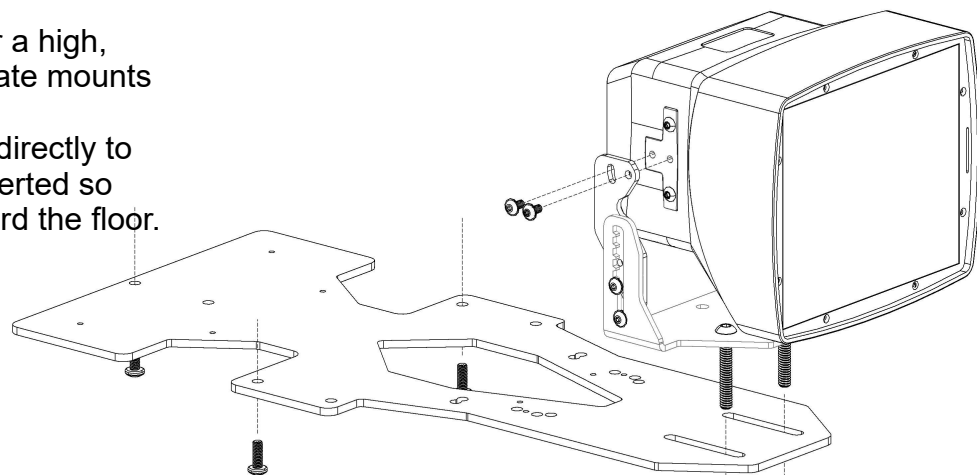


Alpha mounting configuration for a high, shelf-mounted projector. XM3 plate mounts to the ceiling mount holes in the bottom of the projector or directly to the shelf. Note the bracket is inverted so that the Panamorph logo is toward the floor.

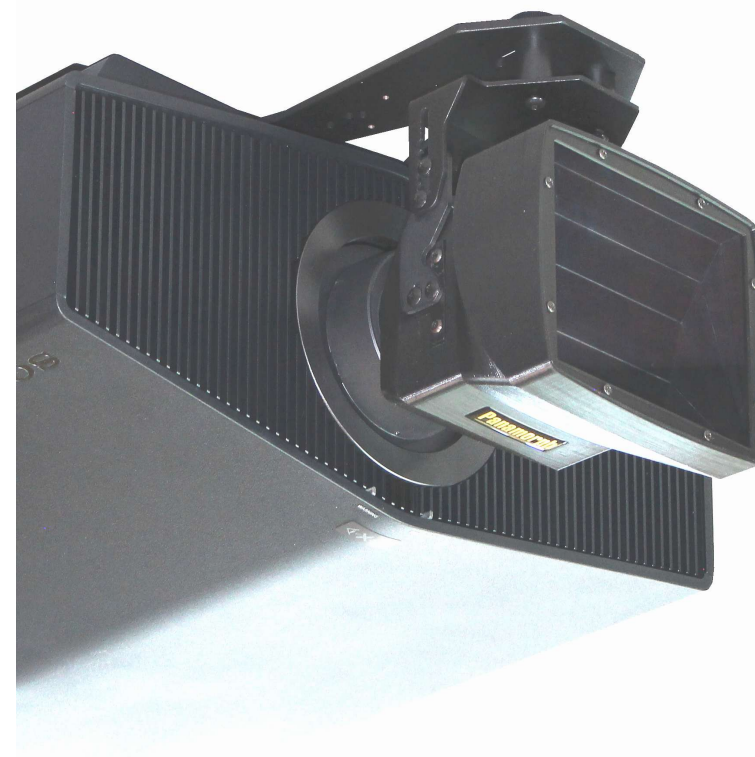


For Epson QB1000 and LS models, insert the two Plate Adapter prongs into the two holes in the front underside of the projector. This will create a stable platform for the XM3 plate while also orienting the plate properly.



CLEANING. Small amounts of dust and wipe marks are very noticeable on lens surfaces with a high brightness projection beam but typically will not impact the image as much as damage from excessive cleaning in pursuit of a "perfect" optical surface. Occasionally blowing off the lens surfaces with clean air is the best way to keep long term performance. If there is any excessive residue or build-up then it is recommended that you clean the optics with professional lens cleaning supplies such as from a camera store while the lens is in front of the lit beam of the projector. This will allow you to quickly see if the cleaning process is causing any damage.

LIMITED WARRANTY. Panamorph, Inc. warrants this product against any change in performance or functionality for a period of twenty-four months from our ship date. During this period, a unit may be repaired or replaced, at the discretion of Panamorph, Inc., by returning it in its original packaging with a copy of your receipt. This warranty does not cover damage resultant from lack of prudent care, accident or misuse (including use with other products in ways not intended); any cosmetic damage not reported within 15 days of purchase; or any performance change caused by the environment in which it is used. All damages are limited to the cost of the product.



ALPHA CDR

with XM3 Attachment Kit

Anamorphic Lens Installation Guide

Panamorph[®]
We bring cinema home

- Over 2 million more pixels on your screen for stunning detail and 30% higher brightness when showing content in the 2.4:1 format.
- Expands the image width by 14% for larger images. **Remember to factor this into your theater throw ratio calculations.**
- Sealed, precision, proprietary all-glass optical system supports distortion-free 8K projection.
- Instant aspect ratio changes. No need for lens adjustments in shift/zoom/focus.
- Optimized for vertical position of the projector in typical home theaters from -6" to +16" from screen top and +/- 4" from screen horizontal center (greater with higher throw ratios).
- Optional UltraWide 2.4:1 mode for 16:9 content to fill a cinema-format 2.4:1 screen.
- Universal ceiling- or shelf-mount attachment system for all compatible projectors. Likely compatibility with future projectors (not guaranteed, new mount may be required).
- Weight: Lens and bracket: 4.7 pounds (2.14Kg). XM3 plate: 5 pounds (1.8Kg).
- Dimensions: Lens only: 7.0" (178mm) W X 5.6" (142mm) H X 5.9" (151mm) D. Allow 6.5" (165mm) in front of the projector for mounting and adjustments.

Alpha CDR Lens Installation Steps

NOTE: Do not install lens cap while projector is on

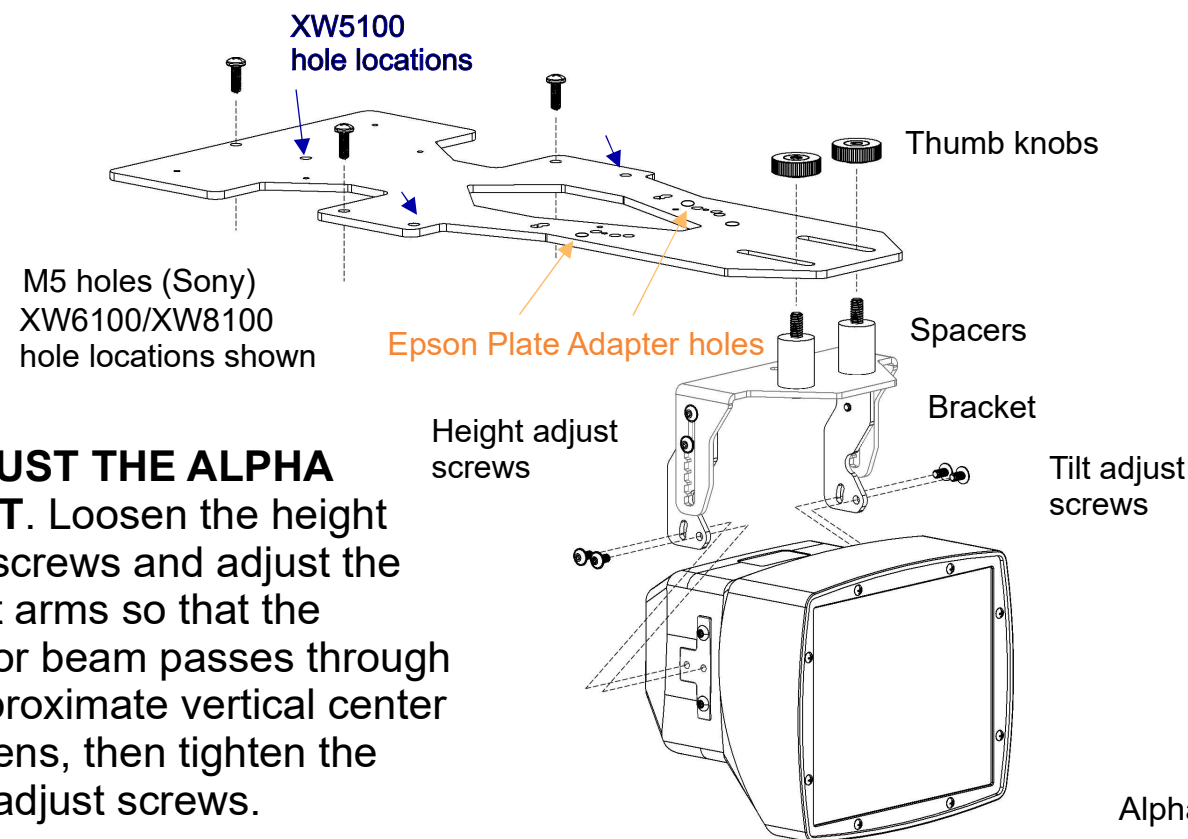
1. CEILING MOUNT. Attach the XM3 plate using provided screws through the ceiling mount holes for Sony projectors as shown below. Use longer screws as necessary for a secure installation. For Epson projectors, install the Plate Adapter into the two matching holes in the underside of the projector (see last page), then sandwich the XM3 plate between the projector and ceiling mount. Now attach the lens bracket to the Alpha as below.

2. SHELF MOUNT. Secure the XM3 to the shelf under the projector, leaving enough of the plate in front of the projector lens to mount the Alpha. Now attach the lens bracket to the Alpha as shown on the final page of this guide.

3. INSTALL THE PROJECTOR. Use horizontal lens shift to center the light beam horizontally in the projector lens. Adjust roll, tilt and yaw so the test pattern is square to and centered on the screen before installing the Alpha.

4: ATTACH THE ALPHA TO THE XM3 STEEL PLATE, push the lens back leaving a ~6mm gap to the projector lens, then tighten the thumb knobs.

5. ADJUST THE ALPHA HEIGHT. Loosen the height adjust screws and adjust the bracket arms so that the projector beam passes through the approximate vertical center of the lens, then tighten the height adjust screws.



6. FIT A 2.4:1 MOVIE TO THE SCREEN WIDTH: a) Set the projector according to the 2.4:1 settings shown below; b) play a 2.4:1 movie (no longer use the test pattern) and then c) zoom image to fill the screen width.

7. ADJUST THE IMAGE HEIGHT (if necessary). Loosen the tilt adjust screws and tilt the Alpha to move the image one way while adjusting the projector vertical shift to move the image back to screen. The change in image height will be very subtle.

8. SQUARE UP THE IMAGE TO THE SCREEN (if necessary) by raising one side of the Alpha or even by shimming the XM3 plate. If the image is "tilted" then it means the lens is not level to the projector and screen. **Finally, loosen the thumb knobs and push the Alpha back to just barely touch the projector lens.**

9. FINE TUNE COLOR CONVERGENCE (if necessary) using Panel Alignment AFTER the Alpha is installed.

10. GET FAMILIAR WITH PROJECTOR SETTINGS.



2.4:1 Movies and Streaming

Sony: Set "Anamorphic Lens" to **1.32x** and "Aspect" to **V-Stretch**.

Epson: Set "Aspect" to **Anamorphic Wide**.

If subtitles are missing, use the 2.0:1 or 16:9 content settings.



2.0:1 Streaming

Sony: Set "Anamorphic Lens" to **1.32x** and "Aspect" to **V-Stretch**.

Epson: Set "Aspect" to **Anamorphic Wide**.

Note: 8% of content is cropped at the top and bottom. If subtitles are still missing, use the 16:9 content settings.



16:9 Content

Sony: Set "Anamorphic Lens" to **1.32x** and "Aspect" to **Normal**.

Epson: Set "Aspect" to **Normal**.

Note: Content will appear 25% horizontally stretched. Optional: Set Sony "Aspect" to **Squeeze** or Epson "Aspect" to **Horiz. Squeeze** to increase black sidebars and to remove the stretched appearance.