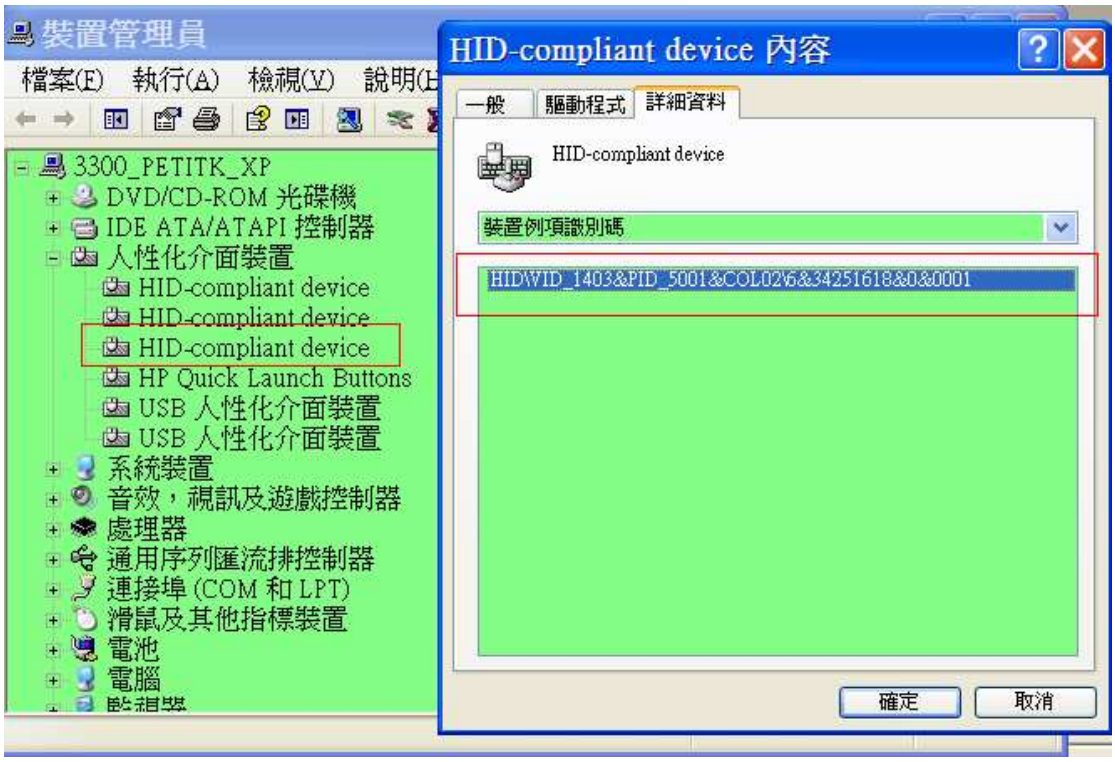
Check Device User Manual

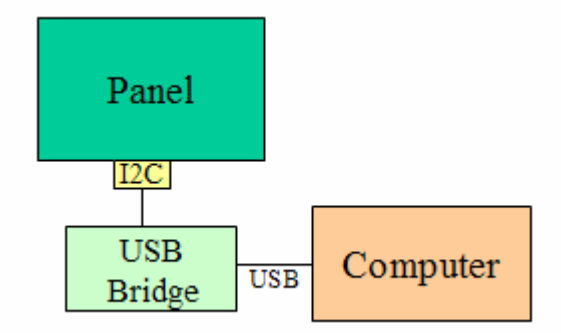
USB Interface

Open “Device Manager”, and check the HID device (VID=1403, PID=5001) is exist



I2C Interface

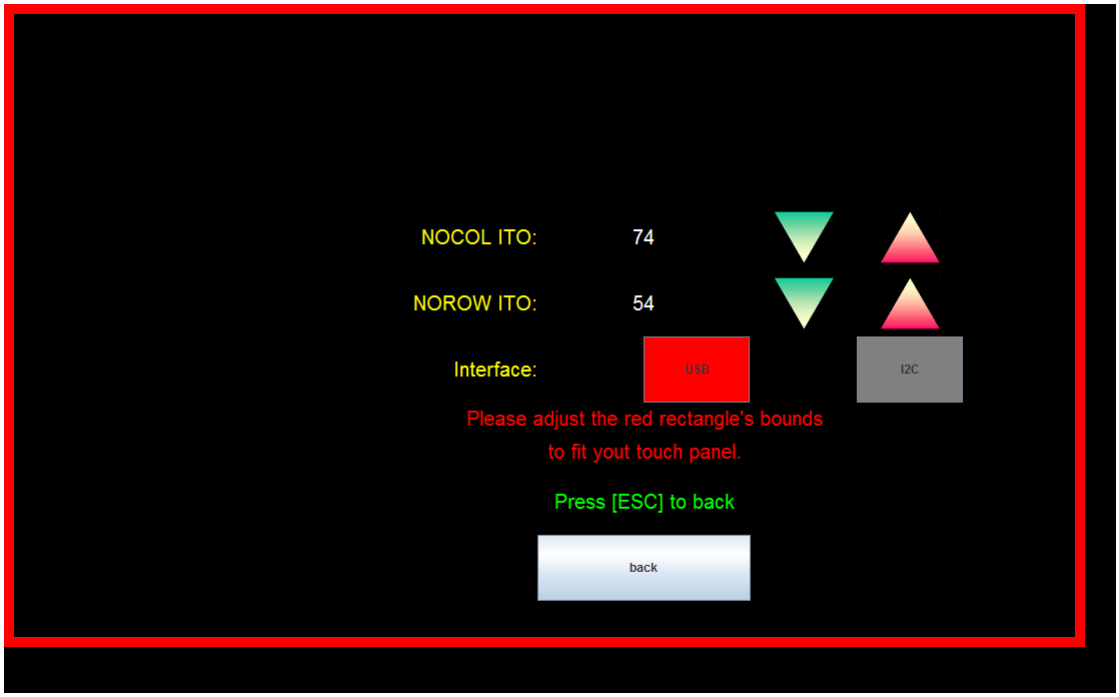
Use “USB Bridge” converter board to connect between I2C interface device and computer, refer below figure:



Open “Device Manager”, and check the HID device (VID=1403, PID=5001) is exist

Setting

Open ModuleTestTool, enter the “Test Setting” function.



NOCOL: The number of column ITO

NOROW: The number of row ITO

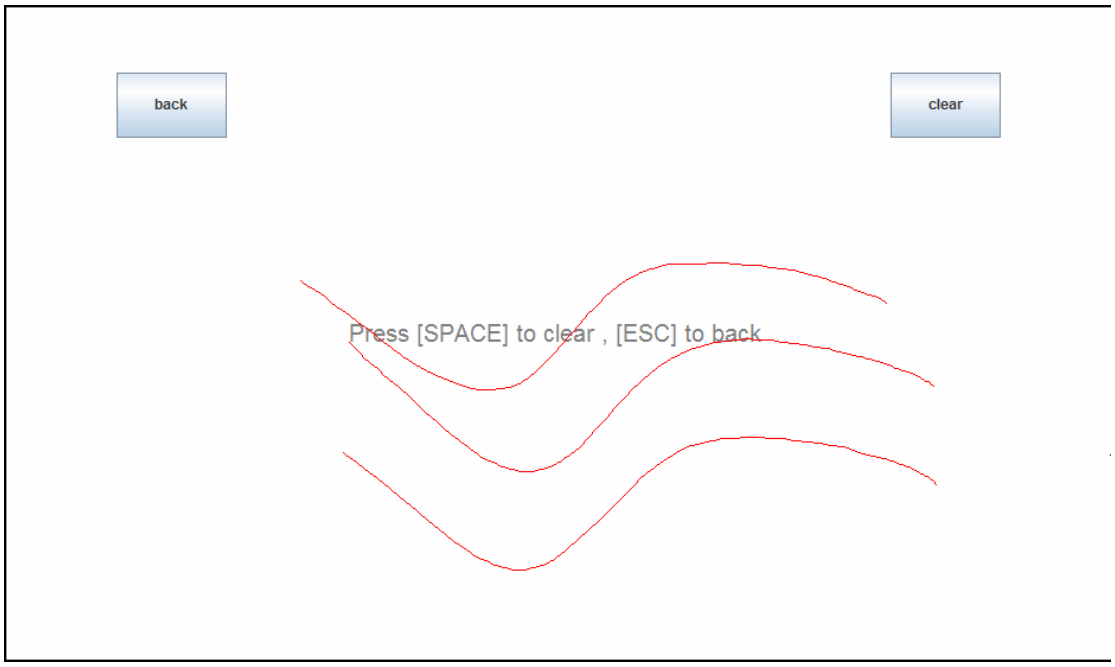
Interface: USB or I2C

Test bounds: If the panel size is not same as computer’s display screen, you can adjust it, like below figure:

then back to the menu, the setting will be saved.

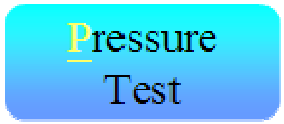
Test

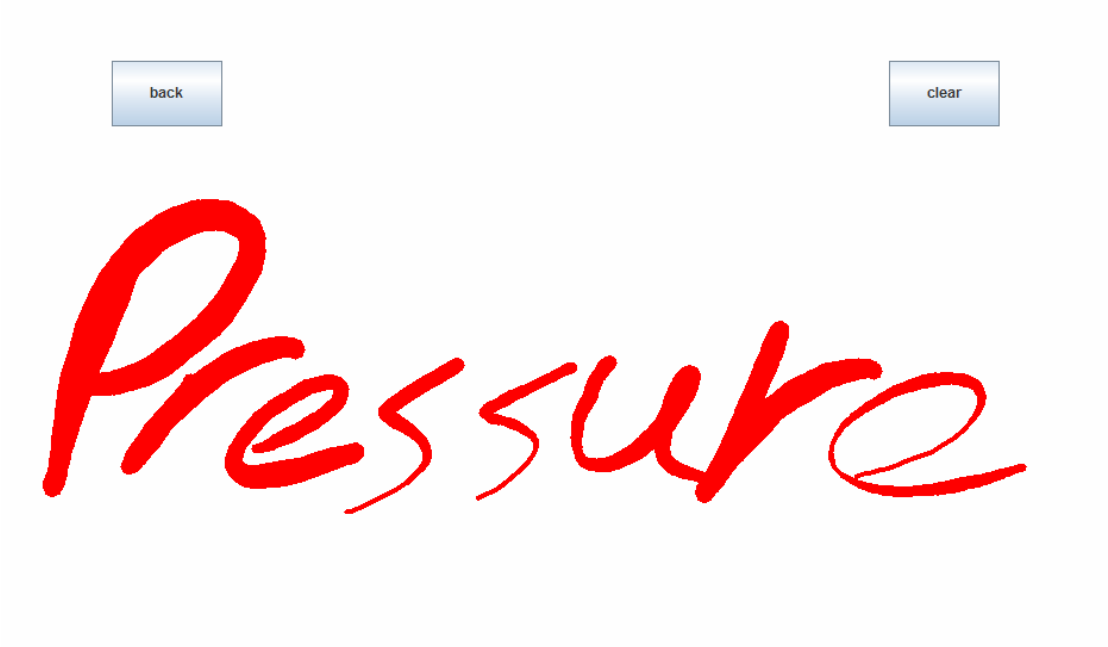
Boundary Test



Boundary Test can check touch panel ITO (column and row) are all ok (didn’t have open or short condition), or there has some broken ITO line (open) or short point.

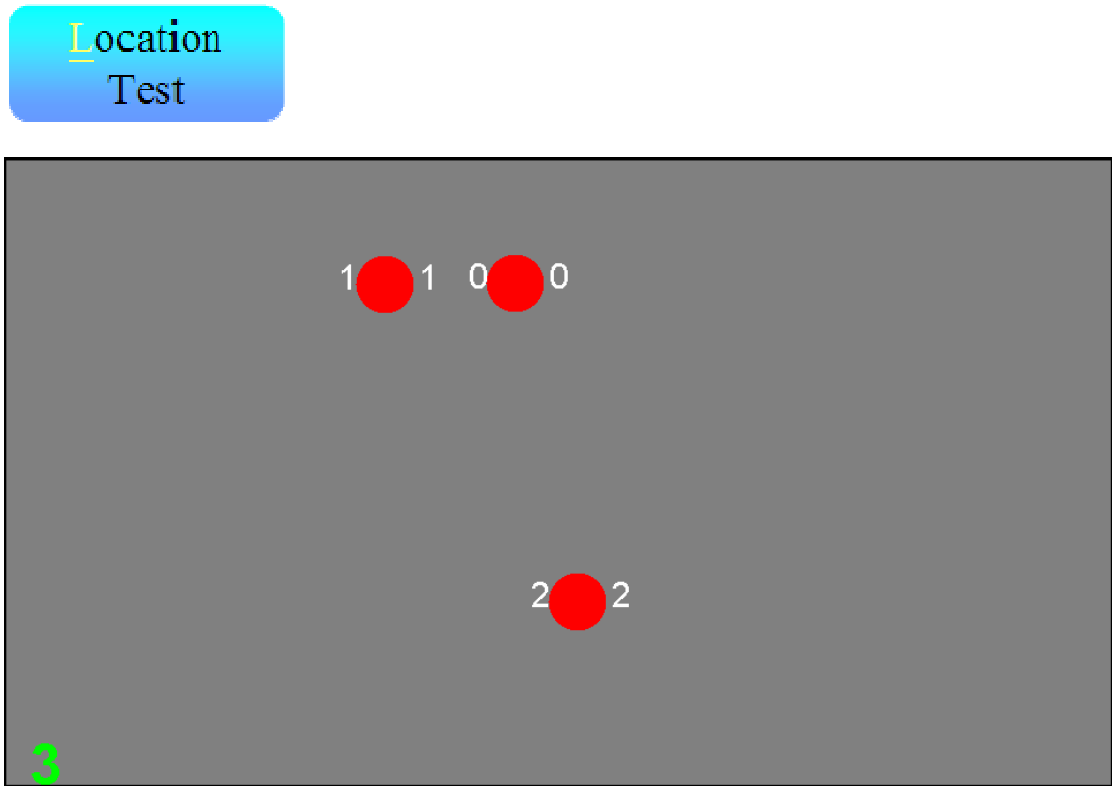
Pressure Test





Pressure Test can check the line width is correspond with input force.

Location Test



Location Test can check the input point on touch panel is the same as system display point.

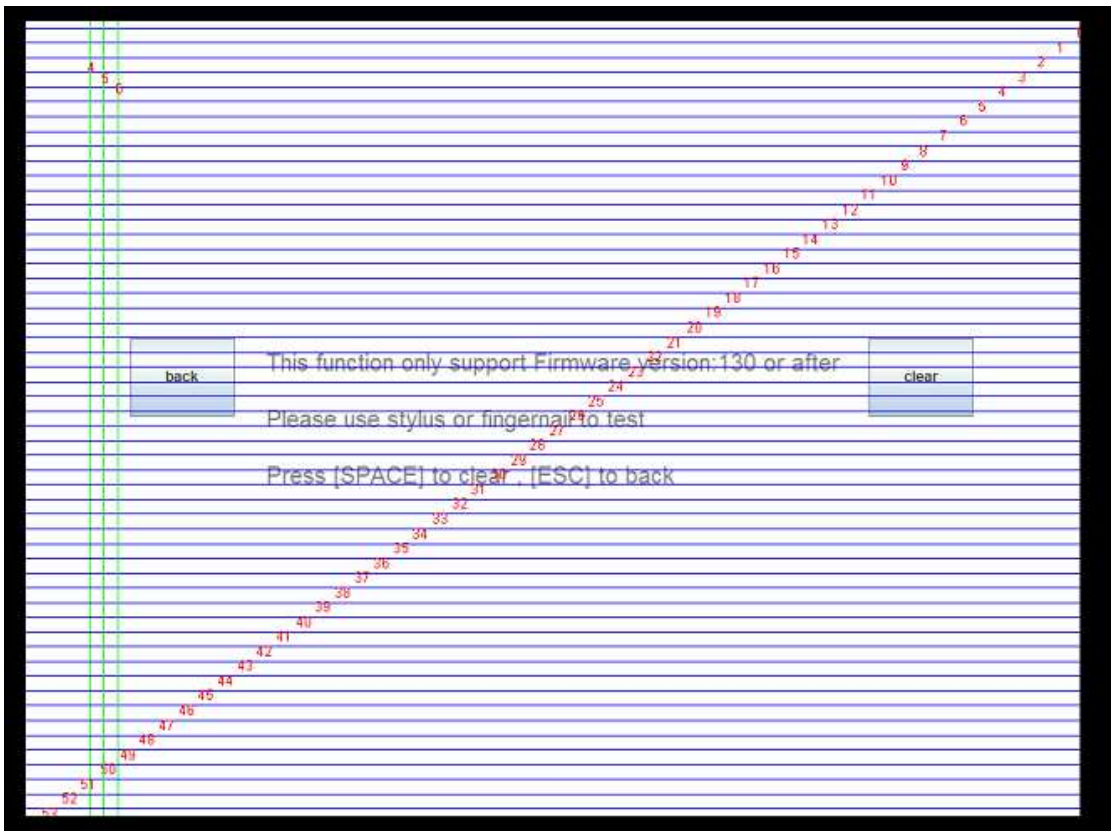
Key Press Test

Key Press Test can check “click” function.

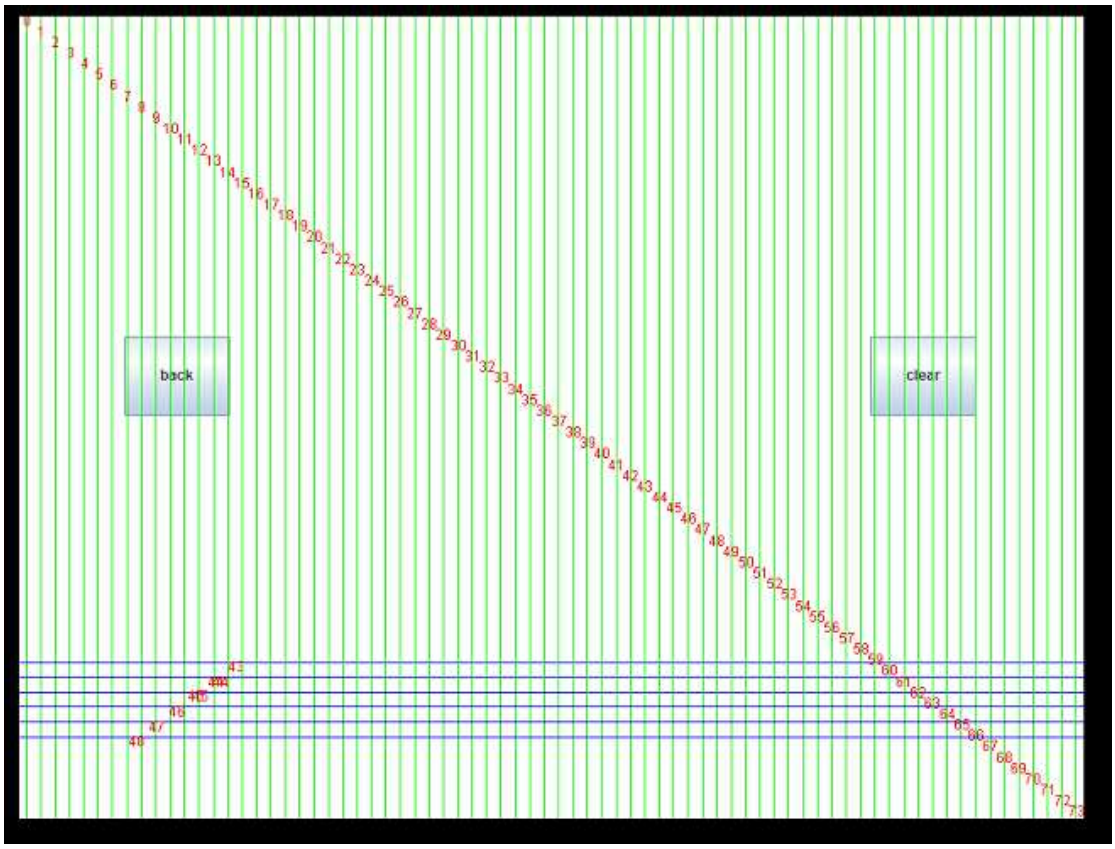
Open Short Test

This function is only support Firmware: 130 or after.
Please use stylus or fingernail to test

Test Row: from up to down or from down to up to press touch panel, it will draw blue line and number, if any number of 0 to NOROW doesn’t appear, It means this number of row maybe open short.

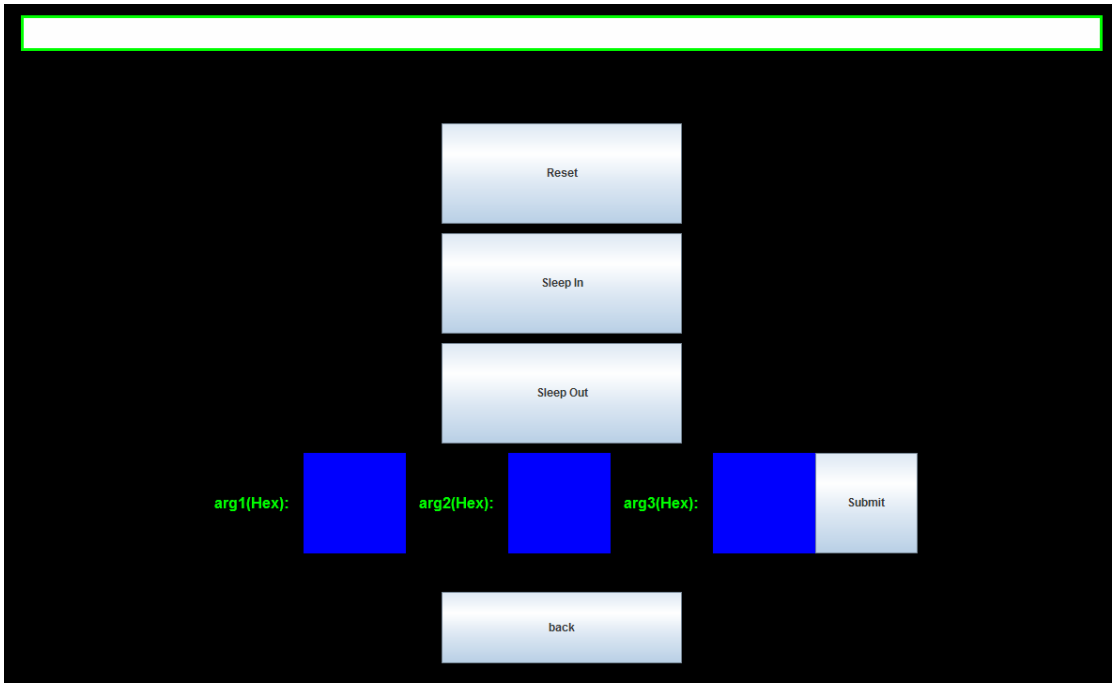


Test Column: from left to right or from right to left to press touch panel, it will draw green line and number, if any number of 0 to NOCOL doesn’t appear, It means this number of column maybe open short.



I2C Command Test

If the Module’s interface is I2C or SPI, user can use this function.



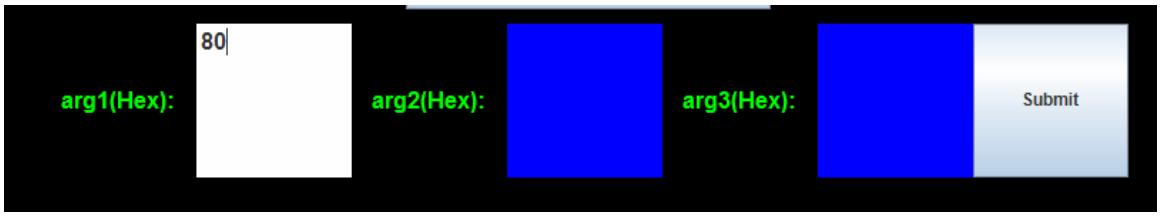
Restart: reset IC

Sleep In: go to sleep in mode

Sleep out: go to normal mode

Other command：Input other command to IC ([arg1] [arg2] , Hex format)

One Parameter:

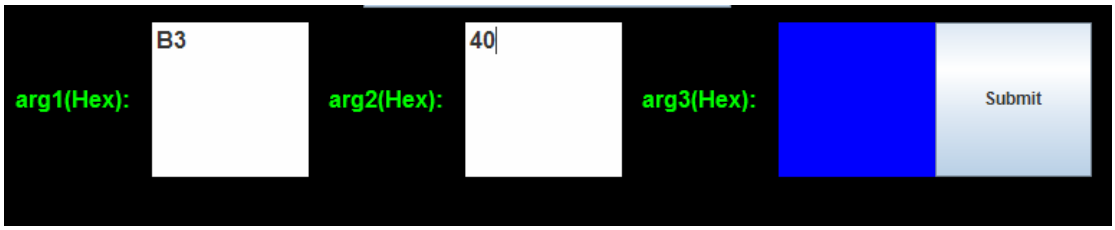


Ex:

80：Sleep In

81：Sleep out

Two parameters:

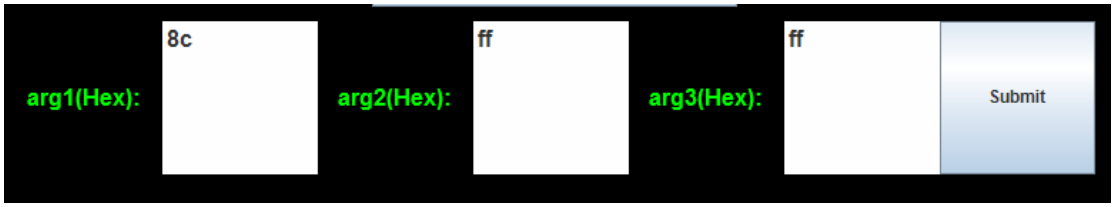


Ex:

Digital threshold control：[b3] [0~ff]

Continuous touch event define：[95][1~ff]

Three parameters:



Ex:

IC event definition：[8c][0~ff][0~ff]

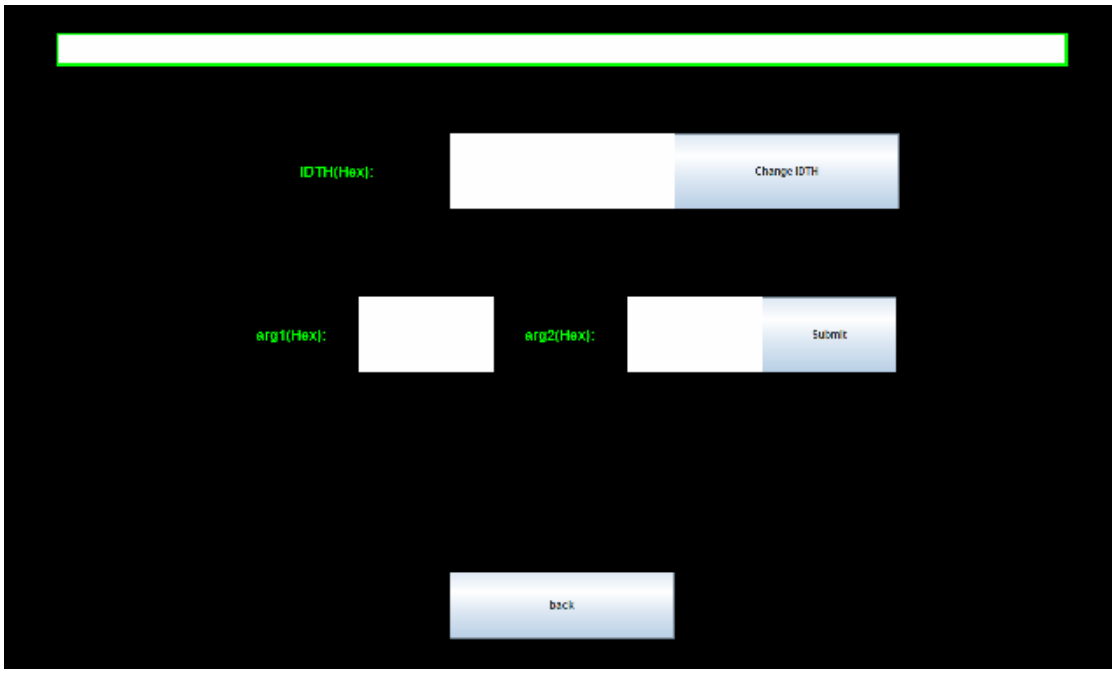
PS:

Every command doesn’t change the default value of IC, when hardware reset, all setting will become the default value.

Other command please refer ST9RM01 Command Set V1.4

USB Command Test

If the Module’s interface is USB, user can test this function.



IDTH：set the threshold to IC [0~ff]

Other Command：Input other command to IC ([arg1] [arg2] ,Hex format),

Ex:

Threshold：[b3] [0~ff]

PS:

Every command doesn’t change the default value of IC, when hardware reset, all setting will become the default value.

Other command please refer ST9RM01 Command Set V1.4