

1.1 GV KORONA - TWEAKING LED CALIBRATION VALUES

This section is a reference on how to use the ZCalTest LED Calibration tool. Though it is normally not used during production, it may be used to help match colors of button LEDs that are noticeably different from the norm.

1. Close the **zephyrpanel** application: In the System Bar it's the file labeled "C:\Program Files (x86)..." Click on it and close it.
2. Connect the USB stick with the calibration files to the left USB port on the panel top (closest to the display).
3. Open **File Explorer** (Start | File Explorer) and browse to the USB stick (D:\).
4. Run **ZCalTest.exe** to open the Korona CalTest application.
5. Select the panel type in the "Panel Size" section for the panel under test.
6. Set all button LEDs on the panel to white, as follows:
 - a. KOR-PNL-100-15 1ME panel
 - Select **Transition** in the "Module" section and wait for its buttons to turn on.
 - Select **EMEM** in the "Module" section and wait for its buttons to turn on.
 - Select **SS15** in the "Module" section and wait for its buttons to turn on.
 - b. KOR-PNL-200-20 2ME panel
 - Select **Transition** in the "Module" section and wait for its buttons to turn on.
 - Select **SS20** in the "Module" section and wait for its buttons to turn on.
 - Select **Stripe Number 1**
 - Select **Transition** in the "Module" section and wait for its buttons to turn on.
 - Select **EMEM** in the "Module" section and wait for its buttons to turn on.
 - Select **SS20** in the "Module" section and wait for its buttons to turn on.
7. Work with one module at a time to make adjustments to the RGB values of any buttons are off color.
 - a. Select the **stripe number** and **module** name of the module with the buttons to be adjusted.
 - b. Press **Select Buttons** in the calibration tool.
 - c. Press the button(s) that will be adjusted. Note that groups of buttons within a module can be adjusted simultaneously.
 - d. Adjust the red, green, or blue values until the selected button(s) match the others.
 - e. Press **Save** and verify the Status Out display shows "Calibration saved".
8. Repeat adjustments for the next group of buttons within the selected module.
9. Repeat the adjustments as needed for the remaining modules.
10. Select **Done** when all buttons have been adjusted.
11. Restart Windows 10.