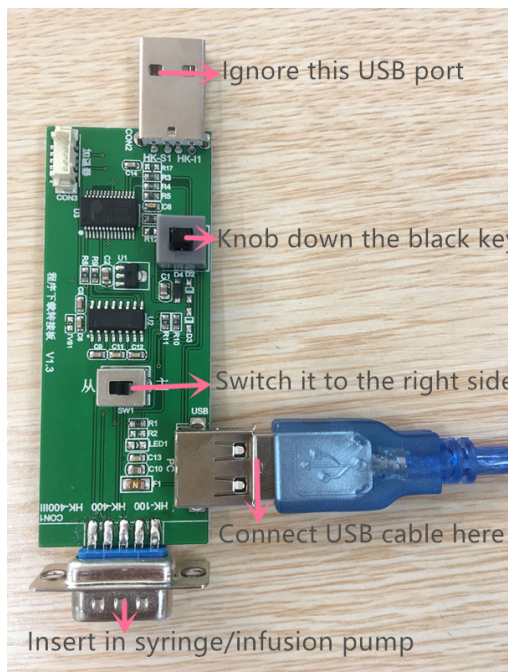


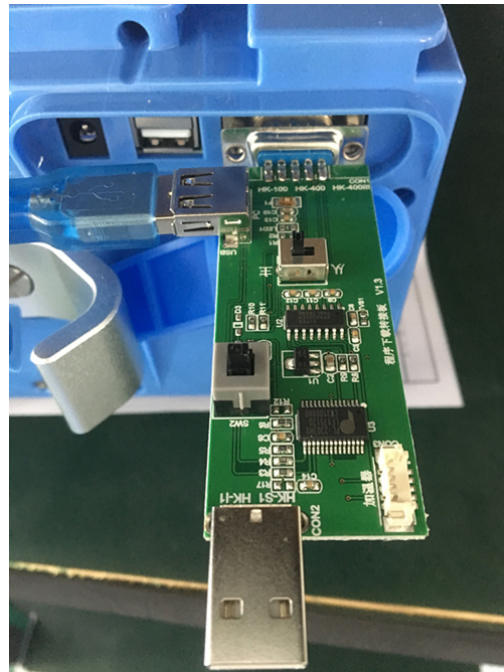
Syringe pump software updating instruction

To upgrade a software of syringe pump, we need a USB cable, an upgrading module, a computer and a syringe pump.

1. Install USB driver named as “PL2303_Prolific_v1.7.0” **after connecting USB to your computer** (that is to say, you need to connect USB cable to your computer first, then install this USB driver)
2. Set upgrading module according to picture (1) .Use RS232 Serial Line or **USB line** to connect with a fixture and computer. Insert the fixture to the syringe pump.



Picture (1)

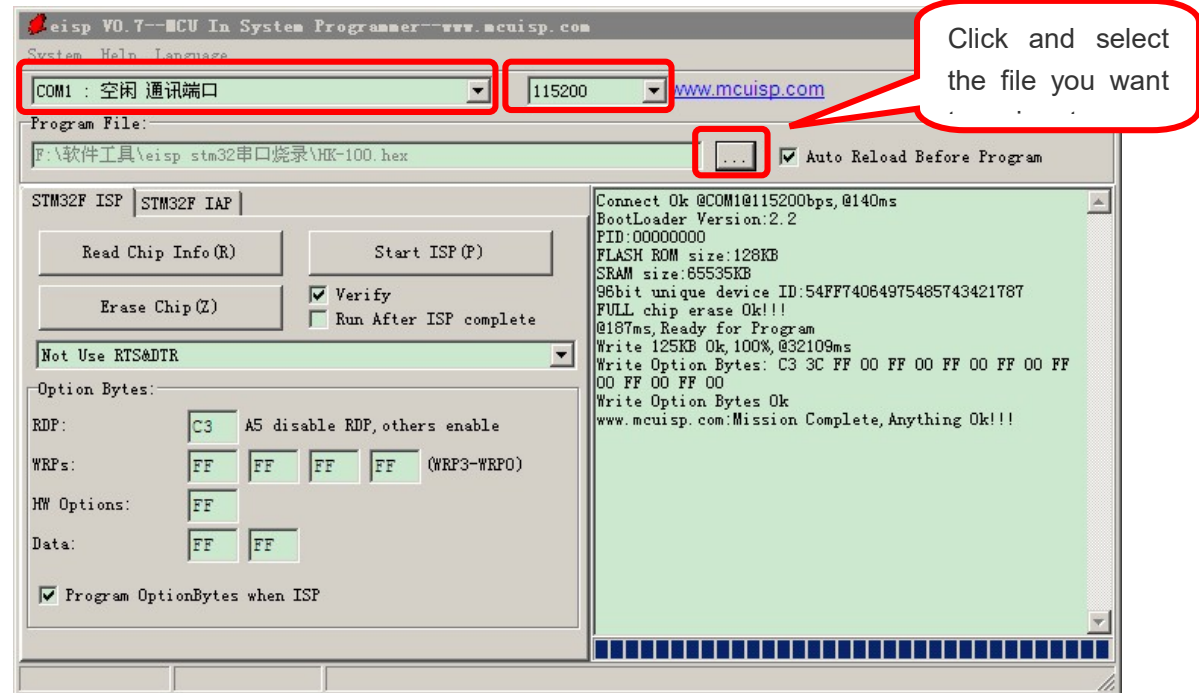


Picture (2)

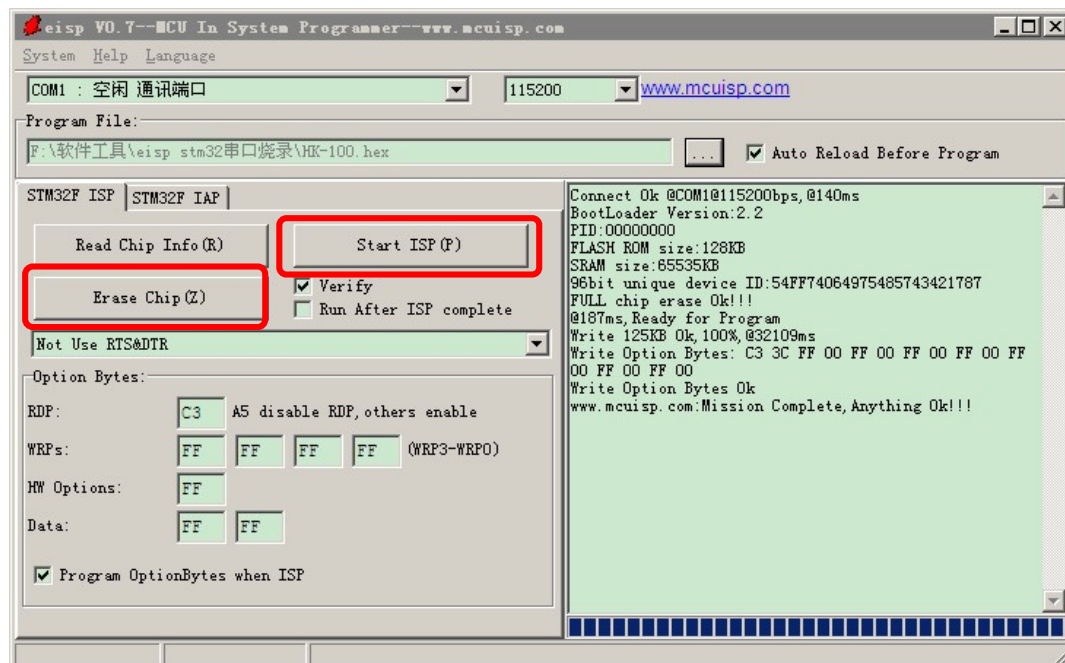


3. Double-click to open the program
4. Select serial port like COM1 and select 115200, select the Program files
For example, PV1000S.hex

syringe pump upgrading
manual



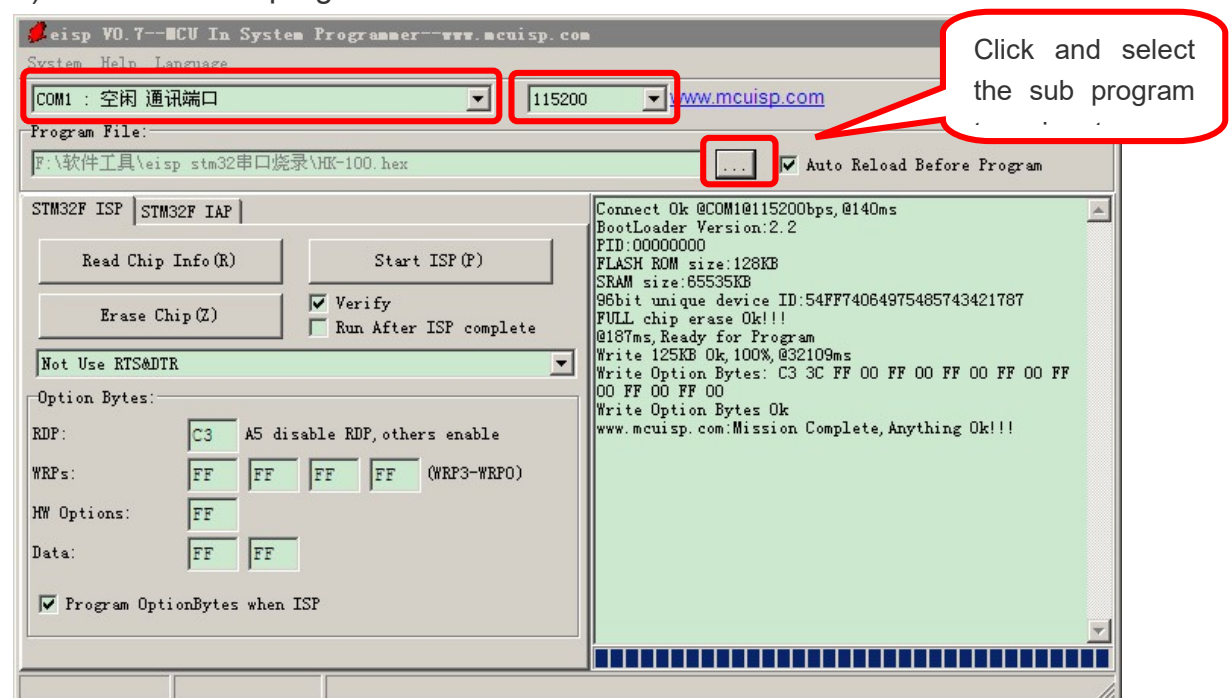
5. **Keep pressing and hold on** the power key until upgrading is finished. Click **Erase Chip (Z)** to erase program. After erasing program, click **Start ISP(P)** to download program to syringe pump.



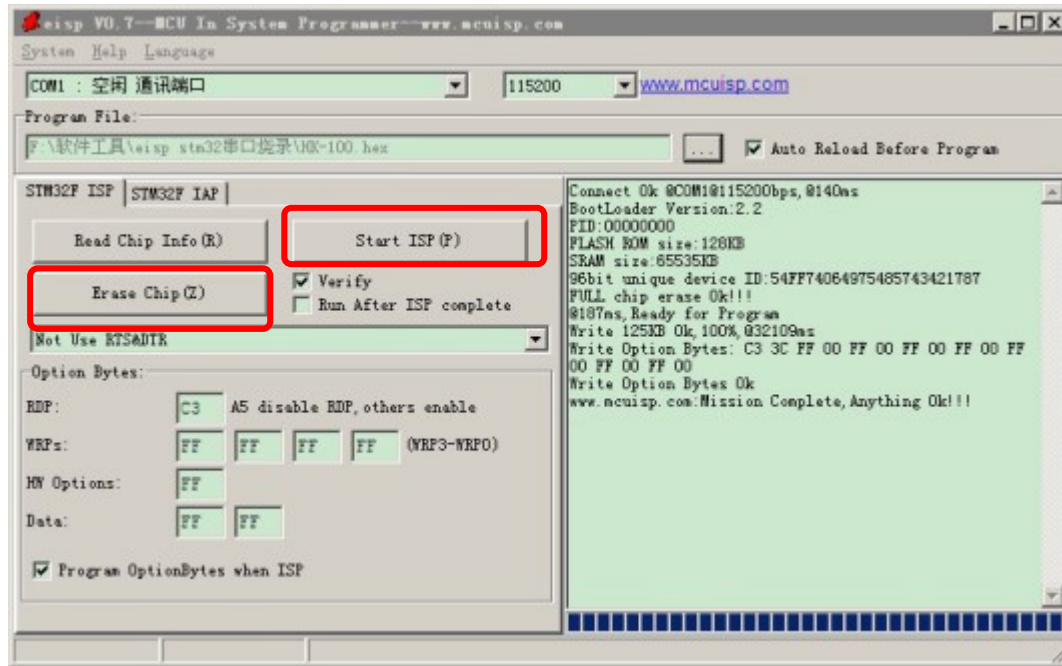
6. Now switch the key to the “从” side. And continue to upgrade sub program as per procedure 4 and 5. (Pls refer to the below)



- 1) Select the sub program



Keep pressing and hold on the power key until upgrading is finished. Click **Erase Chip (Z)** to erase sub program. After erasing sub program, click **Start ISP(P)** to download the sub program to syringe pump.



Attention: During program downloading to syringe pump, pls be sure to keep pressing on power key.

7. After finishing upgrading, unplug the upgrading module and turn on the machines. Set the time and calibrate it again if necessary.