates.



1. Attach a 1.5 NPT extension column to your compatible mount, and screw the UPM-360's rotating column onto the end of the extension column.
2. Mount your projector. See *Attaching the Projector* above.

Gabor's Compatible 1.5 NPT mounting plates and extension columns available for purchase:

Extension Columns:

EC-3: 3 in.
EC-6: 6 in.
EC-9: 9 in.
EC-12: 12 in.
EC-24: 24 in.

Mounting Plates:

CP-6: 6x6 in. Fixed 1.5 NPT Mounting Plate
CP-8: 8x8 in. Fixed 1.5 NPT Mounting Plate
SCP-770: Suspended Ceiling Mounting Plate with 3-inch threaded extension column included.

Product Specifications

Maximum load capacity
33 lb. (15 kg)

Max. projector mounting hole width
12 in. (30.5 cm) diagonal

Color
Black

Tilt
±90°

Roll
±25°

Rotation
360°

Dimensions (H × W × D)
12.4 × 12.4 × 8.8 in. (31.4 × 31.4 × 22.4 cm)

Weight
3.25 lb. (1.47 kg)

One-Year Limited Warranty

This Gabor product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Gabor Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Gabor along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.madebygabor.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.

www.gradusgroup.com

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