

# uC-HMI Module sub-window display instructions

V1.0

2020/07/08



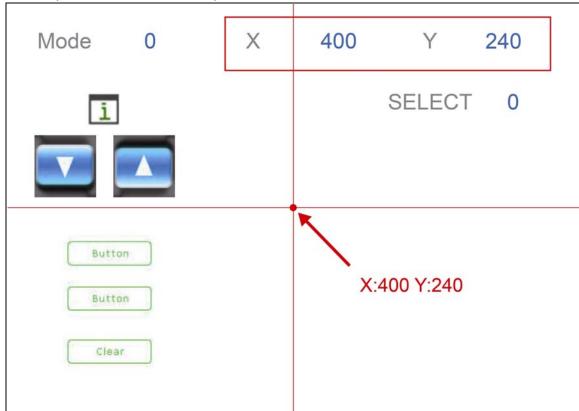
Item	Define	InitValue	MaxValue	MinValue	Description
1	IO_DG_X	0	2147483647	-2147483648	Coordinate X of sub-window
					to be aligned.
2	IO_DG_Y	0	2147483647	-2147483648	Coordinate Y of sub-window
					to be aligned.
3	IO_DG_Mode	0	2147483647	-2147483648	Sub-window display mode.

#### 1. Set IO\_DG\_Mode to display the sub-window in different positions

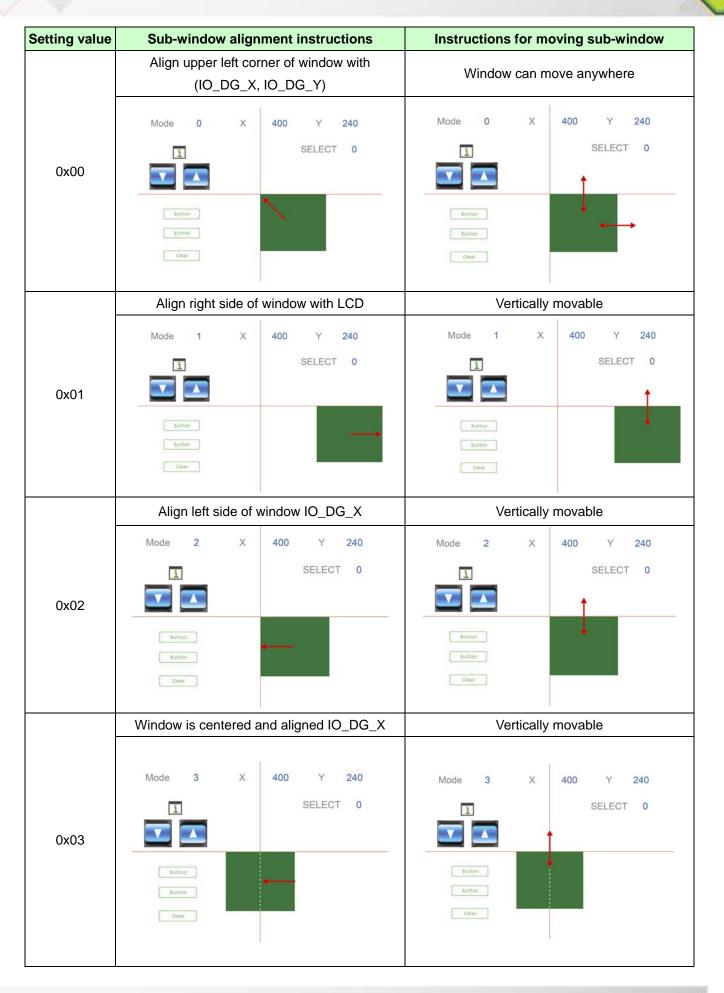
IO\_DG\_Mode is represented by only 1 byte: Upper 4 bits represent alignment in vertical (Y) direction, and lower 4 bits represent alignment in horizontal (X) direction.

#### 2. Sub-window alignment uses (IO\_DG\_X, IO\_DG\_Y) as reference point for alignment. IO\_DG\_X, IO\_DG\_Y 設定 setting 400,240

Below example is to set reference point as 400,240



### **uC-HMI Instructions**



# **uC-HMI Instructions**

	Sub-window alignment instructions	Instructions for moving sub-window
	Align right side of window IO_DG_X	Vertically movable
	Mode 4 X 400 Y 240	Mode 4 X 400 Y 240
0x04	Butten Rutten Clear	Button Button Clear
	Align left side of window with LCD	Vertically movable
	Mode 5 X 400 Y 240	Mode 5 X 400 Y 240
0x05	SELECT 0	SELECT 0
	Ciear	Ctear
_	Align bottom of window with LCD	Horizontally movable
	Mode 16 X 400 Y 240	Mode 16 X 400 Y 240
0x10	Butten	Butter:
	Eurtim Char	Button Clear
	Align top of window IO_DG_Y	Horizontally movable
	Mode 32 X 400 Y 240	Mode 32 X 400 Y 240
0x20	Euton	Butter
	Button	Button

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#### Setting value Instructions for moving sub-window Sub-window alignment instructions Window is vertically centered and aligned Horizontally movable IO\_DG\_Y Mode 48 Х 400 Υ 240 48 Х 400 Y 240 Mode SELECT 0 i SELECT 0 i 0x30 Butten Ciear Clear Align bottom of window IO\_DG\_Y Horizontally movable Mode 64 Х 400 Y 240 Mode 64 Х 400 Y 240 0 0 i i 0x40 Button Button Butten Clear Clear Align top of window with LCD Horizontally movable Mode 80 Х 240 Mode 80 Х 240 0 0 i i 0x50 Button Button Button Button Clear Align bottom of window with LCD Unmovable Align right side of window with LCD 400 Mode 17 Х Y 240 Mode 17 Х 400 240 Y SELECT 0 SELECT 0 i i 0x11 Button Button Button Clear clear.

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## **uC-HMI** Instructions

Setting value	Sub-window alignment instructions	Instructions for moving sub-window	
0x12	Align bottom of window with LCD Align left side of window IO_DG_X	Unmovable	
	Mode 18 X 400 Y 240	Mode 18 X 400 Y 240	
	Button Button Clear	Button Button Clear	
	Window is vertically centered and aligned IO_DG_Y Window is horizontally centered and aligned IO_DG_X	Unmovable	
0X33	Mode 51 X 400 Y 240 SELECT 0 SELECT 0 Settor Cear	Mode 51 X 400 Y 240 SELECT 0 Selection Button Button Clear	