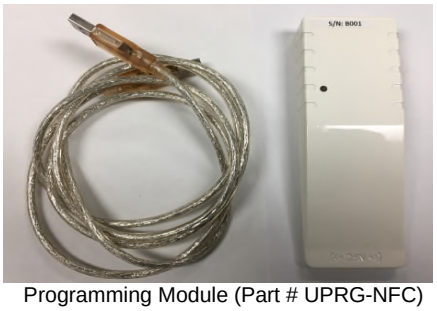
User Guide

Rev. GA3

Programming your Autec Power Systems *Near Field Communication* Programmable LED Driver (LWA or LHA Series models)

What's in the box:

- Near Field Communication Programmable LED Driver (LWA or LHA Series)
- Programming Module (Part # UPRG-NFC)
  **(Contact Autec Power Systems Customer Sales Support for programming software)
- USB cable
- Package includes: LED Driver Datasheet, User Guide, and LED Driver Catalog



Programming Module (Part # UPRG-NFC)

1.0 Setting up:

1.1 Check your email as your Autec Power Technical Sales contact will have emailed the programming software in a .zip file. If not, please email sales@autec.com or call 818-338-7788 to request it.

1.2 Using the USB cable, insert the USB cable plug into the Programming module.

1.3 Insert the other end of the USB cable into the USB port on your PC

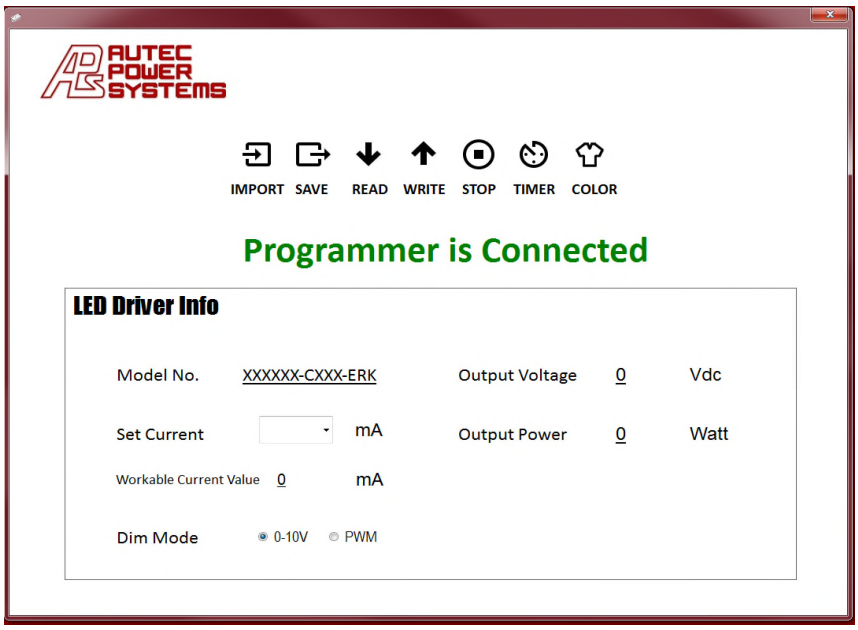
Autec Power **Near Field Communication** Programmable LED Driver Operation

Please note when performing the programming operation, the module is powered by the USB cable which is plugged into the computer which is running the programming software (AUTEC NFC Driver Set Tool V3.1.exe). **During programming the LED Driver DOES NOT require any external power source**, as the NFC protocol communication device enables programming of the LED Driver settings.

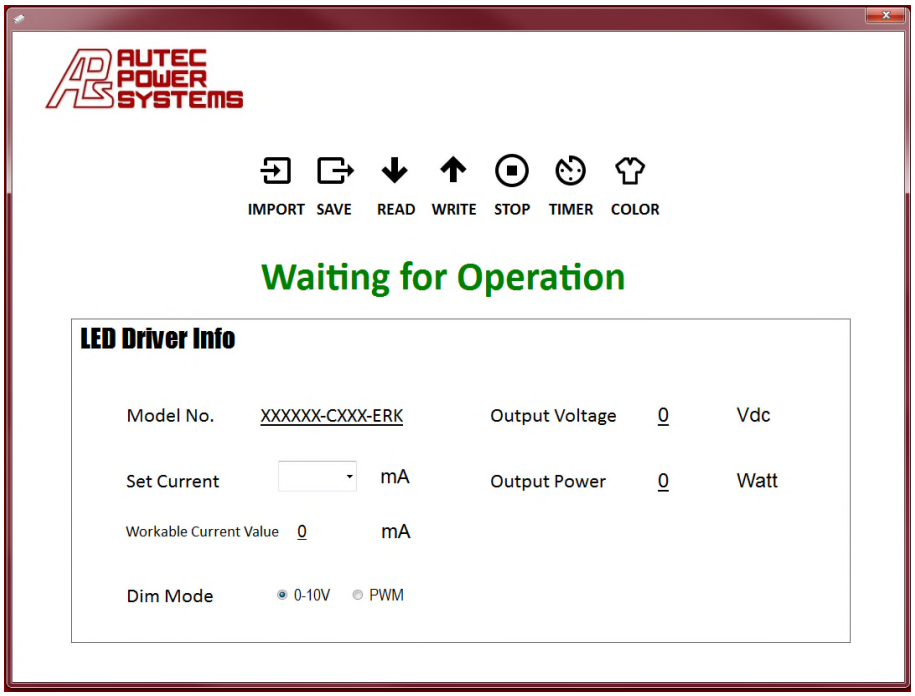
1.4 Unzip the programming software and run the file named: ***AUTEC NFC Driver Set Tool v3.1.exe***

Set up steps continued on next page…

1.5 When the programming module is plugged in and operating properly, a window will open and display the following:



1.6 If the setup is correct, you will see the screen above and message and you are ready to proceed with READing the LED Driver. If you do not get this message, please close the application (close the screen window), unplug the USB cables from the PC and the module, wait 10 seconds and then reconnect the cable to the PC and module and launch the software program.

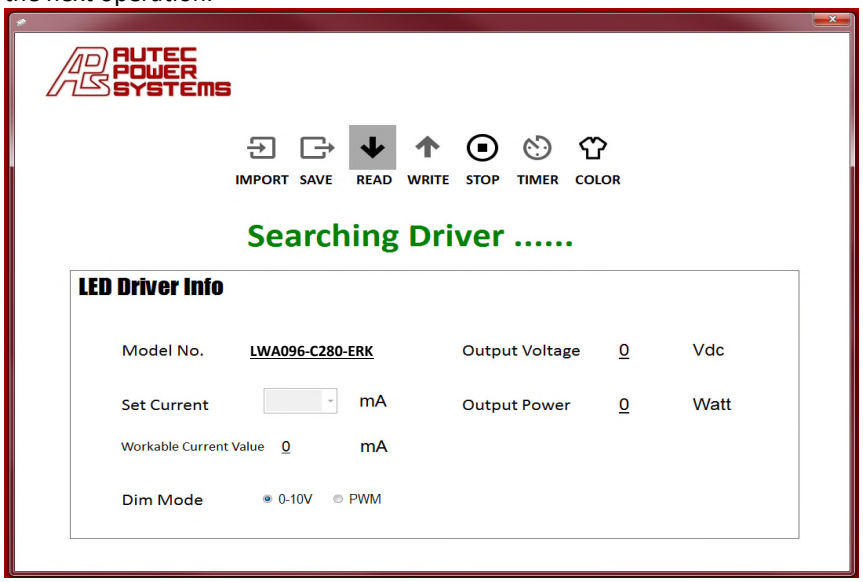


Steps continued on next page…

2.0 Near Field Communication Programming Functions you can perform

From this HOME screen, you can proceed with the following programmable features:

a. READ the LED Driver (to determine the model # you have received)
b. SET and WRITE desired Output Current in mA (See model datasheet for programmable range)
c. SELECT and WRITE the desired Dim Mode (0-10V or PWM)
d. Chooser TIMER and set the TIMER DIMMING
e. Click TIMER button to TOGGLE between the LED DRIVER INFO page and TIMER DIMMING page
f. Reminder: Press STOP after completing selected operations (i.e. READ/WRITE) in order to perform the next operation.



3.0 To READ and/or WRITE to the LED Driver

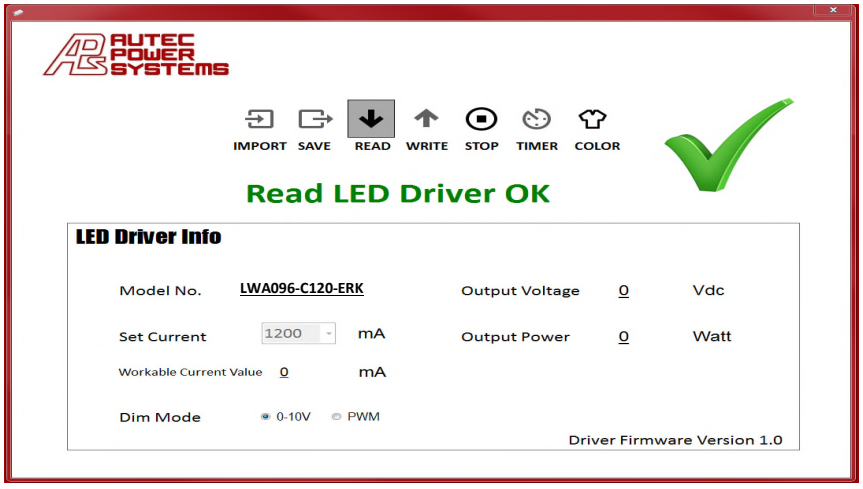
a. Place the LED Driver on its side (lengthwise with label facing towards you) so that the interface chip on the side shows on top right end. Place the Programming module near the interface chip (See image below).

b. Using the software loaded on your PC, select READ. Then, using the Programming module "gently tap" the tapered tip of the Programmer module on the interface chip on the LED Driver. You may need to repeat this step a couple times in succession to develop the technique for successfully reading the LED Driver that you are working with.

Steps continued on next page…

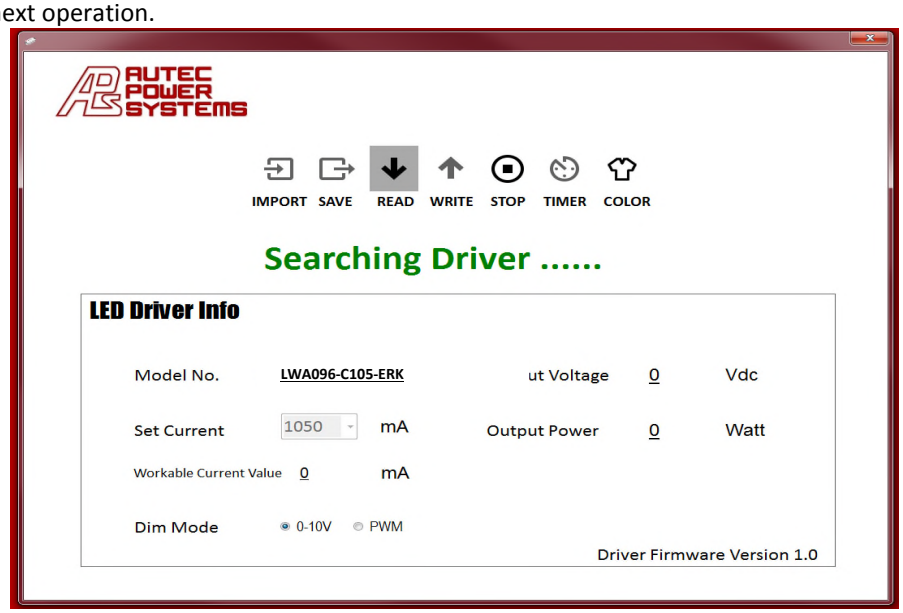
c. Also, please note that you will **REPEAT THE "GENTLE TAP" STEP EACH TIME YOU READ or WRITE a new setting** to the LED Driver.

d. When READ is successful, the Model No. which displays within the software window will accurately match the Model No. of the LED Driver that you are working with. If you get an error, please close the software and launch it again. Be sure that you have only one (1) window open displaying the Near Field Communication Programming software. Close any other "open" windows of the programming software.



From this home screen, you can proceed with other programmable features:

a. SET and WRITE desired Output Current in mA (See model datasheet for programmable range)
b. SELECT and WRITE the desired Dim Mode (0-10V or PWM)
c. Chooser TIMER and set the TIMER DIMMING
d. Click TIMER button to TOGGLE between the LED DRIVER INFO page and TIMER DIMMING page
e. **REPEAT THE "GENTLE TAP" STEP EACH TIME YOU READ or WRITE a new setting** to the LED Driver.
f. Reminder: Press STOP after completing selected operations (i.e. READ/WRITE) in order to perform the next operation.

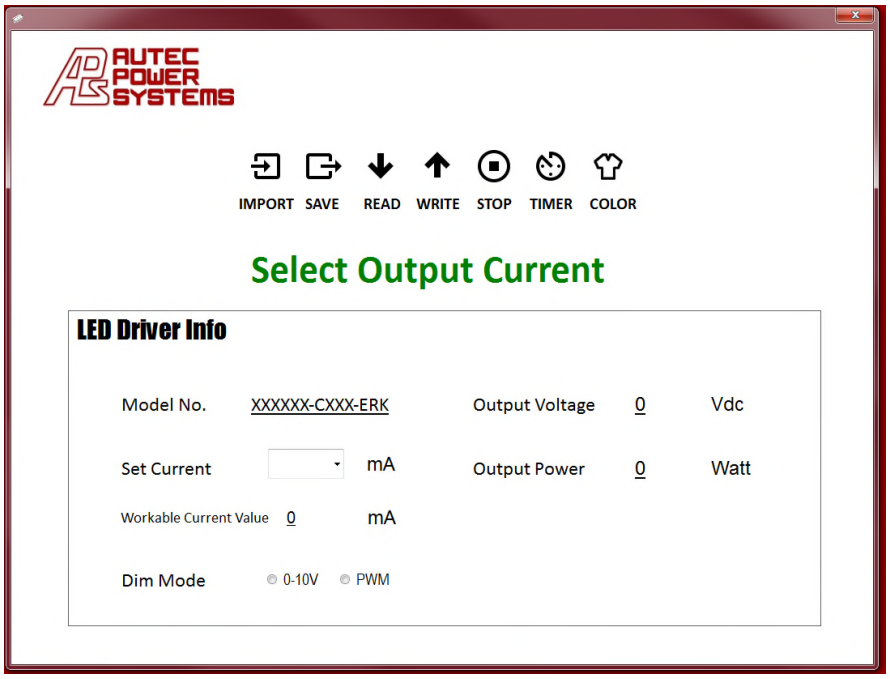


Steps continued on next page…

REMINDER: Press STOP after completing selected operations (i.e. READ/WRITE) in order to perform the next operation.

4.0 SET and WRITE desired Output Current in mA (See model datasheet for programmable range)

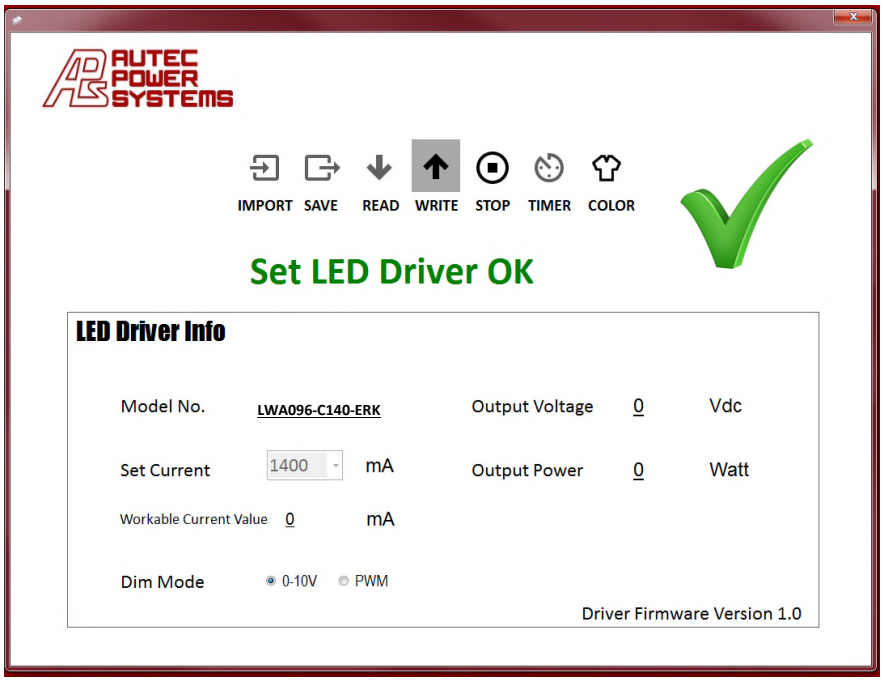
When setting desired Output Current, please note that Output Voltage (Vdc) and Output Power (Watt) will automatically adjust to correspond with programmed Output Current value.



a. Refer to the datasheet for the correct LED Driver model to determine the possible Output Current settable options
b. Once you have typed in the desired Output Current into the SET Current field, using the Programming module, select WRITE and **"gently tap" the tip of the Programmer module on the interface chip on the LED Driver to WRITE the new desired Output Current.** (See image below)

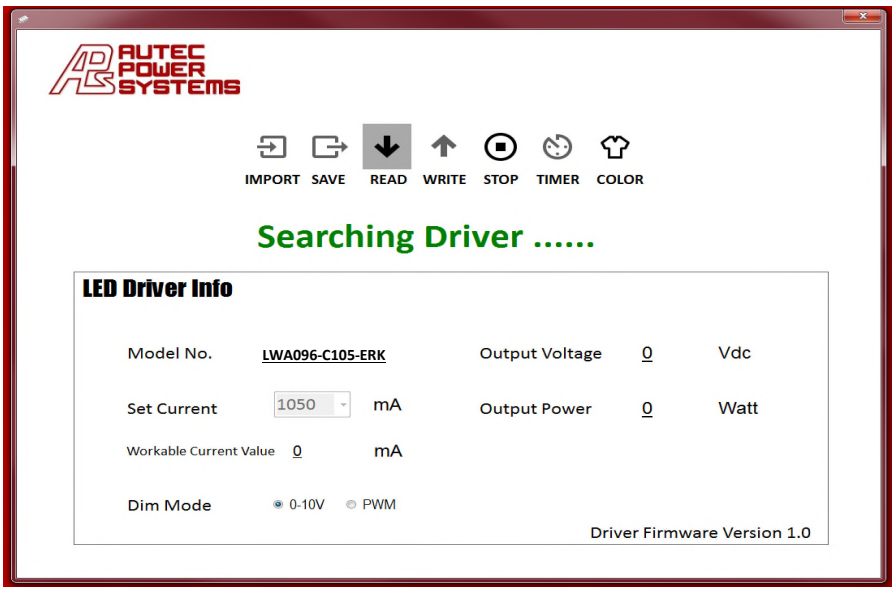
Steps continued on next page…

c. When WRITE is successful, the software window state ***Set LED Driver OK*** and will accurately display the new Output Current that you just programmed. (See image below.)



d. You can verify the programming you just set by performing a READ of the LED Driver as explained in Section 3.0

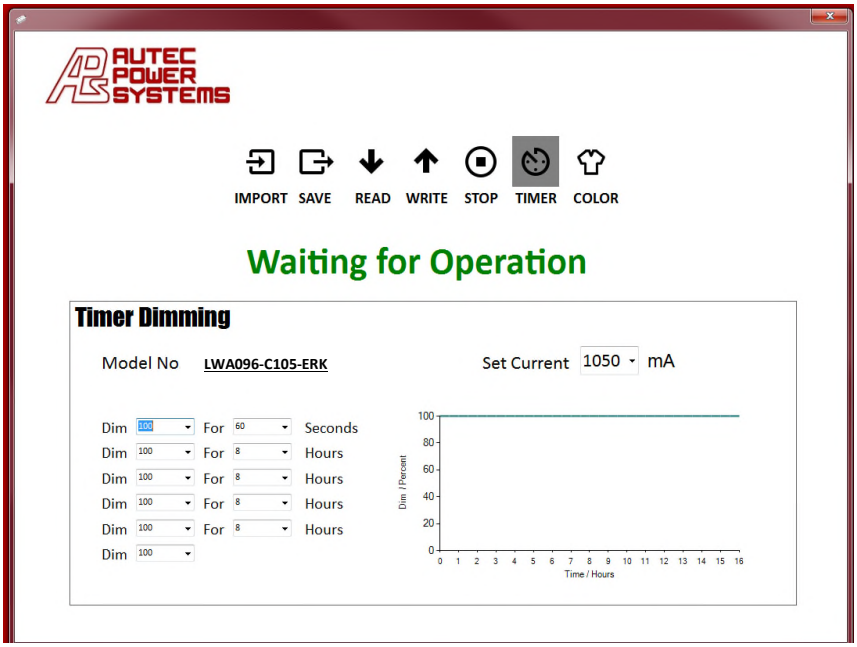
5.0 SELECT and WRITE the desired Dim Mode (0-10V or PWM)



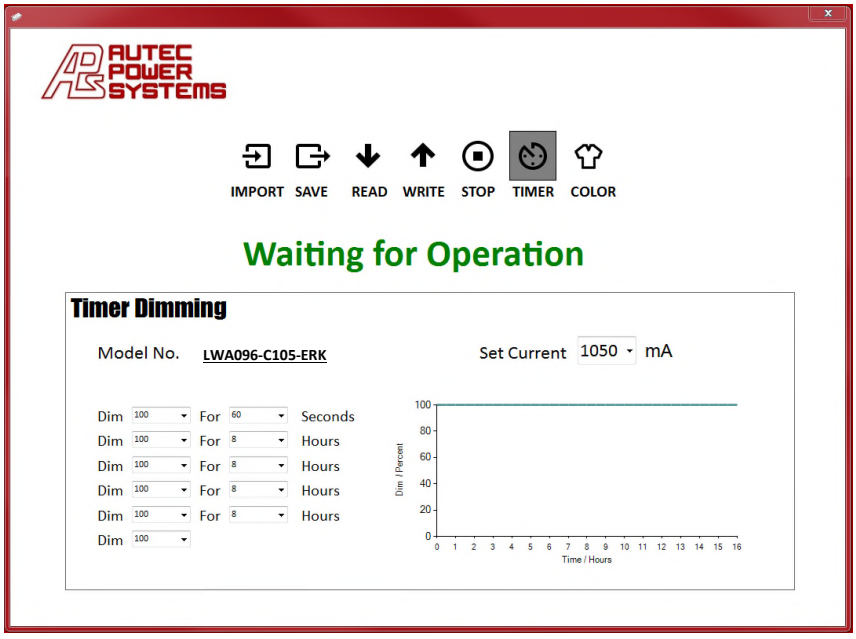
Steps continued on next page…

6.0 Select TIMER and set the TIMER DIMMING

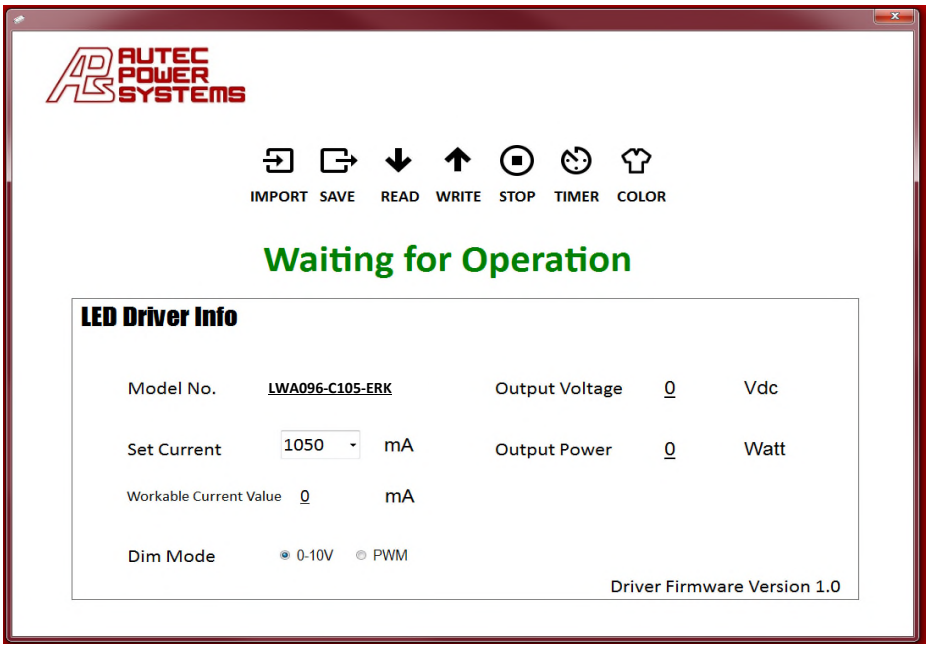
Reminder: REPEAT THE "GENTLE TAP" STEP EACH TIME YOU READ or WRITE a new setting to the LED Driver.



7.0 Click TIMER button to TOGGLE between the LED DRIVER INFO page and TIMER DIMMING page



OR - Toggle TIMER Button again to see LED DRIVER INFO screen:



8.0 From this home screen, you can SAVE/EXPORT/IMPORT your configured programmable settings for future convenience and use.

a. Simply click SAVE to export the file and save on your PC.
b. When you want to use the same settings again for programming additional LED Drivers, simply click IMPORT to load" the previous settings. You can use this for most of the various Autec Power Programmable LED Driver models that you use.

For updated versions of this USER GUIDE please contact Customer Sales Support at sales@autec.com