

A-53x Series Controllers quick manual

A. Basic parameter setting

Setting steps (as shown in Figure 1) :

Step 1: Execute Editor.

Step 2: 1. Open the parameter setting page

Step 3: 2. Select the Hardware Label

Step 4: 3. Select 53x Series/C1.xx

Step 5: 4. Select the Ethernet 0 tab and set the IP address (as shown in Figure 2)

Figure 1

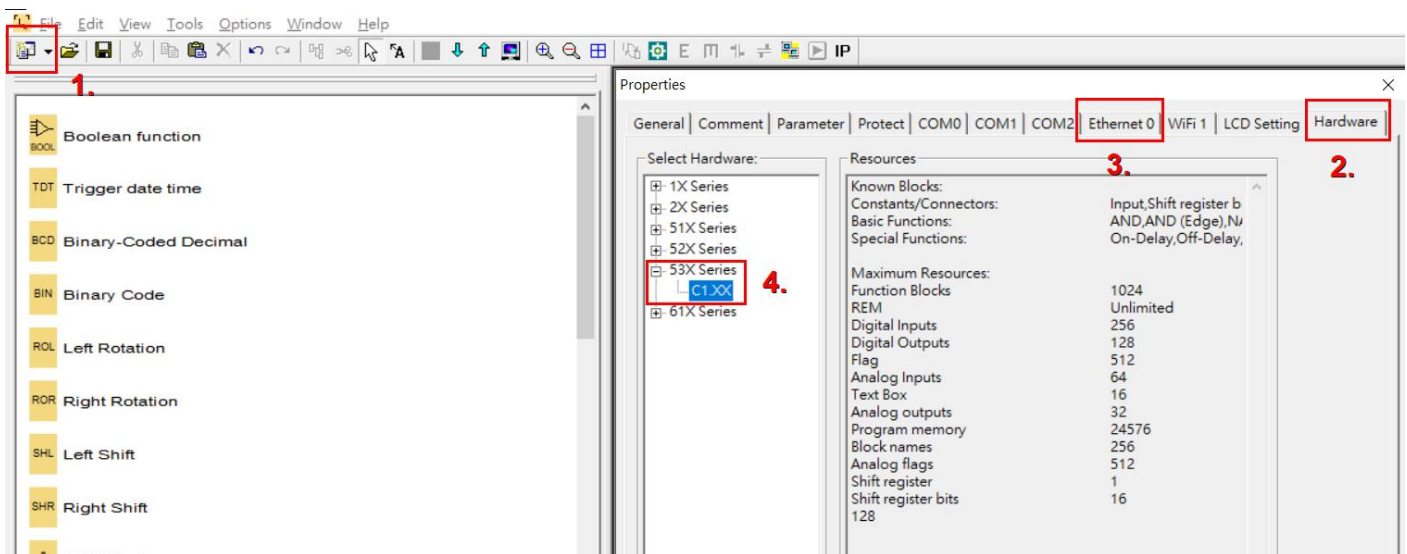
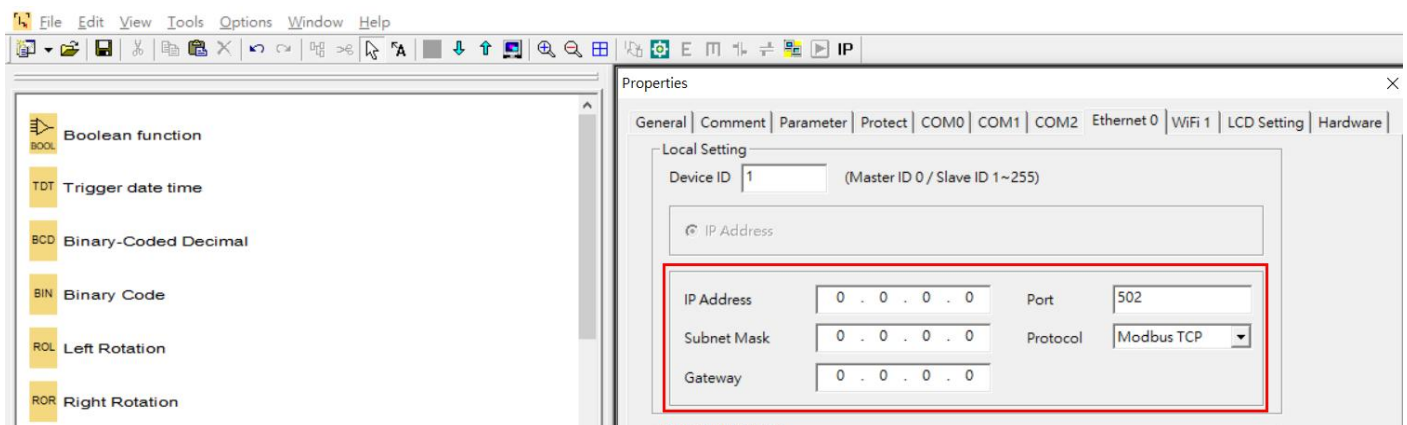


Figure 2

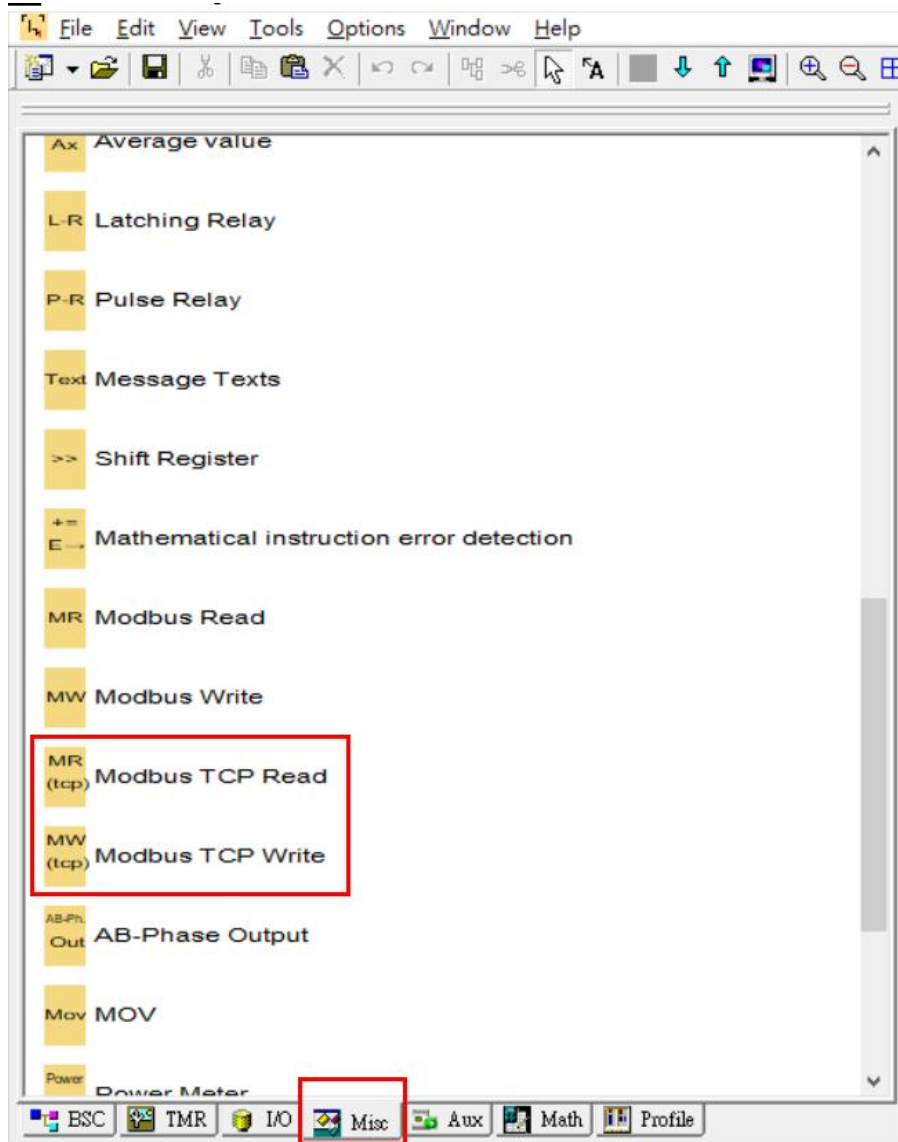


Please note :

1. All controllers (including A-51x/A-52x/A-53x) need to be set and upload/download programs in Editor (INIT mode). In Utility, only the values of the controller's Output/Input points can be monitored.

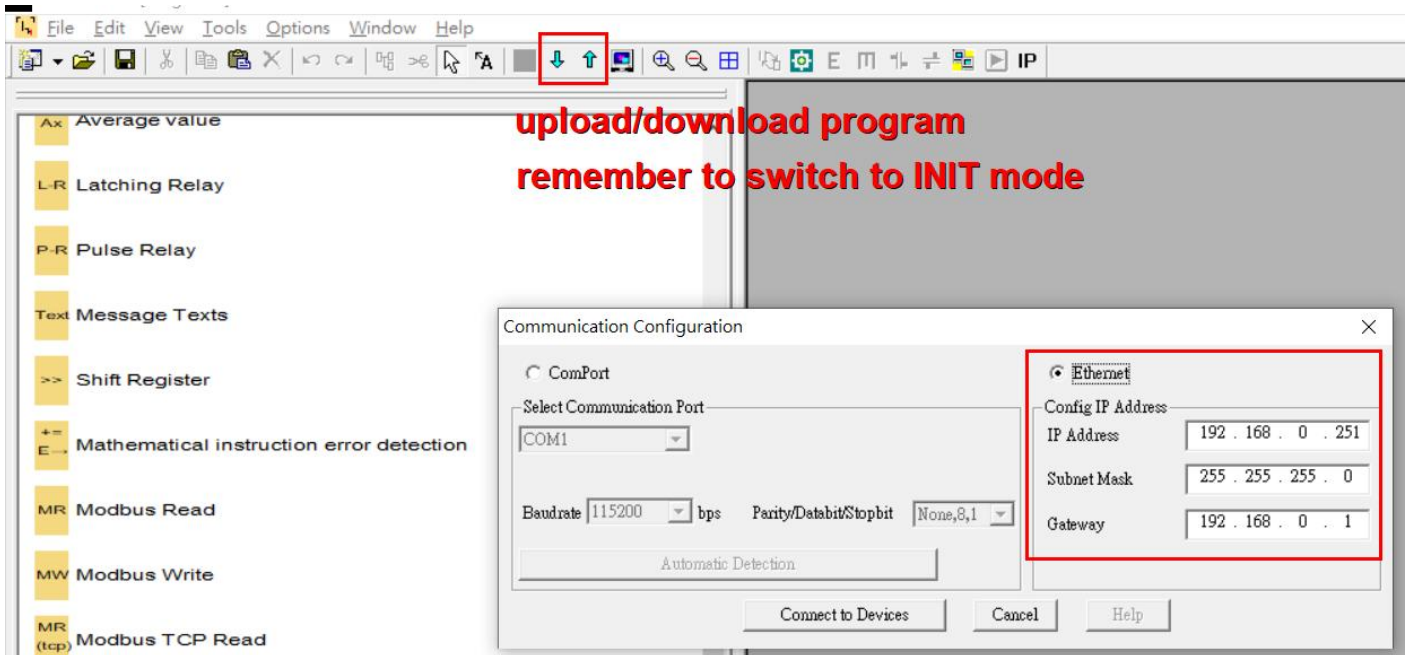
2. Make sure to set up and upload/download programs in INIT mode, and switch back to NORMAL mode to operate after completion.
3. The USB interface of the A-53x series controller is only used for PLC program download/upload, and to monitor the value of the Output/Input points of the controller in Utility; USB is not the device communication port. Noted: COM0 (9 pins) is used for RS-232, and COM1~2 are used for two RS-485. When using COM0~2 in step 5, please select the corresponding COM port for setting.
4. Program function blocks of the network controller(A-53x/A-52x) have two more function blocks than other controllers(as shown in Figure 3), and the rest of the program function blocks are the same as A-51x Control_Manual.

Figure 3



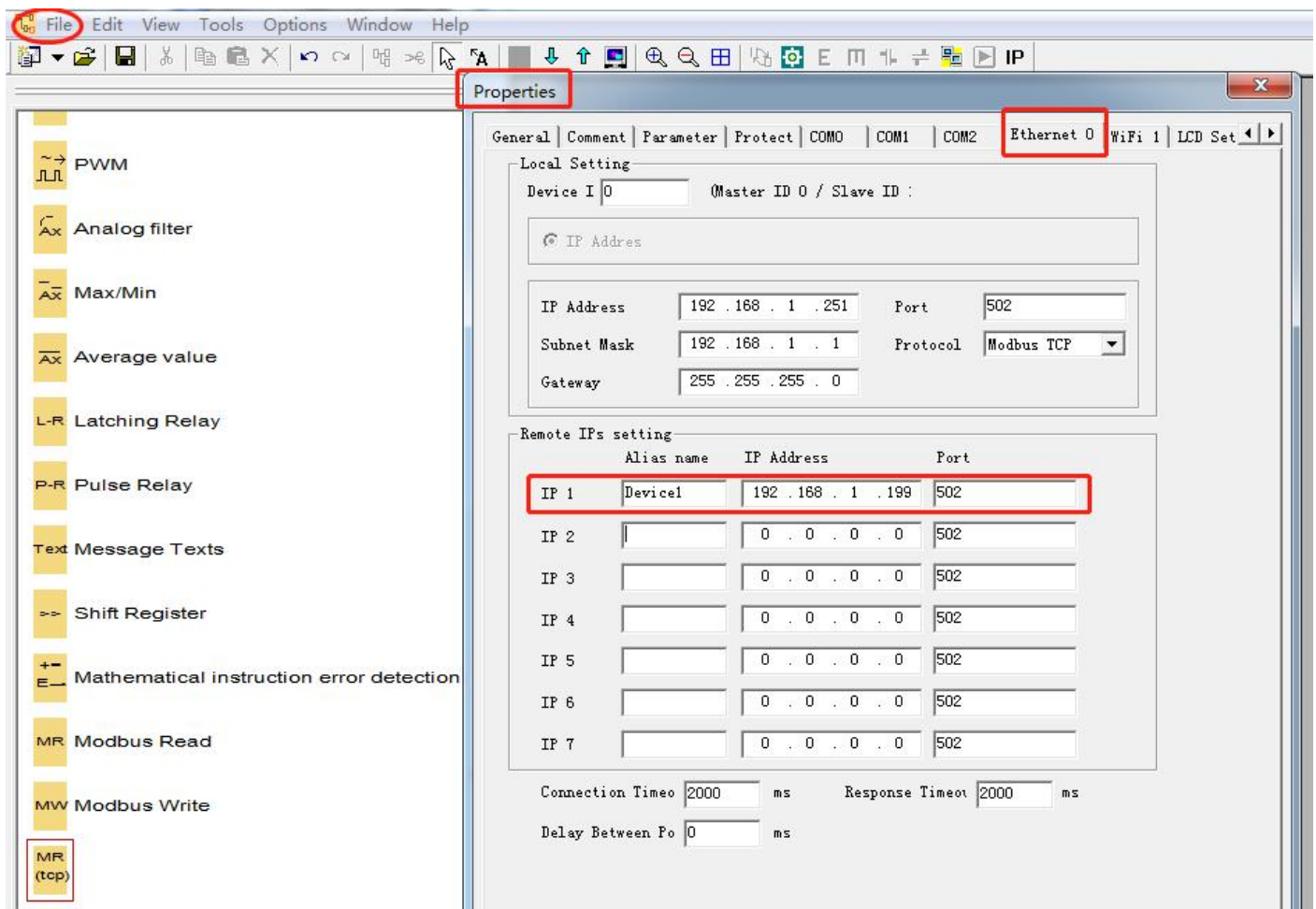
B. download/upload program via Ethernet for A-53x controller

In initial mode (INIT mode), the default IP address of A-5389 is 192.168.0.251, you can use this IP address to download/upload programs. Please note that your PC/laptop needs to be in the same LAN (such as 192.168.0.1~250).



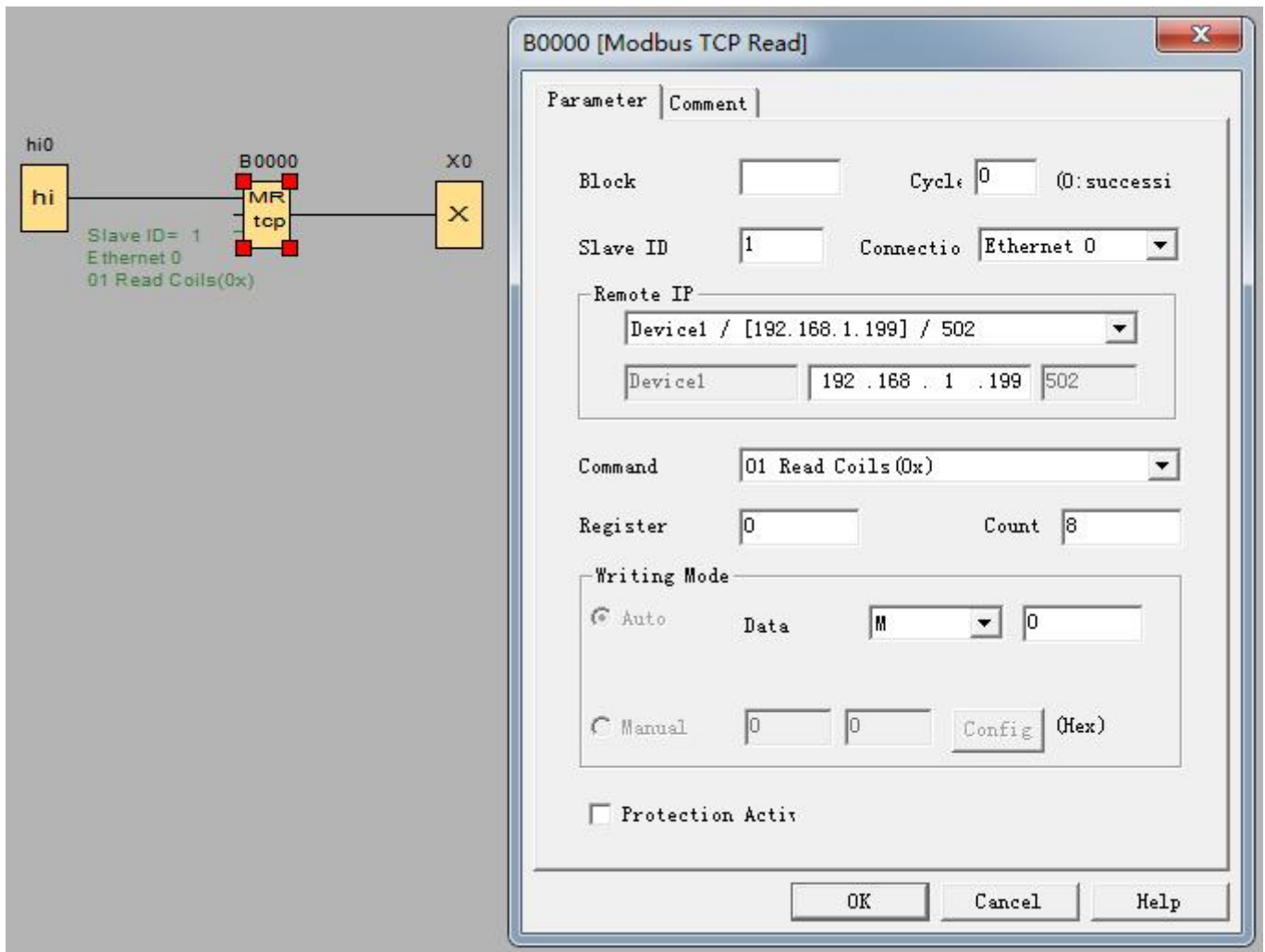
C. connect A-53x controller to other network devices via Ethernet (up to 7 units)

Just enter the aliases name and IP addresses of other devices one by one, and you can control up to 7 network devices.



Add a [MR TCP] function block.

When the signal in En is high, the [Modbus TCP Read] block will be activated.



In this example, the controller's own IP address is set to 192.168.1.251 and operates in the master station mode. Remote Slave Device IP is 192.168.1.199, Slave station ID:1, read Register 0, Count 8, to controller own register M0-M7.

For more explanation of function block parameters, please refer to the internal help document of the Editor software.