MAGTECH
The Power To Drive Innovations

Project Name:	
Type:	

MCA Technical Information

DIMMING SOFTWARE FUNCTION INSTRUCTION

- **Communication Setup**

Click "Connect" to set up the link between the computer and the USB dongle.

- **Driver Identification**

Click "Read" to identify the driver, then fill in the part number and max current automatically.

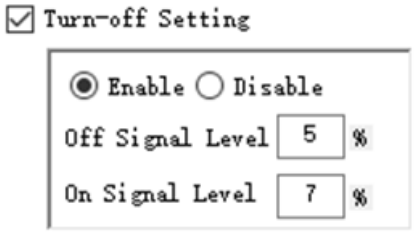
- **Adjustable Output Current (AOC)**

Click ON "☑" to activate the output current configuration, I. Max(Spec) is filled in automatically during identify driver, I. Set can be filled in any value lower than I. Max(spec).

- **Dimming Selection and Setting**

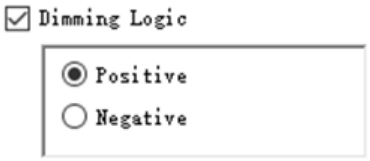
Click ON "☑" to activate the dimming selection and setting, or else no update during current setting. Choose one of the control method listed below to go with, then the related setting interface will appear.

- **Turn-Off signal setting**



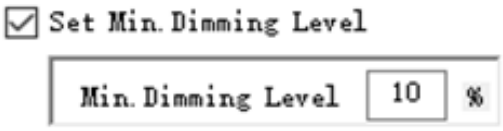
Click ON "☑" to active the turn-off function configuration. Choose "enable" or "disable", and set the turn on and off dimming signal when "enable" selected. In turn off status, the driver will output minimum output voltage, please make sure the LED lamp can be turned off when applied with this level voltage.

- **Dimming Logic**



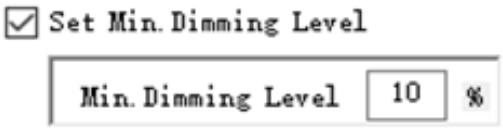
Click ON "☑" to activate the dimming logic configuration, default setting is "Positive" logic, it means the output current will increase with the dimming signal level up; and "Negative" logic will decrease the output current with dimming signal level up.

- **Set Minimum Dimming Level**



Set the minimum dimming output current, default setting is 10%

- **Set Minimum Dimming Level**



Set the minimum dimming output current, default setting is 10%

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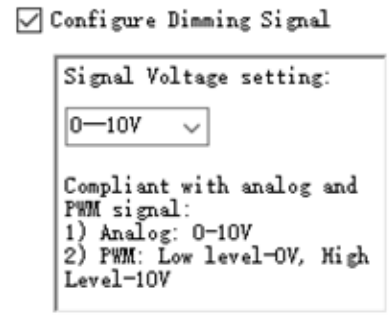
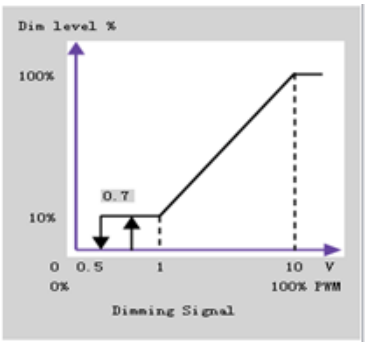
DIMMING SOFTWARE FUNCTION INSTRUCTION

- **Dimming Signal Configuration**





Click ON "☑" to activate dimming signal configuration, the dimming signal can be analog or PWM signal, here to set the value of the high level of these two signals, the setting can be:

0-3.3V, 0-5V, 0-9V, 0-10V

For example, if 0-10V is selected, the dimming signal will be:
1.) Analog: 0-10V.
2.) PWM: Low level-0V, High Level-10V.

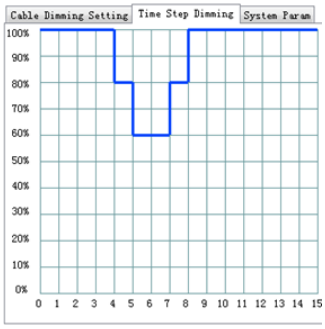
This graph presents how the output current will react to the dimming signal, including analog and PWM dimming signal.

- **Configure Time Step Dimming (TSD)**

Click ON "☑ " to activate Time Step Dimming configuration

Step(0): Setting the fading time of soft start, maximum value can be 10 seconds.

Step (1)-(7): Maximum time step number is 7, and the output current can be set according to the customer requirements to save energy.



The graph presents how the output current will react to the setting of time step dimming.

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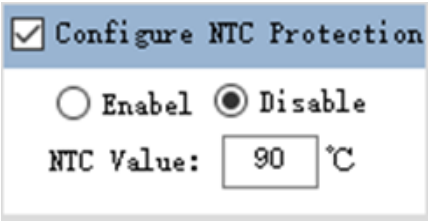
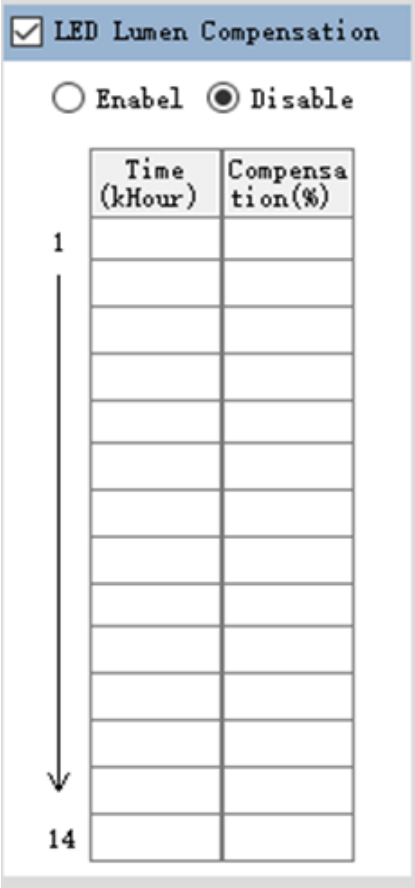
- **Configure NTC Protection**



Click ON " ☑ " to activate NTC configuration Choose "enable" or "disable", and set NTC value when "enable" selected.

- **LED Lumen Compensation (LLC)**



Click ON " ☑" to activate NTC configuration Choose "enable" or "disable", and set Time VS Compensation value when "enable" selected.

The compensation can be set for maximum 14 periods, "Time" Colum define the working hours for the defined "Compensation" ratio. For example, if "compensation" is set to 1%, and the corresponding "Time" is set to 10, that means the output current will be set to 101% of rated current for 10K hours at this interval.

- **Program**

Click "Program" button to burn the setting into drivers.