AL3010
Demo Program User Guide

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

Ver 1.0

20211019V1.0

Hardware Setup

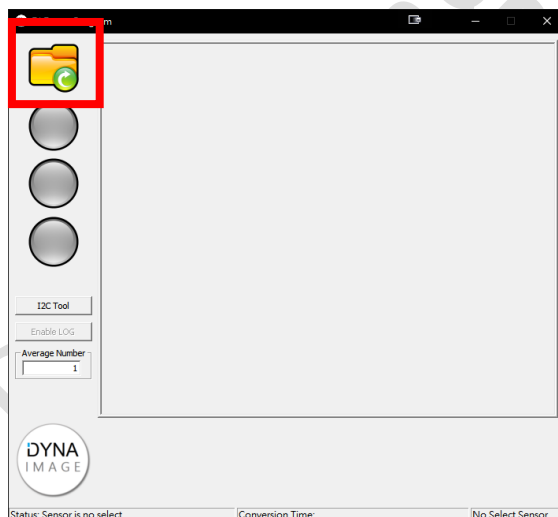Sensor Board

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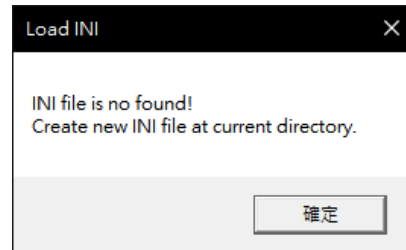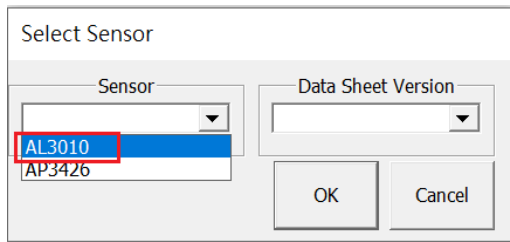20211019V1.0
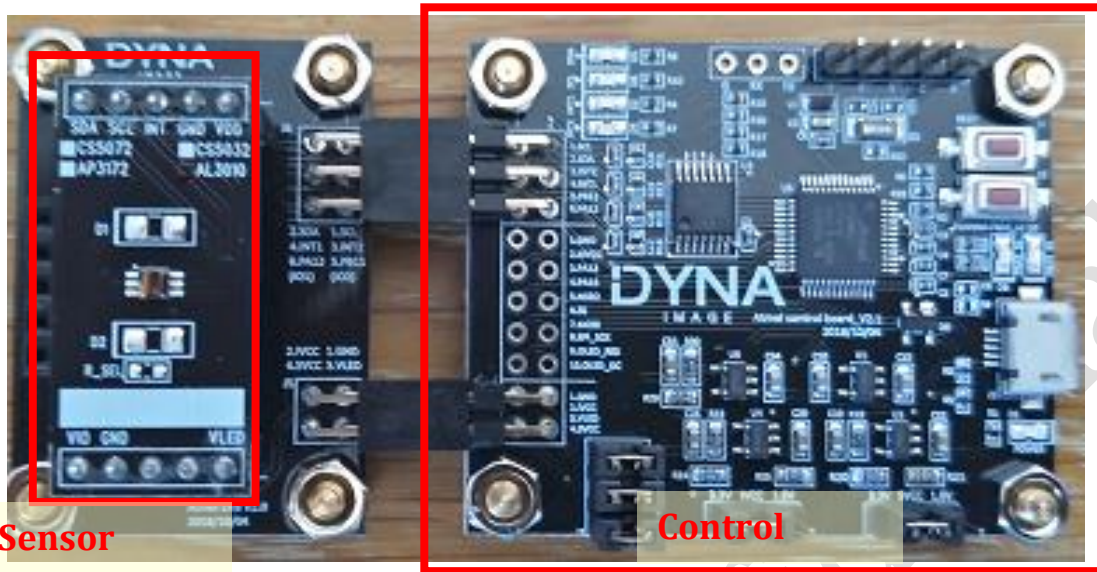
Control Board
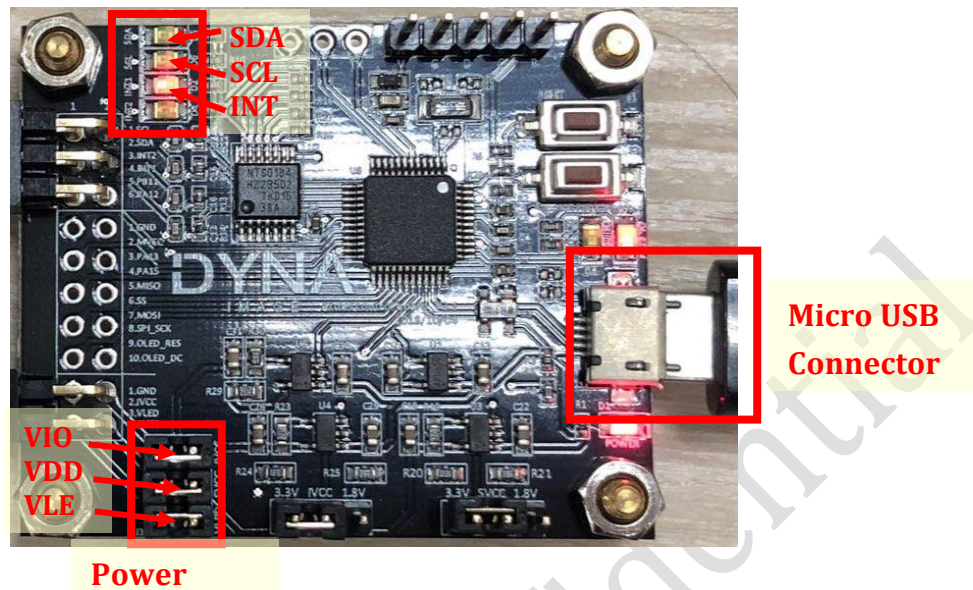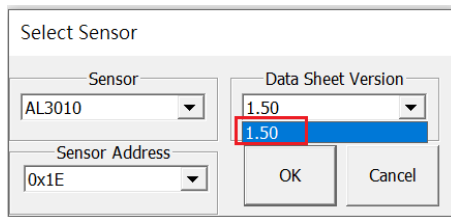

Software Setup

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.

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

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

Select Sensor

Save setting to .ini file

Pause

Reload default value

I2C Tool

Log Data

Change Average Number

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The user interface of Sys Config+ALS Tab is shown as follow:
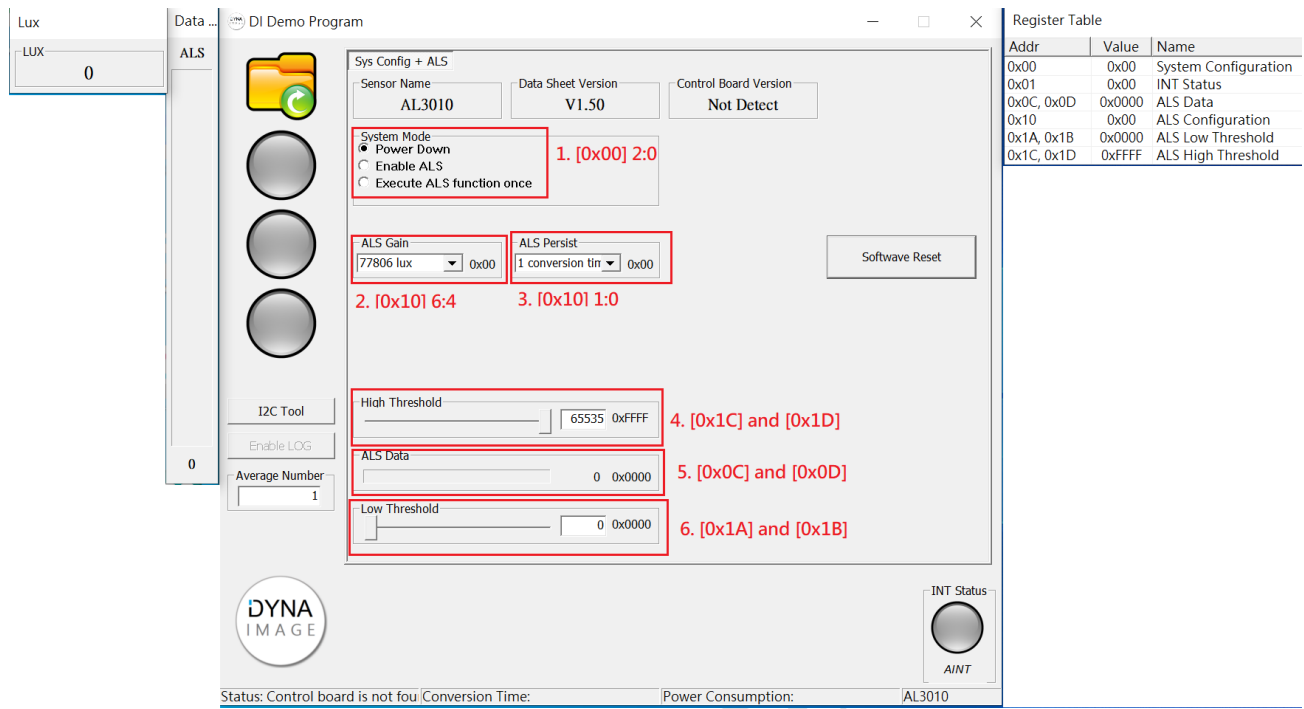
1. System Mode: User can select the three kinds of mode as Power Down, Enable ALS and Execute ALS function once from Register 0x00.
2. ALS Gain: User can set ALS Gain value from the Bit 6:4 of Register 0x10.
3. ALS Persist: User can set its conversion time from the Bit 1:0 of Register 0x10.
4. ALS High 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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