



UPB 25 • Installation Guide

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before starting installation.

When using this accessory, basic precautions should always be followed, including the following:

WARNING: Risk of Personal Injury. Maximum projector weight for the UPB 25 is 25 lbs (11 kg).

SAVE THESE INSTRUCTIONS

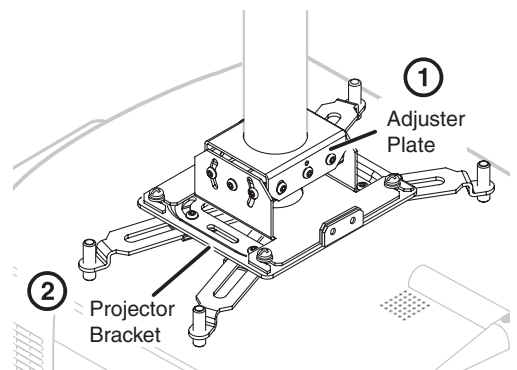
NOTE: Refer to local building standards and codes to verify that the installation will meet the regulatory requirements. Observe all local and national building and safety codes, UL requirements, and ADA accessibility guidelines.

For product specifications visit www.extron.com.

The UPB 25 is a versatile projector mount that works with most LCD/DLP projectors weighing up to 25 pounds (11 kg) and accepts a 1.5-11.5 NPT/NPS pipe. The flexibility of the UPB 25 allows for quick dismounting and remounting of the projector to the support pipe.

The UPB 25 consists of two parts: the upper Adjuster Plate ①, which mounts onto the projector pipe, and the lower Projector Bracket ② which attaches directly to the projector. An assortment of mounting hardware is included.

PROPER MOUNTING PROCEDURES MUST BE FOLLOWED.



Planning

Before starting the installation:

Check the Projector

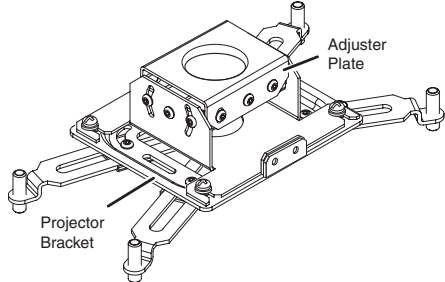
- ☐ **Weight** — The UPB 25 can mount a projector with a maximum weight of 25 pounds (11 kg).
- ☐ **Mounting point location** — Use all available mounting points (typically 3 or 4) on the projector base to securely attach the projector.
- ☐ Check the minimum and maximum **throw distance** of the projector. See the projector documentation for details.

Check the Mounting Location

It is important that you do the following:

- ☐ Check the structural ceiling to ensure that it can support a load four times the total weight of the final setup.

Included Parts

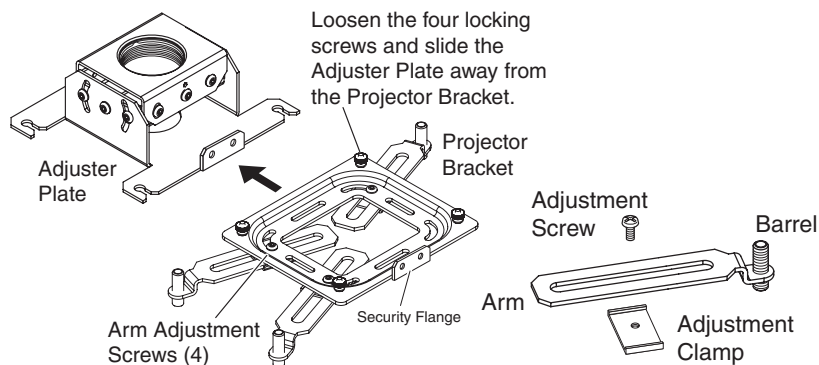
Part	Qty.	Part	Qty.
UPB 25	1	Projector Bracket	1
		Adjuster Plate	1
		Mounting Screws (4 sets, 3-6 mm)	16
		Washers (3 sets)	12
		Adjustment Screws (10-32, 3/4 inch)	4
		Hex Wrench, 3/32 inch	1

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Installing the UPB 25

Preparation

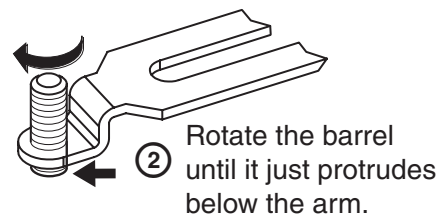
1. Separate the two main parts of the UPB 25 (see the figure at right).
2. Remove the four arm adjustment screws and clamps from the Projector Bracket and remove the arms.



Installing the Projector Bracket on the Projector

Follow the steps below to install the UPB 25. Some steps have accompanying images for clarification, with the applicable step number indicated.

1. Invert the projector on a flat surface to access the mounting points. Use a blanket or a similar item under the projector to protect the projector and the surface.
2. On each arm, **rotate the barrel** (on the end of the arm) so that it only just protrudes from the base of the arm (see the figure at right).
3. Select the correct sized mounting screws and the appropriately sized washers that fit the projector mounting point inserts.
4. To attach the arms to the projector:

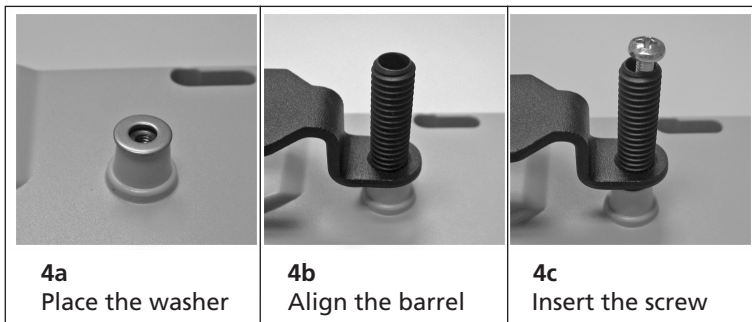


The next step (4a) is critical as it provides a flat surface for the bracket to sit on, and **must** be done for each mounting point.

- a. Place a washer on a mounting point (see the figure at right).
- b. Position the arm so the barrel is over the washer.
- c. Insert the mounting screw down through the barrel and washer, and into the threaded insert. Lightly tighten the screw by hand.

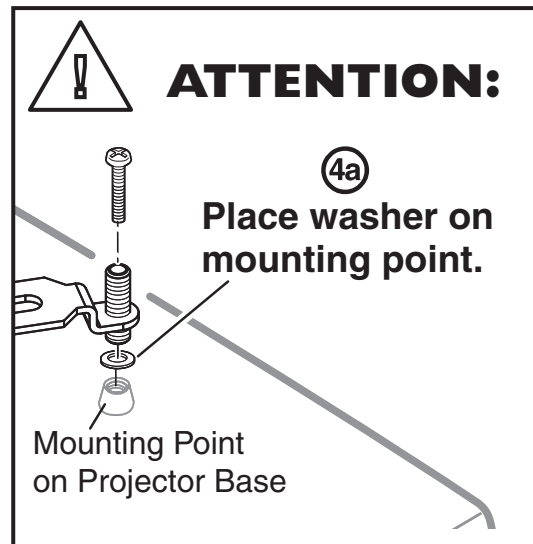
NOTE: If using the 3- or 4-millimeter screws, place an additional small washer under each screw head, on top of the barrel, as well as one on the top of the mounting point.

- d. Repeat steps 4a through 4c for all projector mounting points.

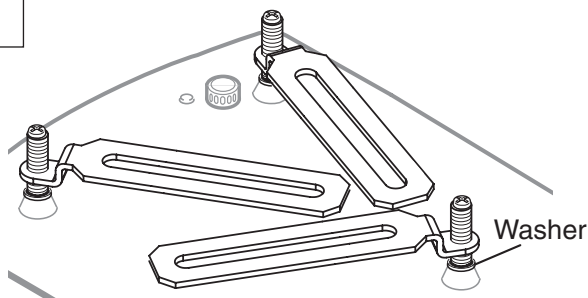


5. Pivot the arms so that they extend towards the center of the projector (see the figure at right). Adjust the arms as needed for your projector model.

ATTENTION: Potential Damage to Property. Avoid overlapping the arms where possible.



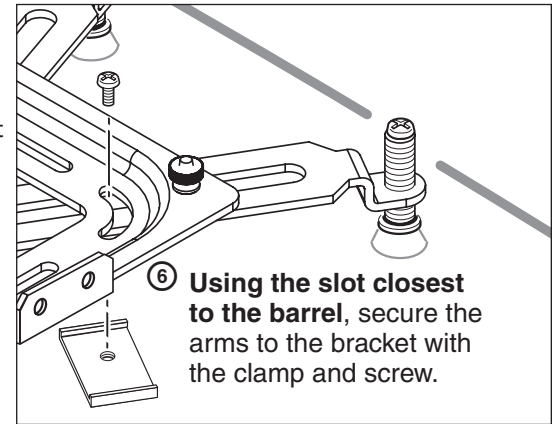
This is critical as it provides a flat surface for the bracket to sit on.



6. With the security flange towards the rear of the projector, place the Projector Bracket on top of the arms and adjust for slot alignment.

Using the slots on the bracket that are closest to the barrel on each arm, place the clamp under the arm and lightly secure it to the bracket with the adjustment screws (see the figure at right). Loosely secure all the mounted arms.

NOTE: Where arms are unavoidably crossed, replace the original adjustment screw with a supplied 10-32 ¾ inch adjustment screw and secure both arms to the bracket using one clamp. In addition, the barrels on the arms must be raised to compensate, keeping the arms level and reducing stress.

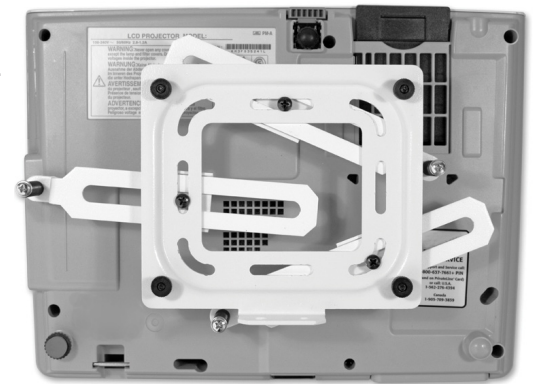


7. As close as possible, balance the weight of the projector evenly across the Projector Bracket. Adjust the bracket on the arms as needed.

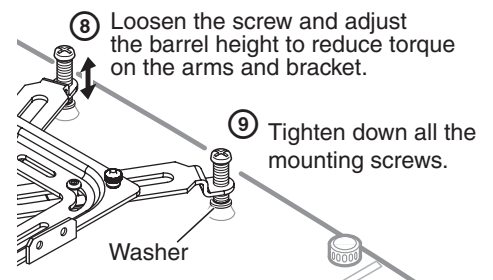
ATTENTION: Potential Damage to Property. Take into consideration the uneven weight distribution of the projector when lengthening or shortening the arms. Distribute the projector weight evenly.

Lift the bracket at opposite corners to assess if the configuration is approximately balanced.

The projector shown at right is as close as possible to being evenly balanced.



8. Check for stress on the arms. To do this loosen the mounting screws (do not remove). If the arm or the barrel lifts, this indicates stress on the arm. Adjust the height of the threaded barrels to reduce or eliminate any torque or stress that might be caused by crossed arms or by projector mounting points with differing heights. It is important to keep the arms level and as close (low) to the projector base as possible.



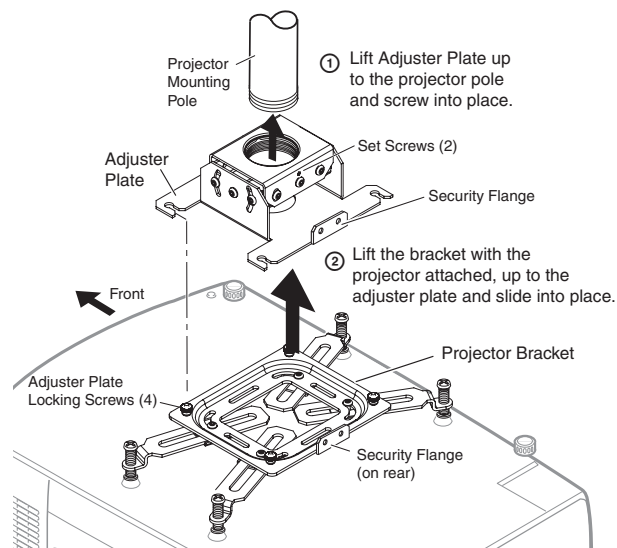
9. Check that the projector weight is still as evenly distributed as possible. Hand tighten down the screws until snug.

ATTENTION: Potential Damage to Property. Do not overtighten the mounting screws as this may damage the projector. See the projector installation manual from the manufacturer for the threaded insert torque setting

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Attaching the Bracket to the Adjuster Plate

1. Using the hex wrench, back out the set screws on the Adjuster Plate, and, keeping the plate level, screw it onto the bottom of the pole (see the figure at right). A minimum of three turns are needed to safely secure the bracket on the pole.
2. Secure the Adjuster Plate in position by tightening the set screws down.
3. Carefully lift the projector up to the Adjuster Plate and, with the security flanges at the rear, slide the Projector Bracket onto the Adjuster Plate. Tighten the four Adjuster Plate locking screws (see the figure at right).

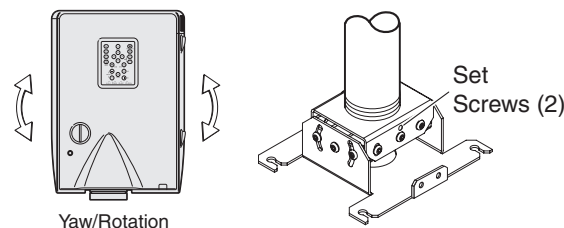


Adjusting the Projector Alignment

Adjust the rotation (yaw)

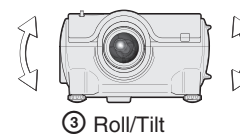
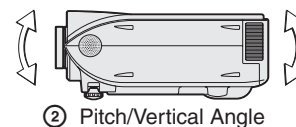
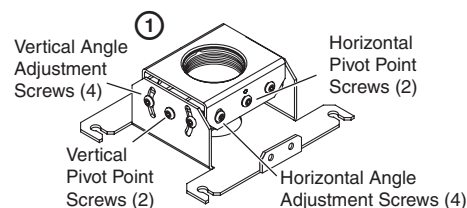
Turn the unit on the projector pole to the correct position. Secure the position by tightening the two set screws against the pole.

ATTENTION: Potential Damage to Property. Do not turn the unit all the way to the end of the pole or the projector may fall.



Adjust the vertical angle (pitch) and horizontal tilt (roll)

1. Loosen the pivot point screws, and the vertical and horizontal adjustment screws.
2. Adjust the vertical angle (pitch) of the projector to the correct alignment, then tighten down the four vertical angle adjustment screws.
3. Adjust the horizontal tilt (roll) of the projector to the correct alignment. Tighten down the four horizontal angle adjustment screws.
4. When the projector is correctly aligned, tighten down all the remaining adjustment and pivot screws.



Securing the Projector Installation

The full installation can be secured by using a padlock through the two security flanges on the rear of the Projector Bracket and Adjuster Plate.

Alternatively, you can use an Extron Security Screws Kit (part number 70-555-01, ordered separately).

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