

# Fine tuning color with HSG Adjustment

This document provides details for configuring color settings for each projector, using the HSG Adjustment feature. HSG stands for hue, saturation, and gain.

## Affected products

The following products are affected:

Christie 4K7-HS	Christie D16WU-HS	Christie DHD850-GS
Christie 4K10-HS	Christie D20HD-HS	Christie DWU850-GS
Christie D13HD-HS	Christie D20WU-HS	Christie DHD700-GS
Christie D13WU-HS	Christie DHD630-GS	Christie DWU700-GS
Christie D13HD2-HS	Christie DWU630-GS	Christie DHD1075-GS
Christie D13WU2-HS	Christie DHD635-GS	Christie DWU1075-GS
Christie D16HS-HS	Christie DWU635-GS	

## Adjusting color settings

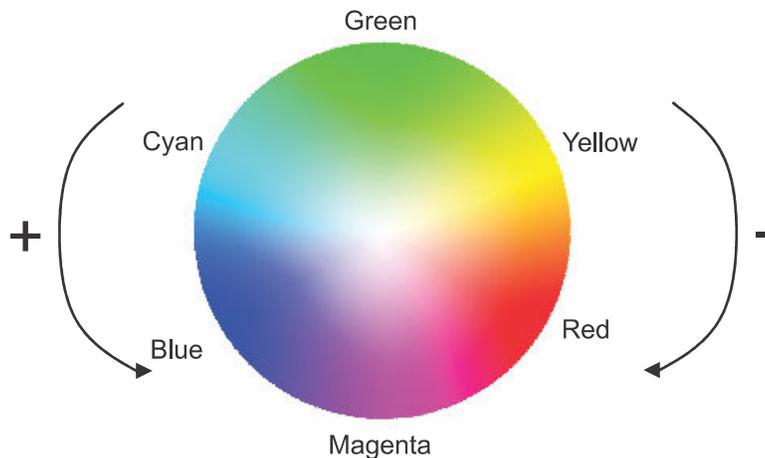
Follow these steps to adjust the color settings.

1. Display the same test pattern for each projector.
2. Ensure each projector has the same picture settings.
  - For GS Series 630/635, select **Main Menu > Picture Menu > Picture Settings**.
  - For GS Series 700/850, GS Series 1075, and HS Series D13, D16, D20, 4K7, and 4K10, select **Main Menu > Image Settings > Picture Settings**.

If blending the projectors, Christie recommends selecting **Blending** as the option.

3. Set **Main Menu > Light Source > Constant Power** to **99**.
4. Find the darkest projector and reduce the Constant Power settings on the other projectors to match the darkest projector.  
The darkest projector becomes your target projector.
5. Reset the HSG Adjustment feature to default.
  - For GS Series 630/635, select **Main Menu > Picture Menu > HSG Adjustment > Reset to Default**.
  - For HS Series D13, GS Series 700/850, and GS Series 1075, select **Main Menu > Configuration > Color Matching > HSG Adjustment > Reset to Default**.

- For HS Series D16, D20, 4K7, and 4K10, select **Main Menu > Image Settings > Color Matching > HSG Adjustment > Reset to Default.**
6. Select a target projector and from the **HSG Adjustment** menu, adjust the red color to the same color as the target projector.
    - Hue—Changes the hue of color (0 to 254). When the value decreases, the color changes in a clockwise direction on the hue color wheel. When the value increases, the color changes in a counterclockwise direction on the color wheel. The default is 127.



- Saturation—Moves from least intense (0) to most intense (254).
  - Gain—Moves from dark (0) to light (254).
7. Repeat step 6 for Green, Blue, Cyan, Magenta, and Yellow.
  8. To adjust the white gain, modify the red, green, blue ratio.
    - For GS Series 630/635, select **Main Menu > Picture Menu > HSG Adjustment > White Gain.**
    - For HS Series D13, GS Series 700/850, and GS Series 1075, select **Main Menu > Configuration > Color Matching > HSG Adjustment > White Gain.**
    - For HS Series D16, D20, 4K7, and 4K10, select **Main Menu > Image Settings > Color Matching > HSG Adjustment > White Gain.**
  9. Check the colors of each projector.
    - If the colors are not the same, repeat steps 5 to 7.
    - If the colors are the same, proceed to step 9.
  10. Display an image to check the colors on each projector.

## Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or [Support.Americas@christiedigital.com](mailto: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*