



ANSG 08
IC Management Tool
2.02
User Guide

Rev. 1.0

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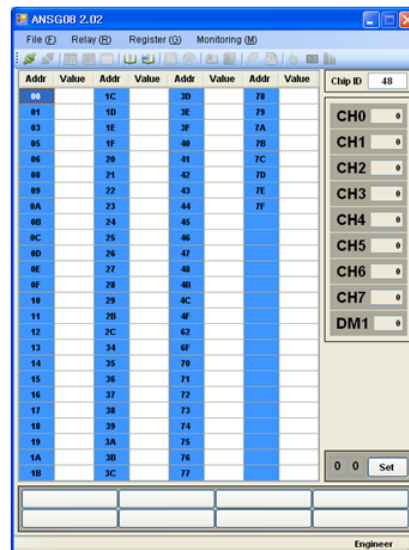
1 Set up

1.1 Login & Start-up Screen

- The login window as shown in <Figure.1> will be popped up by execution of **ADSemiconUI_2.04.exe** file.
- The window shown in <Figure.2> will be popped up by following the procedure as below.
 - Select an ID among the three account type(Engineer, Test and Work).
 - Enter the correct password stated in <Table.1>.
 - Select an IC and click on the “Login” button.



<Figure.1>

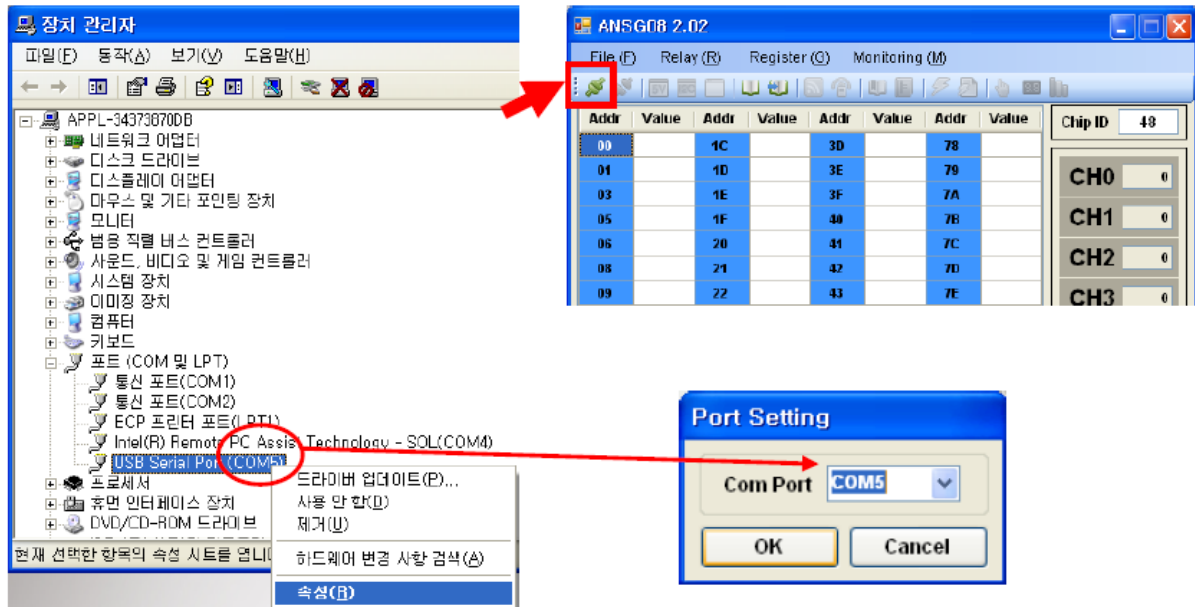


<Figure. 2>

ID	Password	Available Functions
Engineer	aaaa	All functions of the IC Management tool
Test	bbbb	File Open & Save, Register Read & Write and MTP Write & Verify
Work	cccc	File Open & Save and Verify

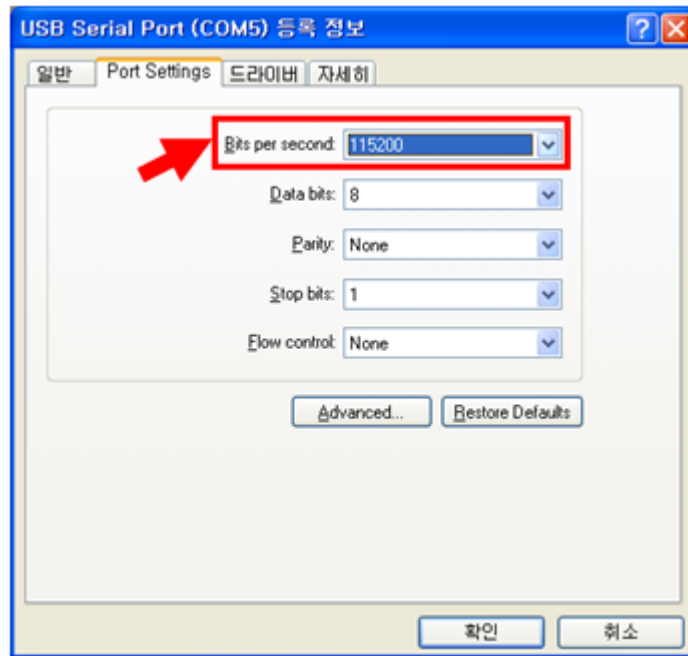
<Table. 1>

1.2 Connecting to Serial Port



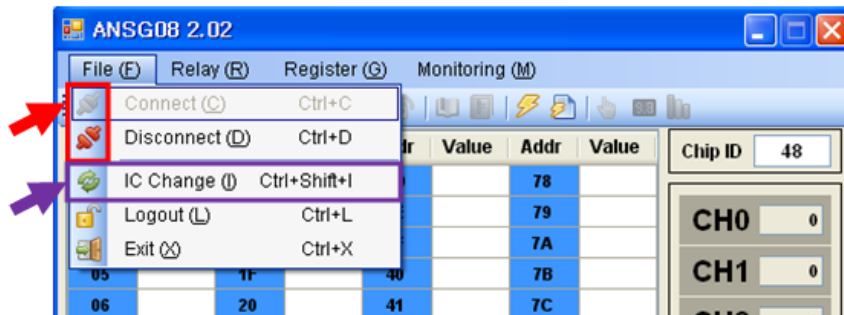
<Figure.3>

- Turn on the power of MTP board after connecting to PC.
- Check the serial port number(COMx) on the Device Manager → Ports(COM&LPT) → USB Serial Port.
- Click the right mouse button on the USB Serial Port(COMx) and click on the “Properties”.
- Select 115200 of “bit per second” dropdown menu on “Port Settings” tab and click the “OK” button. Please refer to <Figure 4.>
- Select a port number on “Port Setting” window and click the “OK” button.



<Figure.4>

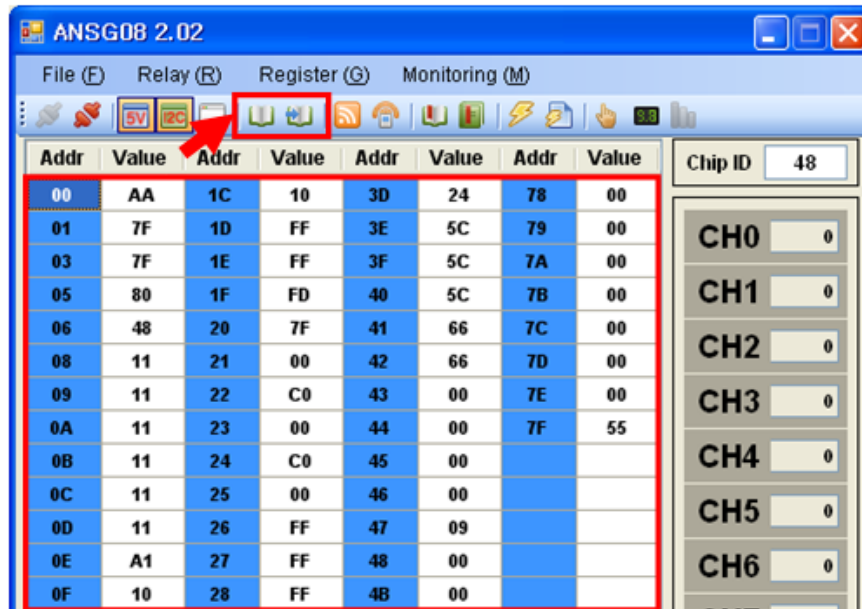
- “Connect” and “Disconnect” menus can be used in order to connect and disconnect to serial port after login. If changing of IC is needed, it is possible without logout by using “IC Change(Ctrl+Shift+I)” menu as shown in <Figure.5>.



<Figure.5>

2 Basic Functions

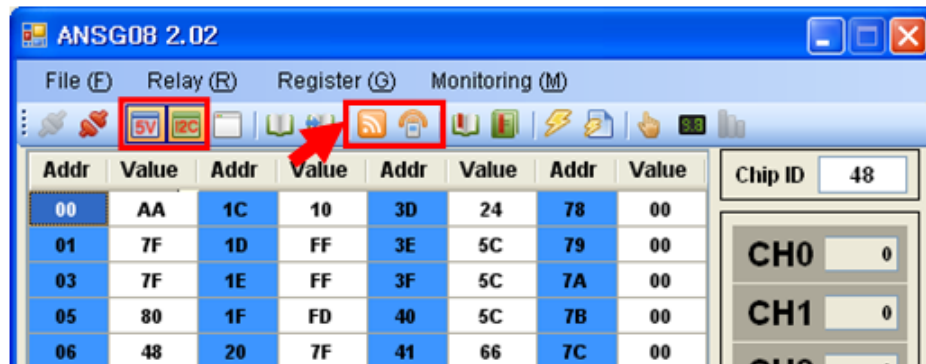
2.1 File Open & Save



<Figure.6>

- "File Open" menu loads the saved register file and display the values.
- "File Save" menu will save the register values on the window as a text file(.txt)
- Changing the address and data values
 - Address : Click the right mouse button on the address to be changed and click the "Edit" button.
 - Data : Double-click a value to be changed and enter new value

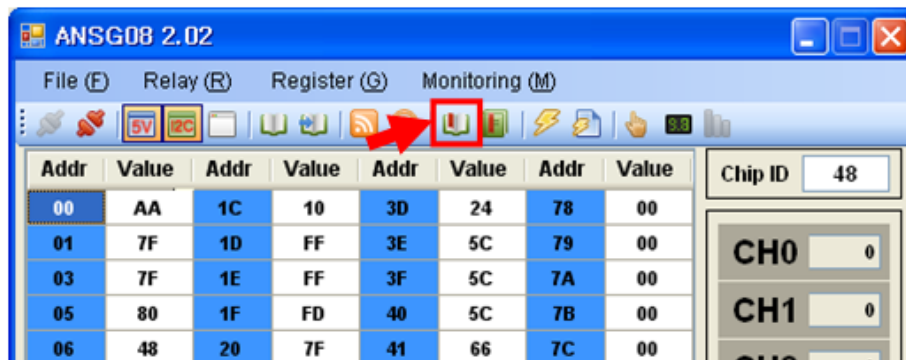
2.2 Register Read & Write



<Figure.7>

- “Register Read” menu displays register data from connected IC through I2C communication.
- “Register Write” menu writes register data displayed on the window to connected IC register. The register data will be initialized after shutting off the power.
- 5V and I2C relays must be turned on before execution of “Register Read & Write”.

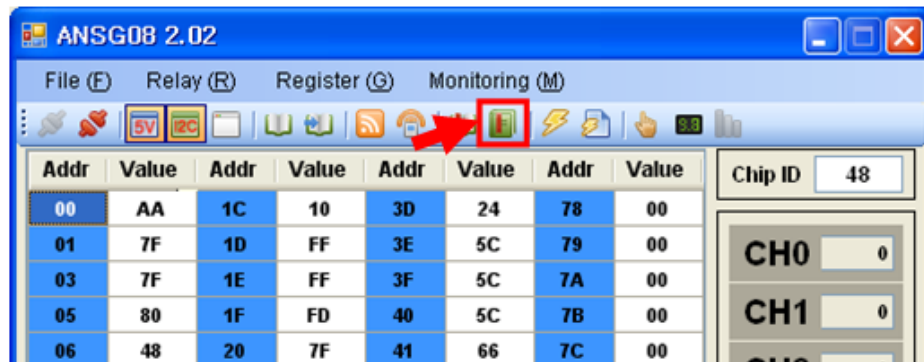
2.3 Board Read



<Figure.8>

- “Board Read” menu loads register data stored in internal EEPROM of JIG MCU.

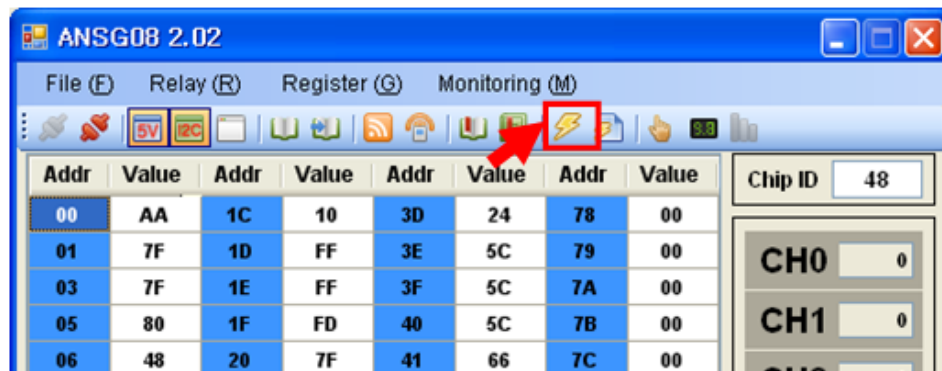
2.4 Board Write



<Figure.9>

- “Board Write” menu writes the register data displayed on the window to internal EEPROM of JIG MCU.

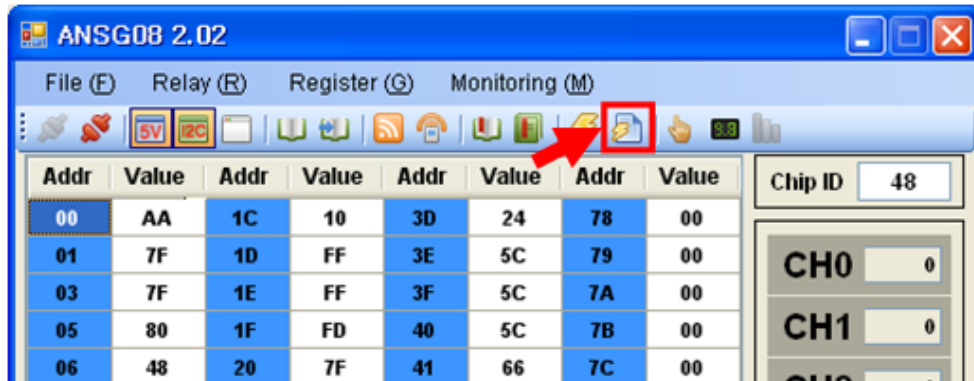
2.5 MTP Write



<Figure.10>

- “MTP Write” menu writes the register data displayed on the window to internal EEPROM of ANSG08.

2.6 Verify

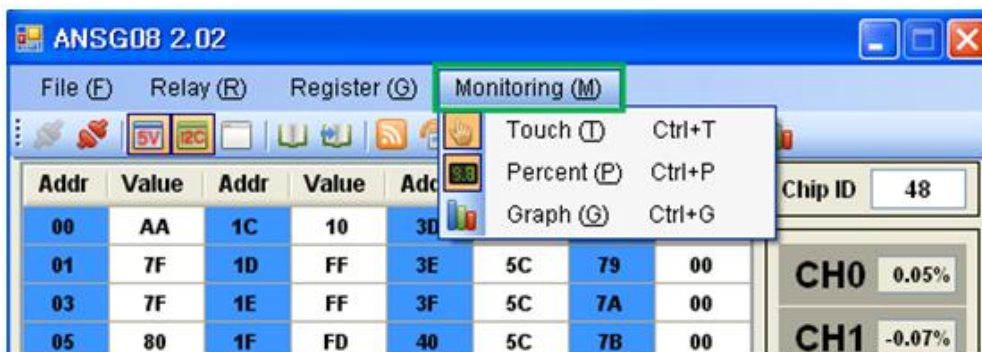


<Figure.11>

- “Verify” menu verifies by comparing register data displayed on the window and internal EEPROM of ANSG08

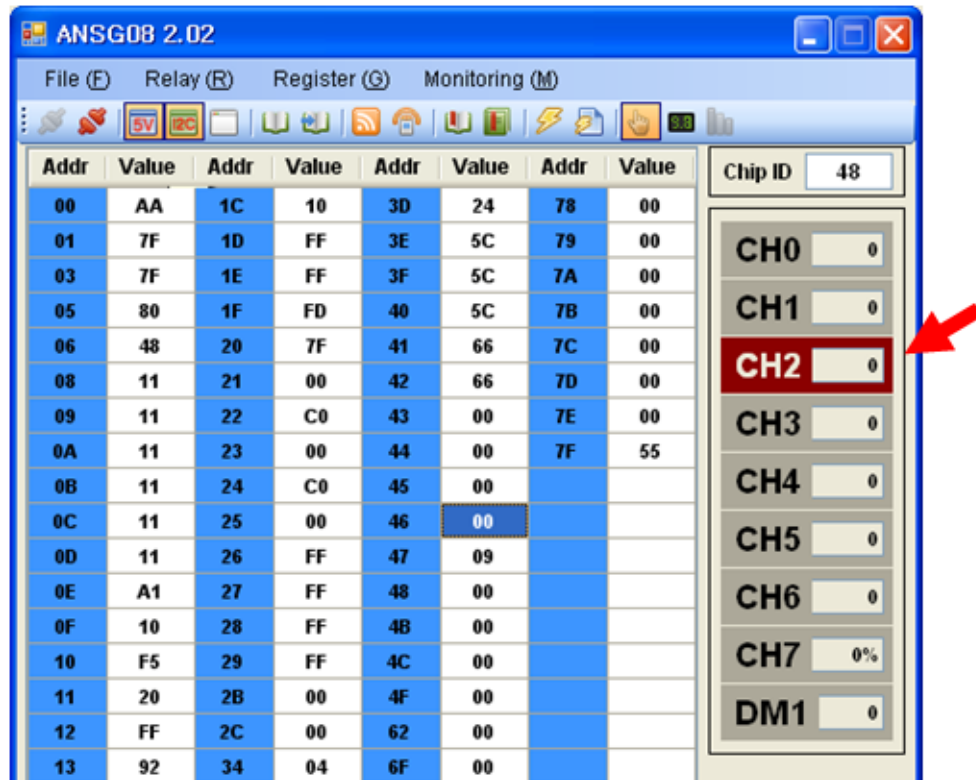
2.7 Monitoring

- Touch, Percent and Graph information can be displayed using “Monitoring” menu.



<Figure.12>

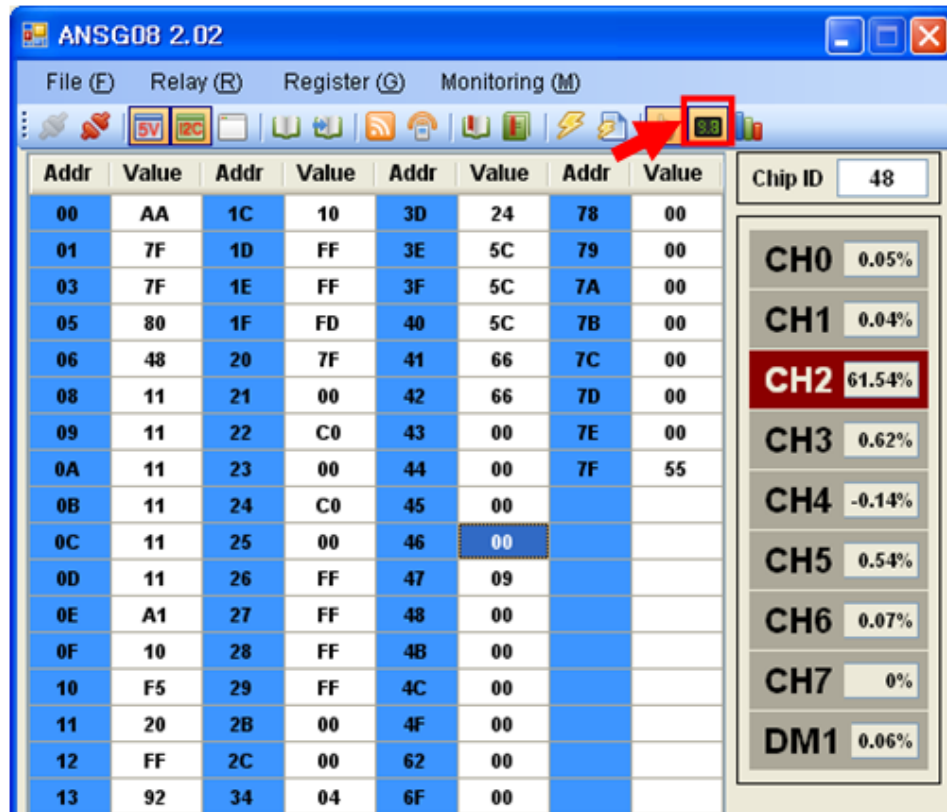
2.7.1 Monitoring Touch Operation



<Figure.13>

- I2C communication is enabled when 5V and I2C relays are turned on.
- I2C communication is enabled when finger-shaped "Touch" button is clicked after turning on 5V and I2C relays.
- After clicking finger-shaped "Touch" button, touched channel can be found out as the color of the channel is changed to dark red.

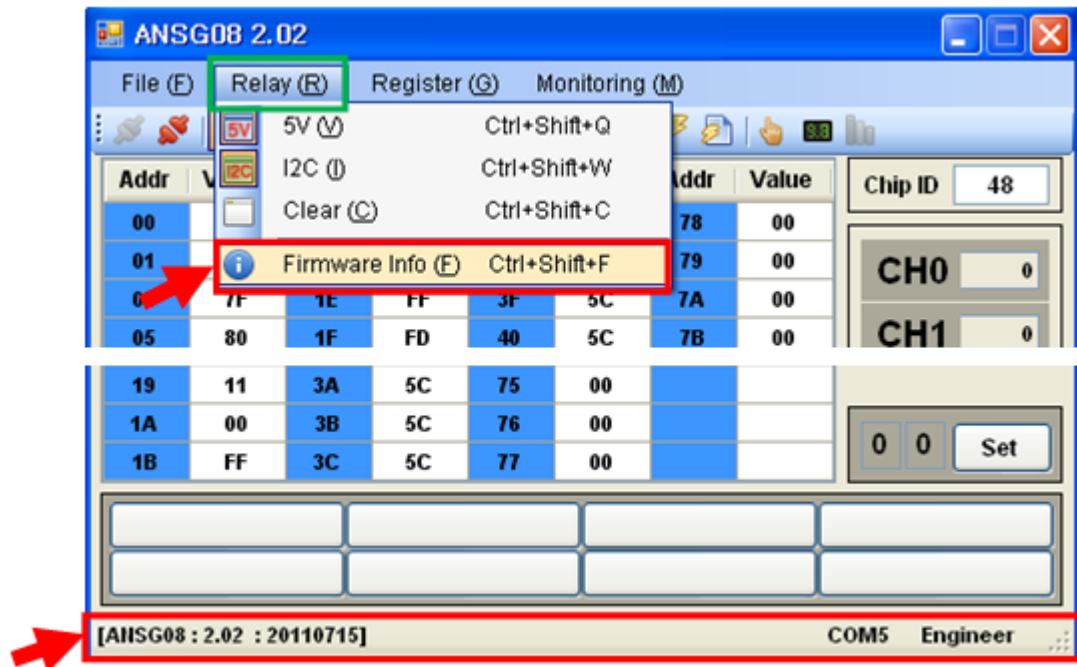
2.7.2 Monitoring Touch & Percent



<Figure.14>

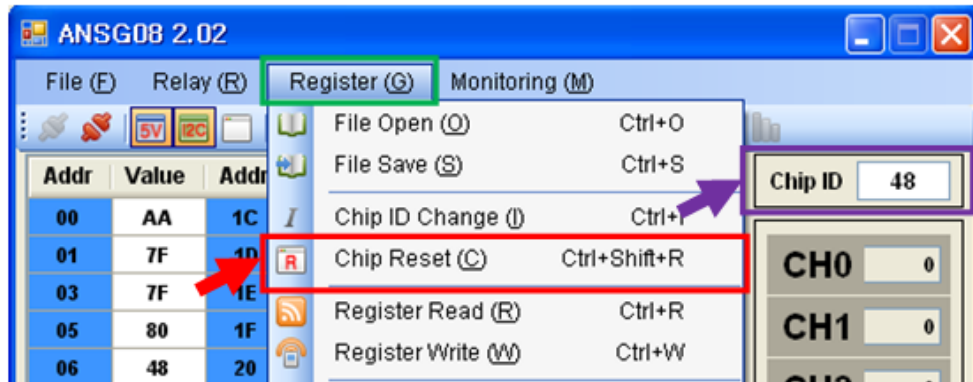
- After clicking "Percent" button, percent of touched channel is displayed with touched color.

2.8 Other Menus



<Figure.15>

- Connected IC type, JIG firmware version, release date and serial port number are displayed when "Firmware Information" menu is clicked.

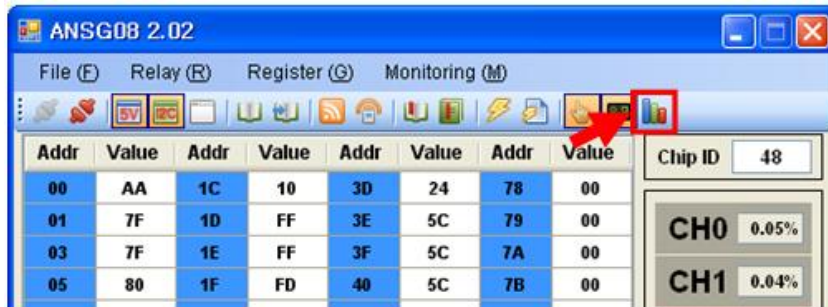


<Figure.16>

- ANSG08 IC reset is available by clicking "Chip Reset" of "Relay" menu.
- Chip ID can be entered and changed by using "Chip ID" textbox located upper-right corner.

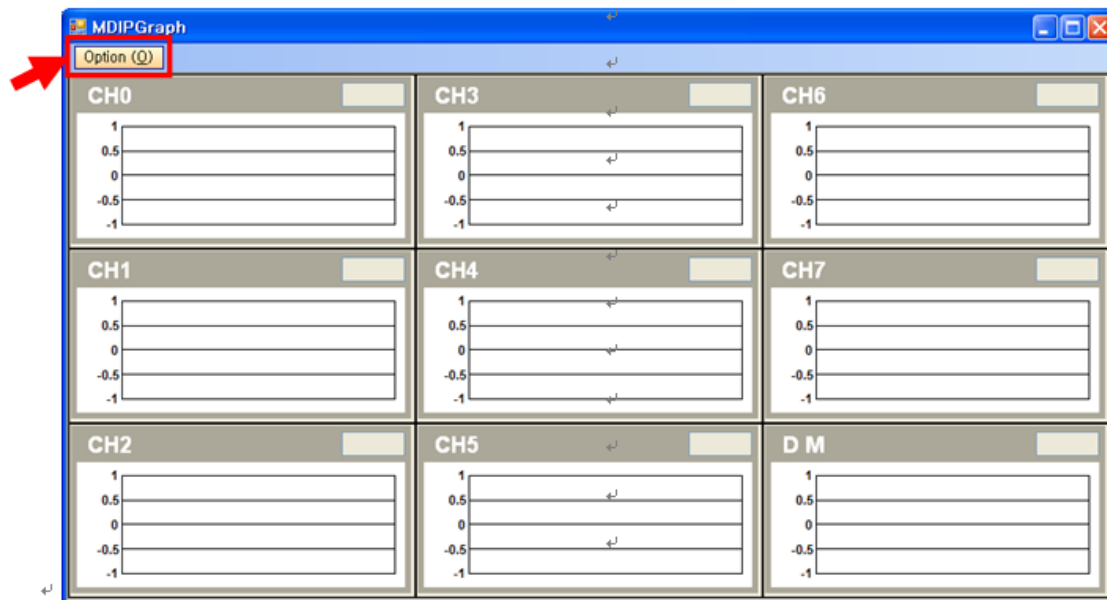
3 Detail Functions (Engineers Only)

3.1 Graph



<Figure.17>

- Windows as below are shown when “Graph” button is clicked.

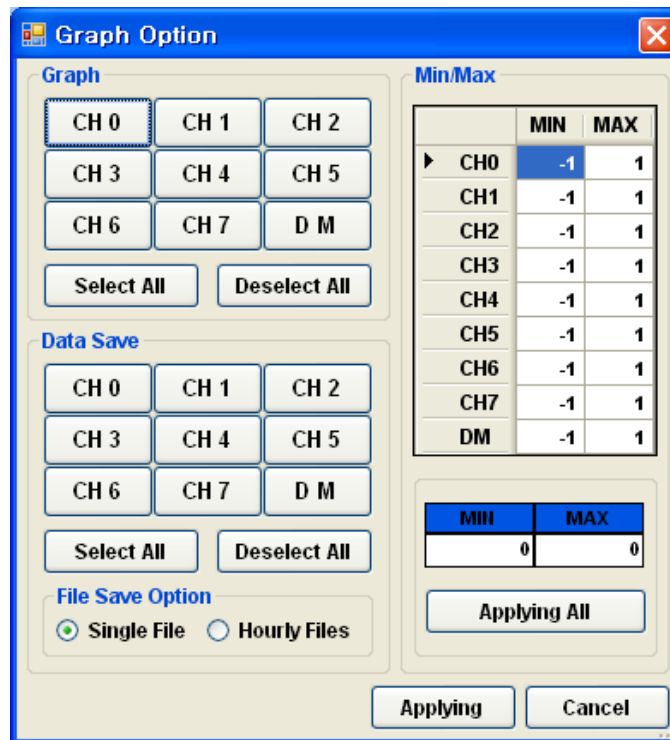


<Figure.18>

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- “Option” window used for setting graph is popped-up when “Option” menu in the “Graph” window is clicked.

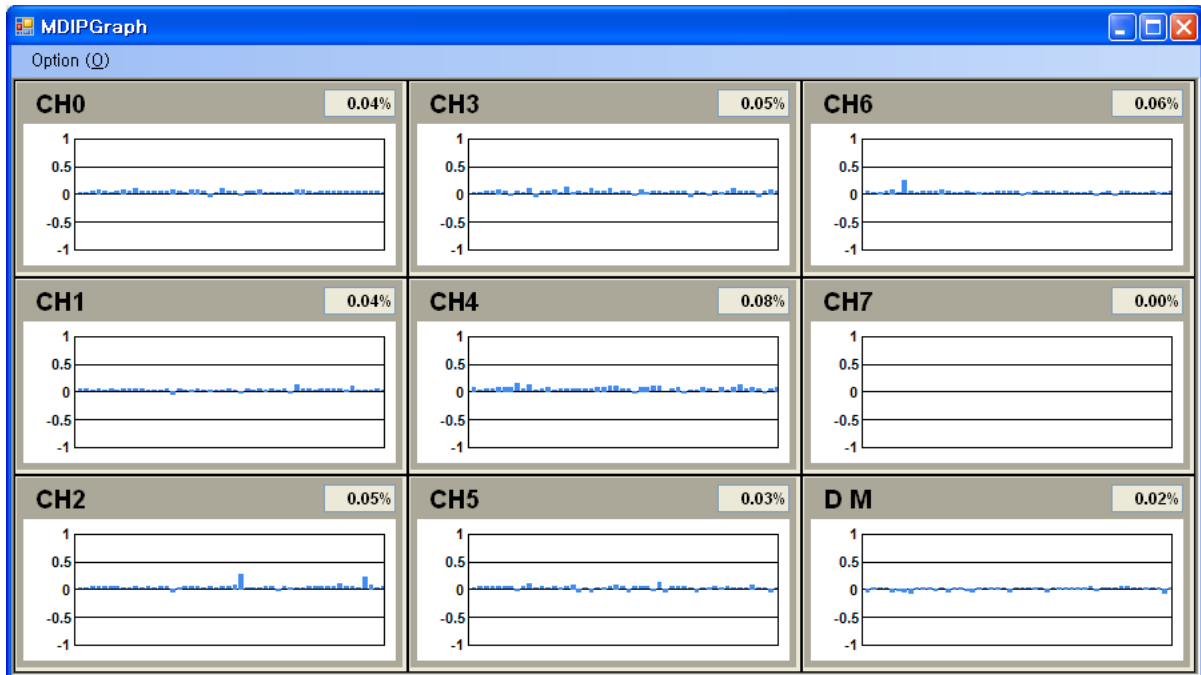
3.2 Graph Options



<Figure.19>

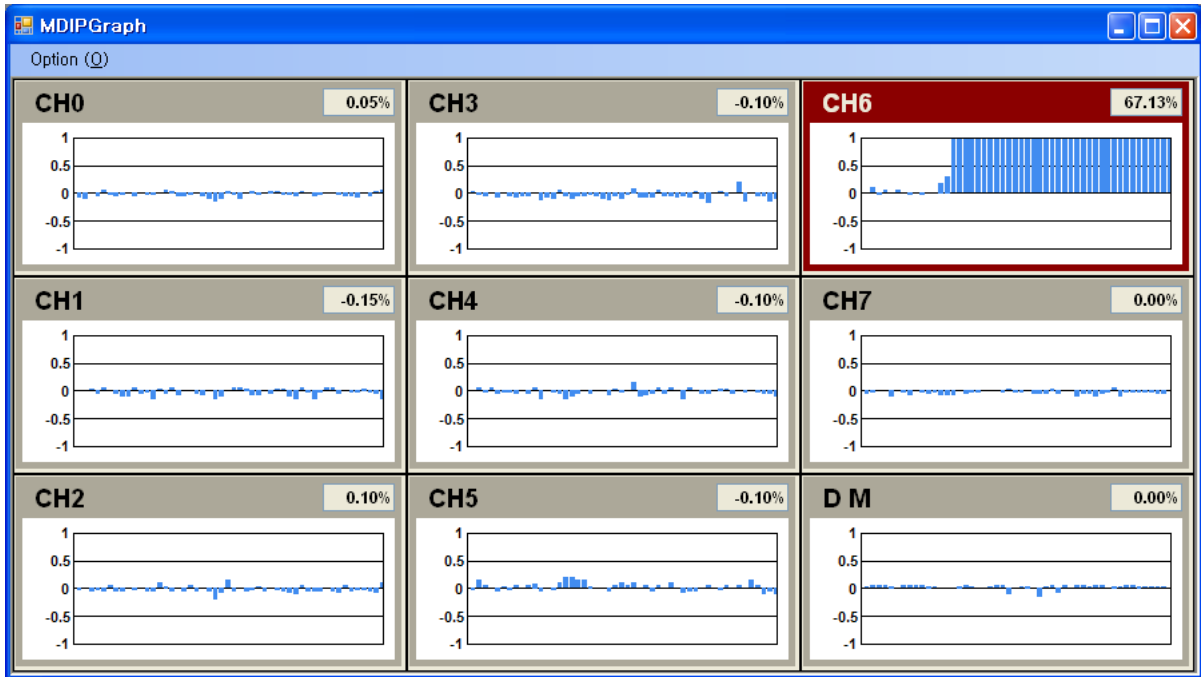
- **Graph** : A channel you want to see or all channel can be selected or deselected.
- **Data Save**: A channel you want to save or all channel can be selected or deselected.
- **File Save Option** : Single or hourly file save option can be selected.
- **Min / Max** : Change of graph can be checked by tapping in minimum or maximum value of all channel

3.3 Change of Graph



<Figure.20>

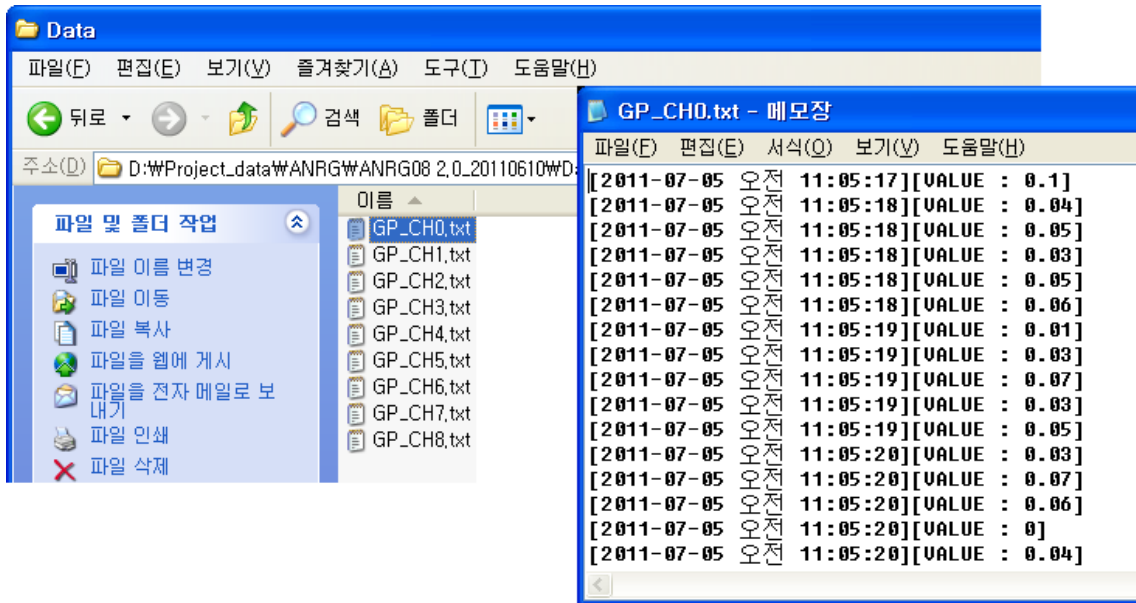
- Count values of each channel is shown in real time graph.
- X-axis indicates time in second and Y-axis indicates count value.
- Window color of touched channel is changed to dark red as shown in <Figure.21>.



<Figure.21>

3.4 Saving Data

- Using “Data Save” menu in “Graph Option” window, rate of change by channel or time unit is saved in text file as shown in <Figure.22>.



<Figure.22>