

Programming LED Drivers for SimplySNAP color involves Programming a D4i LED driver with a color designator for each different color. The color designator is written to the CCT location in Memory Bank 1 of a D4i LED driver. Combination of colors can be defined. For instance, 2 Reds, 2 Greens, and 2 Blues can be defined. The CCT register location is address 0x21 and 0x22 in Memory Bank 1. See Table show below.

For Inventronics drivers the screen shots below show how to write to the CCT locations in Memory Bank 1. We strongly suggest writing the Model number of the luminaire in the location provided.

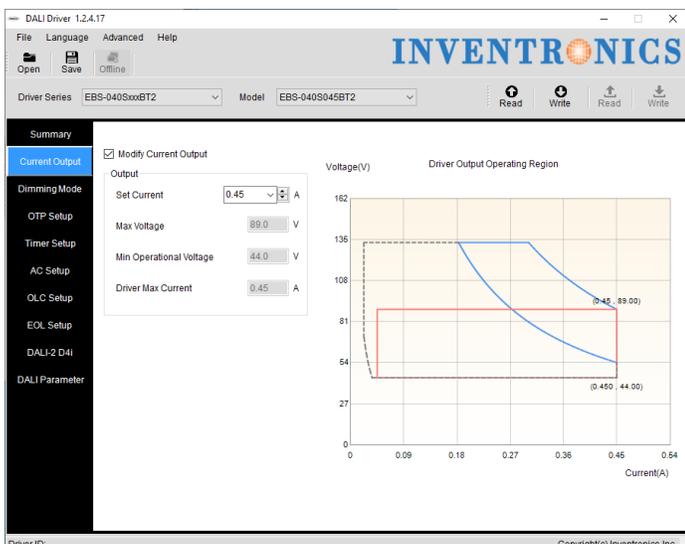
Do not click on the DALI Menu. Do not program the short address, Scene data, groups, or DALI Dimming. Do not write any data to these locations. Writing to these locations can have a negative effect on performance. Reading the short address can be beneficial. Please do not write to any of the DALI tab parameters.

## Programming Steps

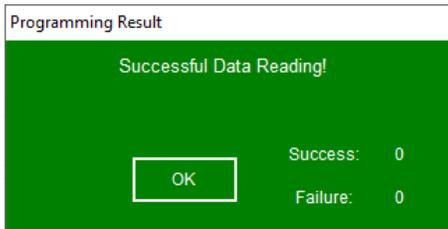
1. Program LED Drivers color designator and Product Info.
2. Label LED driver with the actual color.
3. Verify the LED Driver color designator and Product Info.
4. Connect the DIM10-087-06-A to the LED Drivers.

Color	Designator
Red	1
Green	2
Blue	3
Amber	4
White	5
XXX	1 to 5

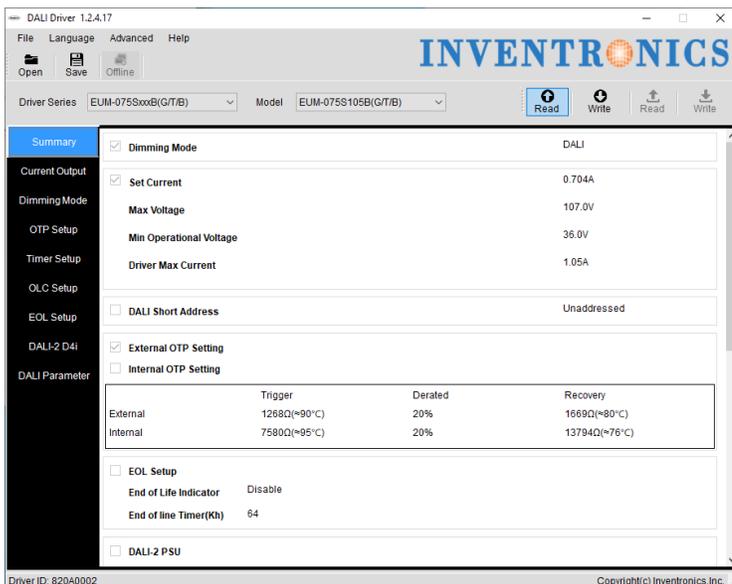
Here is the screen shot of the Inventronics Programming tool when first opened.



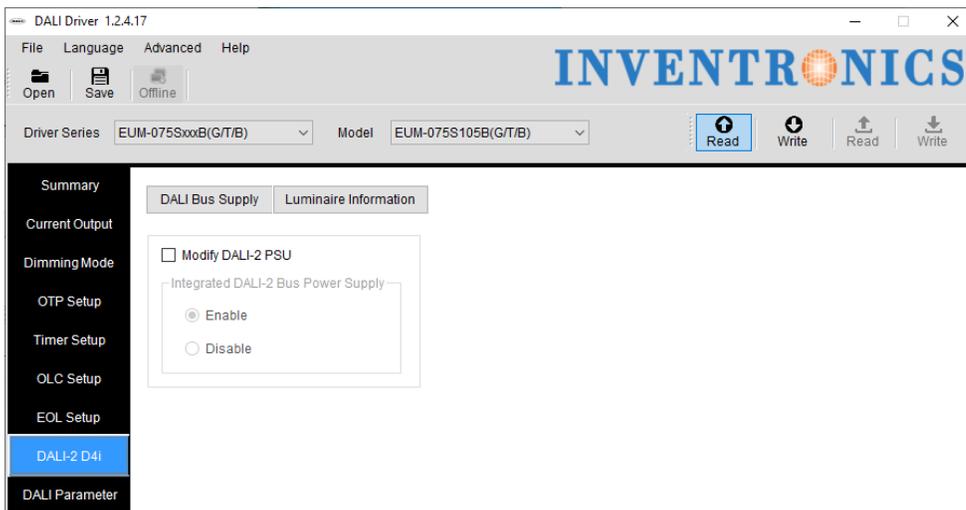
Read the driver to program via clicking the Read button under the Inventronics logo. You will see a success screen after each read and write.



Notice the Driver Series name has changed to the driver that is being programmed.

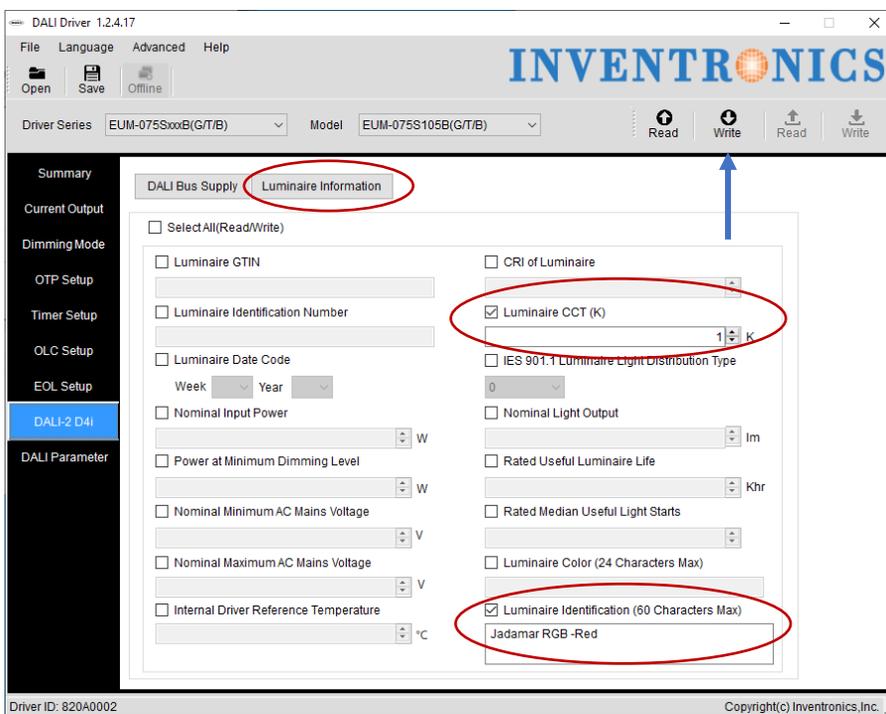


Now, click on the DALI-2 D4i tab that is highlighted on the menu down the left side of the GUI. Note the view is now different. It shows the features that can be viewed and written for D4i.



By clicking on the Luminaire Information tab, this view becomes available. Click on the check box for CCT. Enter the appropriate color designator (1-5). Click on the Luminaire Identification check box and enter the luminaire model number. Next, click on the Write button below the Inventronics Logo. Label the LED driver with a sticker for the color of the assigned driver. (Red, Green, Blue, White, and Amber). Verify the information by executing a read for the driver. If the information is correct, this driver can be used in the luminaire.

Always use a fresh DIM10-087-06 family controller when connecting to the color programmed LED drivers. The DIM10-087-06 will configure short addresses and track the colors. The flash will be hard coded for the setup. You cannot reuse this DIM10-087-06 until it has been reset for full discovery. More to come on this.



Programming another LED OEM's LED drivers will have similar GUIs. Look for Luminaire Information or Memory Bank 1 in a D4i LED driver. The field for the designator is CCT.

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