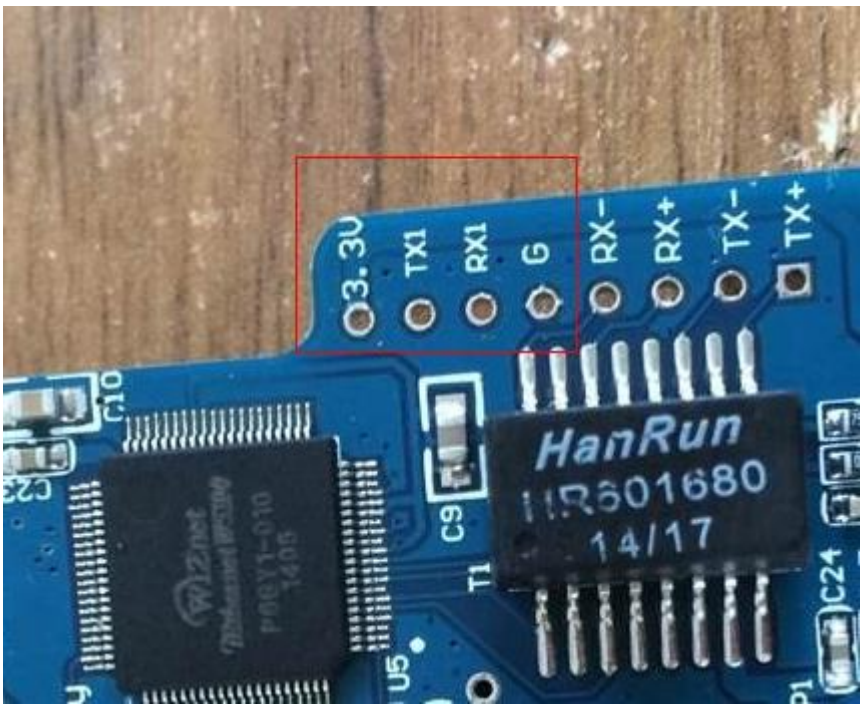
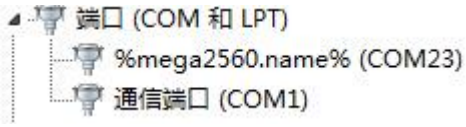
1. Burn the ip.ino into the Arduino 2560
2. Connect the Arduino 2560 with the remote relay controller according to the corresponding pins below:

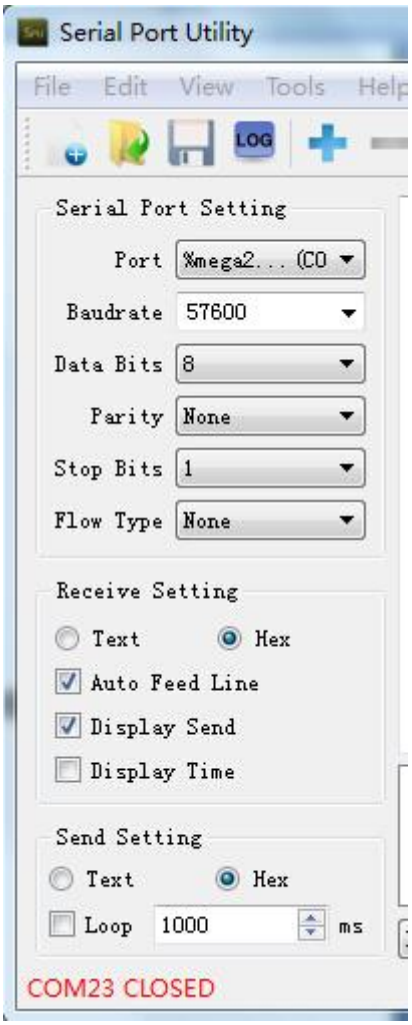


2560	remote relay controller
3.3V ----------	3.3V
TX ----------	TX1
RX ----------	RX1
G ----------	GND

3. Connect the Arduino 2560 with your PC with USB cable. Then check the COM in the Device manager.



Enter the Serial Port Utility (a serial software which you need to download first) and set up the specification accordingly



4. Set up the IP address and port number of the controller in the Serial Port Utility. Here is the regulation:

FB 21 55 18 + data length (hexadecimal) + IP address data

(hexadecimal) + port numbers (hexadecimal)

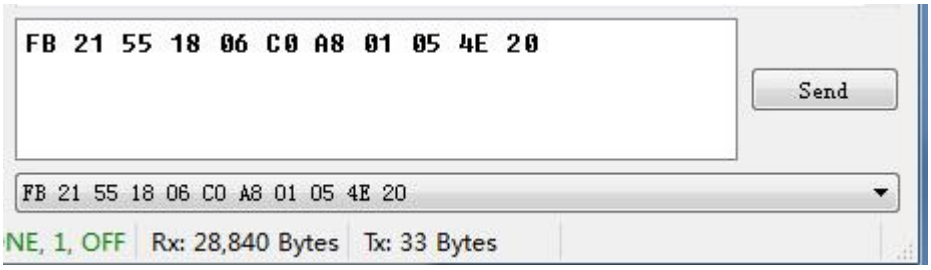
*Note: data length = the group number of IP address data + the group number of port number

For example, if you want to use the

① IP address of 192.168.1.4 (which is decimal digit) and port number of 30000 (which is decimal digit) on the controller. The command should be:

FB 21 55 18 06 C0 A8 01 04 75 30

② IP address of 192.168.1.5 (which is decimal digit) and port number of 20000 (which is decimal digit) on the controller. The command should be:



Note: for how to change the numbers from decimal digit to hexadecimal, you could just use the calculator of the PC. Transfer it to the Programmer mode, choose the decimal digit and enter the number as below:

Then click the hexadecimal button, you could easily get the transformation.

Click “send” after the IP address and port setting of the remote relay controller is complete.

5. If the setting is correct, Serial Port Utility will return the value FB FF 5B. Meanwhile, the LED on the remote relay controller will flash.

6. After all setting, unplug the cables from the remote controller and check if the it is working properly.