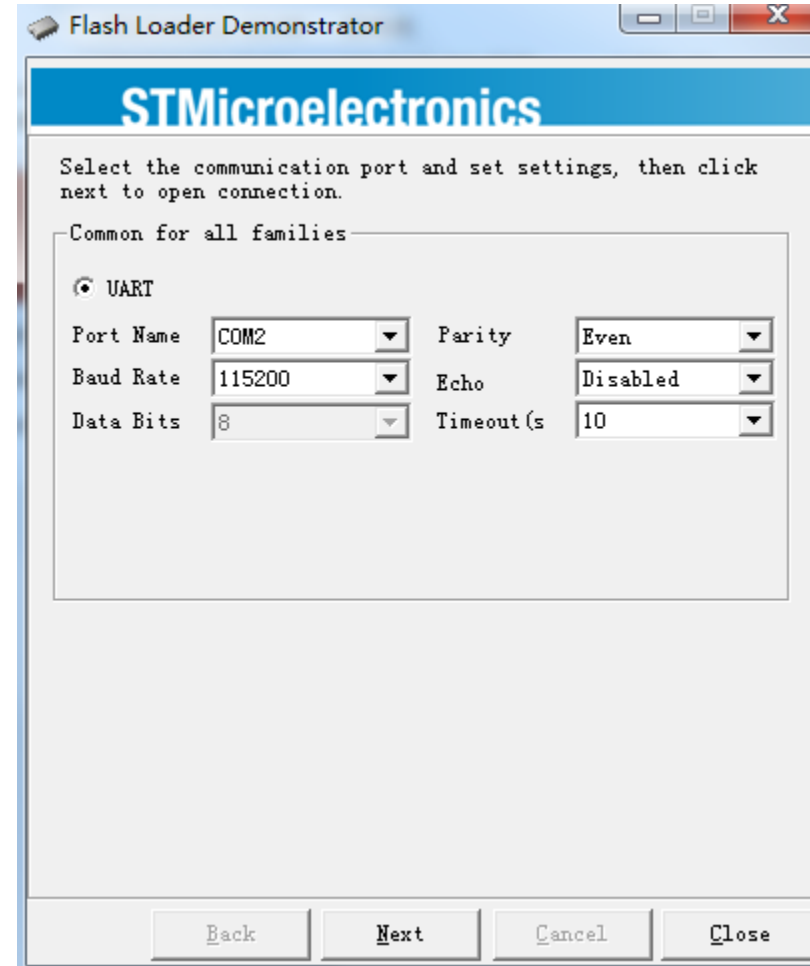


How to program the Aeolus RF board and 6CH receiver

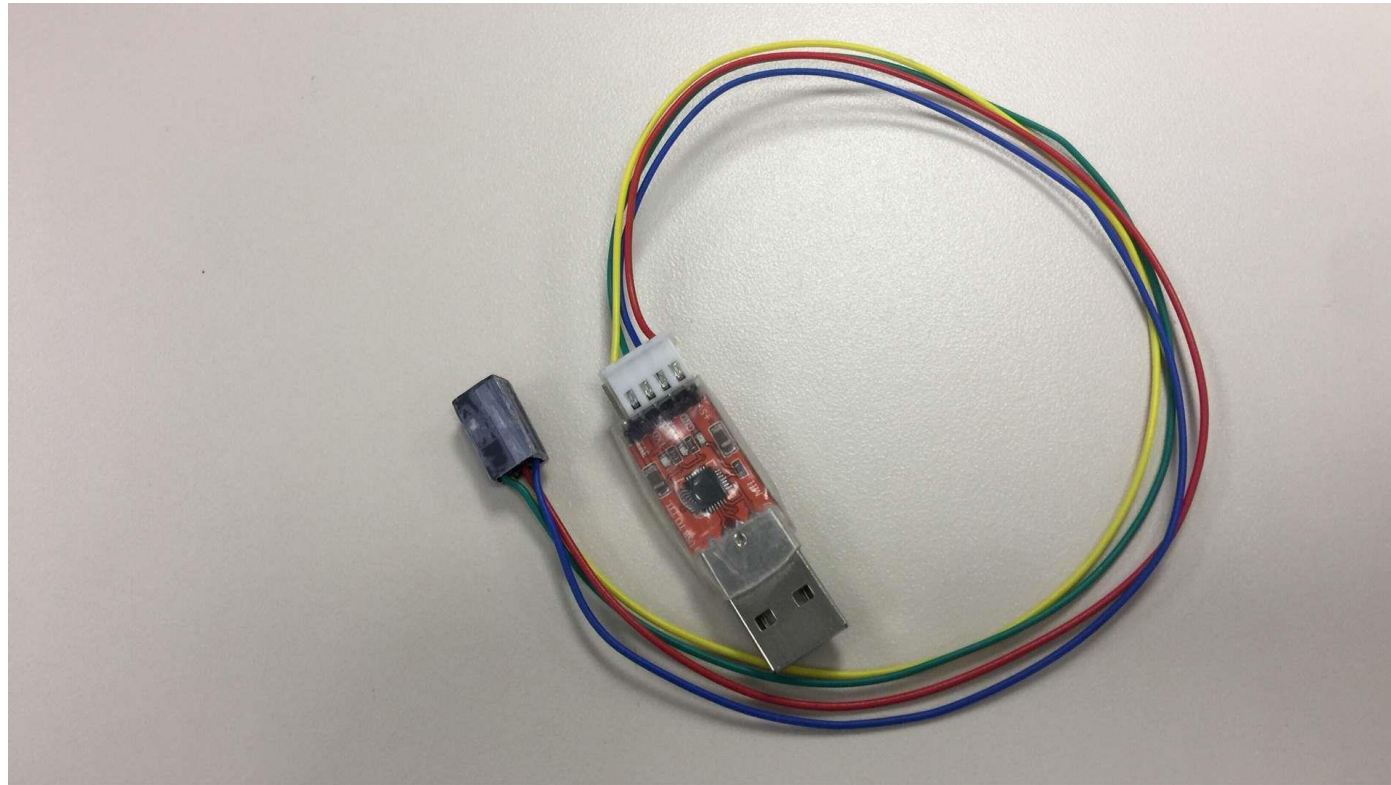
Software tools preparation

- ST Flash Loder
- CP210x USB UART driver

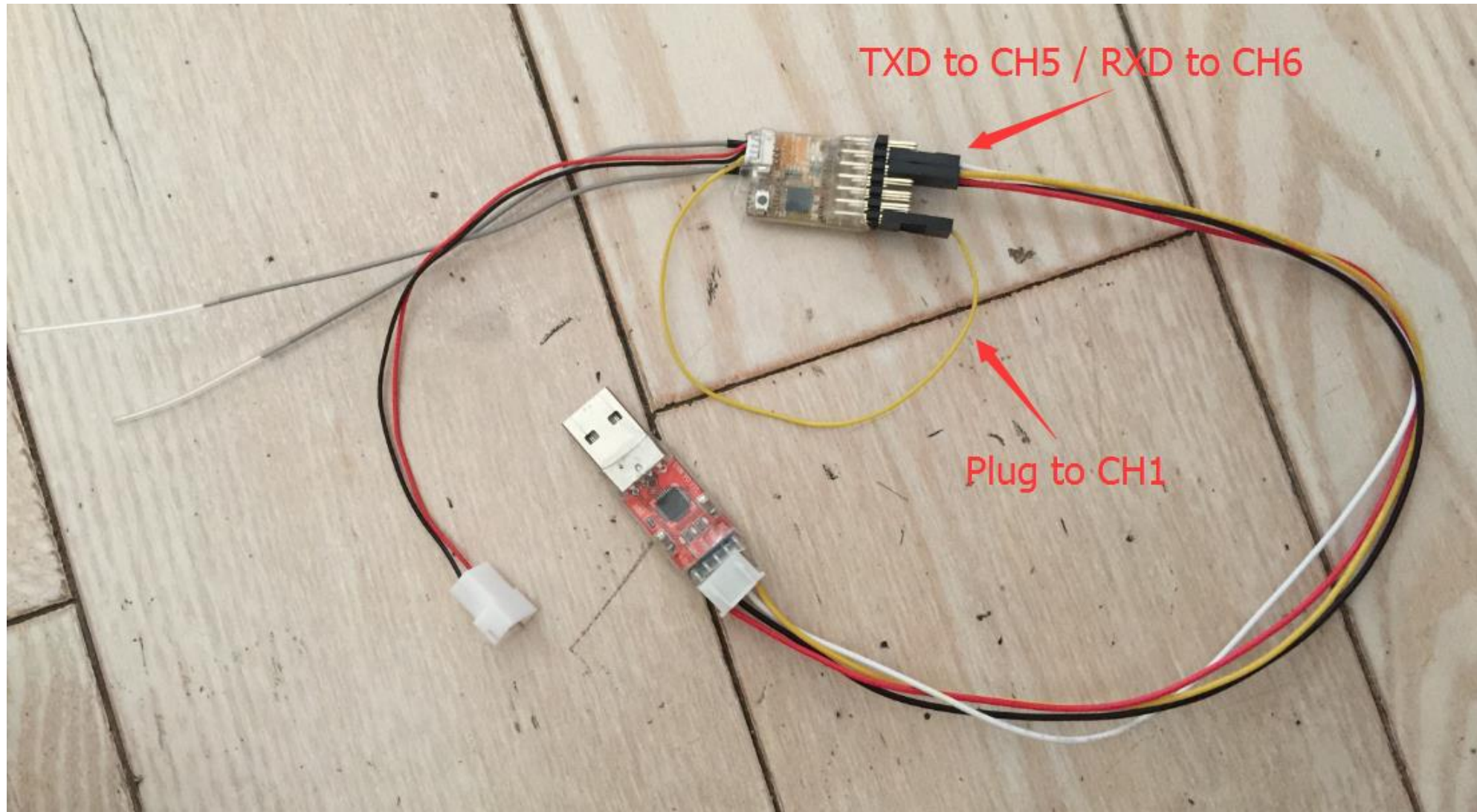


Hardware preparation

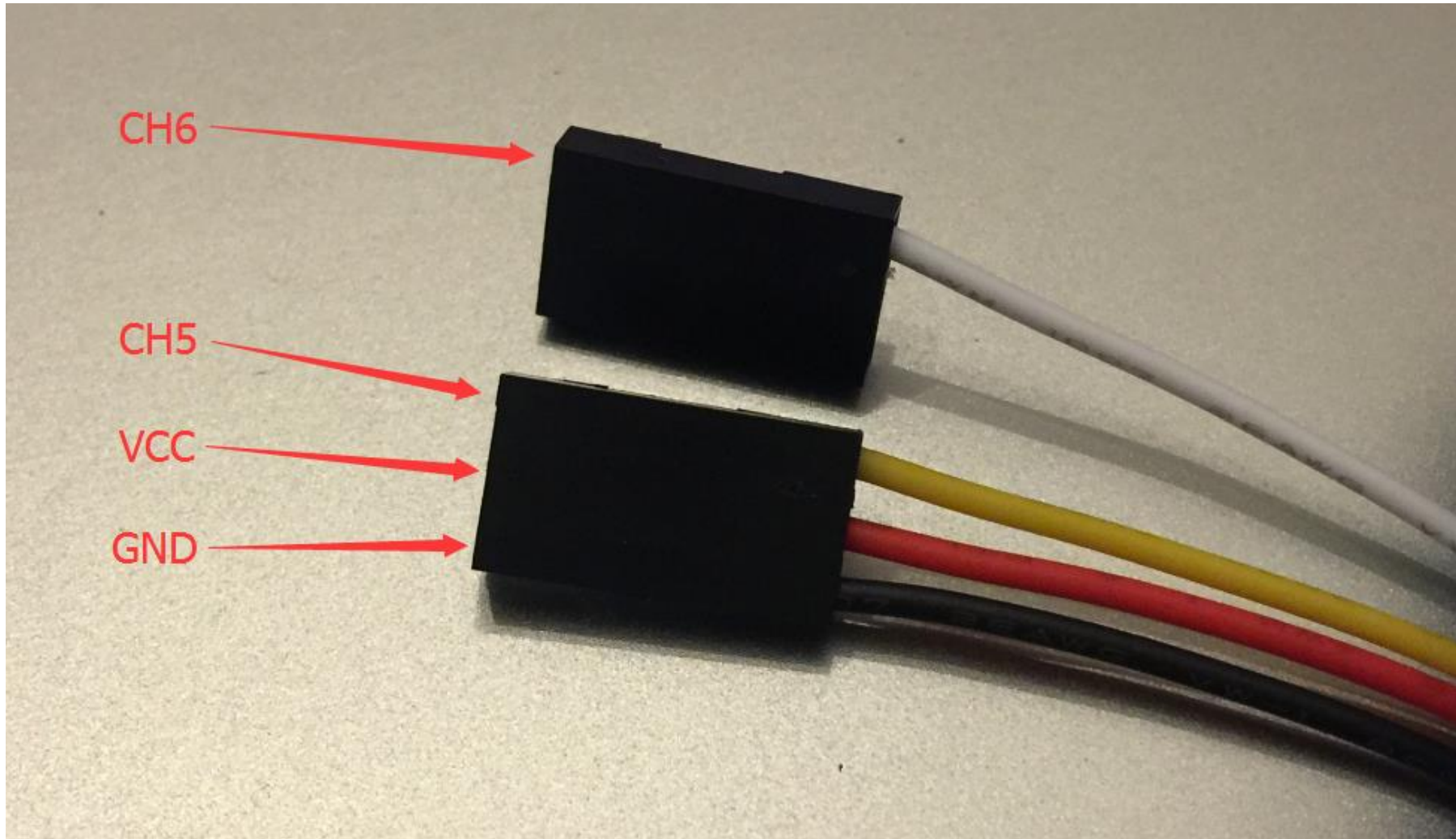
- USB to UART dongle (CP2102 chipset)
- Download cables



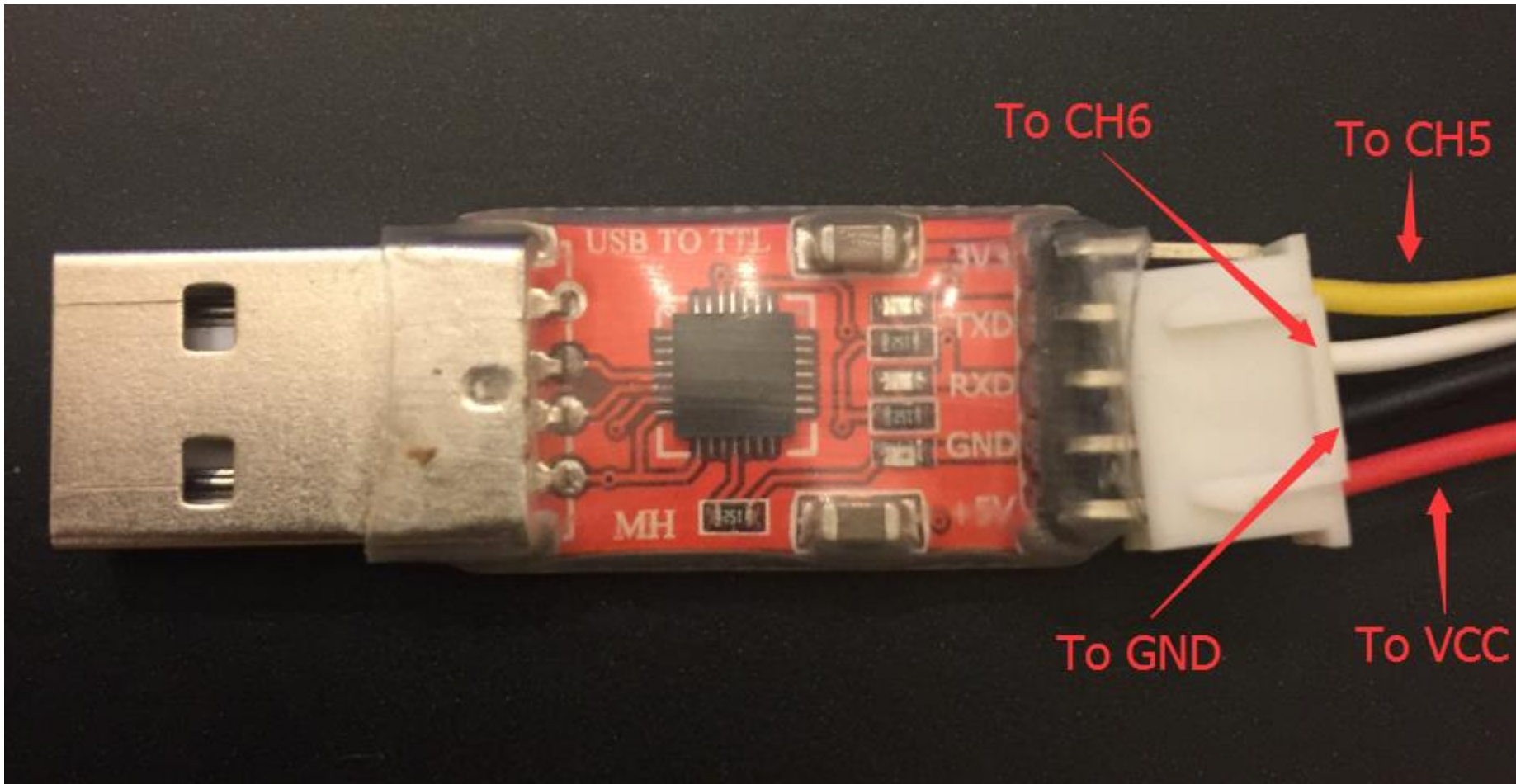
6CH Receiver upgrade connection



Connector to 6CH receiver

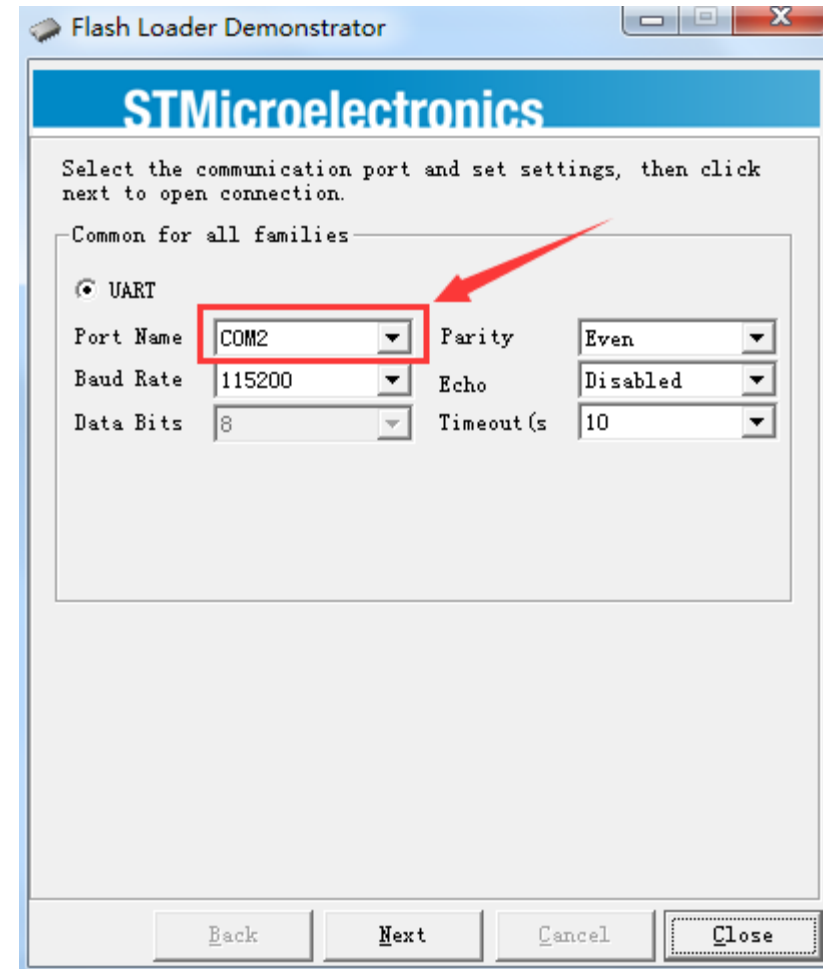
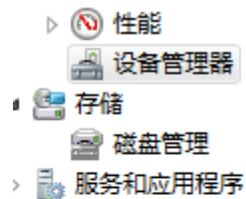


The USB-UART dongle



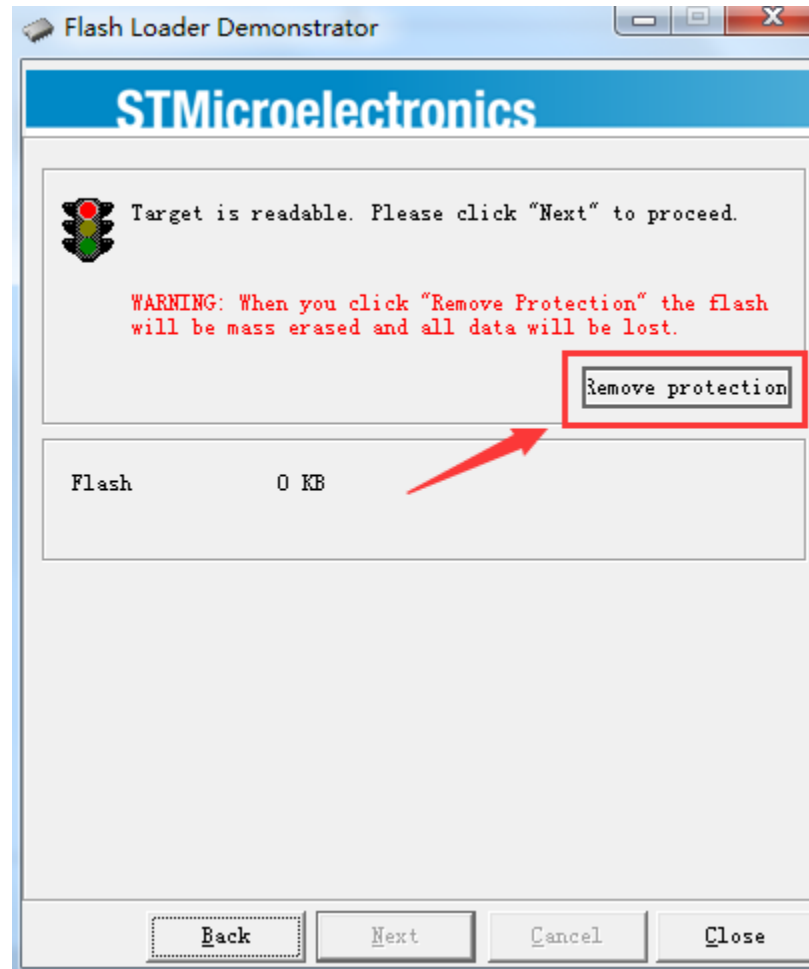
Check the USB-UART dongle

- Make sure the com port is the one of your USB-UART dongle

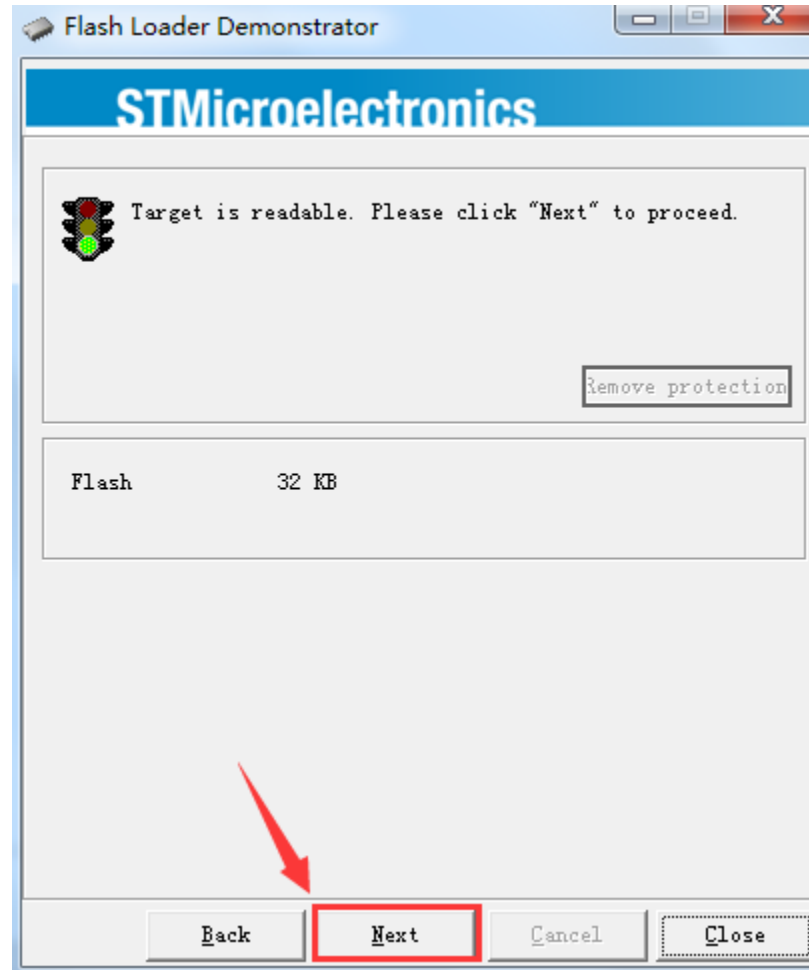


Remove the protection

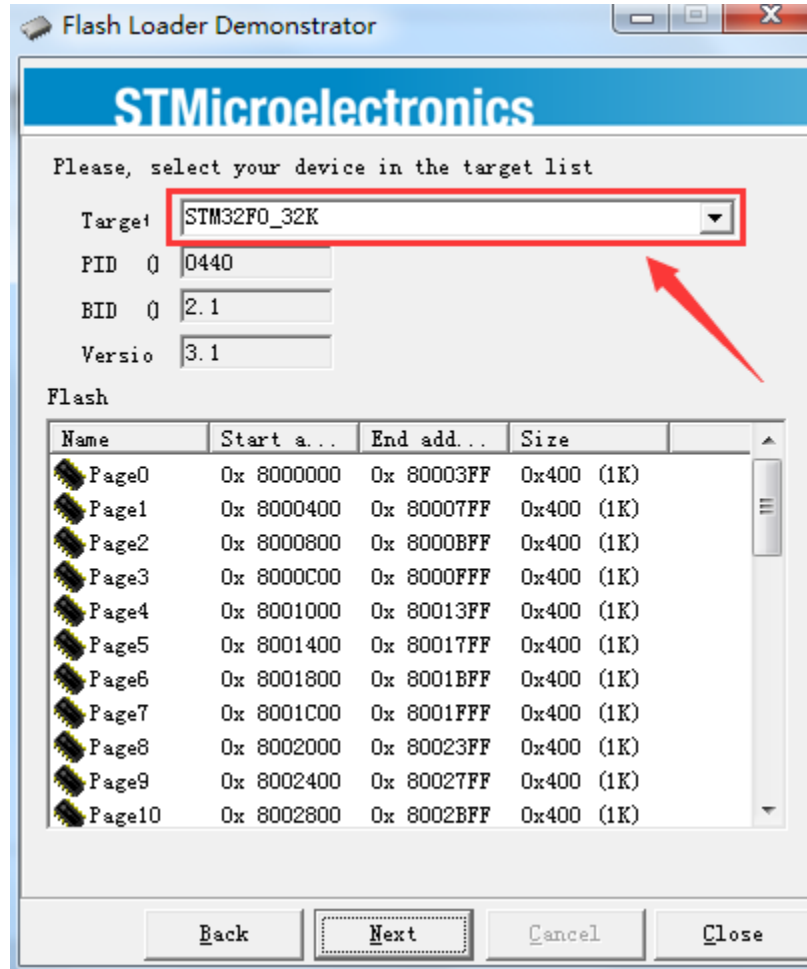
- Remove the protection, the MCU would be reset !!!



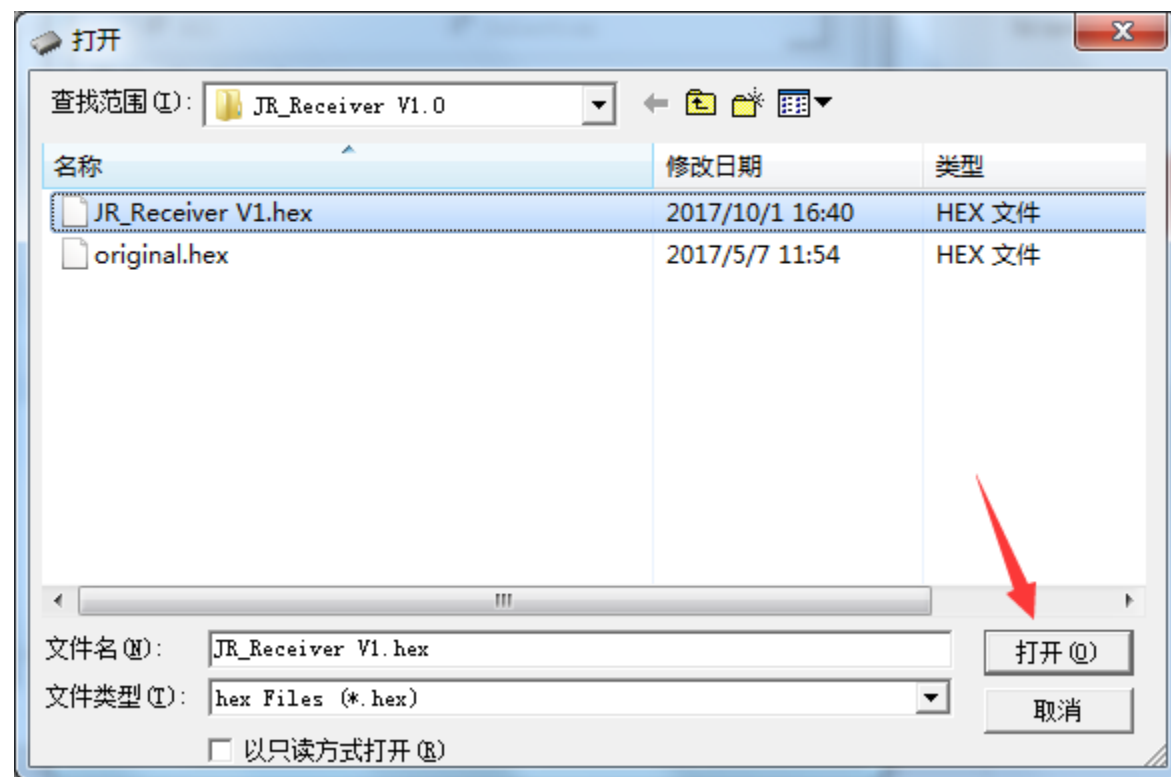
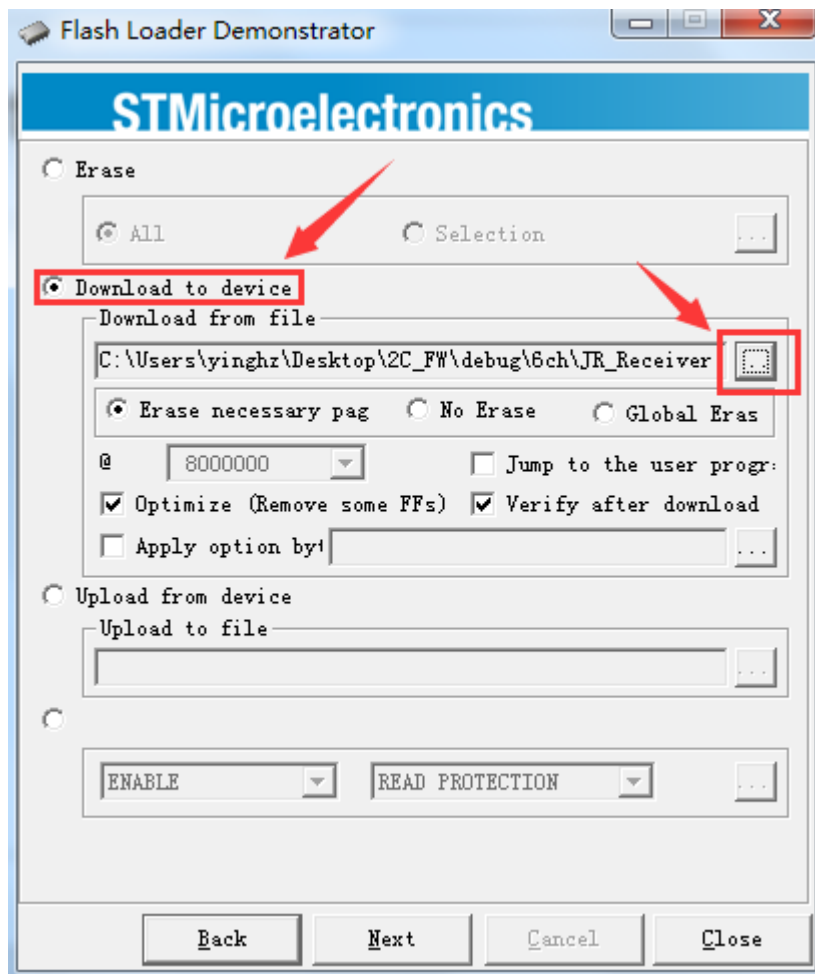
Next !



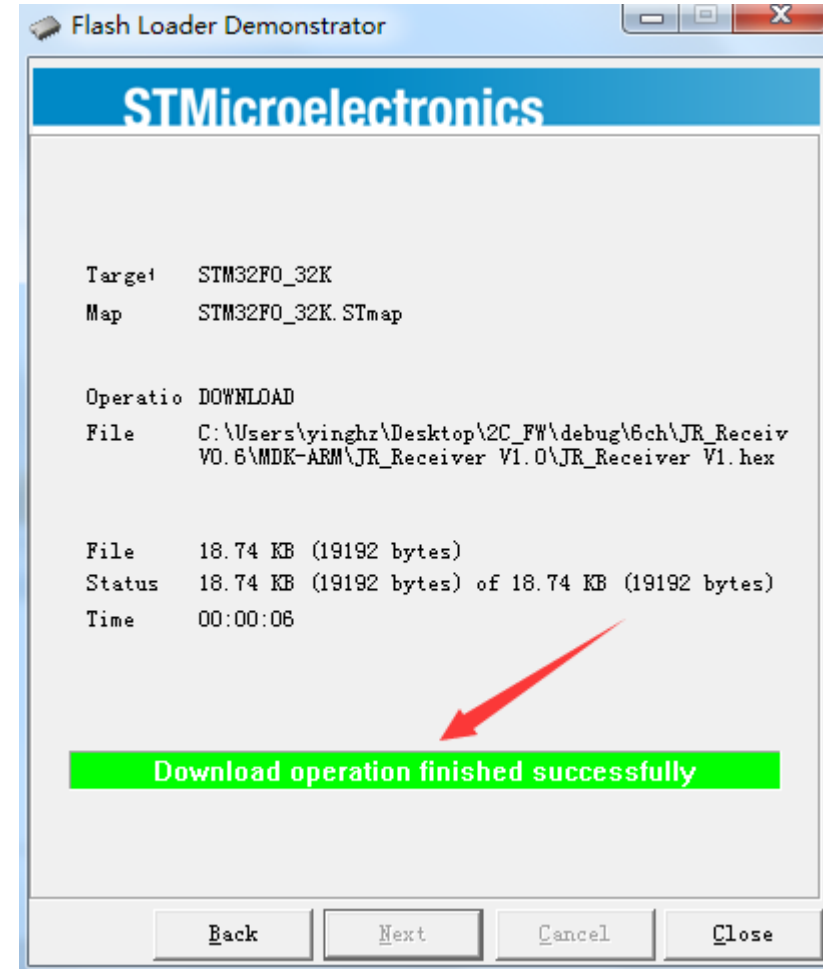
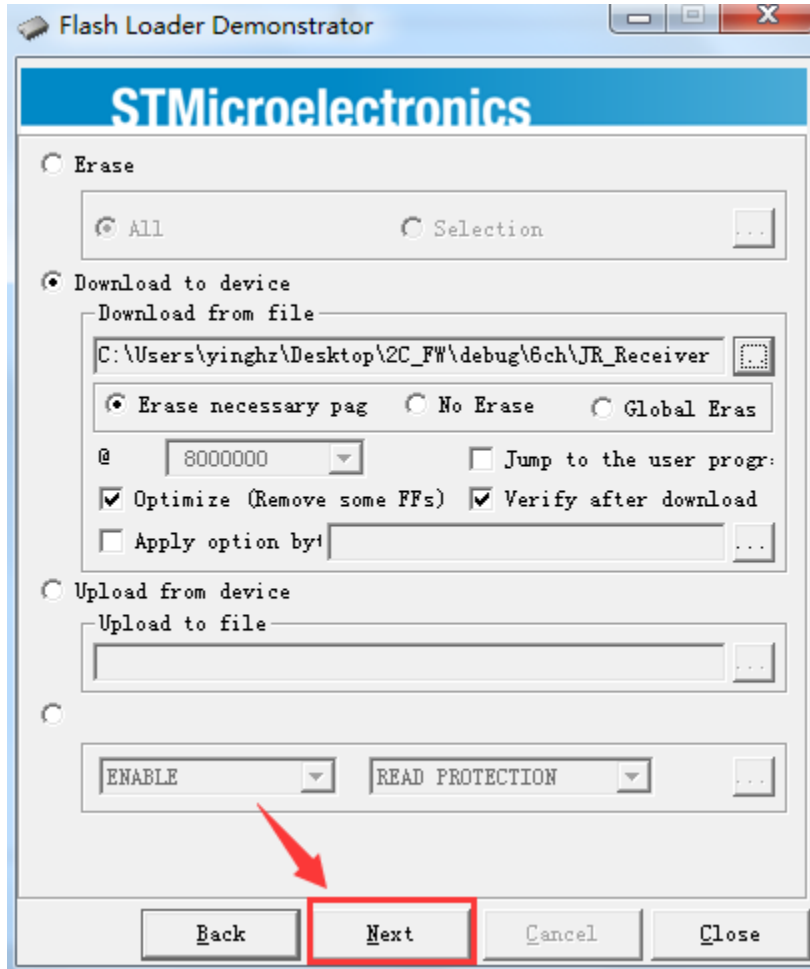
Make sure is the right target



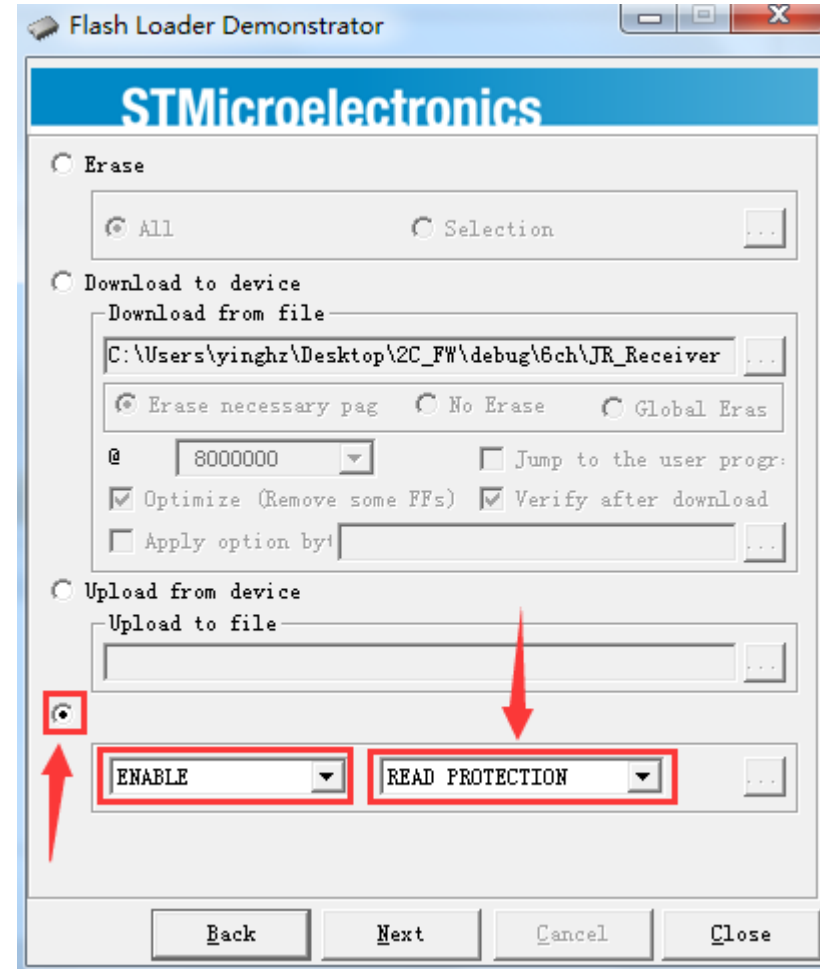
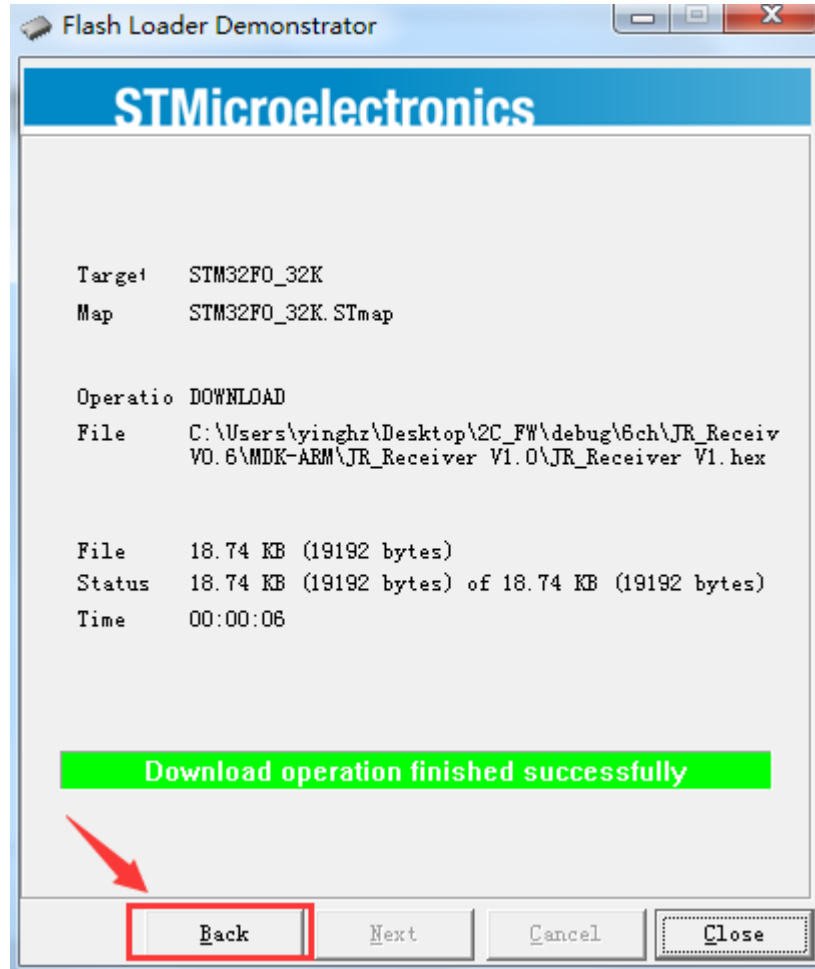
Load the HEX file



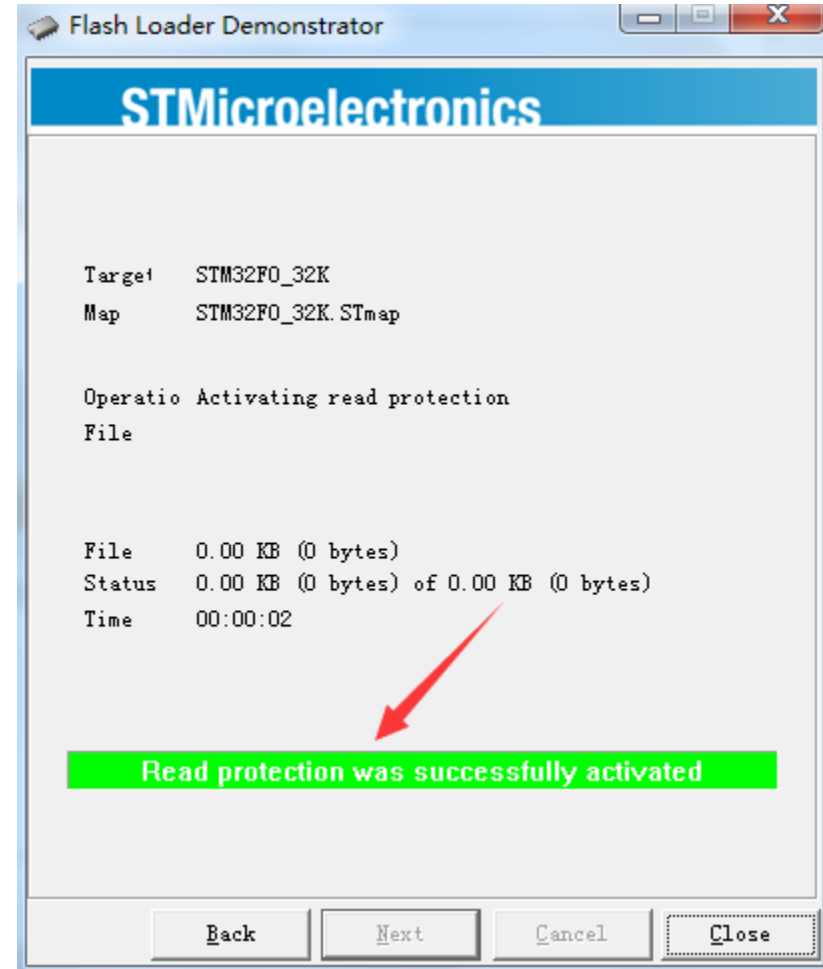
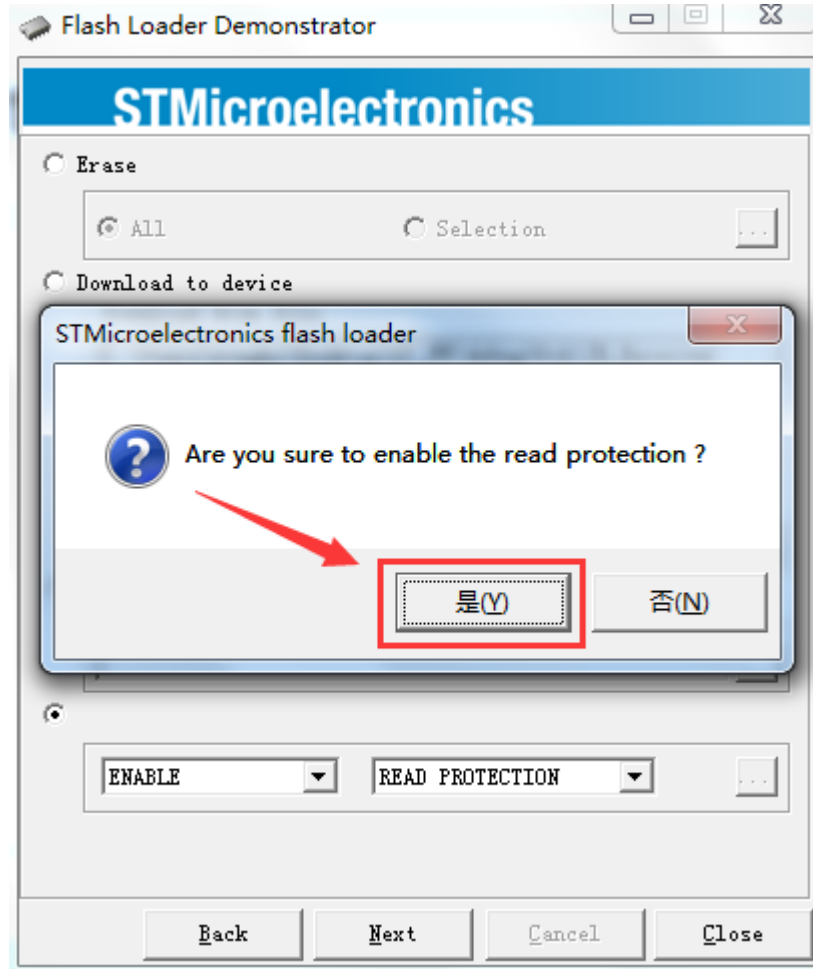
Next and finish the firmware download!



Back and enable the READ PROTECTION!



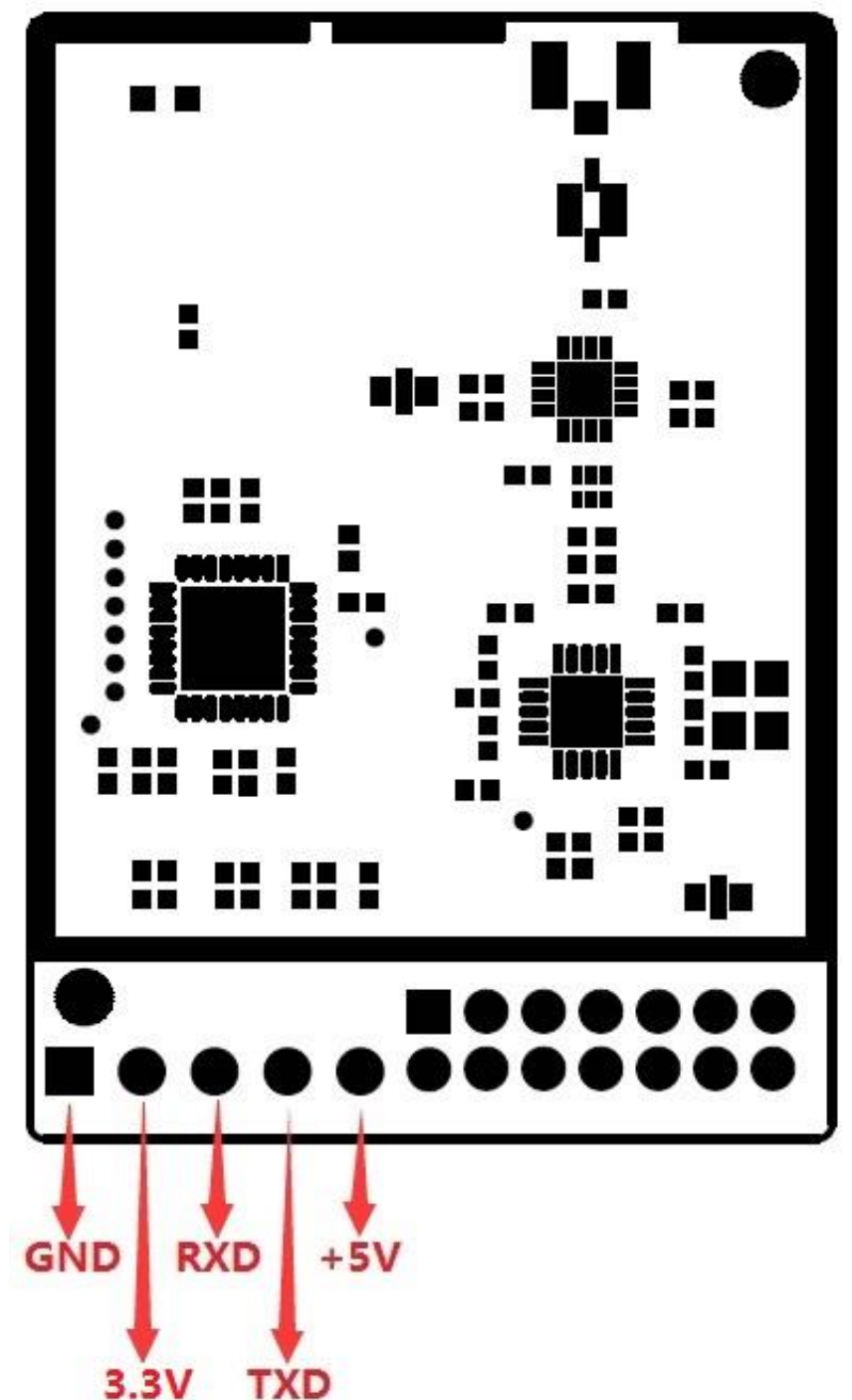
Yes and done !



To Program RF board everything like 6CH receiver

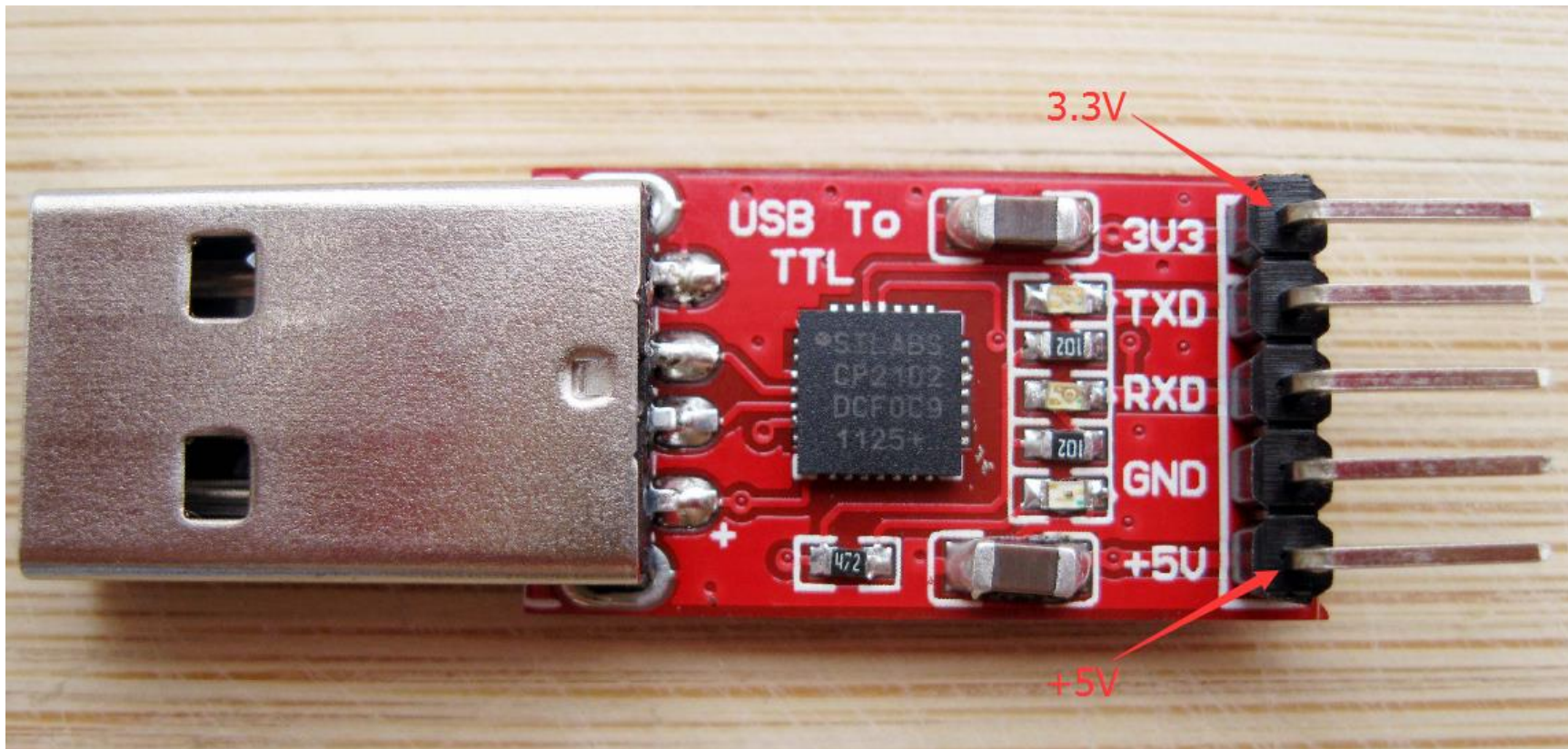
Footprint of the RF board

- From the top view of the RF board, there is a 5pin 2.54mm connector. And the signal connect to the USB dongle like the picture showing
- “VCC” is the “3V3” pin of the USB dongle, if you connect the “+5V” to this pin will make your RF board **damage**.
- “+5V” pin just use for firmware upgrade, please keep it as “NC” when you want to write the ID into the RF board

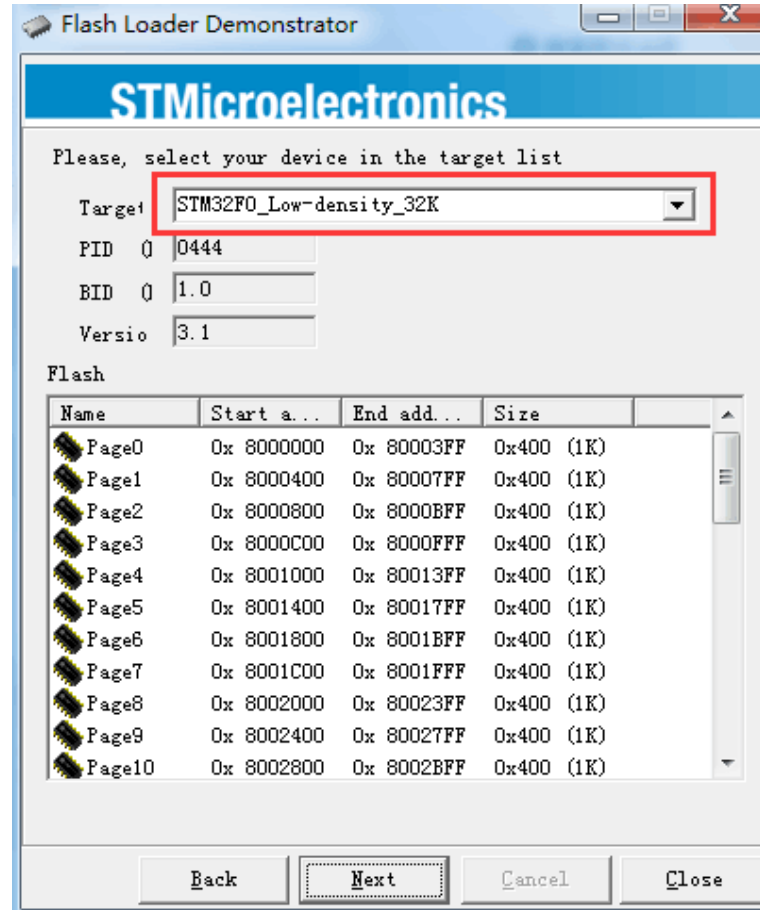


Be careful when connect the RF board

- RF board can only power up by 3.3V, +5V can only use for MCU pull up



Just a little bit different with the MCU type



After finished the read protection

- Please unplug the USB dongle and remove the “+5V” from the pin5, and then plug in the USB dongle again
- and then run the “SerialNumber_Write V1.01.exe”

Confirm the COM port number and the click the button



And then click the button to generate the ID



When you see the ID sequence then can send to the RF board

- If see the response from the RF board is “AC AC 13” that means the ID wrote into the RF board successfully
- Unplug anything and then enjoy the new firmware

