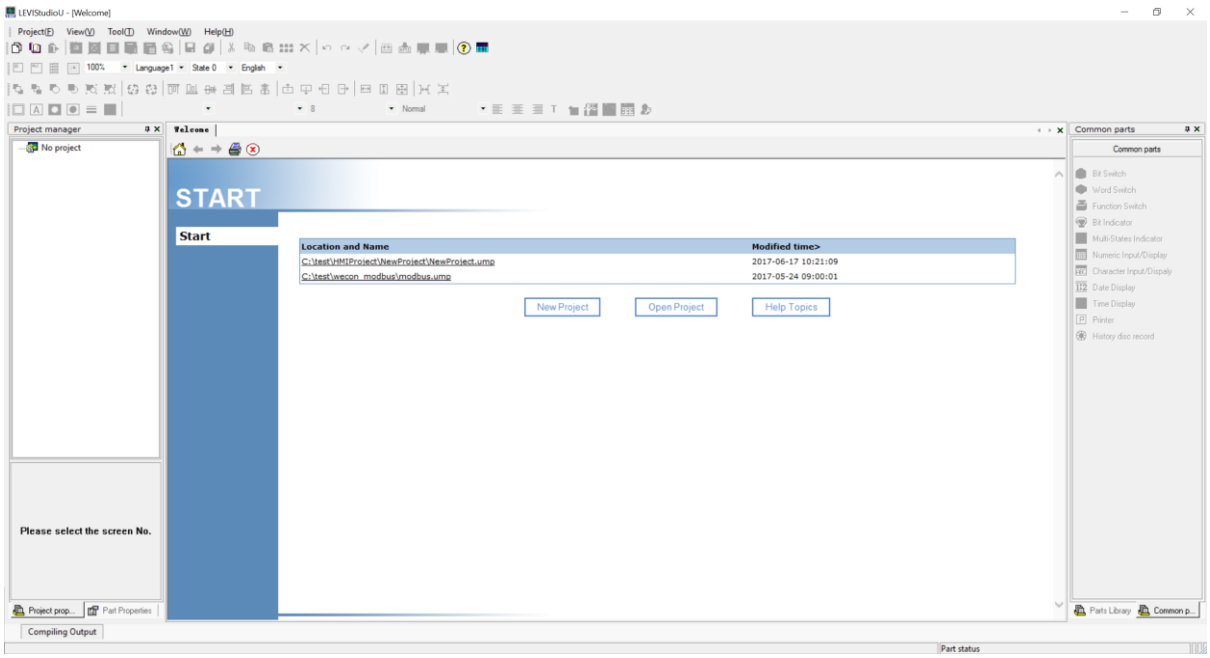
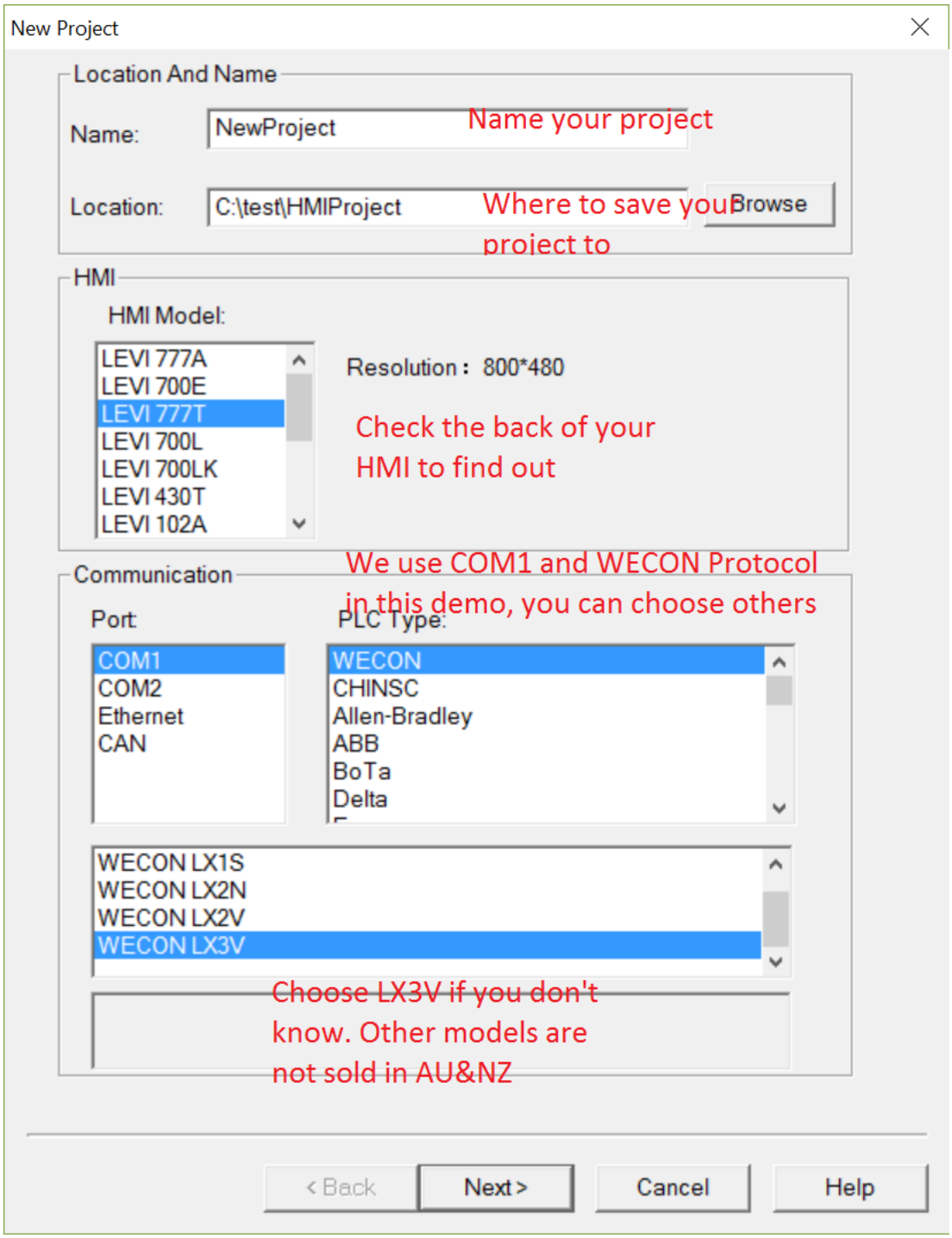
Your First HMI/PLC projects

This tutorial is for users who have no prior programming experience, have never used any PLC/HMI products before, have downloaded “LeviStudio” and “PLC Editor”, and ready to start up to create the first project on each device to test it out.

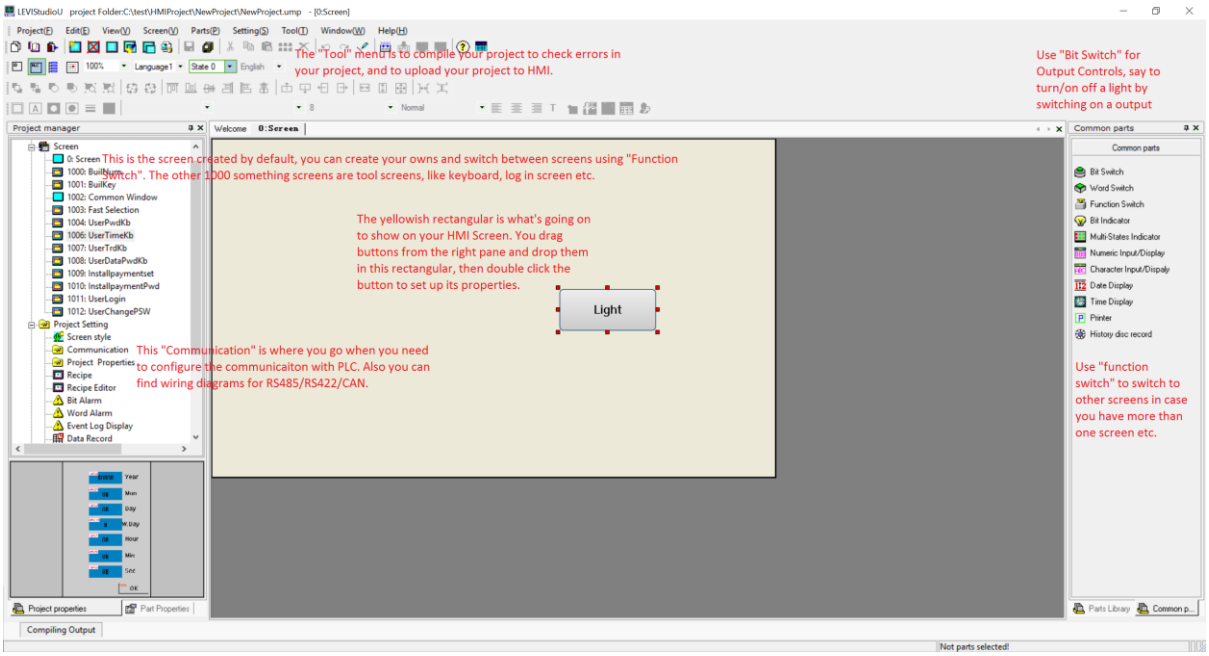
1. Open up “LeviStudio”. This is what you will see.



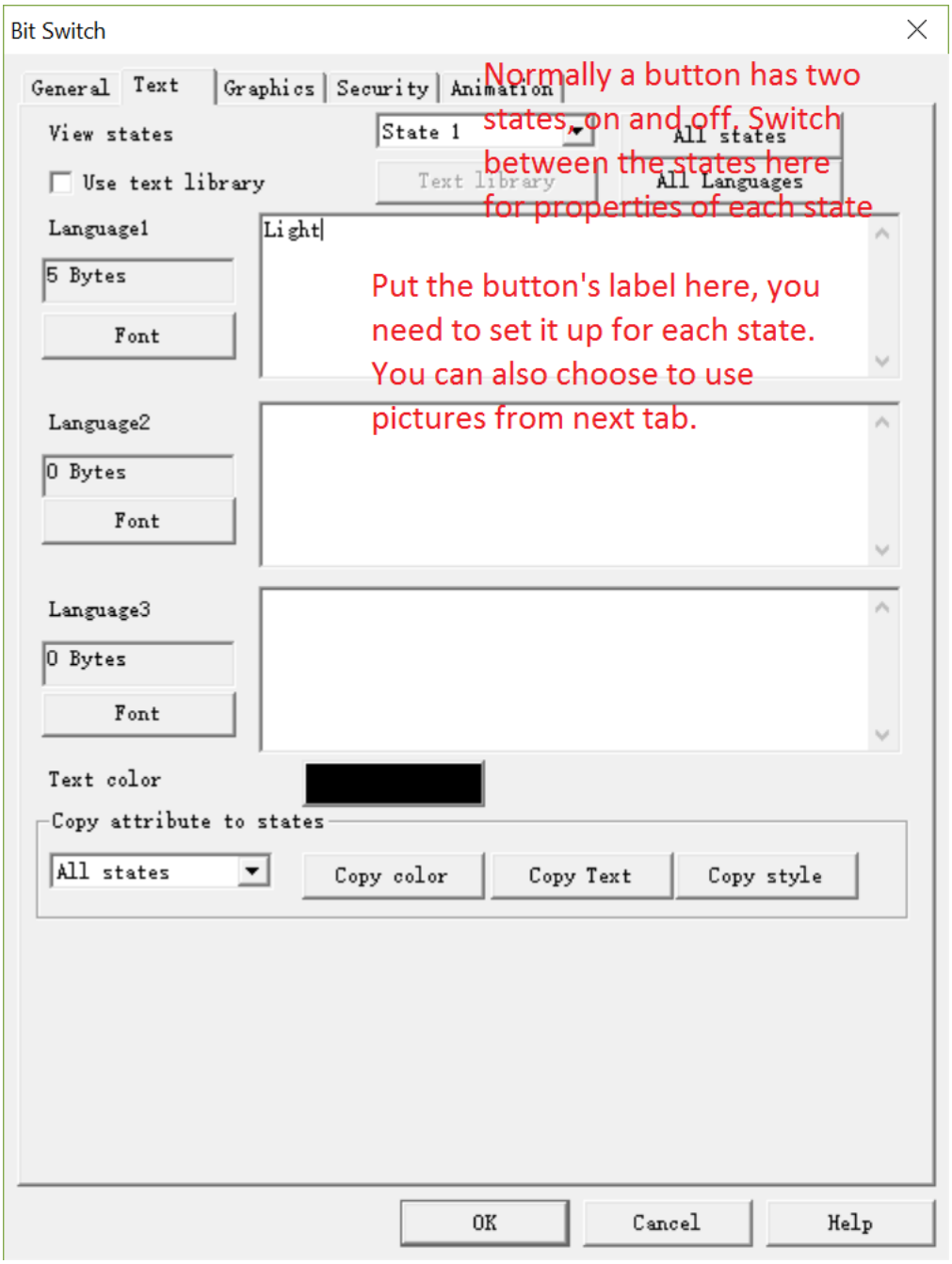
2. Press the “New Project” button, or choose “New Project” menu from “Project” menu. A window would pop up as the following one:

3. 

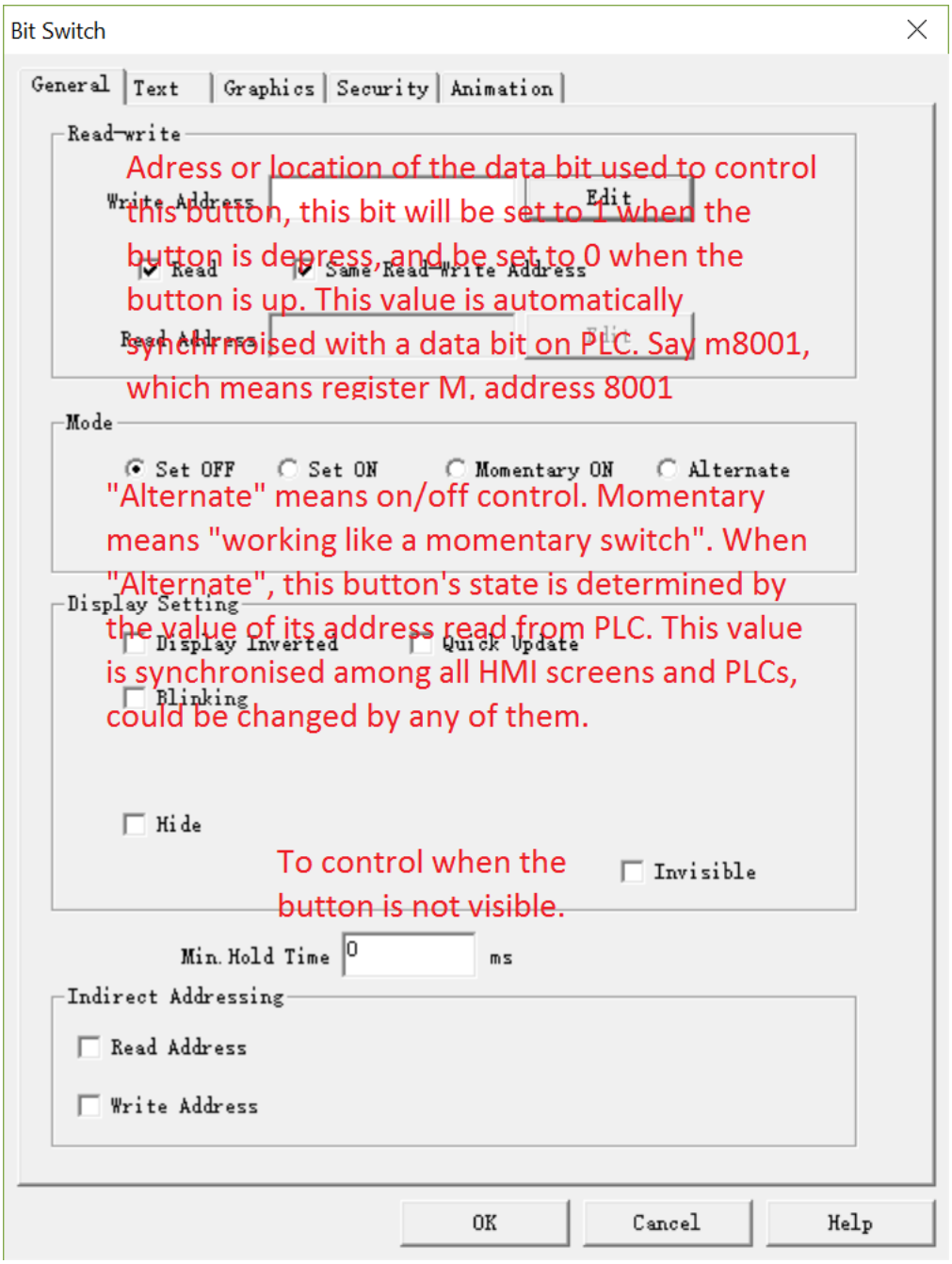
Choose Next to come to the following screen, then put a “Bit switch” onto the screen:



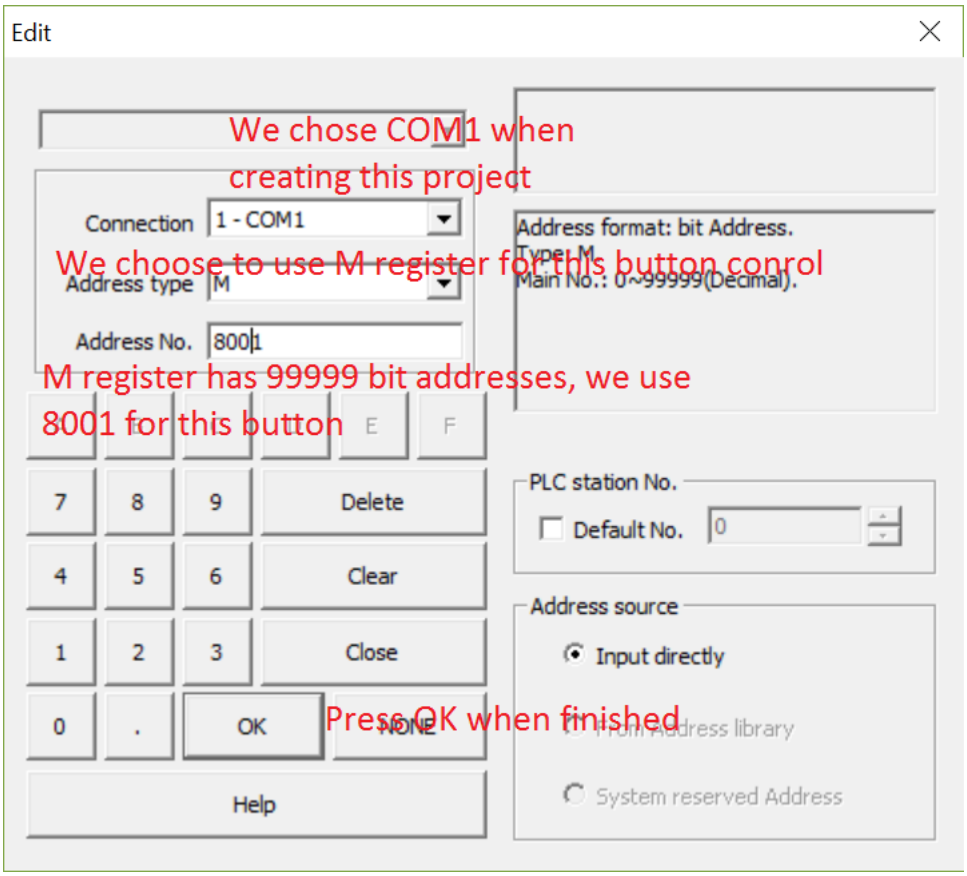
4. Set up the button’s properties, step 1.



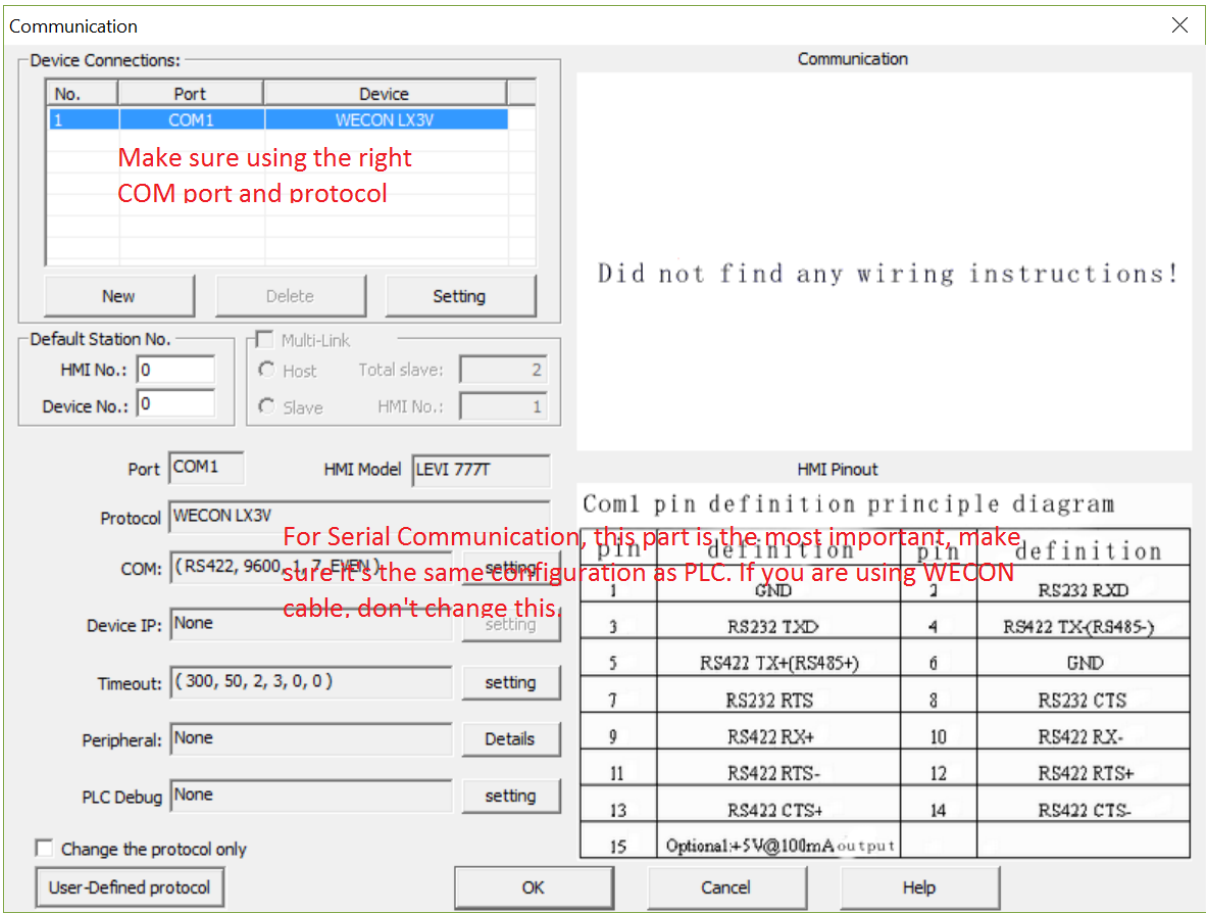
5. Set up the button’s properties, step 2.



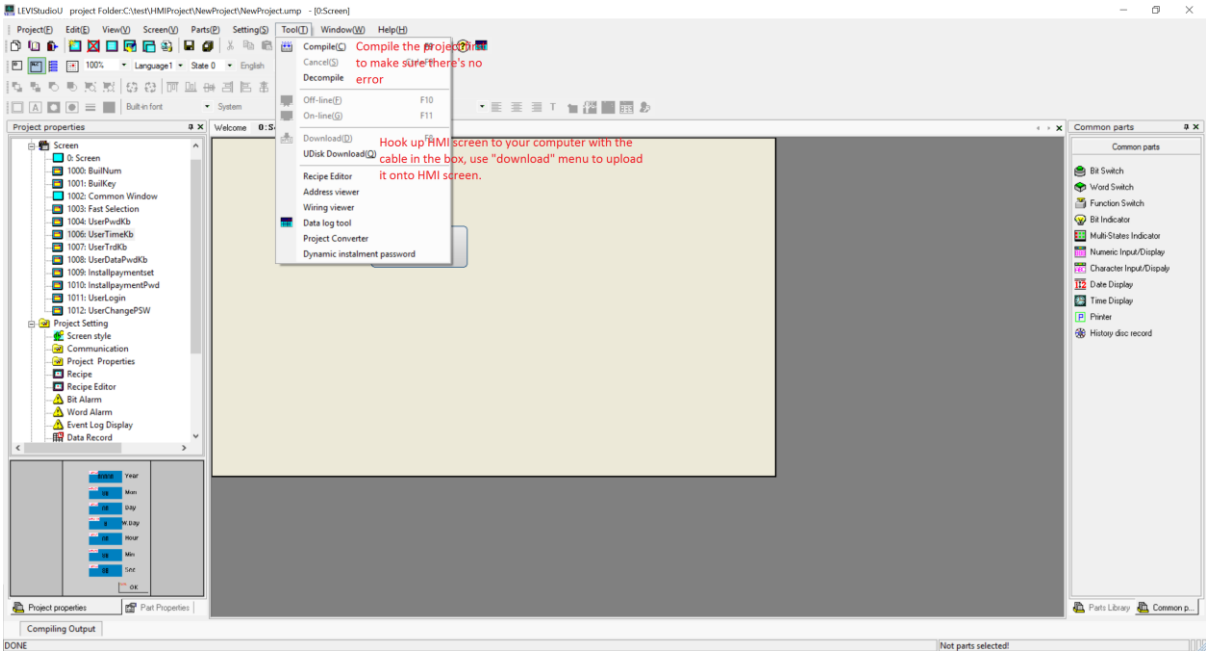
6. On this screen, click the “edit” button next to “Write address” to set its address. WECON PLC has a few predefined registers, which are really a segment of memory to store live data. X register is used for PLC’s inputs, Y for PLC’s outputs. That’s to say, “X1 = 1” means “input 1 is switched on”, “Y5 = 1” means “output 5 is turned on or energised, the if there’s a light hooked up to output 5, this light should be on now”. For other registers’ definition and how to use it, please refer to PLC’s help document. In this sample, we use M register to stand for the button’s states.



7. If you are using WECON protocol and WECON cable, that's all you need to do for the HMI project. If you are using your own cable for RS485, or other protocols like MODBUS, click on "Communication" menu on the left pane on the bottom.



8. Compile the project then upload it onto HMI screen if there's no error.



9. On the "download screen", if the connection is good, there's should be a USB option coming up instead of RS232. Use USB to upload the project.