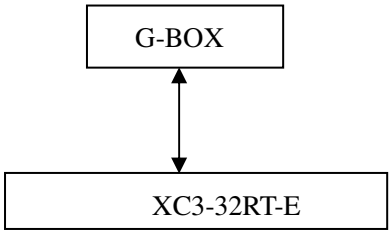
G-BOX application

Application introduction:

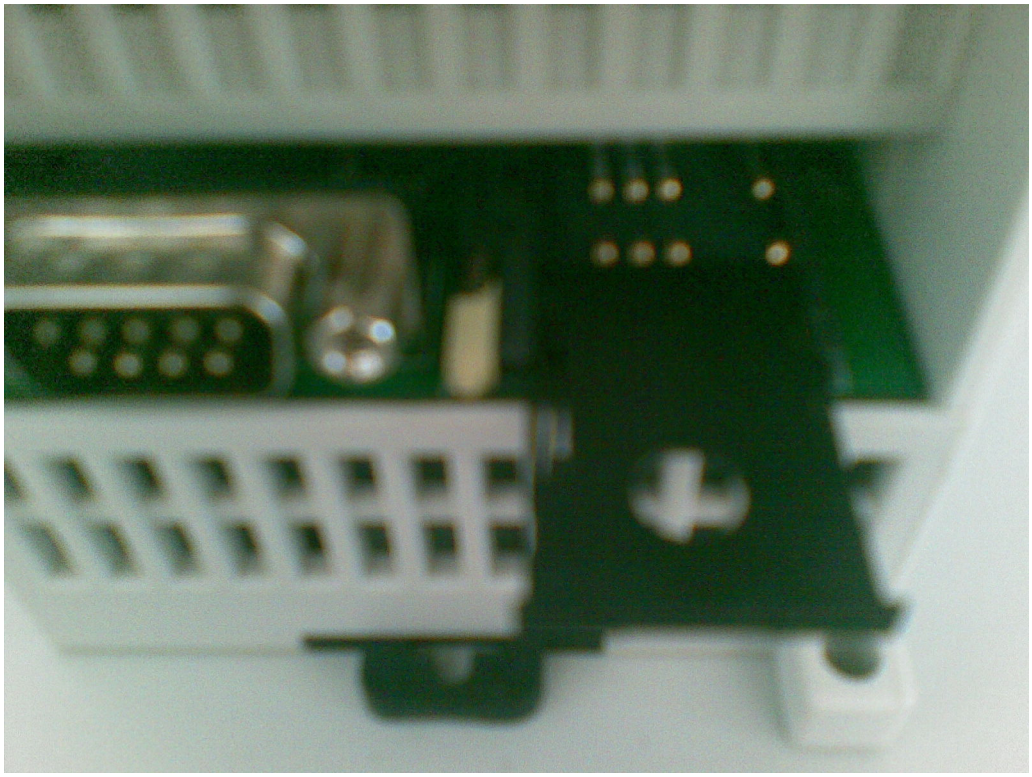


Use a G-BOX to connect with XC3-32RT-E PLC, to realize the following function:

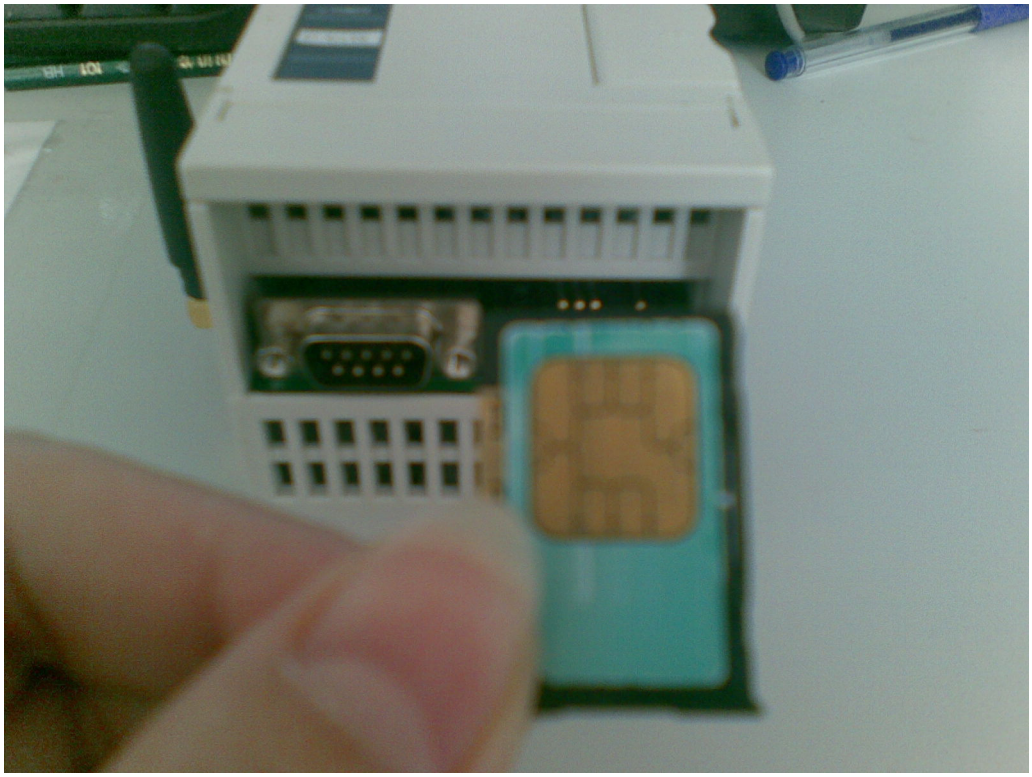
1. Send message: "W M0 1", the output LED Y0 will be ON.
2. Send message: "W M1 1", the output LED Y1 will be ON, Y0 will be OFF.
3. Send message: "W M2 1", the output LED Y2 will be ON, Y1 will be OFF.
4. Send message: "W M3 1", the output LED Y3 will be ON, Y2 will be OFF.
5. Send message: "W M4 1", the output LED Y0-Y3 will turn from ON and OFF in sequence.

Operation steps:

1. **The installation of SIM card**



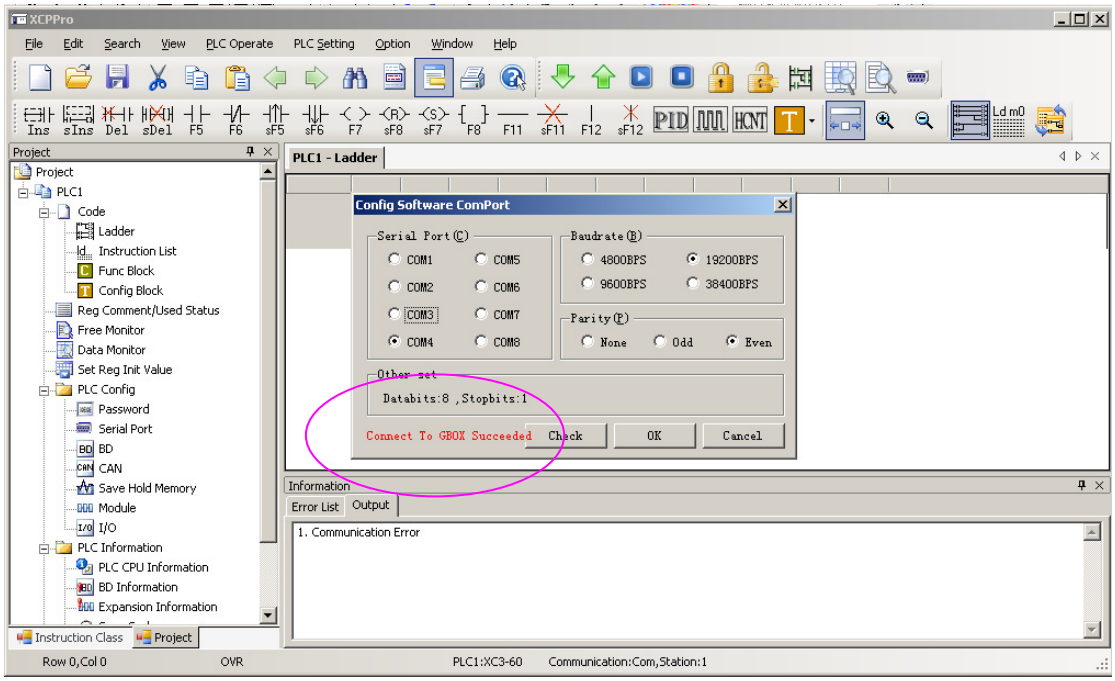
Add the SIM card, then insert them into G-BOX.(Make sure the SIM card support GPRS, and pay attention that when the card insert into G-BOX, all the message in it will be deleted.)



2. **T-BOX configuration**

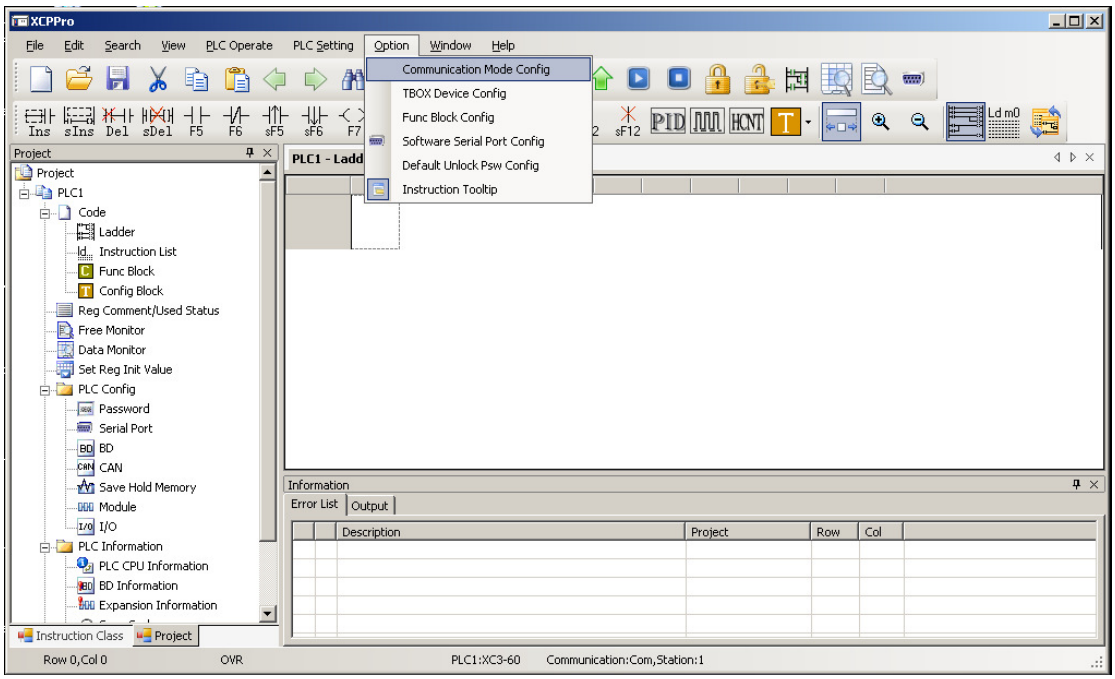
① Give G-BOX power, and connect the serial port of G-BOX to PC. Make sure the code switch is "0001". Then open the XCPPro.

Check the serial port:

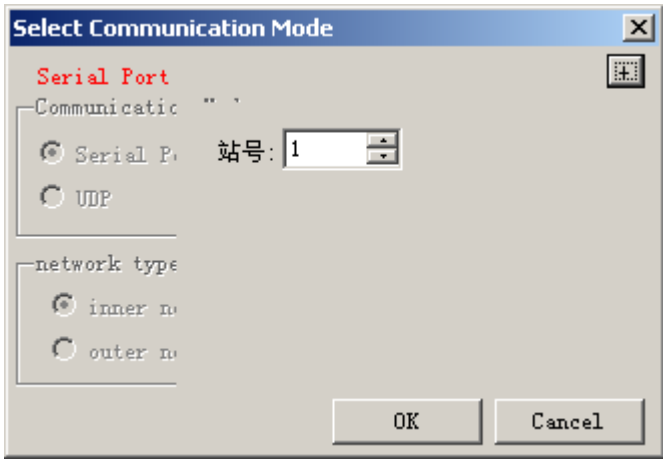


② Config as follows:

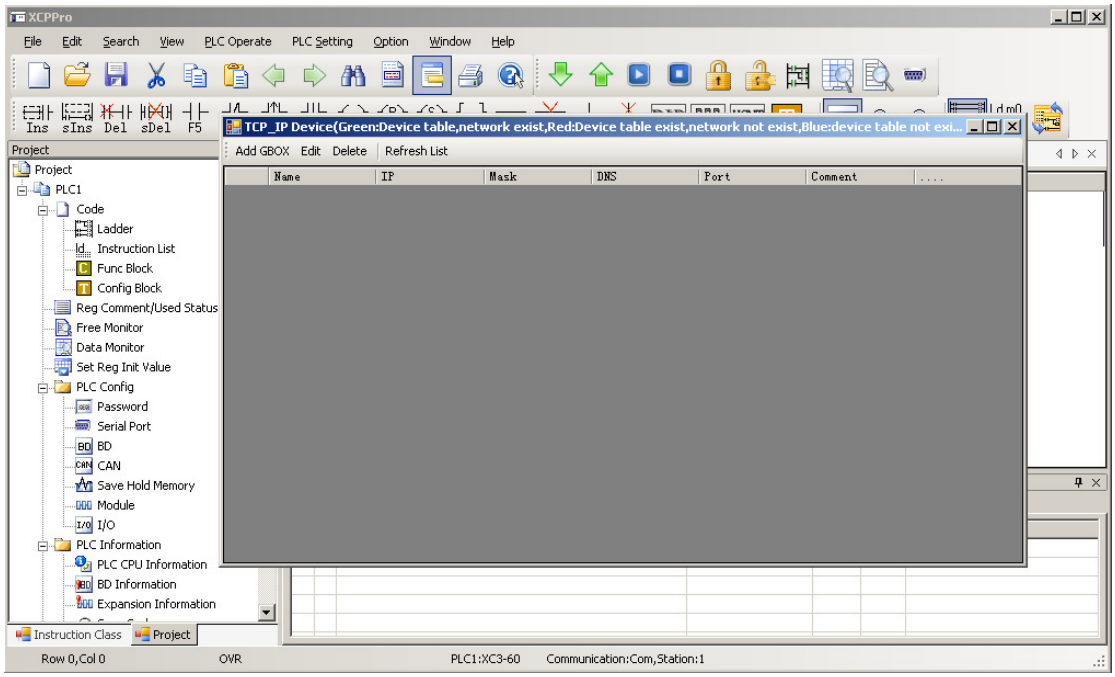
"option"→ "communication mode config"



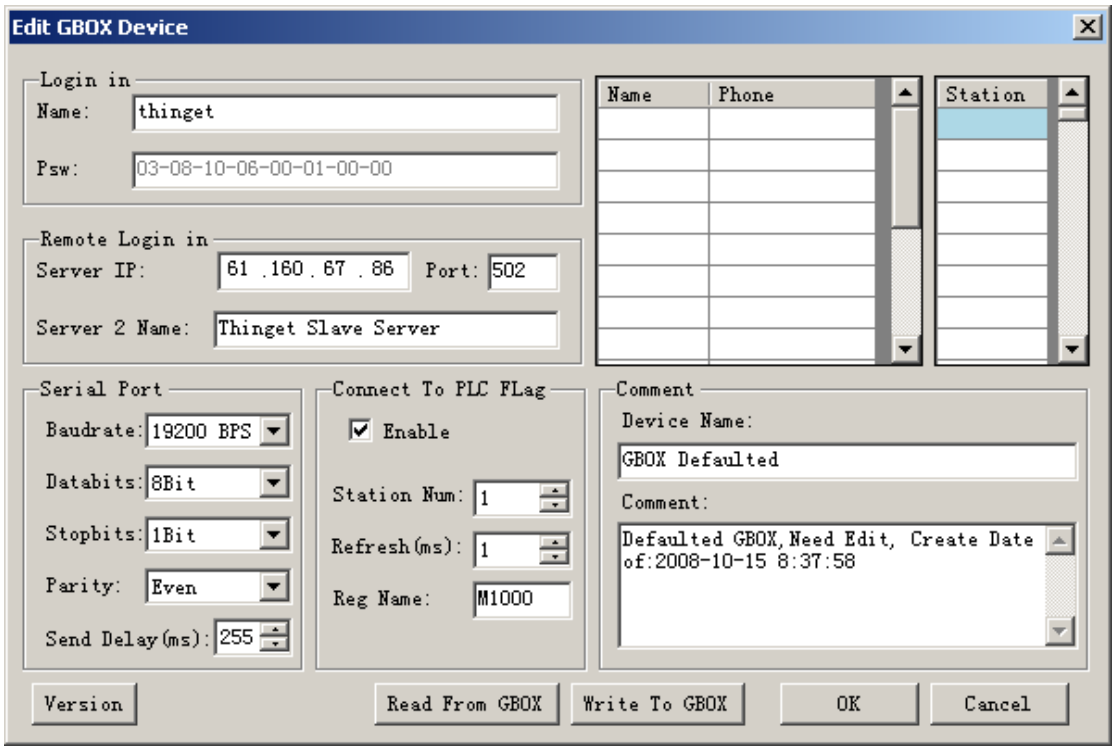
Click "+"



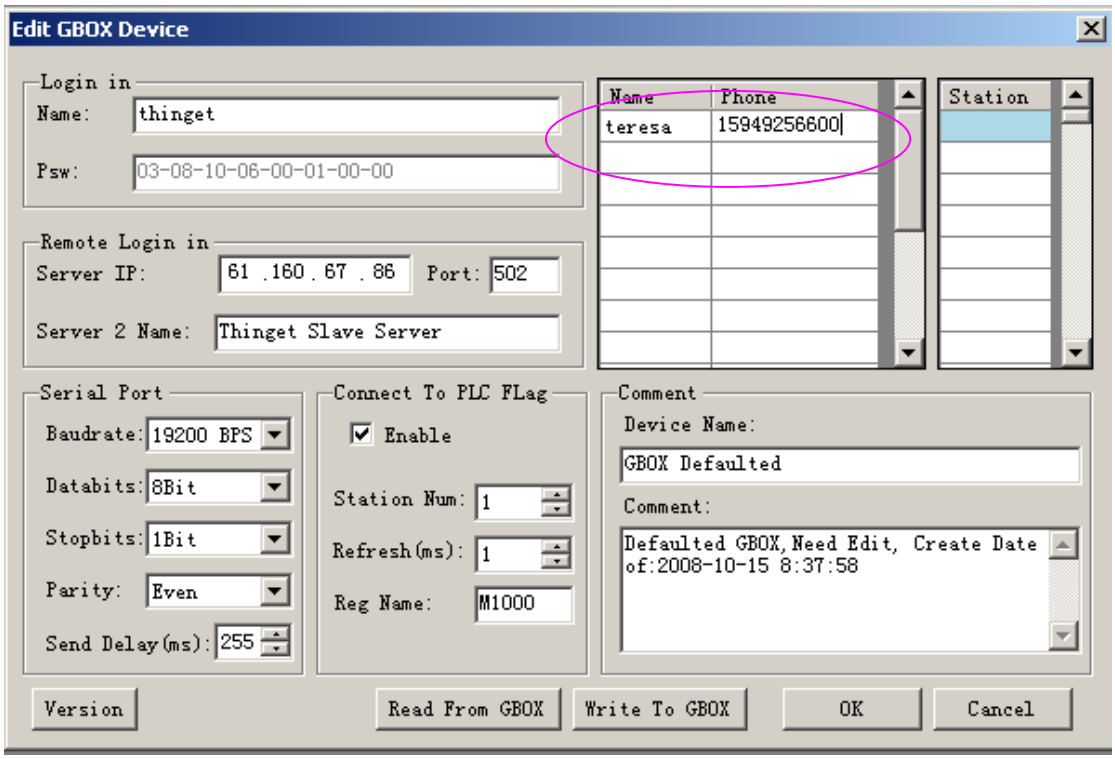
"Add G-BOX"



"Read from G-BOX"



Add your mobile phone number, then the number will be allowed to control the G-BOX.Then click "Write to G-BOX".



When all finished, click "OK", and cut the power, then give it again.(Only in this way, the information write to G-BOX will be useful).

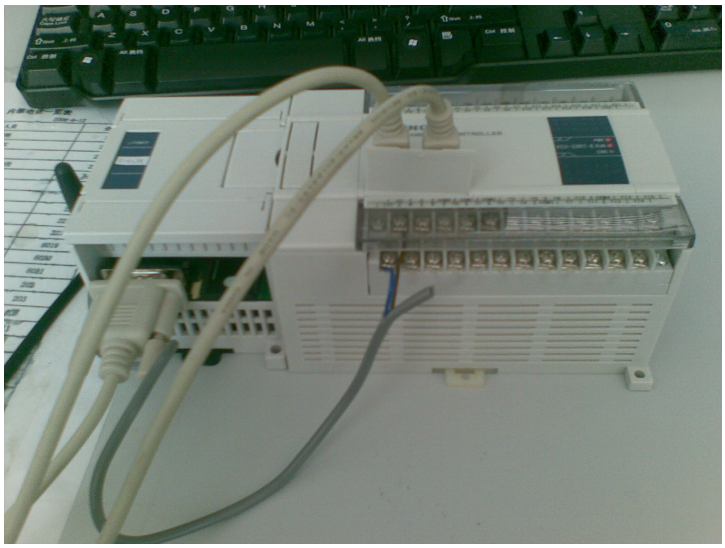
3. **Download program to PLC.**

PLC, G-BOX, PC connect as below:

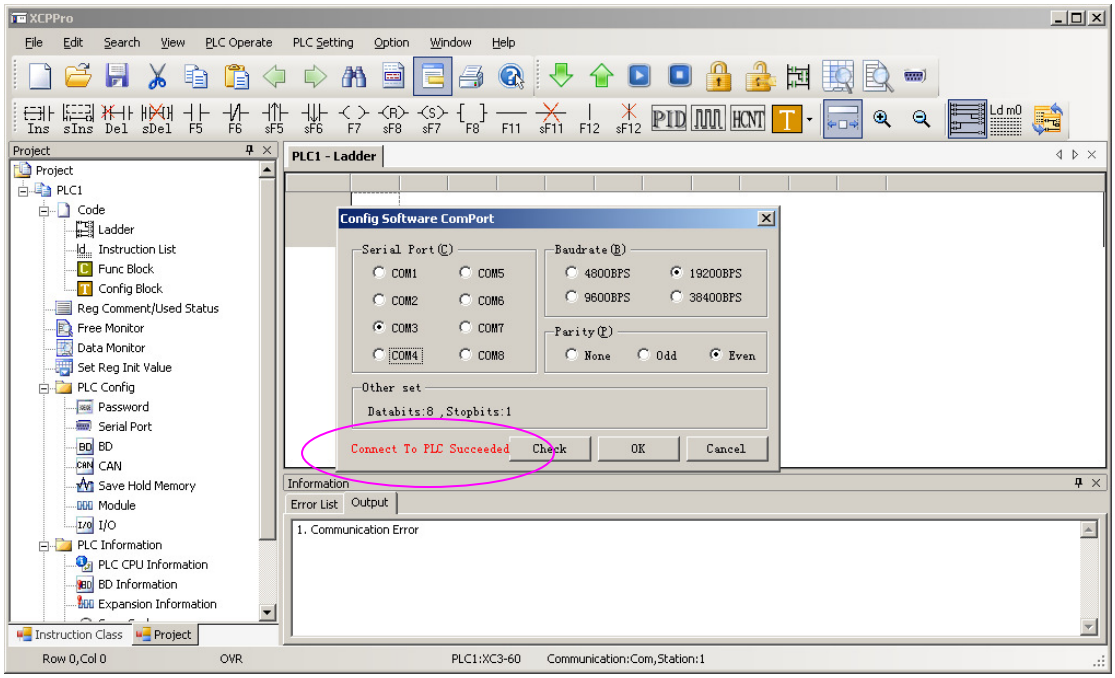
G-BOX serial port → PLC port 1

PLC port 2 → PC

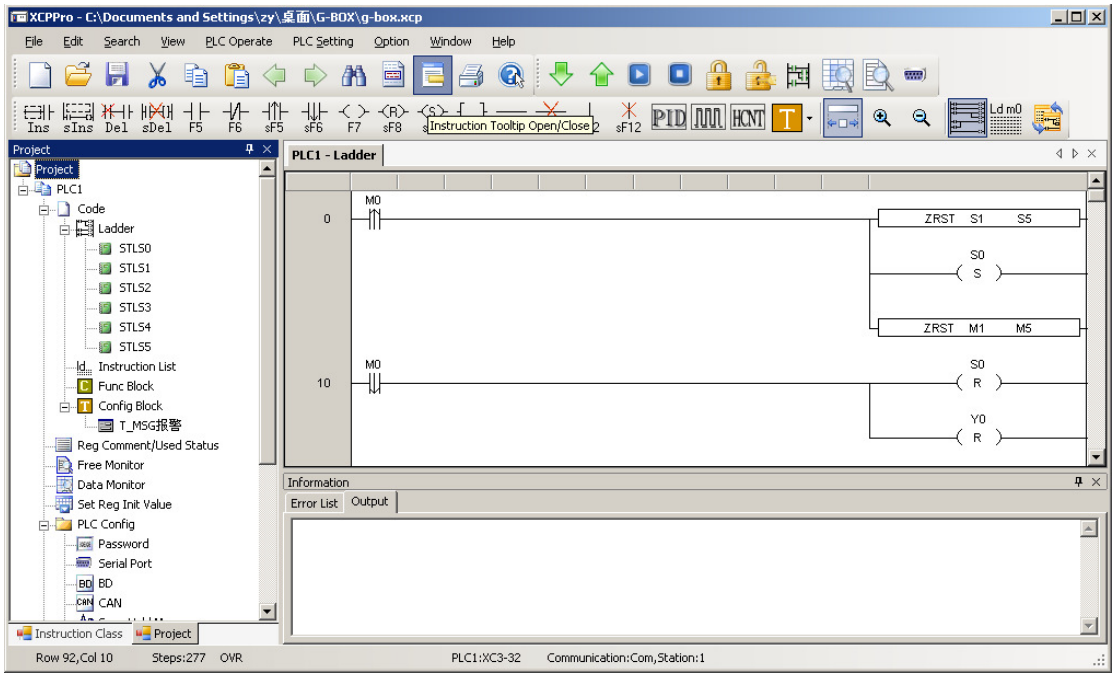
Make sure the code switch of G-BOX is "1000".



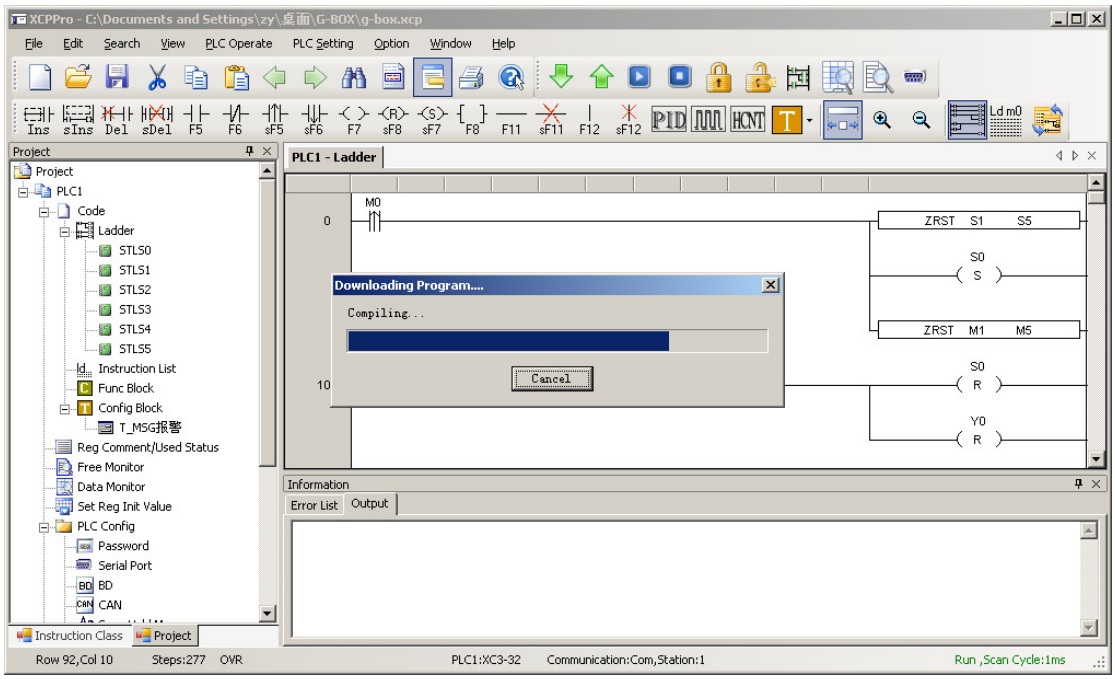
Open the XCPPro, and test the PLC port.



Open the program:



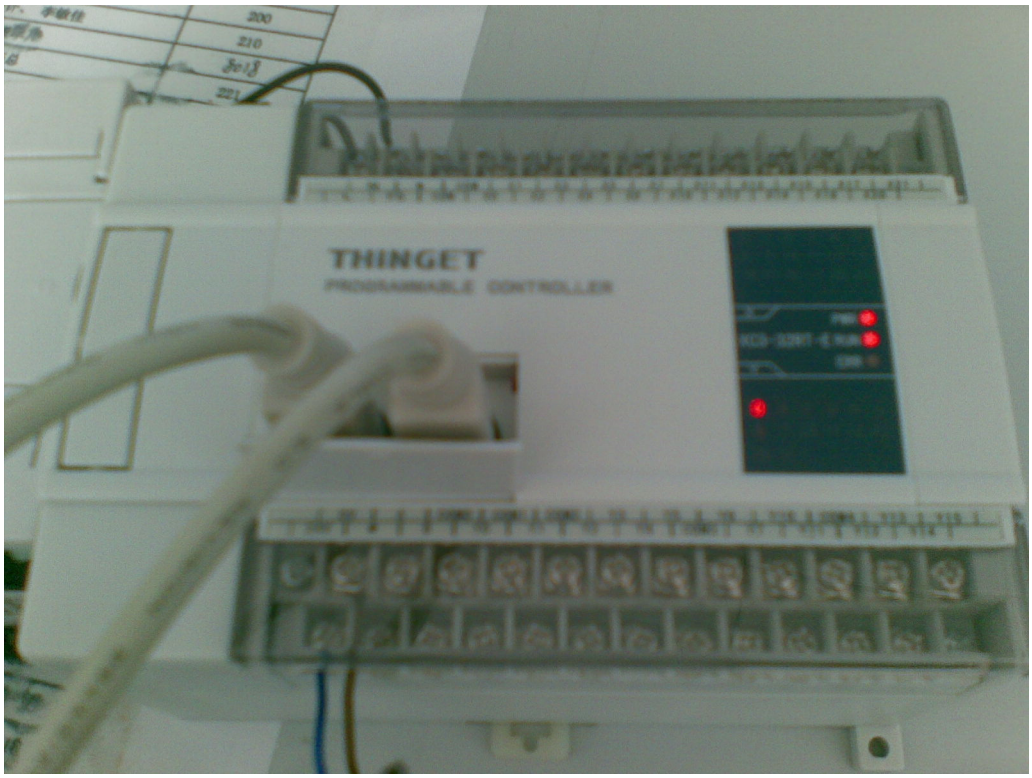
Download into PLC:



Then click "Run", the PLC will be controlled by G-BOX.

4. **System test**

Send the message: W M0 1
The PLC Y0 LED will be ON:



Then send the message: W M3 1
The PLC Y3 LED will be ON, Y0 will be OFF:


THINGET
PROGRAMMABLE CONTROLLER