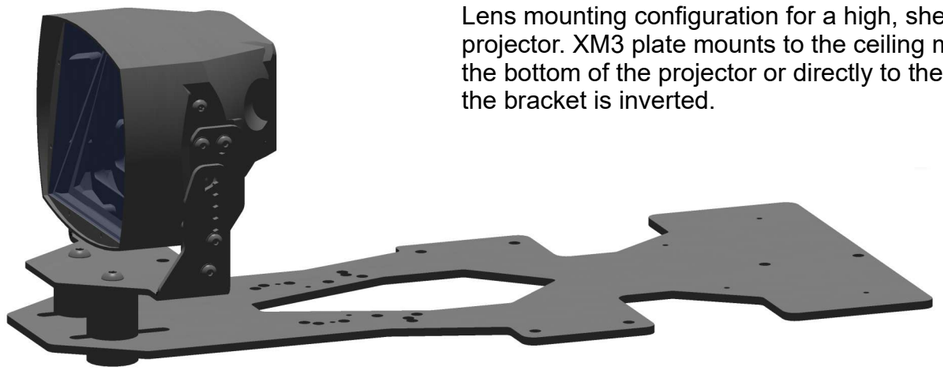


Lens mounting configuration for a high, shelf-mounted projector. XM3 plate mounts to the ceiling mount holes in the bottom of the projector or directly to the shelf. Note the bracket is inverted.

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 97%+ alcohol with “Pec-Pad” lens wipes (available on Amazon) 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.



Panamorph®

We bring cinema home

Anamorphic Lens Installation Guide

DCRG2 and CDRG2 with XM3 Kit

- 2 million more pixels on your 2.4:1 format screen for stunning detail and 30% higher brightness when showing 2.4:1 movie and streaming content.
- **Does not change the projector throw ratio. A slight barrel shaped geometric distortion will appear with the DCRG2. Greater distortion with the CDRG2 can be corrected to a rectangular image using Epson’s “Point Correction.”**
- Sealed, precision, proprietary all-glass optical system.
- 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).
- Additional projector mode fills the 2.4:1 screen with stretched 16:9 content.
- Weight: Lens and bracket: 3 pounds (1.4Kg). XM3 plate: 5 pounds (2.3Kg).
- Dimensions: Lens only: 3.7” (94mm) D X 4.3” (109mm) H X 5.4” (136mm) W. Allow 4.2” (105mm) in front of the projector lens for mounting and adjustments before obstructions in front of the anamorphic lens.

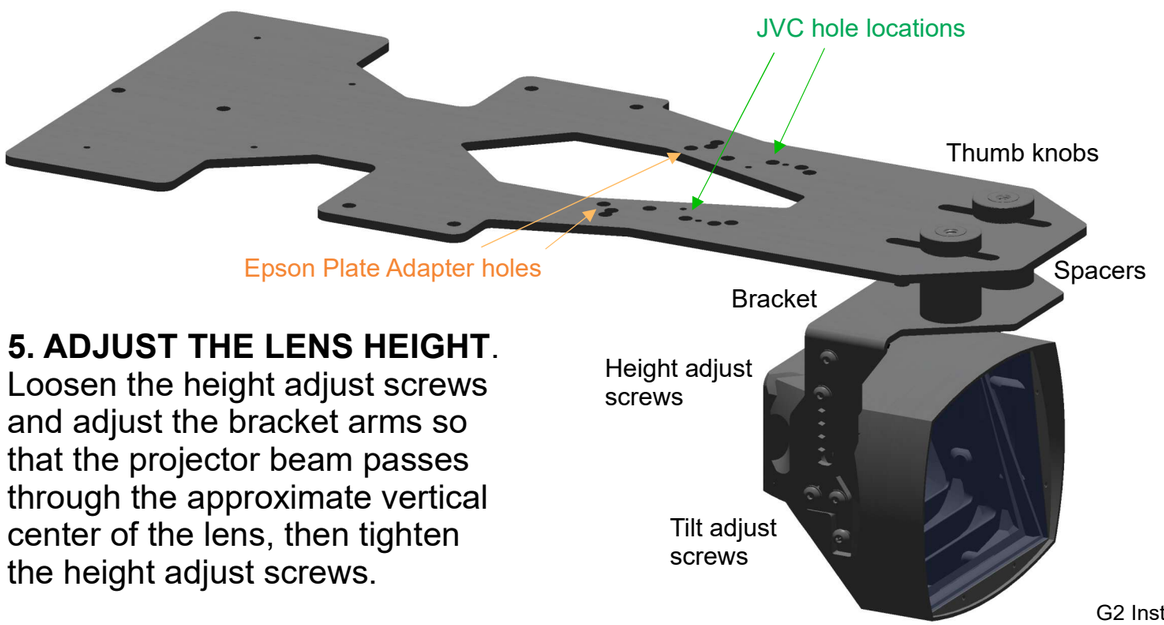
DCRG2+XM3 (JVC) and CDRG2+XM3 (Epson) Installation Steps

1. CEILING MOUNT. Attach the XM3 plate using provided screws through the ceiling mount holes for JVC 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 and secure the XM3 plate by tightening the ceiling mount screws. Now attach the lens bracket to the lens 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 lens. Now attach the lens bracket to the lens as shown on the final page of this guide.

3. PREPARE THE PROJECTOR <u>BEFORE</u> INSTALLING THE LENS. Use horizontal lens shift to center the light beam horizontally in the projector lens. Adjust roll/tilt/yaw so the image is square with the screen.

4: ATTACH THE LENS 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 LENS 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 lens 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 lens 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 lens back to just barely touch the projector lens.**

9. FINE TUNE COLOR CONVERGENCE (if necessary) using Panel Alignment (Epson) or Pixel Adjust (JVC) and apply any “Point Correction” on Epson AFTER the lens is installed.

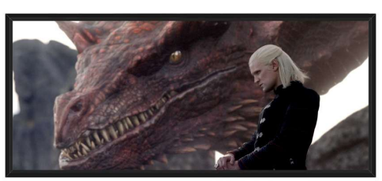


2.4:1 Movies and Streaming

JVC: Set "Anamorphic Lens" to **Anamorphic C**.

Epson: Set “Aspect” to **Anamorphic Wide**

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



2.0:1 Streaming

JVC: Set "Anamorphic Lens" to **Anamorphic C.**

Epson: Set “Aspect” to **Anamorphic Wide**

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



16:9 Content

JVC: Set "Anamorphic Lens" to **Off**.

Epson: Set **Aspect** to **Off.**

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