



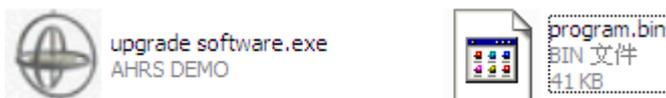
## Feiyu Tech Firmware Upgrade Procedure

**WARNING** – Before firmware upgrading:

- A) Remove the controller module from all connections (Remove ESC/RC wires).
- B) Do not disrupt the Firmware uploading process (e.g. moving your laptop resulting in lost connection). Disrupting the process can damage your controller module processor.
- C) If you are using a portable computer, make sure you have enough power to carry through the updating process. This is to prevent B) above.
- D) Follow the steps below **EXACTLY CHRONOLOGICALLY**.  
If you skip any step, firmware upgrade will fail.

### THE PROCEDURE

**STEP 1:** Download the software onto your desktop. Download both the firmware upgrade program and the require firmware (.bin file) :



**DO NOT OPEN THE FIRMWARE PROGRAMM YET.**

**STEP 2:** If you have not done so, please install the USB TTL Cable driver from FY websites. The computer **will not** recognize the USB TTL Cable if the proper driver is not installed.

**STEP 3:** Connect the USB-TTL cable to the computer. **Note** – **do not connect the controller module yet.**



**STEP 4:** Open the FY Firmware program:

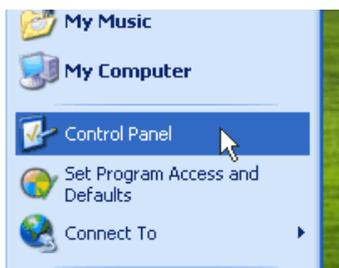


**STEP 5:** Select the right Com port number, and select 19200 as the baud rate.



1. If you do not know which COM port number, do the following:

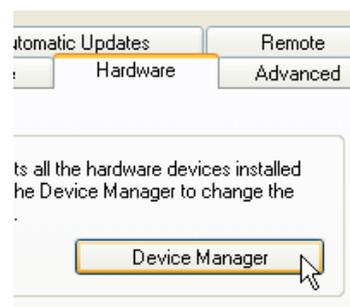
Click your control panel:



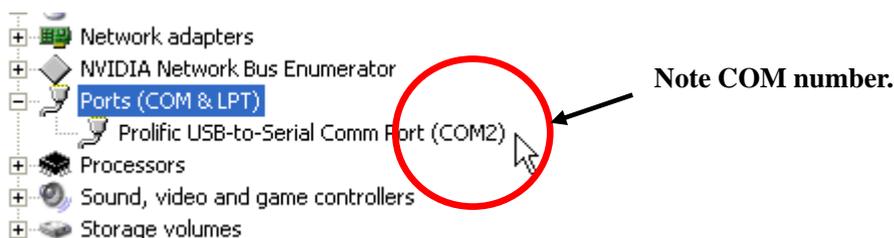
Click on system:



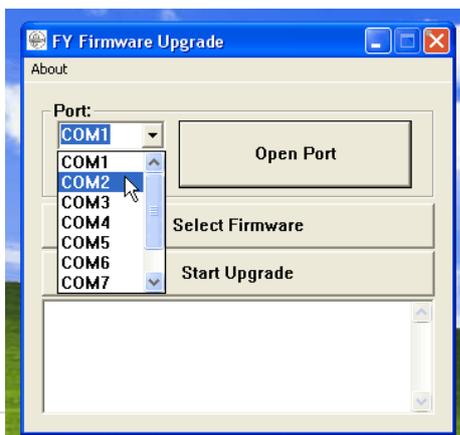
Hardware, click Device Manager:



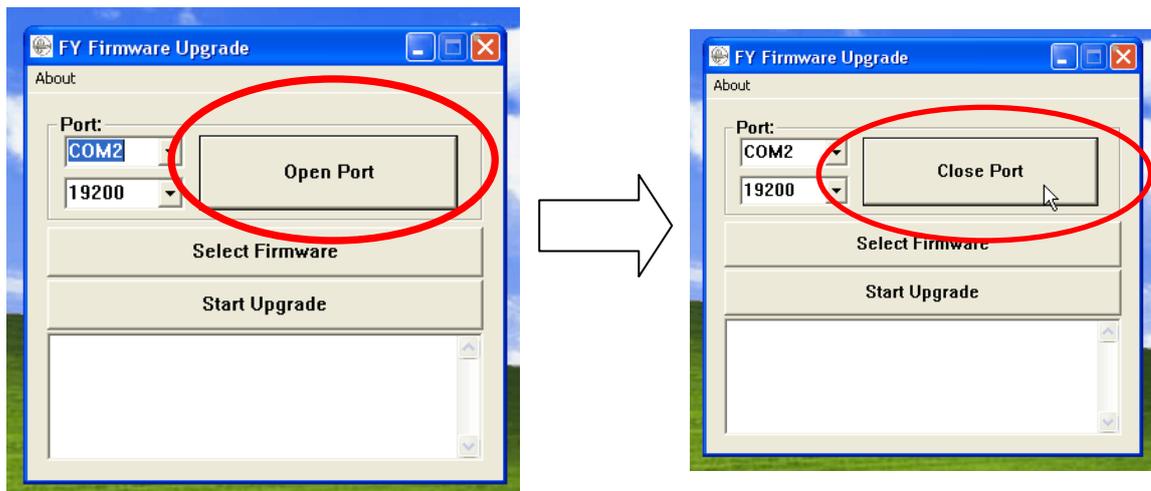
Check the COM Port number for Prolific USB-to-Serial Comm Port:



Select the above COM number onto your Firmware upgrade program:



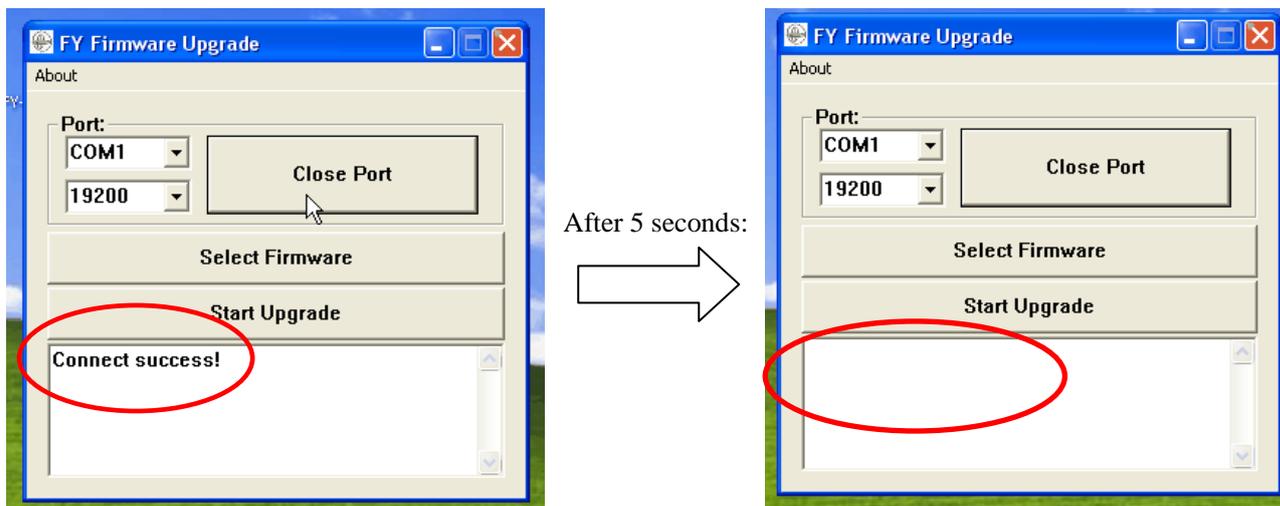
**STEP 6:** Click “Open port” button. If the COM port is right, the word “Open Port” will change to “Close Port”. Check your COM port number again if this fails.



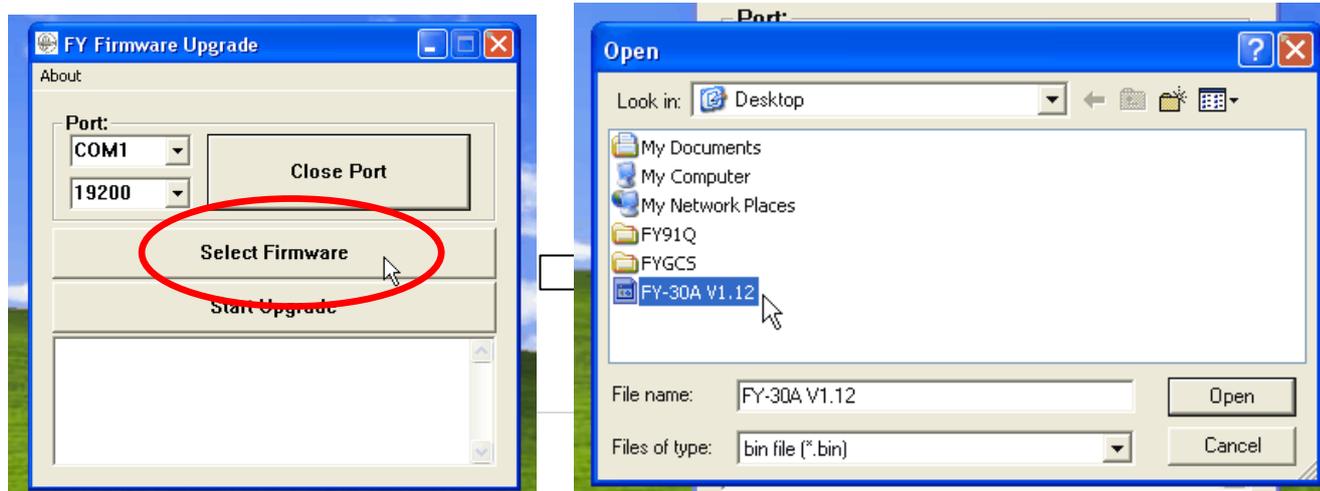
**STEP 7:** Plug the Serial connector to the controller module [-,+ ,UART] port.

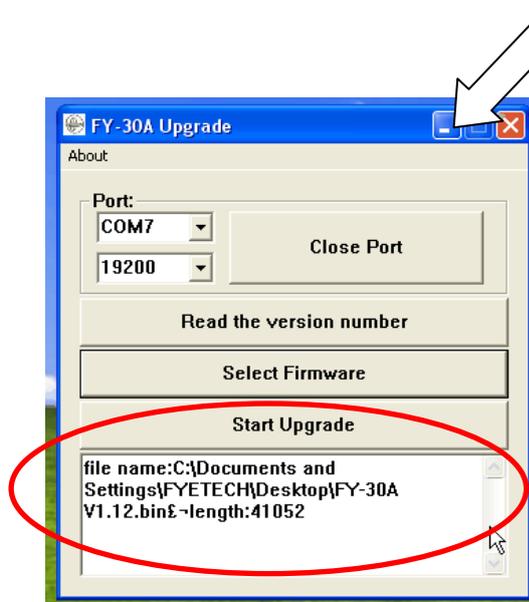
Please ensure the polarity of your wires is correct. **The RED wire is “+”.** **Wrongly connecting the polarity will damage your controller module.**

2. After plugging, you will see “**Connect success!**”. If connection is not successful, go back to **STEP 1** (repeat):



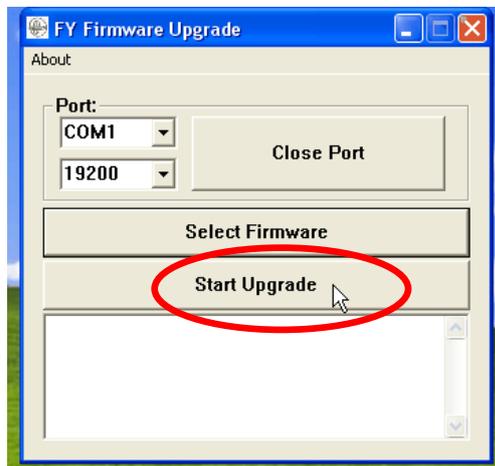
**STEP 8:** Select the firmware to be uploaded:





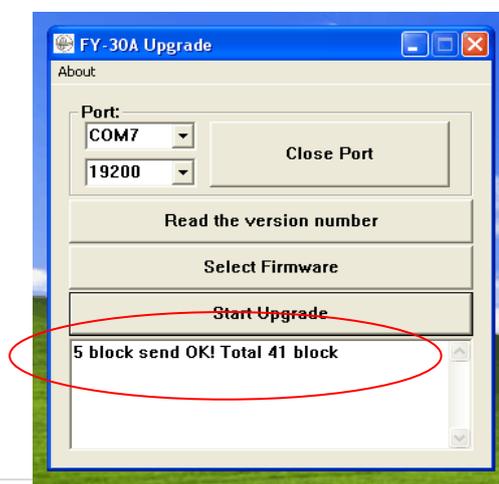
The firmware will be noted on the screen. **This note will disappear after 5 seconds.**

**STEP 9:** Press the Start Upgrade button:

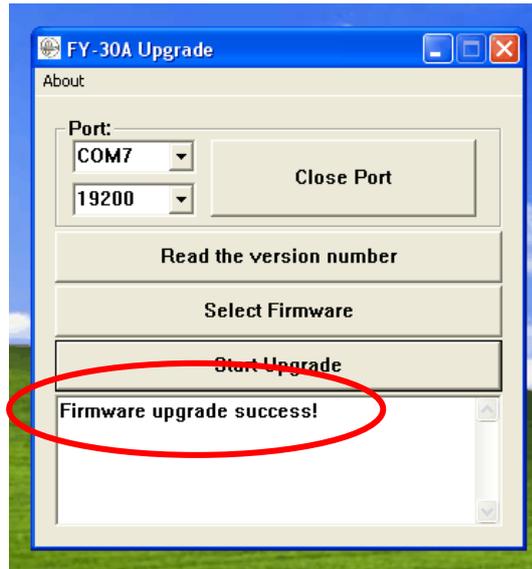


3. Immediately after pressing 'Start Upgrade', the software will show blocks of firmware being sent to the controller module.

**DO NOT DISRUPT THIS PROCESS. DOING SO WILL DAMAGE YOUR controller module.**



4. After completion of the firmware upgrade, the software will show successful upgrade:



5. Unplug the controller module. Label the Version that you have uploaded and test fly the new firmware.

---END---