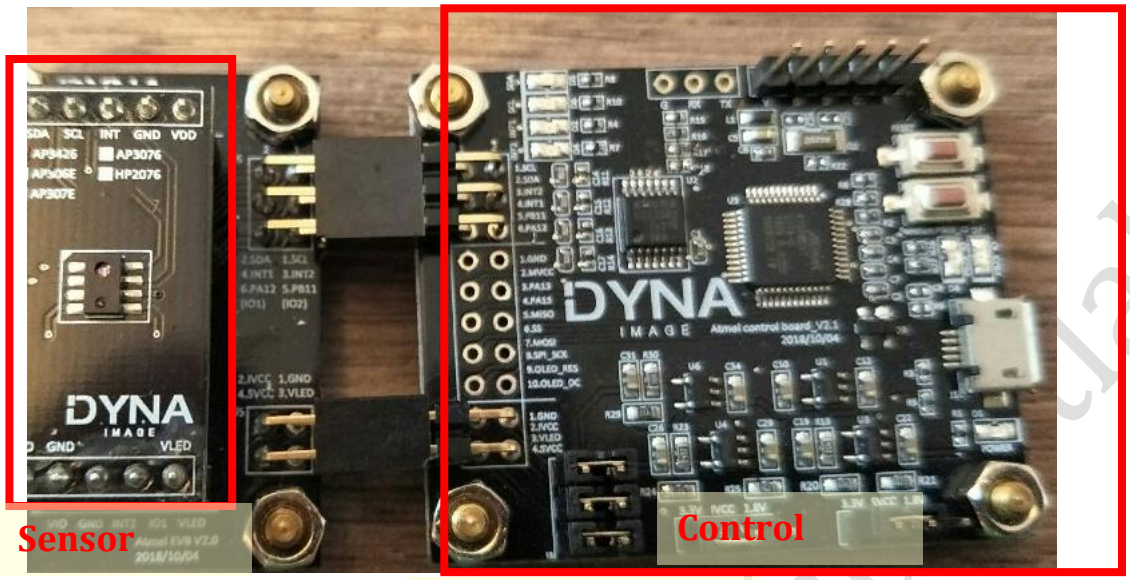
AP3426
Demo Program User Guide

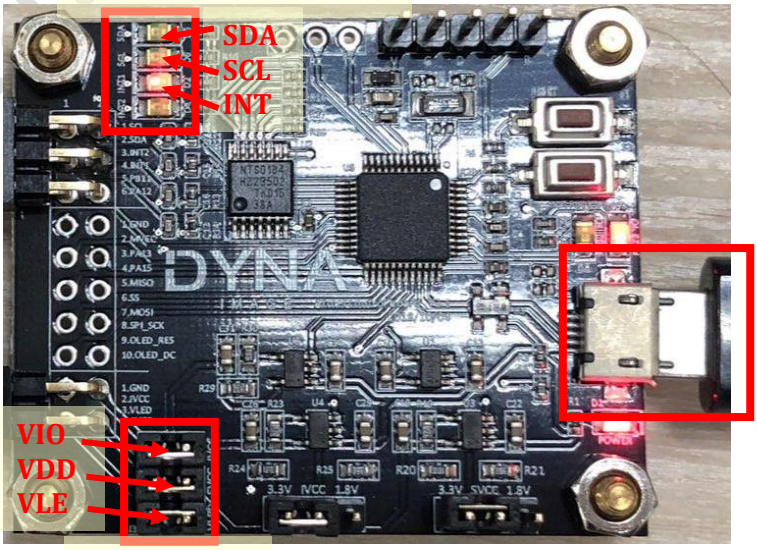
VERSION	DATE	CONTENT	AUTHOR
1.0	2021/10/6	Document creation	Brian Chiu

Hardware Setup



Sensor Board

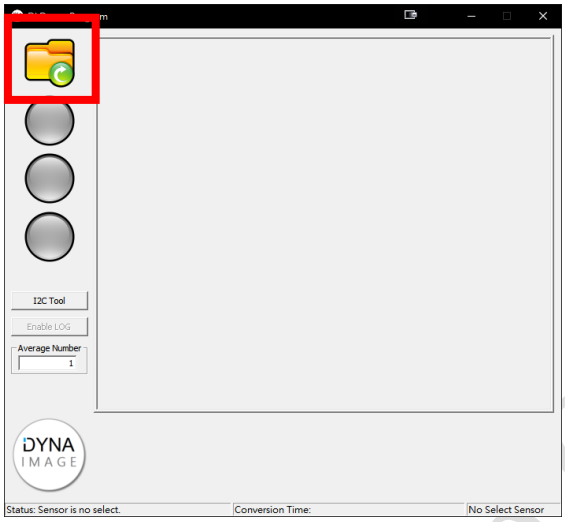
Control Board



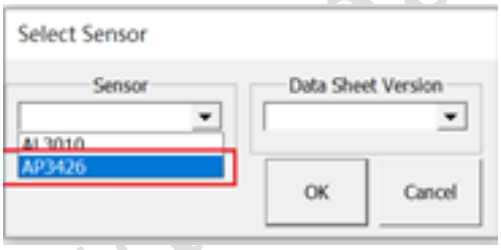
Software Setup

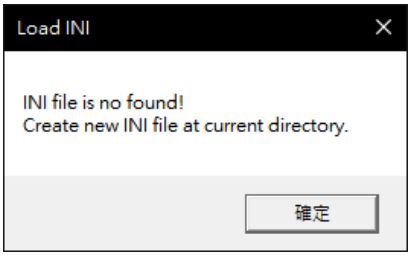
1. Open DI_Demo_Program.exe

2. Open sensor selects windows

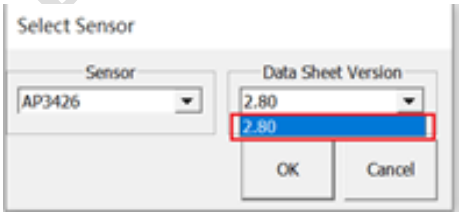


3. Select AP3426, then press OK. If it's your first use, you will get a "Load INI" message and then press OK.

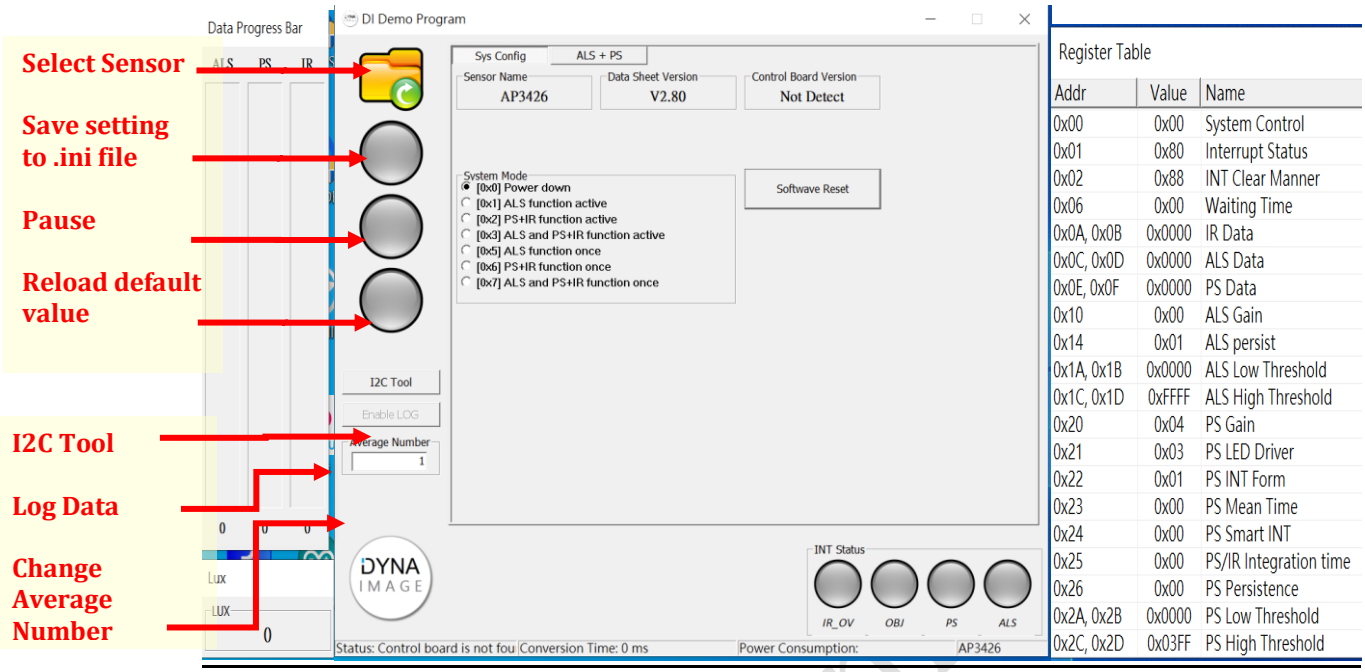




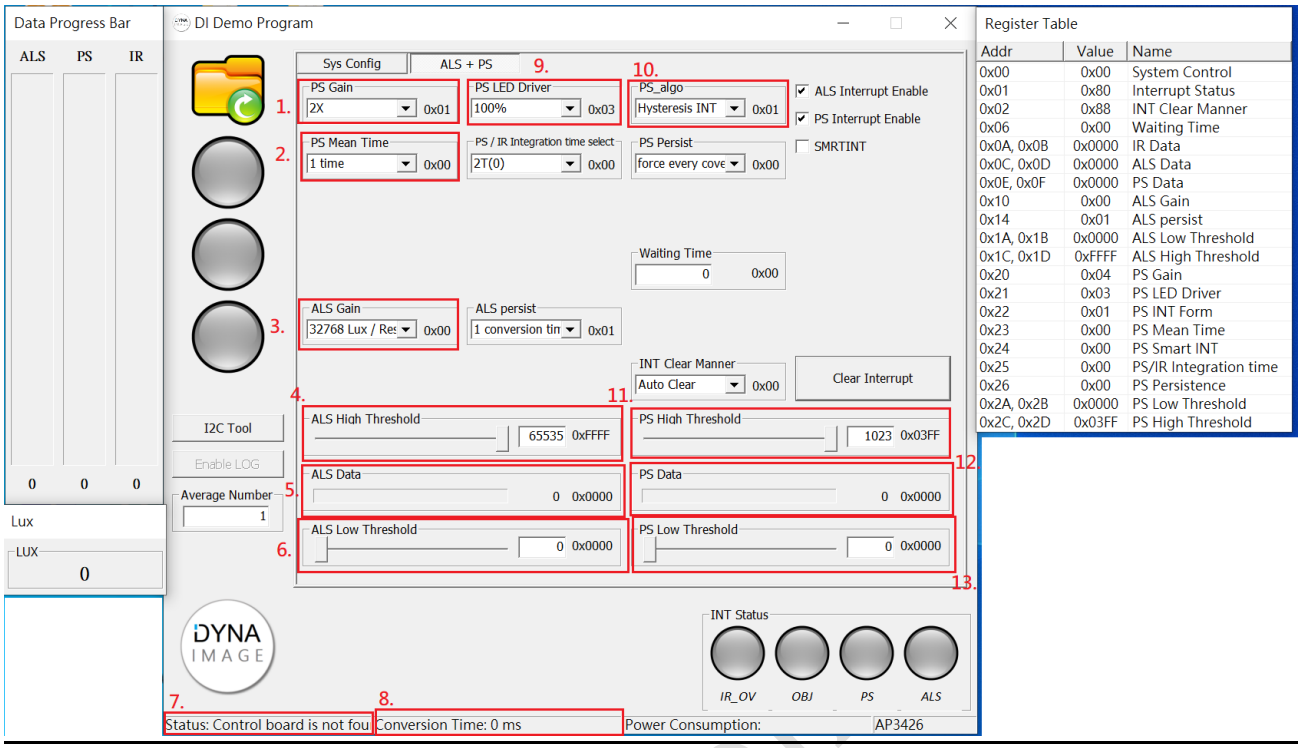
4. After first use, select Data Sheet Version-2.8.0 when you load AP3426_v2.80.ini file



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



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



1. PS Gain: This Bit could extend the detection range of device.
2. PS Mean Time: Internal average function.
3. ALS Gain: This Bit could extend the range and resolution of device.
4. ALS High Threshold: Set the interrupt of Threshold when ALS Data value is higher than Threshold.
5. ALS Data: Display the actual ADC value.
6. ALS Low Threshold: Set the interrupt of Threshold when ALS Data value is lower than Threshold.
7. Status: It can detect the Control Board ready or not.
8. Conversion Time: This value depends on “PS Mean Time”.
9. PS LED Driver: It can select the peak current of LED Driver.
10. PS_algo: Suggest to select “Hysteresis INT”
11. PS High Threshold: Set the interrupt of Threshold when PS Data value is higher than Threshold.
12. PS Data: Display the actual ADC value.
13. PS Low Threshold: Set the interrupt of Threshold when PS Data value is lower than Threshold

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