

CEILING OR SHELF MOUNTING. Regardless of the projector orientation the STE retainer should be installed with the prongs closer to the ceiling so the Panamorph logo is upright after installation.

ABOUT GEOMETRIC DISTORTION AND CHROMATIC ADJUSTMENTS.

Anamorphic horizontal expansion lenses create a slight “pincushion” shaped curvature especially at the edges of the image which **decreases as the projection distance is increased for a given screen size**. See the Image Geometry estimator in the Lens Selector at www.panamorph.com for the approximate distortion to expect. Masking the edges of the image by the screen border makes this distortion much less noticeable especially for dramatic content. These lenses may also reveal a slight splitting of white test pattern lines into red, green and blue components most visible at the far left and right sides. While this splitting may not be noticeable at normal viewing distances, any misconvergence can be reduced with the projector’s Pixel Adjust feature.

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. Note that the lens can be disassembled for cleaning by removing the front two screws and then carefully removing the components. However, any consequences of such disassembly is not covered by warranty or support.

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. This warranty is not transferable.

See www.panamorph.com for projector viewing mode settings with illustrations for various content.

Panamorph[®]
We bring cinema home

STE-J1

Direct Attach Cinema Format Conversion Lens

INSTALLATION GUIDE

(Phillips #2 screwdriver required)

See www.panamorph.com for JVC projector compatibility

Specifications: 6.3" (160mm) diam x 5" (127mm) depth. 2 lbs (0.9 kg). Allow 3.5" (90mm) in front of projector for installation. See back page for warranty.

IMPORTANT THEATER GUIDANCE

1. Projection screen should be in the **2.4:1** aspect ratio with a **minimum 2.5" border**.
2. Projector should be horizontally centered on the screen +/- 3 inches with minimal horizontal lens shift. Projector **vertical position** should ideally be between 3" below to 10" above the screen top for best performance. Beyond these limits may prevent the beam from passing through the lens at low throw ratios.
3. See the www.panamorph.com home page for throw distance and screen size compatibility as well as projector viewing mode settings.

STE-J1 Installation Steps

1 INSTALL THE DCR LENS RETAINER. Use projector lens shift to center the projector lens in its opening. Remove the two front Phillips assembly screws from the lens/mount assembly and remove the rear retainer (it comes loosely assembled).

Squeeze the retainer with locking tab disengaged to fit into the projector lens opening and then relax it so that it nests into the inner rim of the opening with the prongs level and closest to the ceiling. Once nested, engage the locking tab to prevent release.

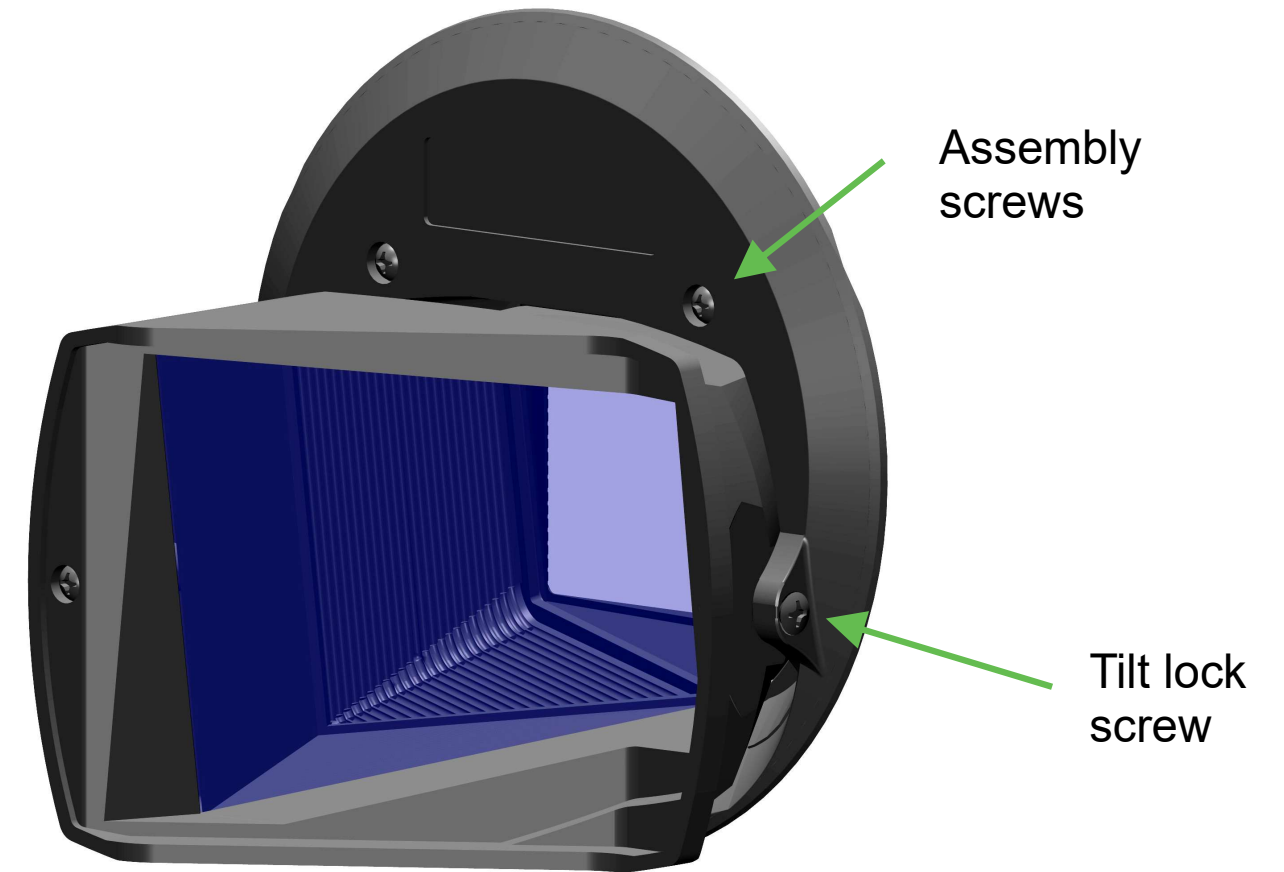


Locking Tab



2 PREPARE THE PROJECTOR. Adjust the projector roll, tilt and/or yaw so the projector test pattern lines are square to the screen edges. Now, **show a 2.4:1 movie** and set the JVC anamorphic menu setting to **Anamorphic C**. Adjust the projector zoom and vertical lens shift so the movie pattern is centered on and fits the height of the screen. Make sure the projector lens is clean and as dust free as possible.

3 INSTALL THE STE LENS. After removing the rear STE lens cover, install the STE lens/mount assembly over the retainer prongs; remove the front protective film; rotate the assembly so that any visible edges of the movie appear the same on the left and right; then insert and tighten the two assembly screws to secure (do not over tighten).



4 ADJUSTMENTS. Tilt the STE lens in its mount to make any residual image top curvature the same but opposite that at the bottom. Make final adjustments to projector zoom and vertical lens shift to produce the best fit of the image to the screen. Lock the STE lens tilt by tightening the single Phillips tilt lock screw (do not over tighten). As desired you may want to adjust the projector pixel alignment (see JVC projector instruction manual).

5 DECIDE HOW TO WATCH 16:9 CONTENT. The “classic” mode to watch 16:9 content is to set the projector anamorphic mode to **Anamorphic D**. However, **Anamorphic C**, **Anamorphic Off** or **Zoom** will better fill the full cinema format screen with 16:9 content with various tradeoffs worth exploring. Note that menus are always created in 16:9 so some type of switch from Anamorphic C will be necessary to show complete menu content.