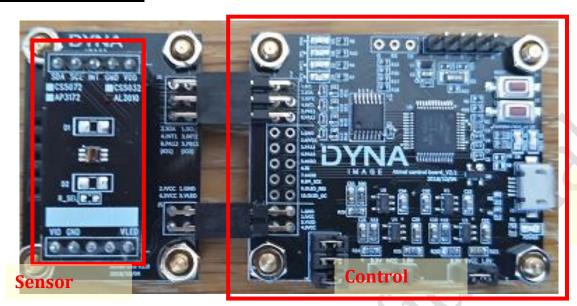


AL3010 Demo Program User Guide

VERSION	DATE	CONTENT	AUTHOR
1.0	2021/10/19	Document creation	Brian Chiu



Hardware Setup



Micro USB Connector

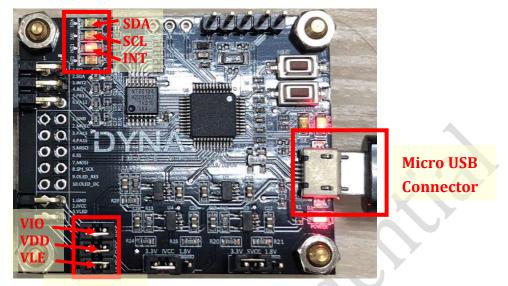
Sensor Board

SDA SCL INT GND VDD





Control Board



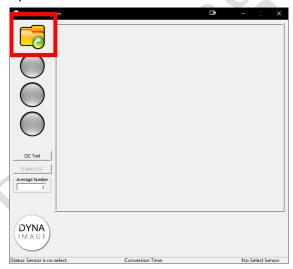
Power

Software Setup

1. Open DI_Demo_Program.exe

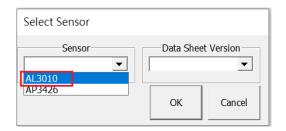


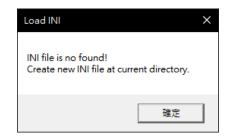
2. Open sensor selects windows



3. Select AL3010, then press OK. If it's your first use, you will get a "Load INI" message and then press OK.





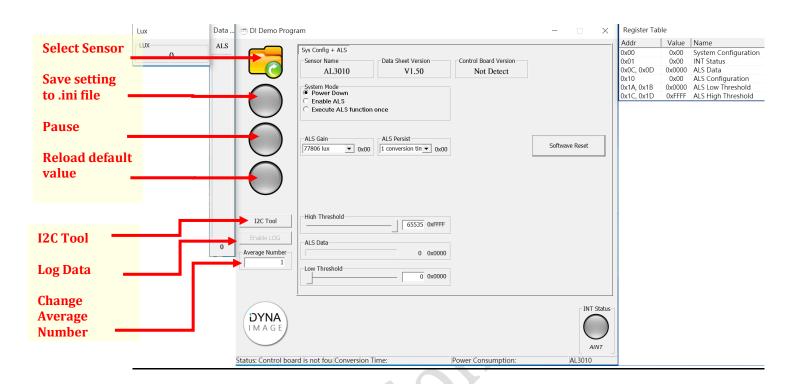


4. After first use, select Data Sheet Version-1.5.0 when you load AL3010_v1.50.ini file

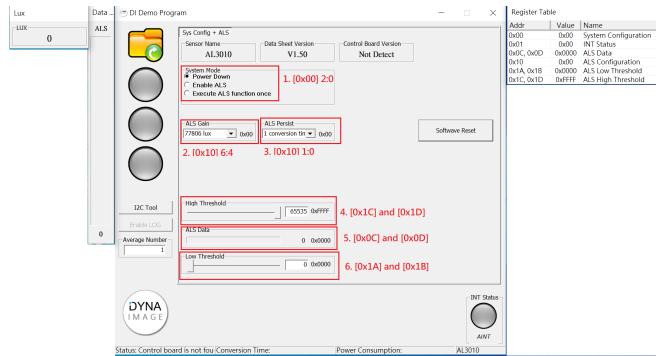




The user interface of Sys Config Tab is shown as follow:







The user interface of Sys Config+ALS Tab is shown as follow:

- 1. System Mode: User can select the three kinds of mode as Power Down, Enable ALS and Execute ALS function once from Register 0x00.
- 2. ALS Gain: User can set ALS Gain value from the Bit 6:4 of Register 0x10.
- 3. ALS Persist: User can set its conversion time from the Bit 1:0 of Register 0x10.
- 4. ALS High Threshold: Set the interrupt of Threshold when ALS Data value is higher than Threshold from Register 0x1C and 0x1D.
- 5. ALS Data: Display the actual ADC value from Register 0x0C and 0x0D.
- 6. ALS Low Threshold: Set the interrupt of Threshold when ALS Data value is lower than Threshold from Register 0x1A and 0x1B.

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