

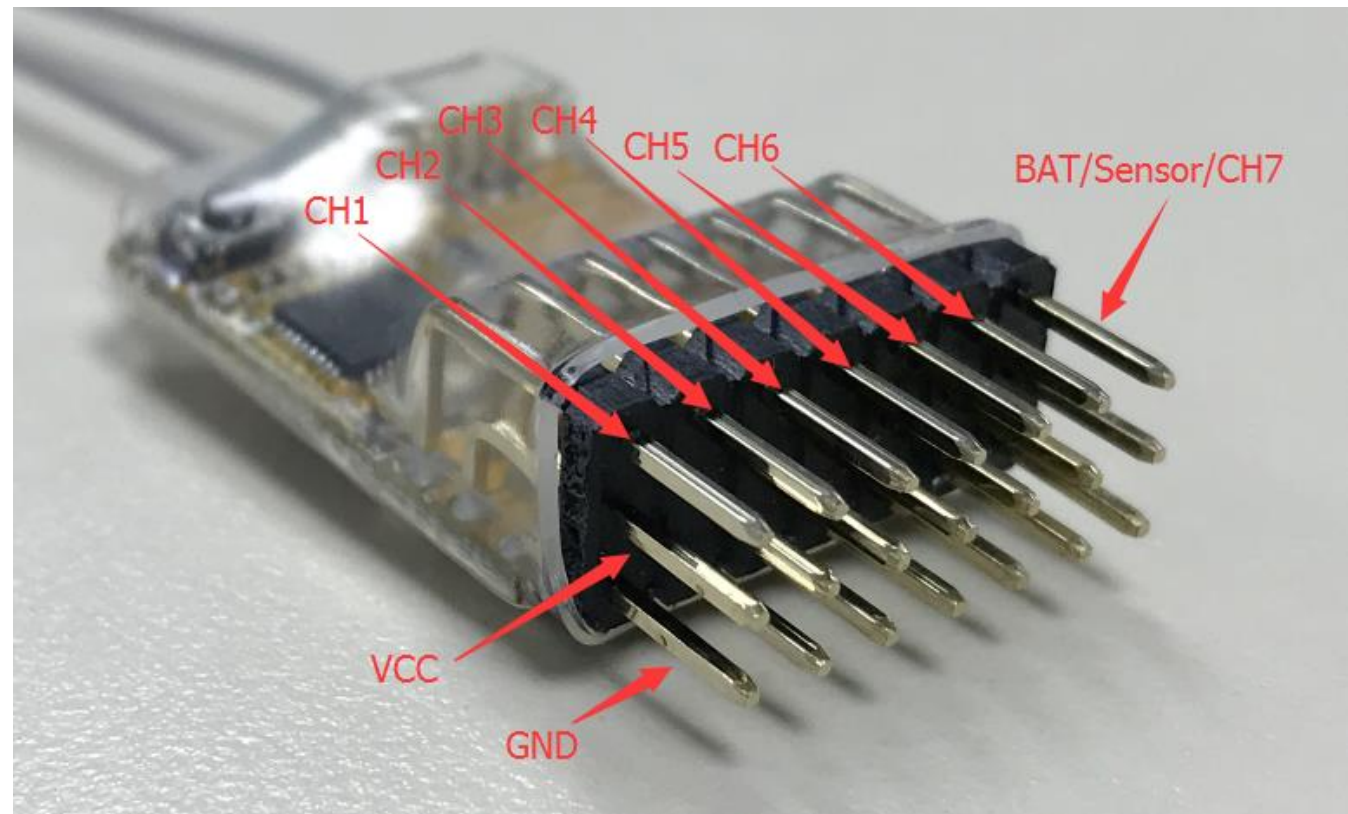
# GliderScore with Pandora

By Robust

2019/11/29

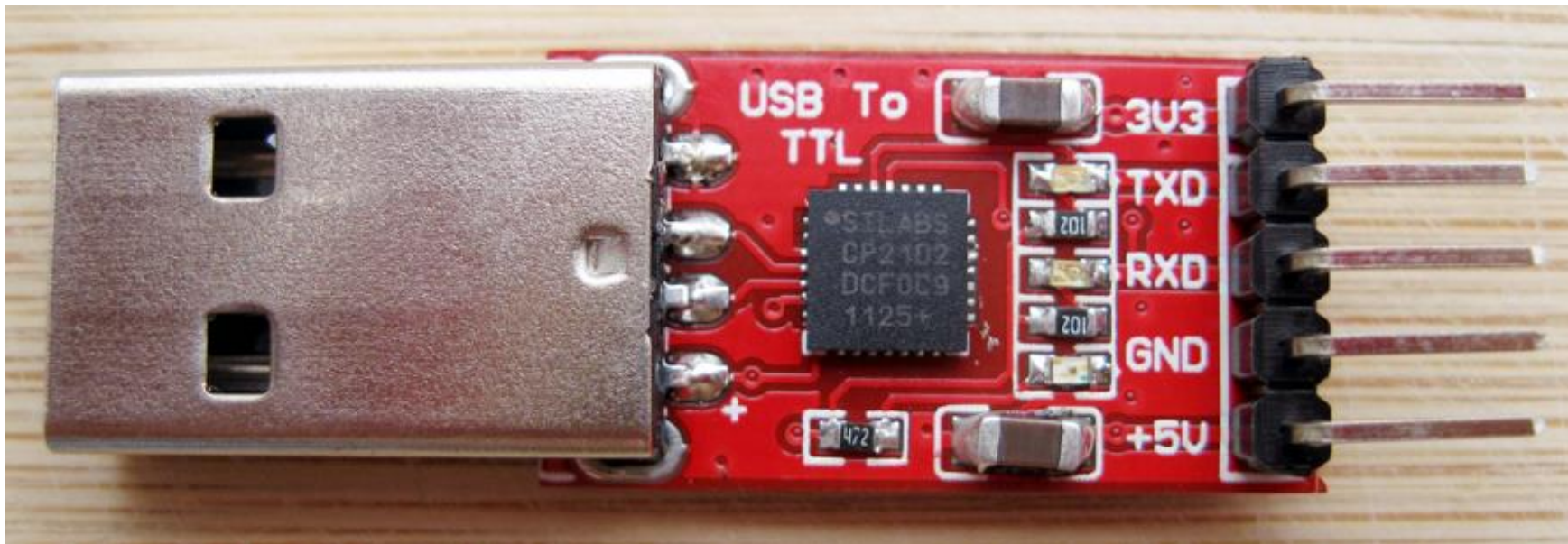
# Need to use an universal 2.4G device

- It could act as a 7ch RC 2.4G receiver
- It could also act as a 2.4G transmitter too!
- CH5/CH6 could act as UART
- VCC/GND never inverse



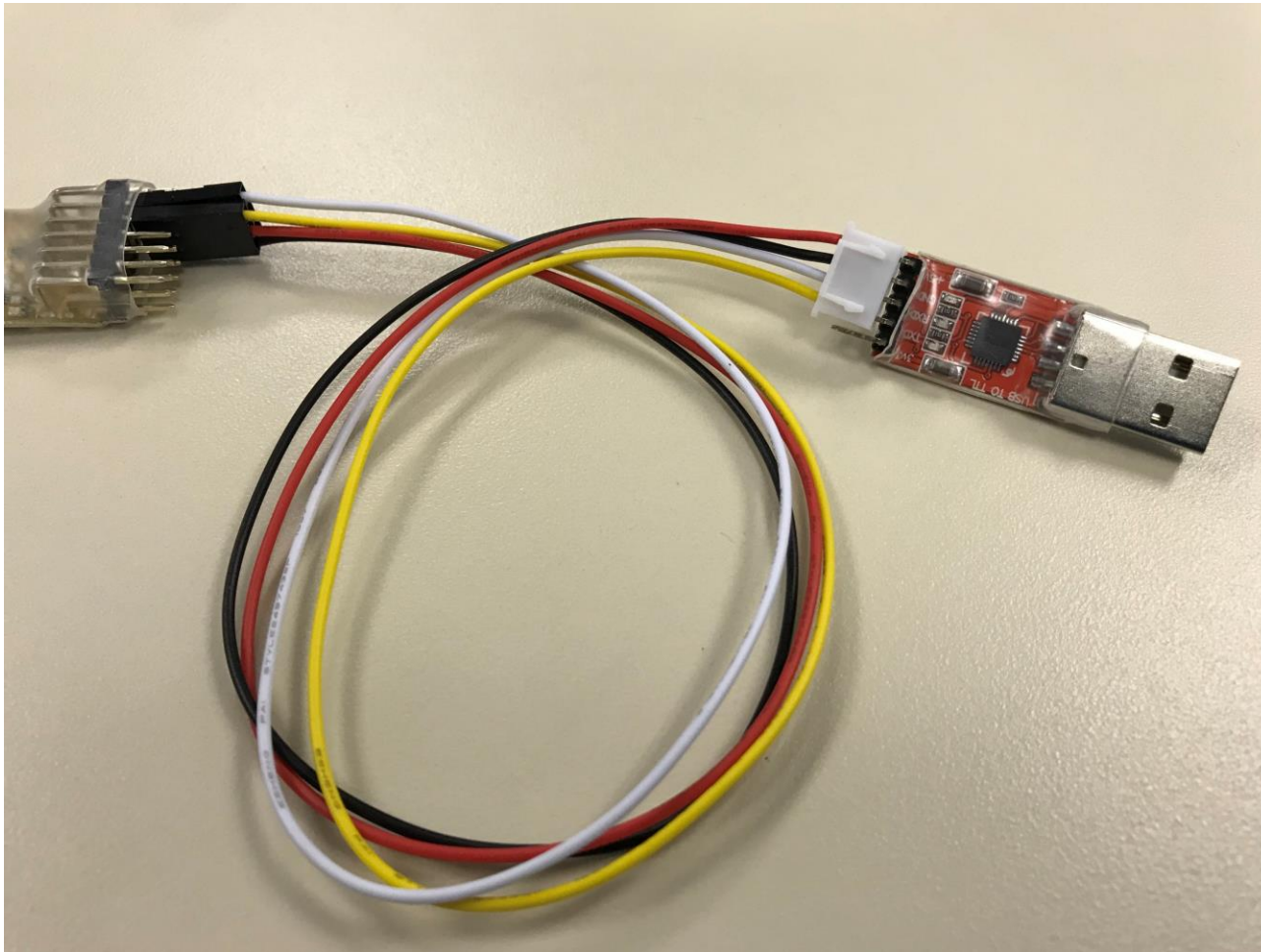
# To work with GliderScore

- Needing a USB→UART(TTL) convertor
  - CP2012 module is recommended
  - Connect with GliderScore very well and supply the 5V DC power



# Connect with universal 2.4G device

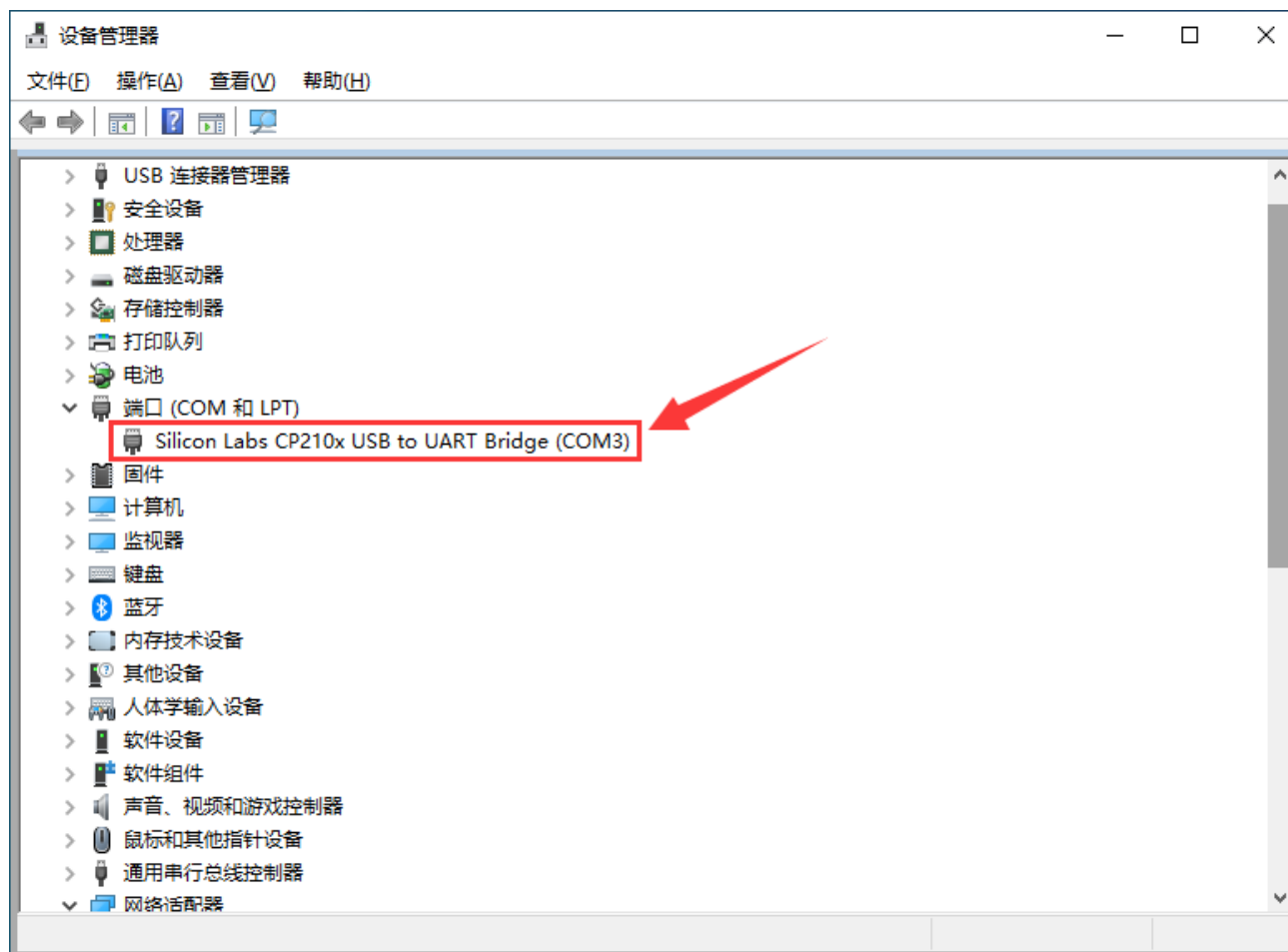
- Please refer to the picture and the table



Universal 2.4G	CP2012 module	Color
CH5	TXD	Yellow
CH6	RXD	White
VCC	5V	RED
GND	GND	BLACK

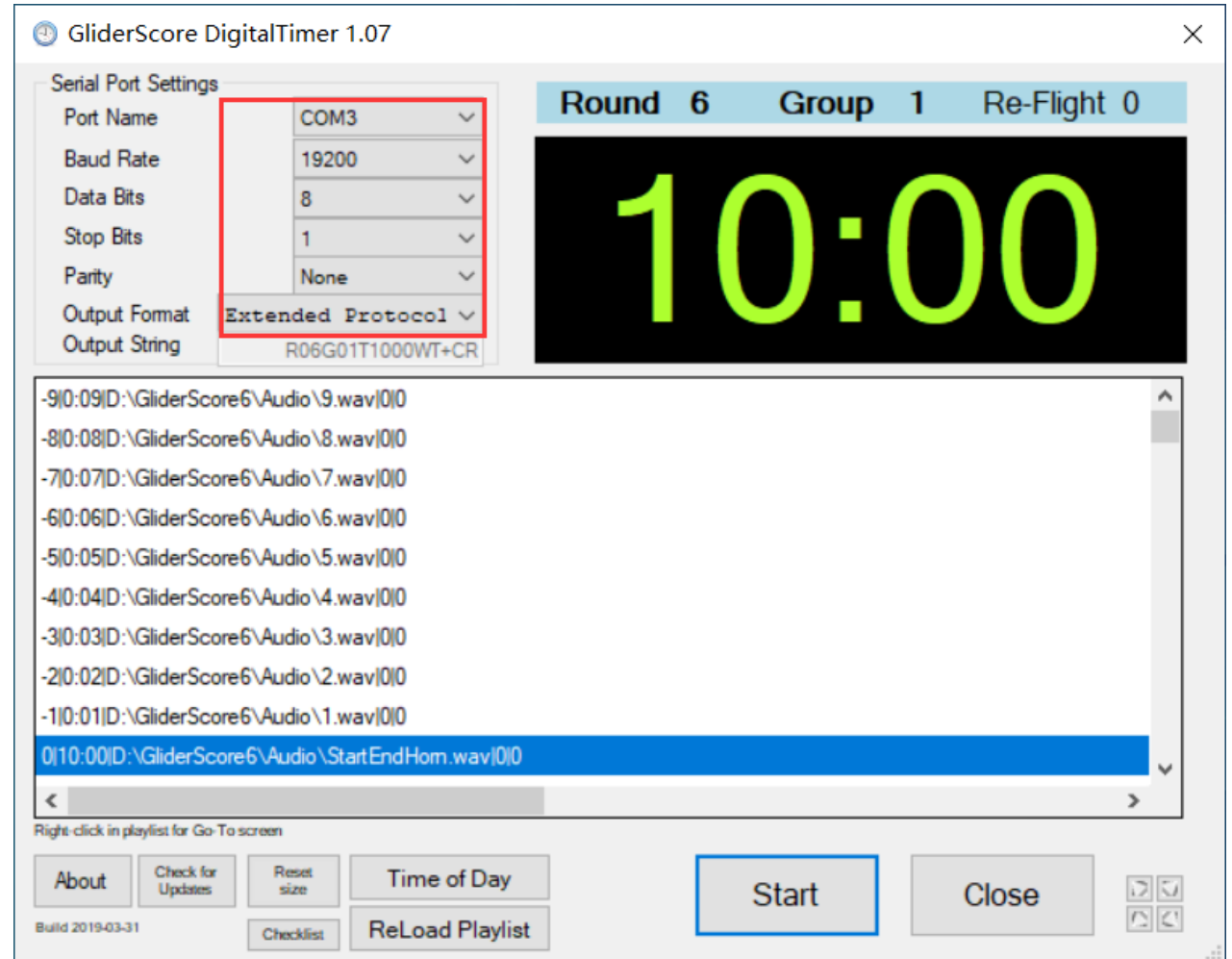
# GS timer setting: step 1

- Find out the COM port # of your CP2012 module
  - For this PC is COM3



# GS timer setting: step 2

- Set the parameter as high light
  - Baud Rate: 19200
  - Data Bits: 8
  - Stop Bits: 1
  - Parity: None



# Tips for GS timer event setting

- Try to keep the timing window running even in Sleep Time
  - For example: after F3K working time there will be landing time. If add the event high light as below will help a lot of the Pandora timing window info displaying. Otherwise Pandora will lost the signal for 10 seconds!

TimerSetup

Timer Name	Timer Time	Displayed Time	On New Round	Announcement	Announcement File Name	Beep Frequency (Hz)	Beep Duration (mSecs)	Play	Stop	Browse for file
F3B-Distance	592	0:08	<input type="checkbox"/>	8	8.wav	0	0	▶	<input type="checkbox"/>	Browse
F3B-Duration	593	0:07	<input type="checkbox"/>	7	7.wav	0	0	▶	<input type="checkbox"/>	Browse
F3B-Speed	594	0:06	<input type="checkbox"/>	6	6.wav	0	0	▶	<input type="checkbox"/>	Browse
F3J/F5JTimer-2m10m	595	0:05	<input type="checkbox"/>	5	5.wav	0	0	▶	<input type="checkbox"/>	Browse
F3J/F5JTimer-5m10m	596	0:04	<input type="checkbox"/>	4	4.wav	0	0	▶	<input type="checkbox"/>	Browse
F3JTimer-5m15m	597	0:03	<input type="checkbox"/>	3	3.wav	0	0	▶	<input type="checkbox"/>	Browse
F3K-1m3m30s	598	0:02	<input type="checkbox"/>	2	2.wav	0	0	▶	<input type="checkbox"/>	Browse
<b>F3K-3m10m30s</b>	599	0:01	<input type="checkbox"/>	1	1.wav	0	0	▶	<input type="checkbox"/>	Browse
F3K-3m3m30s	600	0:00	<input type="checkbox"/>	End hom	StartEndHom.wav	0	0	▶	<input type="checkbox"/>	Browse
F3K-3m7m30s	601	0:29	<input type="checkbox"/>	29 seconds remaining		0	0	▶	<input type="checkbox"/>	Browse
Thermal-5m12m	610	0:20	<input type="checkbox"/>	20 seconds remaining	Remaining-20Secs.wav	0	0	▶	<input type="checkbox"/>	Browse
	620	0:10	<input type="checkbox"/>	10 seconds	10Secs.wav	0	0	▶	<input type="checkbox"/>	Browse
	621	0:09	<input type="checkbox"/>	9	9.wav	0	0	▶	<input type="checkbox"/>	Browse
	622	0:08	<input type="checkbox"/>	8	8.wav	0	0	▶	<input type="checkbox"/>	Browse
	623	0:07	<input type="checkbox"/>	7	7.wav	0	0	▶	<input type="checkbox"/>	Browse
	624	0:06	<input type="checkbox"/>	6	6.wav	0	0	▶	<input type="checkbox"/>	Browse

Add Timer Export Add Timer Event  
Copy Timer Import Delete Timer Event  
Delete Timer i i

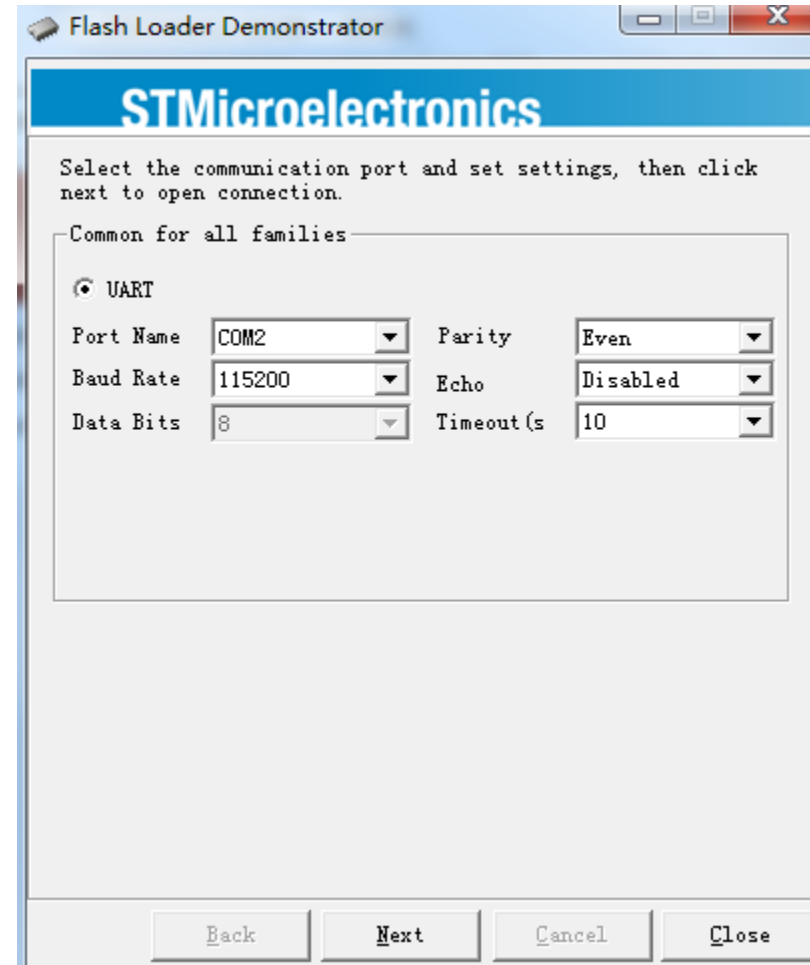
**F3K-3m10m30s** Close

How to upgrade the  
firmware of the 2.4G device

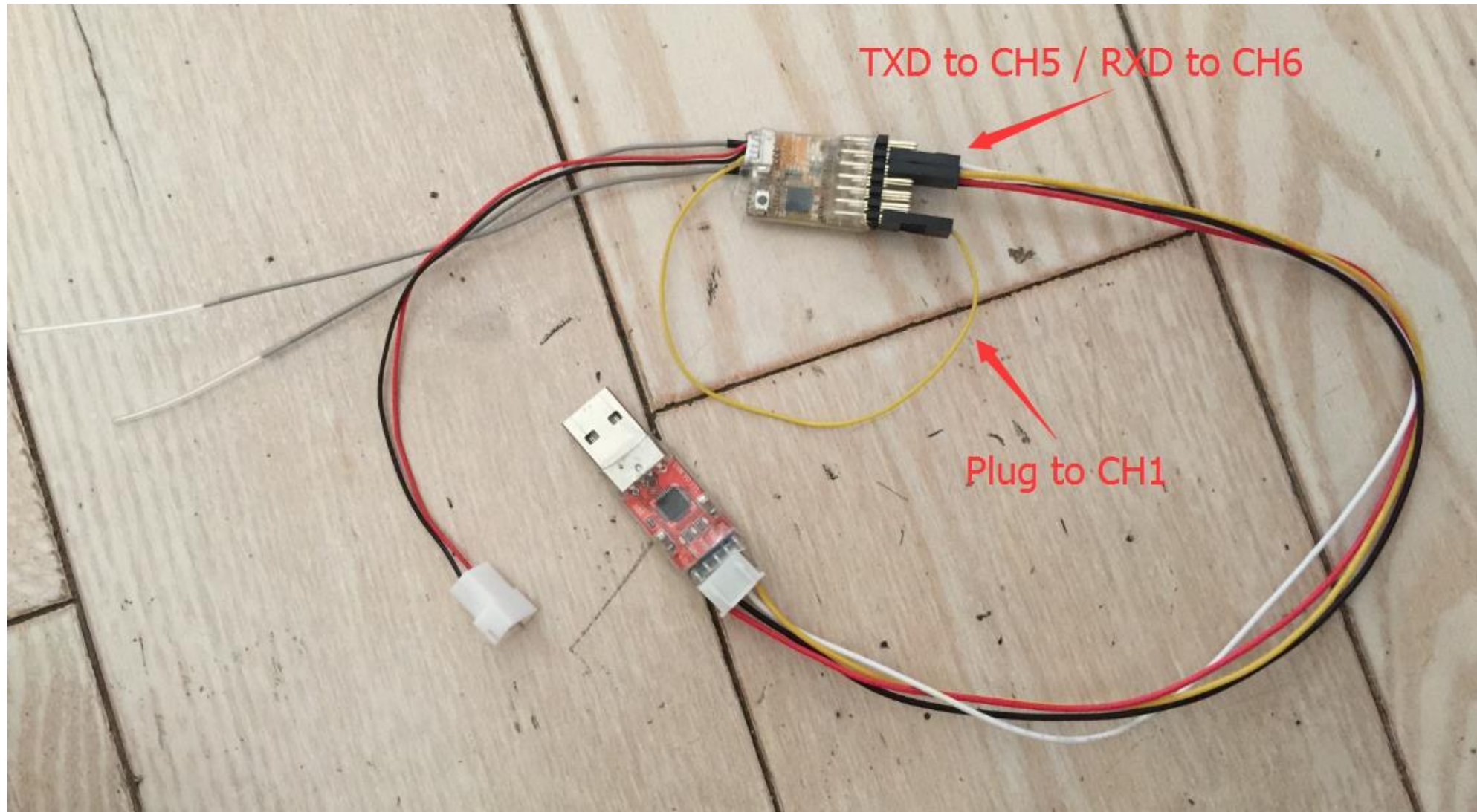


# Software tools preparation

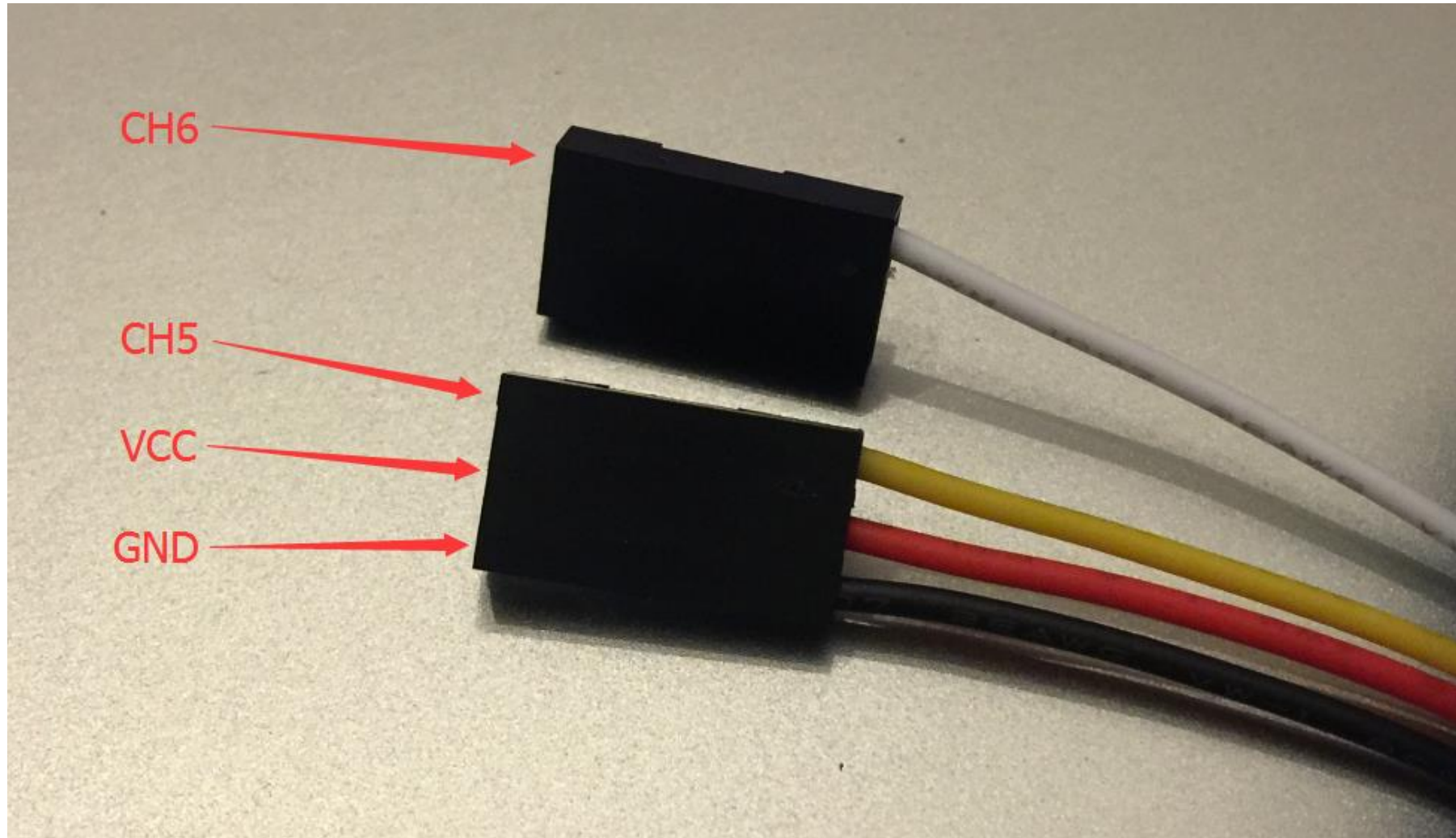
- ST Flash Loder
- CP210x USB UART driver



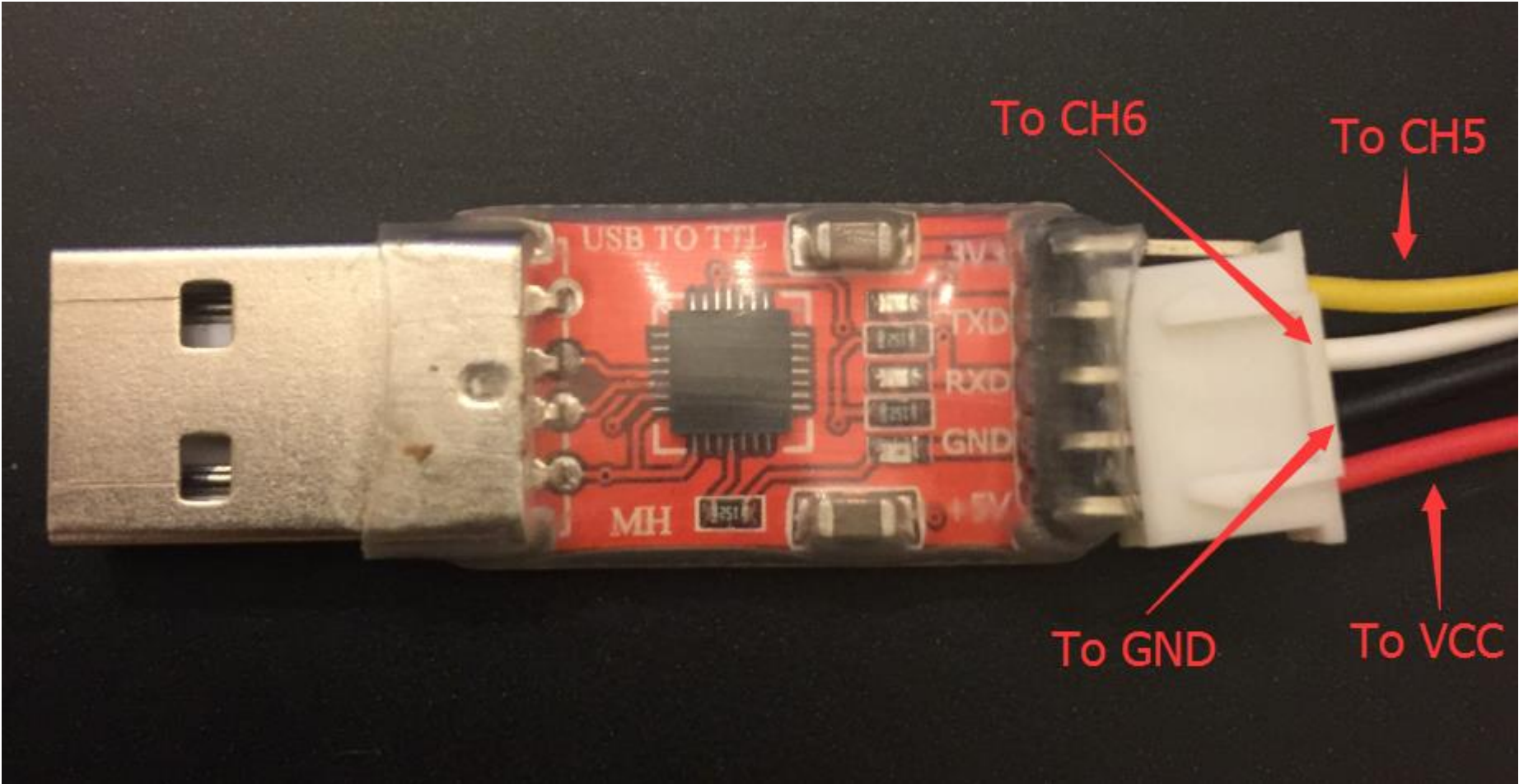
# 6CH Receiver upgrade connection



# Connector to 6CH receiver

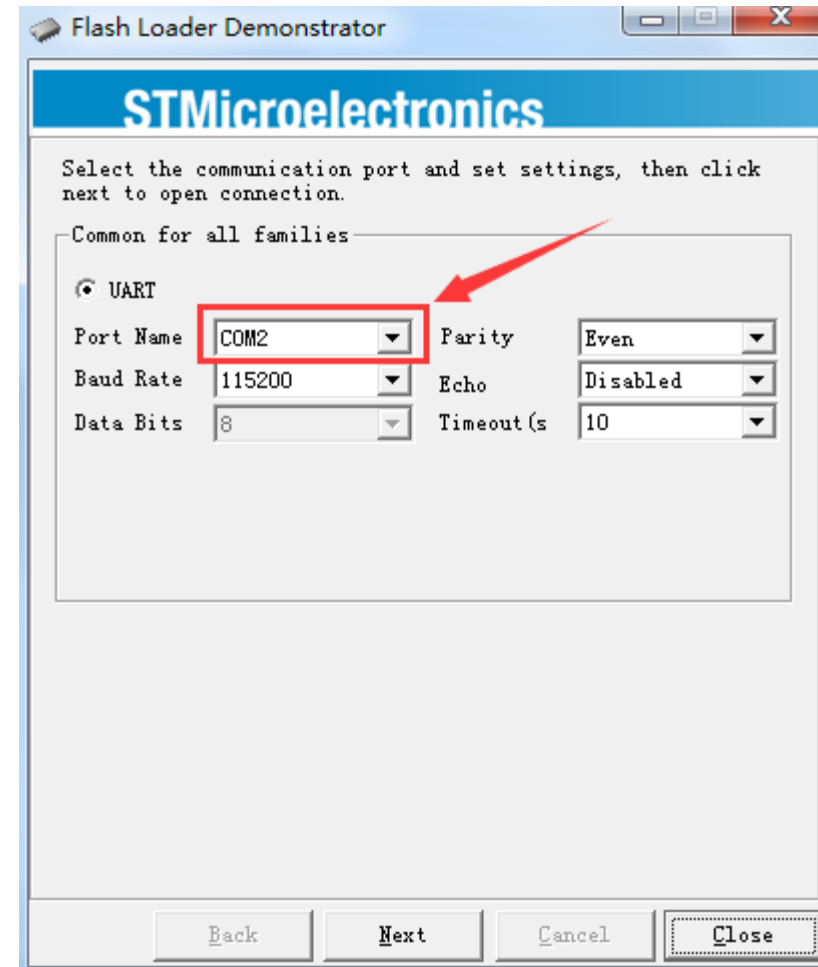
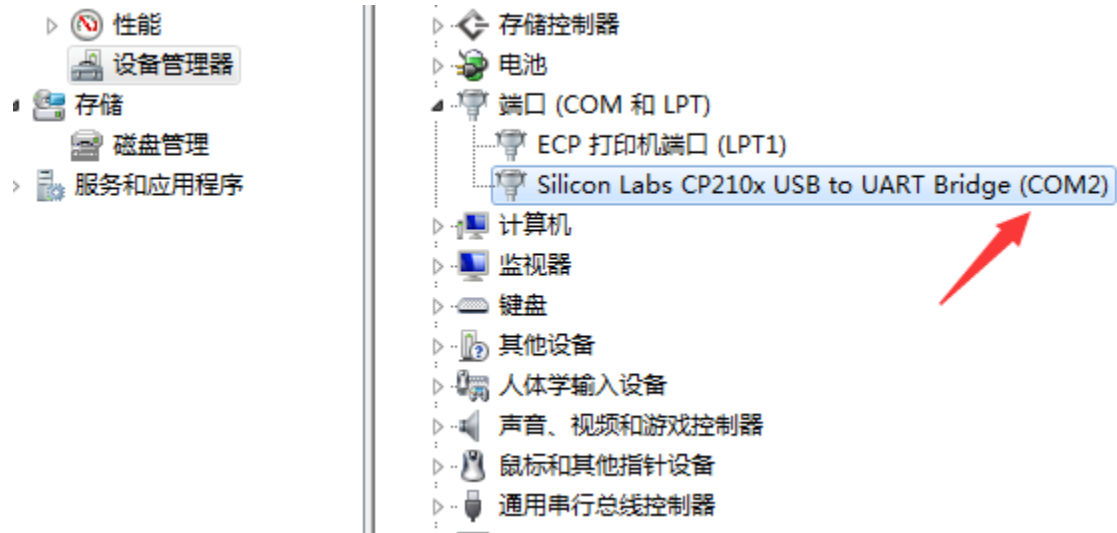


# The USB-UART dongle



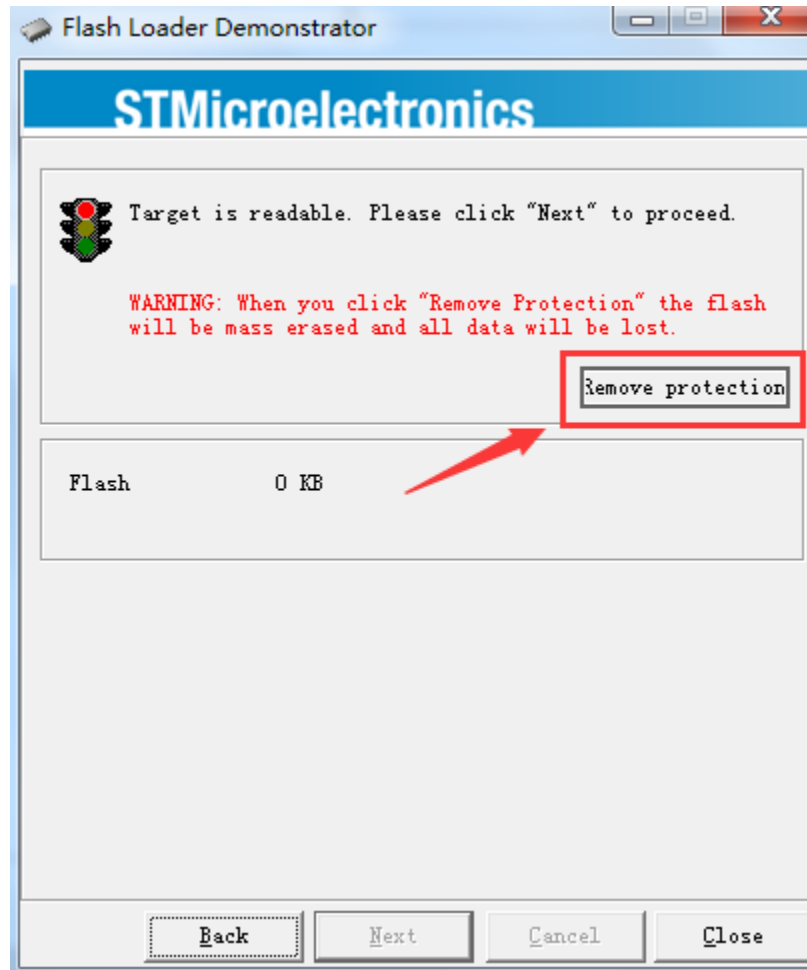
# Check the USB-UART dongle

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

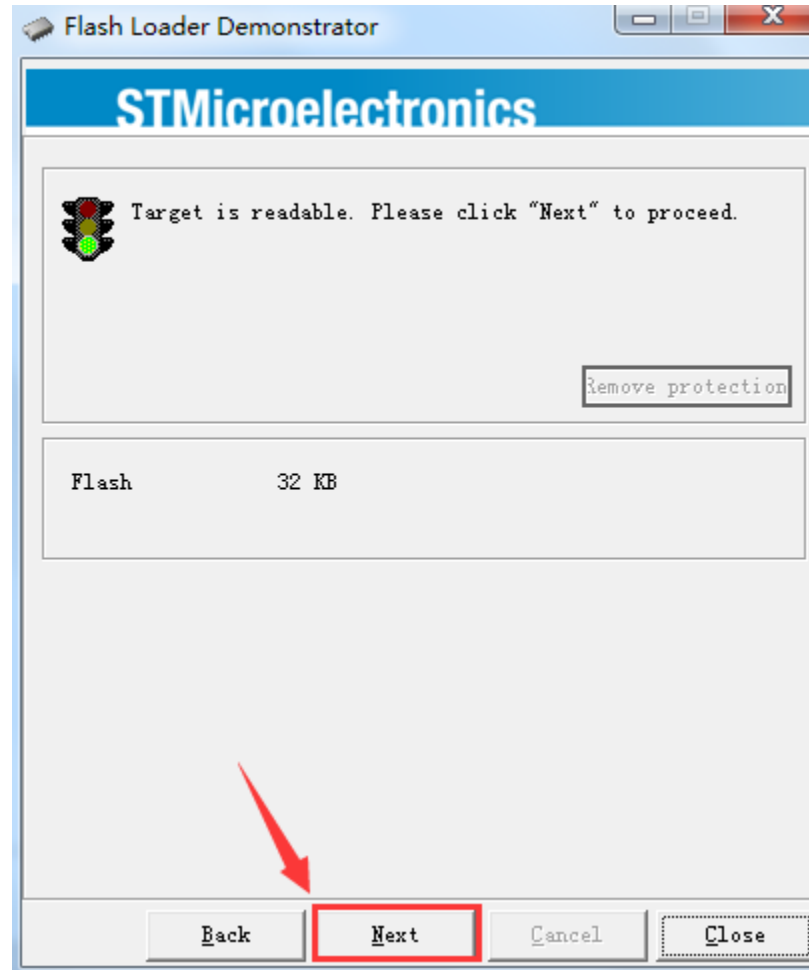


# Remove the protection

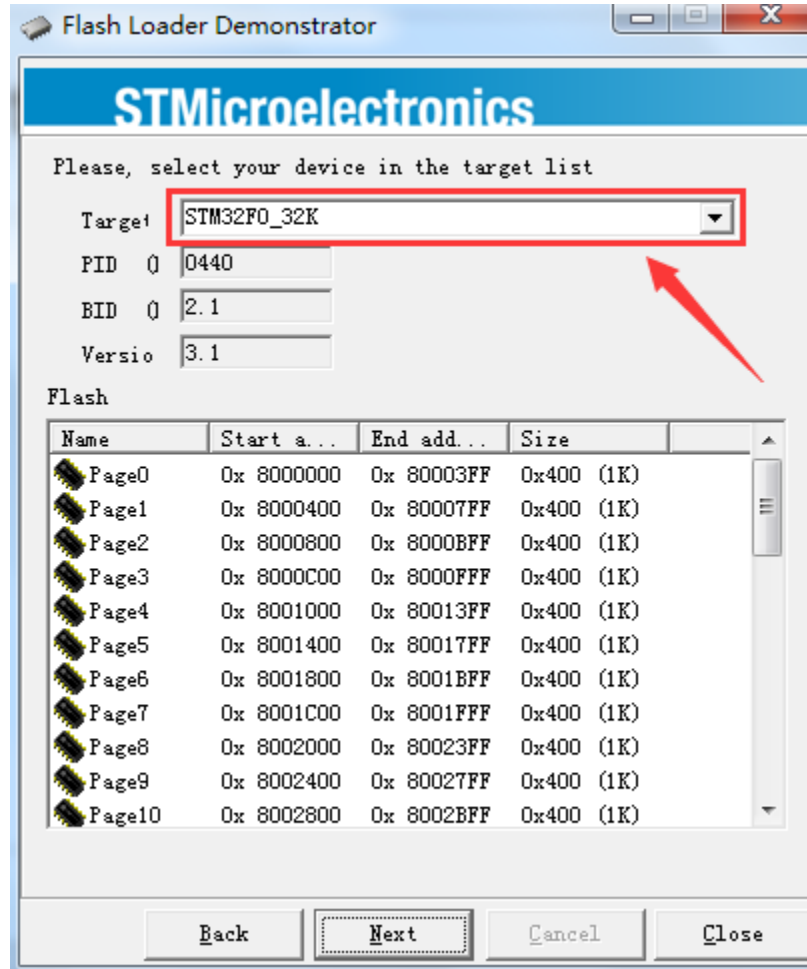
- Remove the protection, the MCU would be rest !!!



# Next !

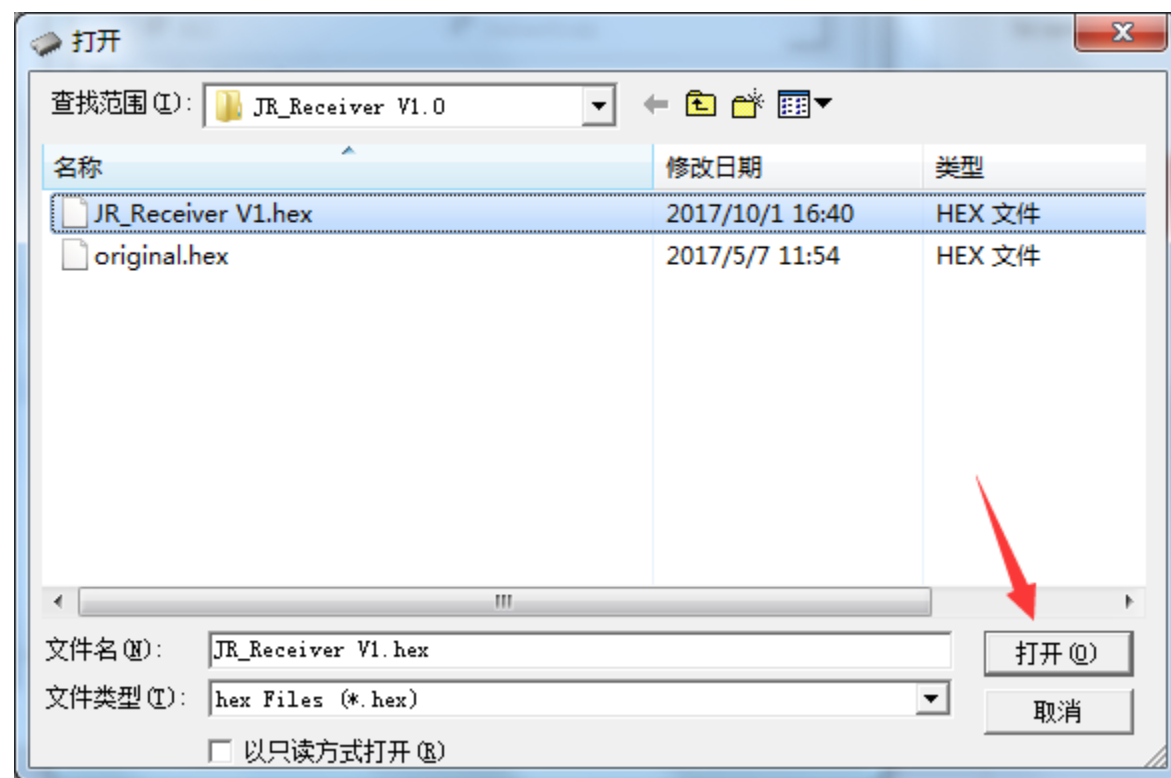
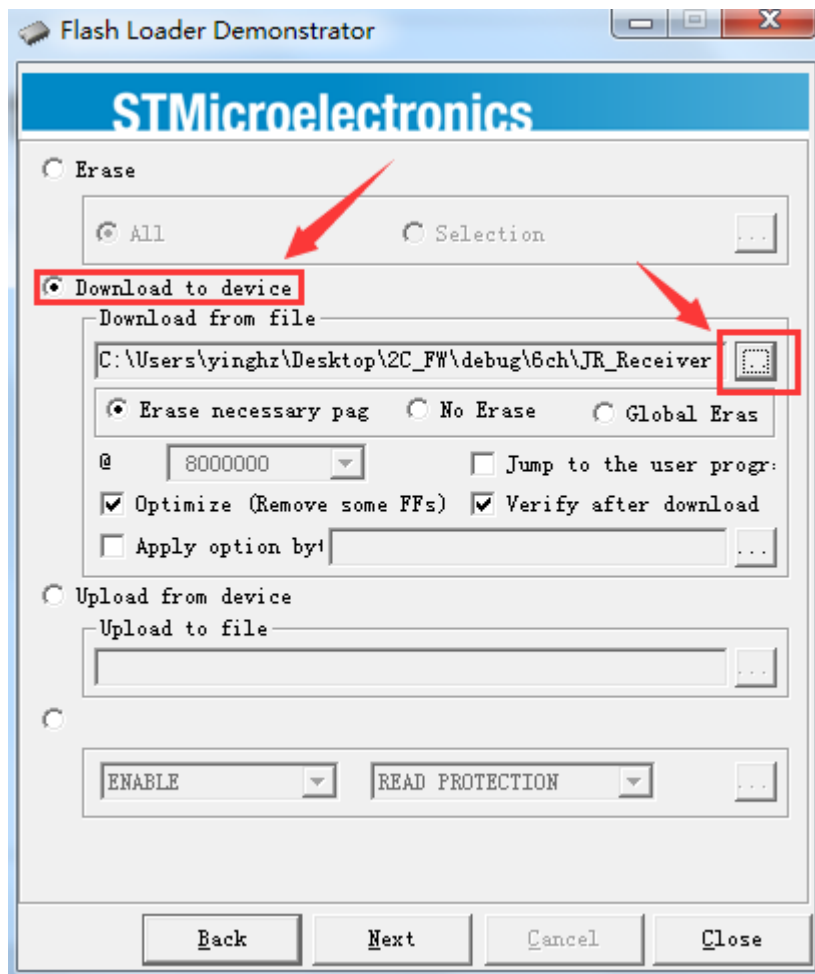


# Make sure is the right target

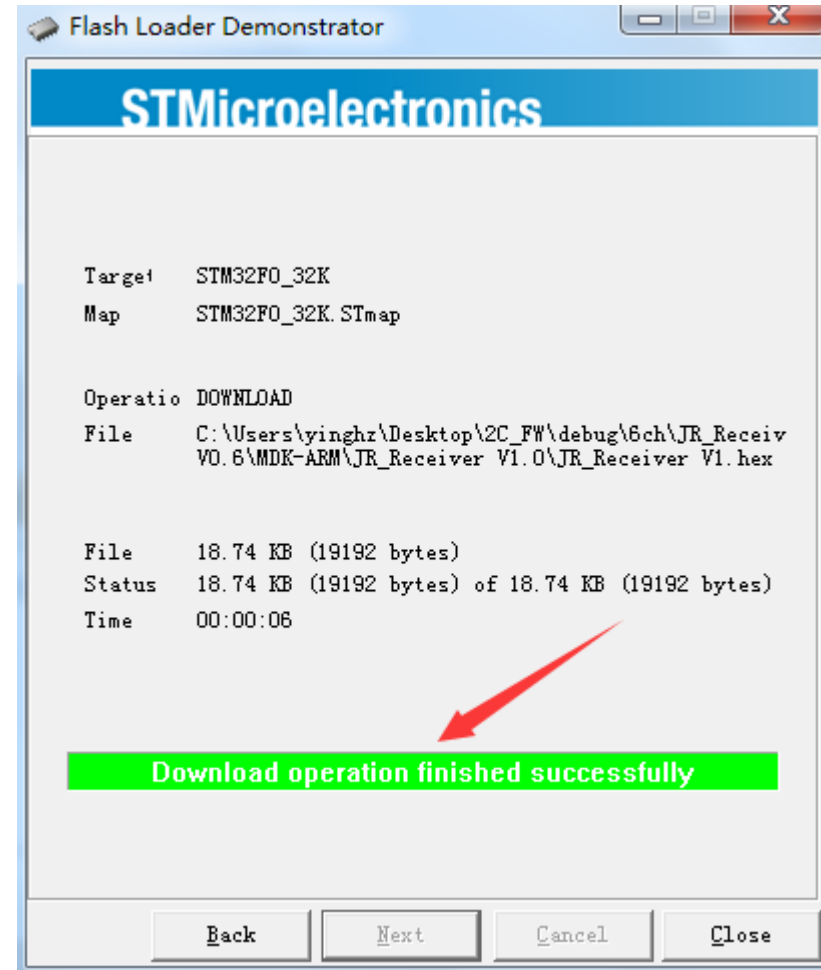
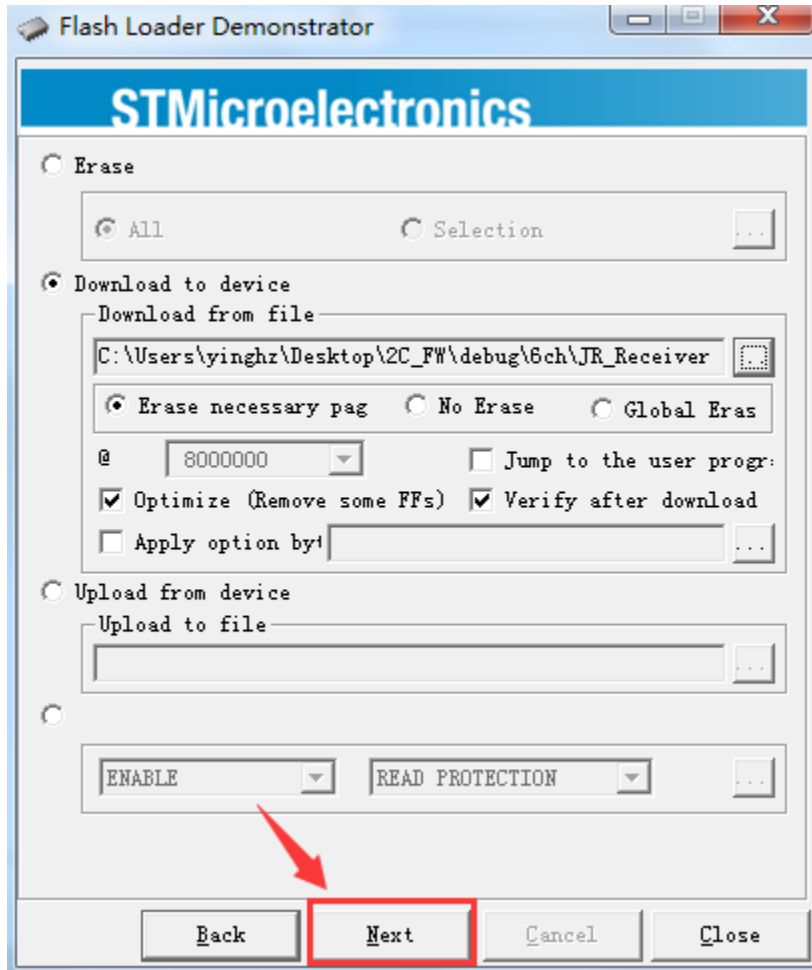




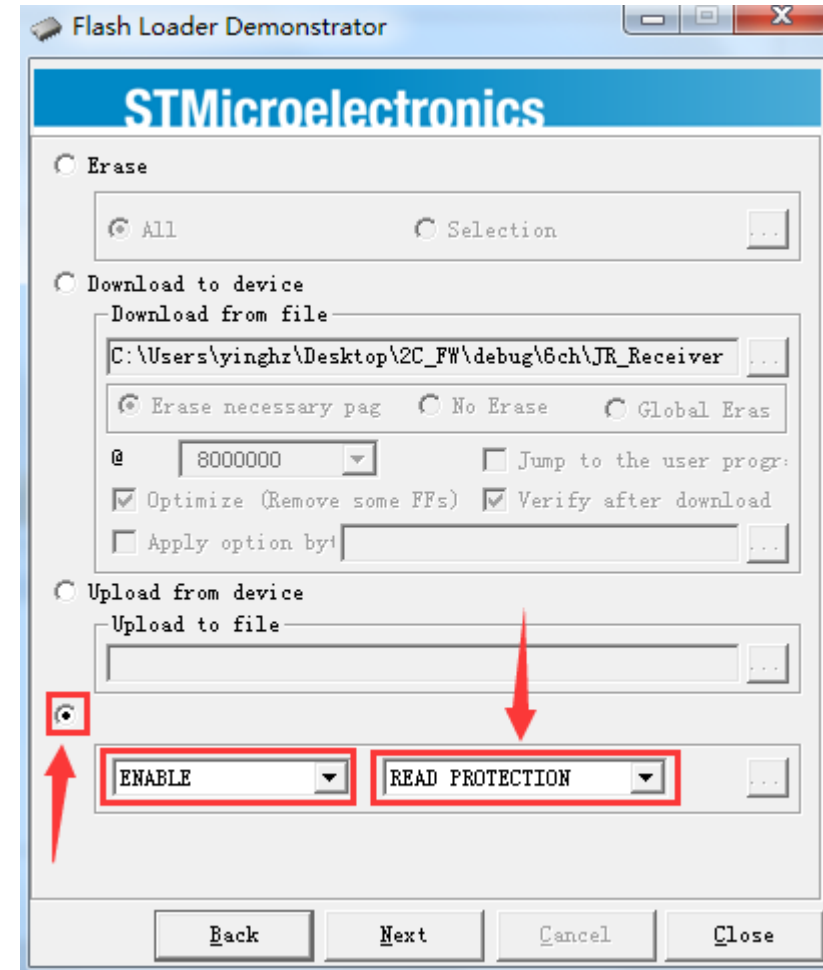
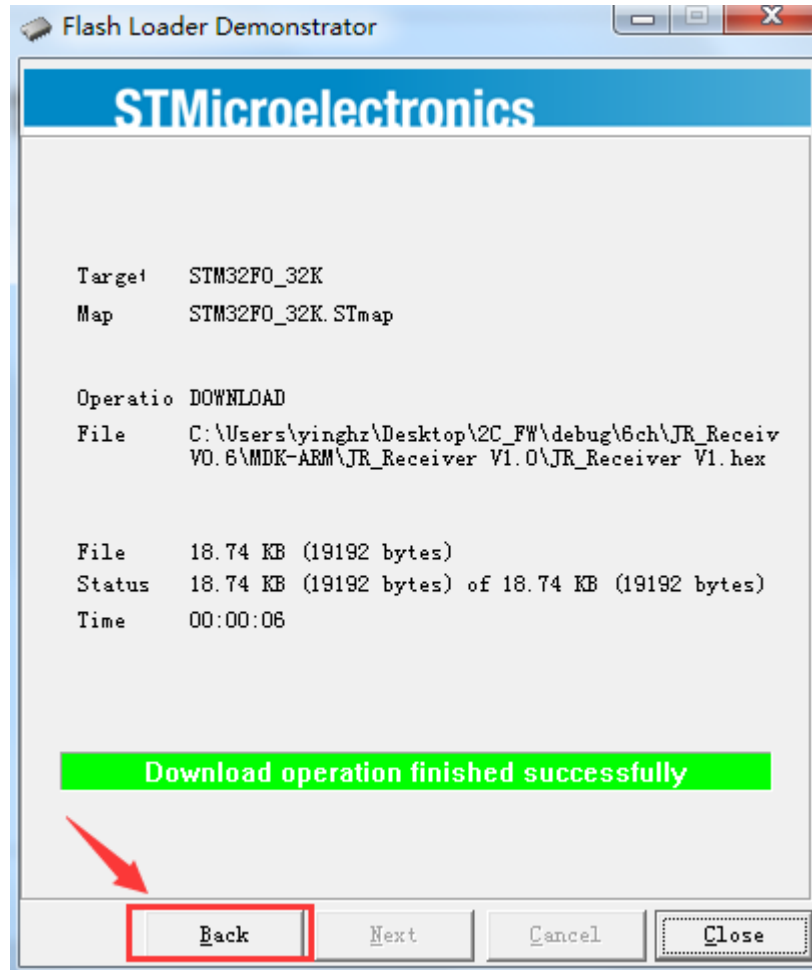
# Load the HEX file



# Next and finish the firmware download!



# Back and enable the READ PROTECTION!



# Yes and done !

