CHRISTIE

Aligning boresight for G Series and GS Series

The boresight adjustment balances the tilt of the lens mount to compensate for screen-to-projector tilt and fix unfocused sections of the image. These instructions explain how to properly align the boresight for G Series and GS Series.

Affected products

The following products are affected:

- Christie DWX600-G
- Christie DHD600-G
- Christie DWU600-G
- Christie DWX555-GS
- Christie DHD555-GS
- Christie DWU555-GS
- Christie DHD599-GS
- Christie DWU599-GS

Tools required

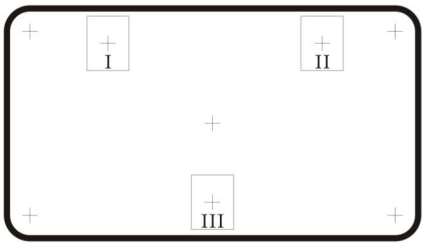
The following tools are required.

- 3/16" screwdriver

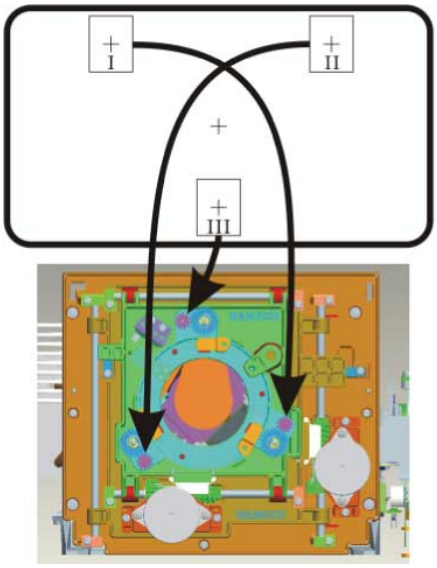
Aligning boresight

Follow these steps to align boresight to fix the unfocused sections of the image.

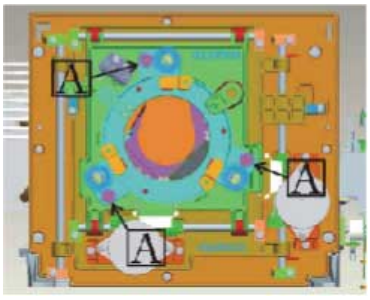
1. To display the Boresight test pattern:
   a) On the remote keypad, press **TEST**.
      You can also use the built-in keypad on the LCD display and press **Test**.
   b) To cycle to the Boresight test pattern, use the **UP ARROW** key.
   c) Press **Enter**.



2. Focus the image on the cross-hair pattern I.
3. Evaluate the focus on the cross-hair images II and III.
4. If all three images are in focus, no further action is required; otherwise, a boresight alignment is required and proceed with step 5.
5. Familiarize yourself with the adjustment screws on the lens mount that affect the corresponding cross-hairs on the test pattern.



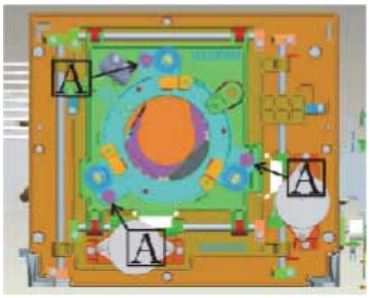
6. To fine tune the focus of cross-hair pattern I, adjust the appropriate capscrew (A on the right-side of the image below) until the cross-hair image is in focus with minimal flare.



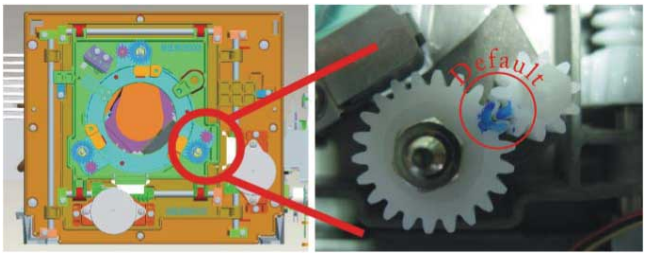
7. To fine tune the focus of cross-hair pattern II, adjust the appropriate capscrew (A on the lower left-side of the image in step 6) until the cross-hair image is in focus with minimal flare.
8. To fine tune the focus of cross-hair pattern III, adjust the appropriate capscrew (A on the upper left-side of the image in step 6) until the cross-hair image is in focus with minimal flare.
9. Repeat steps 6 to 8 as required until all three cross-hair patterns are in equal sharp focus.

- If the boresight is acceptable, adjustment is finished.
- If the boresight does not appear to be converging to an acceptable level of image quality or if the lens does not focus over the correct range of throw distances, the boresight requires coarse adjustment. Proceed to the next step.

10. To recover the original factory boresight, position the three capscrews as shown below.



The marks on the smaller and larger gears are close to each other in the factory boresight position. Adjust the three capscrews to make the marks recover to default position.



11. Repeat steps 2 to 8.

Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or Support.Americas@christiedigital.com
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
- Asia Pacific: +65 6877-8737 or Support.APAC@christiedigital.com