2023-09-14

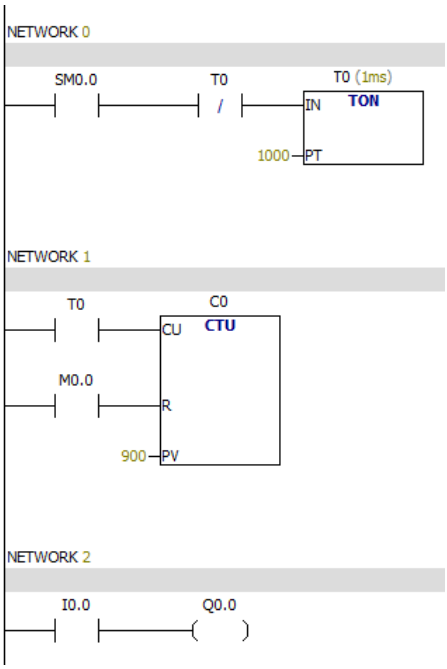
1. Fixed some bugs in offline simulation.

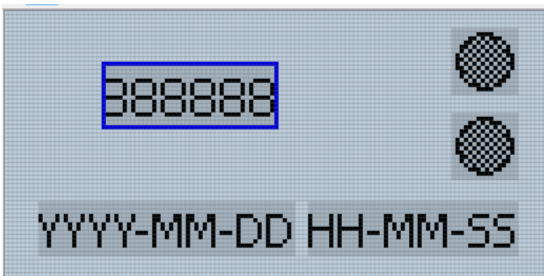
2023-08-30

1， Modified the offline simulation of xLadder software. For detailed usage, please refer to the following content:

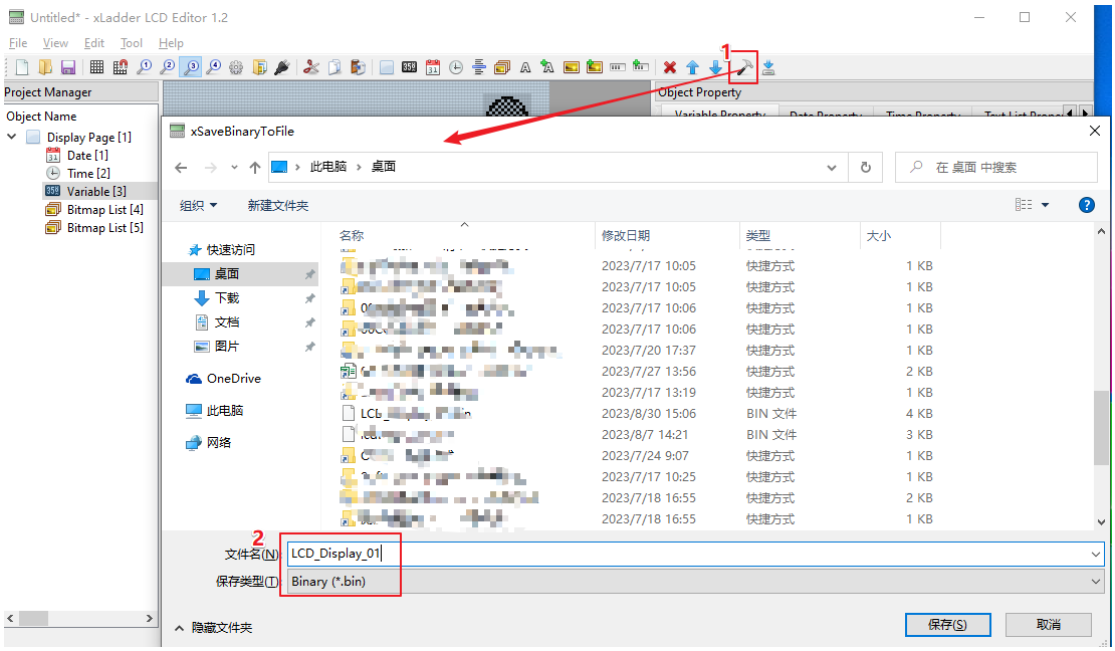
(1) Create xLadder and HmiEditor programs.



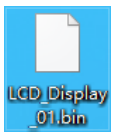




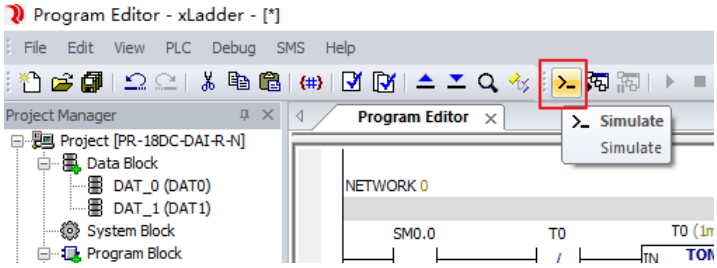
(2) Generate a bin file on the HmiEditor software.



A bin file will be generated under the selected path, as shown in the figure below:

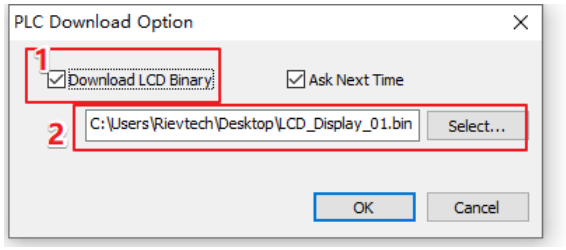


(3) Perform simulation operations on xLadder software.



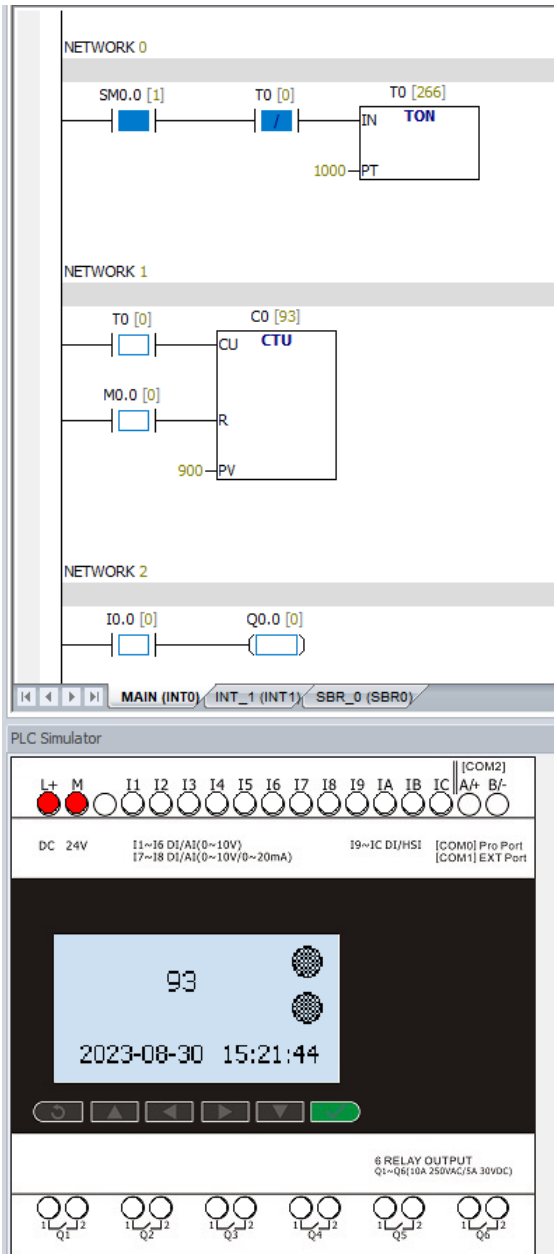
Click the 'Simulate' button in the toolbar to pop up the following dialog box, check 'Download LCD Binary', and then select the HmiEditor software to generate the bin file.

In addition, it should be noted that this step is also performed when downloading the xladder program to the PLC. The bin file of the LCD panel can be downloaded to the PLC together. When 'Download LCD Binary' is not checked, the bin file of the LCD panel will not be downloaded.

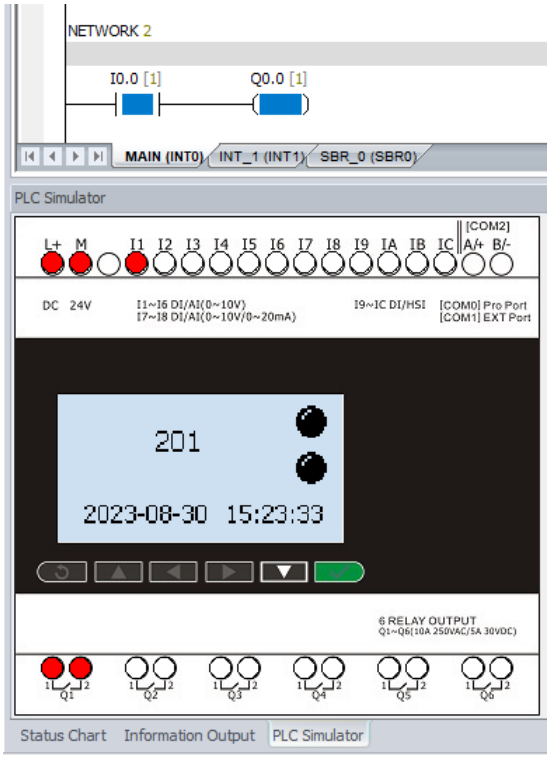


Then click the ‘OK’ button in the picture above.

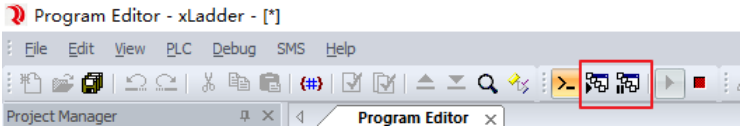
(4)The xLadder software enters the simulation state, as shown below:



You can click on I1 on the picture, I0.0 in the program will change to ‘1’, and Q0.0 will also change to ‘1’, as shown below:



(5) The two tool buttons in the figure below can pause the simulation and continue the simulation. Click the 'Simulate' button in the toolbar again to exit the simulation.



2, Fix the problem of program crash caused by communication timeout

3, Before monitoring, the program in the software will be compared with the program in the PLC. When the upper and lower programs are inconsistent, xLadder will give a warning.

4, If there is enough space when downloading the program, xLadder can download symbols and comment information, and the symbol comment information includes:

- Block names and comments of all program blocks, data blocks, symbol tables.
- Symbols and comments for temporary variables of program blocks.
- Comments for all rungs in the ladder diagram, comments for instructions.
- Symbols and comments for all variables in the symbol table.
- Comments for all entries in the data block.

Symbols and annotations can be restored after upload.

If there is insufficient space when downloading the program, the symbol comment information will be discarded automatically.