

[Notes] Solution Toolkit QE for Display Development Assistance Tool for Display Applications

R20TS0813EJ0100
Rev.1.00
Jan. 16, 2022

Outline

When using of the products in the title, note the following points.

1. Restriction that the emWin configuration dialog cannot be closed.

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1.1 Applicable Products

Development Assistance Tool for Display Applications

- QE for Display [RX] V2.1.0
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1.2 Applicable Devices

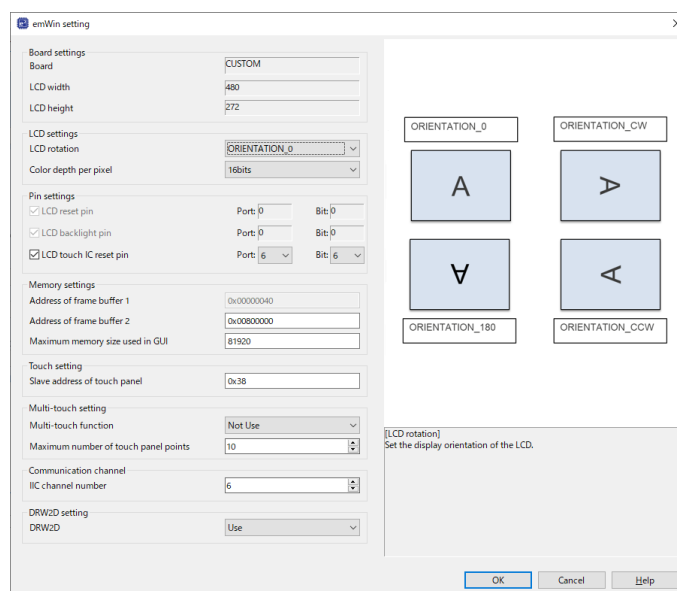
RX Family: RX651, RX66N, RX72M

1.3 Details

The emWin Setting dialog cannot be closed with the OK button and the settings cannot be changed. If you are not using emWin as a GUI drawing tool, you can use all functions without any problems.

1.4 Conditions

This problem occurs when you select the applicable device, set the GUI drawing tool to use emWin from SEGGER in the LCD main RX and RA (QE) view of this product, and open the emWin setting dialog box from the Info setting button of the GUI drawing tool to change the settings. If this occurs, close the dialog with the cancel button.



1.5 Workaround

Please edit the following emWin configuration header file directly.

<project folder>\src\qe_emwin_config.h

The following table shows the correspondence between the setting items in the dialog and the macro names in the header file.

emWin setting name	Macro name	Value(Example)
LCD rotation	EMWIN_DISPLAY_ORIENTATION	ORIENTATION_0 ORIENTATION_CW ORIENTATION_180 ORIENTATION_CCW
Color depth per pixel	EMWIN_BITS_PER_PIXEL	Case 16bits: 16 Case 32bits: 32 *When using DRW2D, set 16bits or more.
LCD reset pin	EMWIN_DISP_SIGNAL_PIN	Case Port B, Bit6: GPIO_PORT_B_PIN_6 *The settings in the [TCON and LCD Settings] tab will be displayed.
LCD reset pin Enable/Disable	EMWIN_USE_DISP_SIGNAL_PIN	Case Enable: 1 Case Disable: 0 *The settings in the [TCON and LCD Settings] tab will be displayed.
LCD backlight pin	EMWIN_BACKLIGHT_PIN	Case Port 0, Bit 0: GPIO_PORT_0_PIN_0 *The settings in the [TCON and LCD Settings] tab will be displayed.
LCD backlight pin Enable/Disable	EMWIN_USE_BACKLIGHT_PIN	Case Enable: 1 Case Disable: 0 *The settings in the [TCON and LCD Settings] tab will be displayed.
LCD touch IC reset pin	EMWIN_TOUCH_IC_RESET_PIN	Case Port 6, Bit 6: GPIO_PORT_6_PIN_6
LCD touch IC reset pin Enable/Disable	EMWIN_USE_TOUCH_IC_RESET_PIN	Case Enable: 1 Case Disable: 0
Address of frame buffer 1	EMWIN_GUI_FRAME_BUFFER1	Case 0x00000040: 0x00000040 *In the [Graphic Layer Settings] tab, under [Graphic Layer 2 Settings], the [First Address of Frame Buffer] will be displayed.
Address of frame buffer 2	EMWIN_GUI_FRAME_BUFFER2	Case 0x00800000: 0x00800000
Maximum memory size used in GUI	EMWIN_GUI_NUM_BYTES	Case 81920: 81920u
Slave address of touch panel	EMWIN_SLAVE_ADDRESS	Case 0x38: 0x00000038
Multi-touch function	EMWIN_USE_MULTITOUCH	Case Use: 1 Case Not use: 0
Maximum number of touch panel points	EMWIN_MAX_NUM_TOUCHPOINTS	Case 10 : 10u
IIC channel number	EMWIN_SCI_IIC_NUMBER	Case 6: 6u

Use DRW2D	EMWIN_USE_DRW2D	Case Use: 1 Case Not use: 0
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For detail, please contact us.

- <https://www.renesas.com/contact/>

1.6 Schedule for Fixing the Problem

This problem will be fixed in the next version. (Scheduled to be released in January 2022.)

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.16.22	-	First edition issued

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