



uC-HMI Module sub-window display instructions

V1.0

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1. Set IO_DG_Mode to display the sub-window in different positions

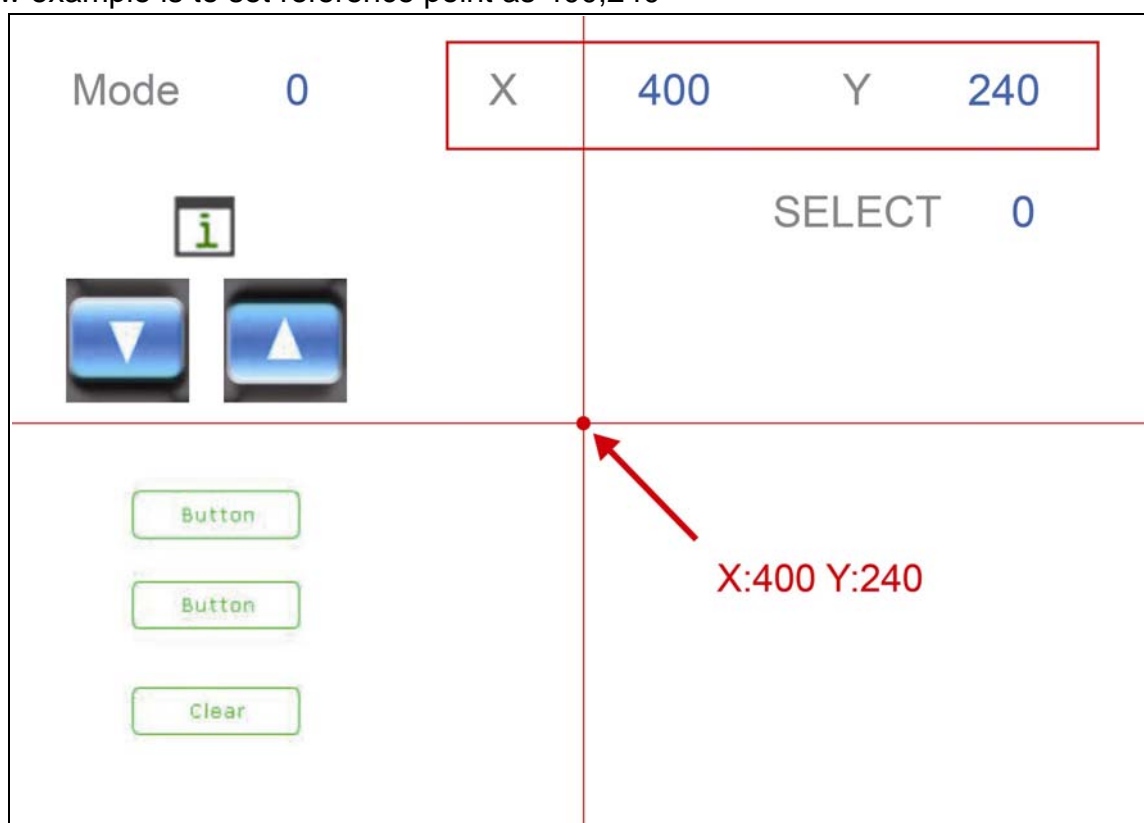
Item	Define	InitValue	MaxValue	MinValue	Description
1	IO_DG_X	0	2147483647	-2147483648	Coordinate X of sub-window to be aligned.
2	IO_DG_Y	0	2147483647	-2147483648	Coordinate Y of sub-window to be aligned.
3	IO_DG_Mode	0	2147483647	-2147483648	Sub-window display mode.

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





Setting value	Sub-window alignment instructions	Instructions for moving sub-window
0x00	Align upper left corner of window with (IO_DG_X, IO_DG_Y)	Window can move anywhere
	<p>Mode 0 X 400 Y 240 SELECT 0</p>	<p>Mode 0 X 400 Y 240 SELECT 0</p>
0x01	Align right side of window with LCD	Vertically movable
	<p>Mode 1 X 400 Y 240 SELECT 0</p>	<p>Mode 1 X 400 Y 240 SELECT 0</p>
0x02	Align left side of window IO_DG_X	Vertically movable
	<p>Mode 2 X 400 Y 240 SELECT 0</p>	<p>Mode 2 X 400 Y 240 SELECT 0</p>
0x03	Window is centered and aligned IO_DG_X	Vertically movable
	<p>Mode 3 X 400 Y 240 SELECT 0</p>	<p>Mode 3 X 400 Y 240 SELECT 0</p>



Setting value	Sub-window alignment instructions	Instructions for moving sub-window
0x04	Align right side of window IO_DG_X	Vertically movable
	<p>Mode 4 X 400 Y 240 SELECT 0</p>	<p>Mode 4 X 400 Y 240 SELECT 0</p>
0x05	Align left side of window with LCD	Vertically movable
	<p>Mode 5 X 400 Y 240 SELECT 0</p>	<p>Mode 5 X 400 Y 240 SELECT 0</p>
0x10	Align bottom of window with LCD	Horizontally movable
	<p>Mode 16 X 400 Y 240 SELECT 0</p>	<p>Mode 16 X 400 Y 240 SELECT 0</p>
0x20	Align top of window IO_DG_Y	Horizontally movable
	<p>Mode 32 X 400 Y 240 SELECT 0</p>	<p>Mode 32 X 400 Y 240 SELECT 0</p>



Setting value	Sub-window alignment instructions	Instructions for moving sub-window
0x30	Window is vertically centered and aligned IO_DG_Y	Horizontally movable
0x40	Align bottom of window IO_DG_Y	Horizontally movable
0x50	Align top of window with LCD	Horizontally movable
0x11	Align bottom of window with LCD Align right side of window with LCD	Unmovable



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
	<p>Mode 18 X 400 Y 240 SELECT 0</p>	<p>Mode 18 X 400 Y 240 SELECT 0</p>
0X33	Window is vertically centered and aligned IO_DG_Y Window is horizontally centered and aligned IO_DG_X	Unmovable
	<p>Mode 51 X 400 Y 240 SELECT 0</p>	<p>Mode 51 X 400 Y 240 SELECT 0</p>