

Panasonic

CR, CX, CZ Series 2015 Models

CalMAN Setup Guide

For the Panasonic models listed above, CalMAN automatically calibrates the display's two point grayscale controls, the 10 point grayscale controls, and the CMS color gamut controls.

Also, the display's two custom picture modes, Professional 1 (ISF Day) and Professional 2 (ISF Night), can each be calibrated with individual picture menu adjustments, grayscale adjustments, and CMS adjustments.

Recommended CalMAN Version:

- Version 5.5.2 or newer.

Recommended CalMAN Workflows:

- HT Advanced, SI Advanced, or ISF Calibration workflow to optimize Picture controls and calibrate two point and 10 point grayscale RGB balance controls and CMS color gamut controls.

Required Panasonic Firmware:

- All firmware versions supported

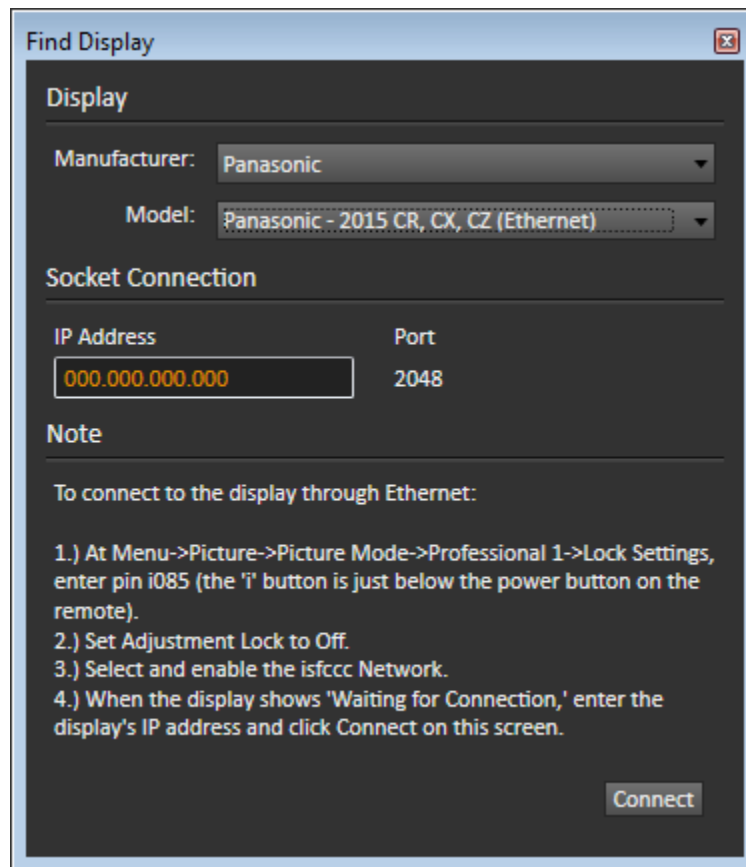
Panasonic Control Connection:

- Wireless or wired network connection

CalMAN Connection Procedure

To connect CalMAN to the Panasonic display through Ethernet:

1. On the Panasonic display, under *Network/Network Status*, note the *Network Name* to which the display is connected and note the display's *IP Address*.
2. Connect the CalMAN computer to the same network to which the display is connected.
3. On the Panasonic display, open the *Picture* menu.
 - a. Under *Picture/Picture Mode*, select *Professional 1* or *Professional 2*.
 - b. Under *Picture/Lock Settings*, select *PIN*.
 - c. Enter "i085" (the 'i' button is just below the Power button on the remote).
 - d. Under *Adjustment Lock*, select *Off*.
 - e. Arrow down to *isfcc Network* and press *OK* on the remote.
 - f. At this point, the display will read "Waiting for Connection."
4. In CalMAN, under "Find Display," select "Panasonic – 2015 CR, CX, CZ (Ethernet)."
 - a. Under *IP Address*, enter the IP Address you previously recorded.
 - b. Click *Connect* on the display connect panel.



- In CalMAN, on the *Display Control* panel, under *Display Mode Selection*, select “Pro 1 - ISF Day” or “Pro 2 - ISF Night.”

Meter Mode (Target Display Type)

CR and CX series - The Panasonic CR and CX series displays have a wide color gamut GB-r LED backlight. Select the ‘LCD (LED Blue Green DCI/P3 Gamut)’ Meter Mode for the CR and CX series.

Panasonic DDC Picture Controls:

Panasonic Picture controls are available within the CalMAN software, allowing you to make display adjustments in the software, rather than using the display’s remote control. On those calibration workflow steps where you need to make a manual display adjustment (e.g. Brightness, Contrast, etc.), you can click the Open DDC Window button on the CalMAN Display Control tab, then select Display Control to make those adjustments from the CalMAN screen.

CalMAN AutoCal™:

- To calibrate grayscale tracking and CMS on these displays, it is best to perform AutoCal on each of these three CalMAN workflow steps, in this order:
 1. Grayscale – 2pt
 2. Grayscale/Gamma
 3. CMS Calibration
- After AutoCal is complete, optimize the display's Brightness control for the local viewing conditions.

CalMAN Disconnect Procedure

To disconnect CalMAN from the Panasonic display:

- On the CalMAN Display Control tab, click Disconnect.