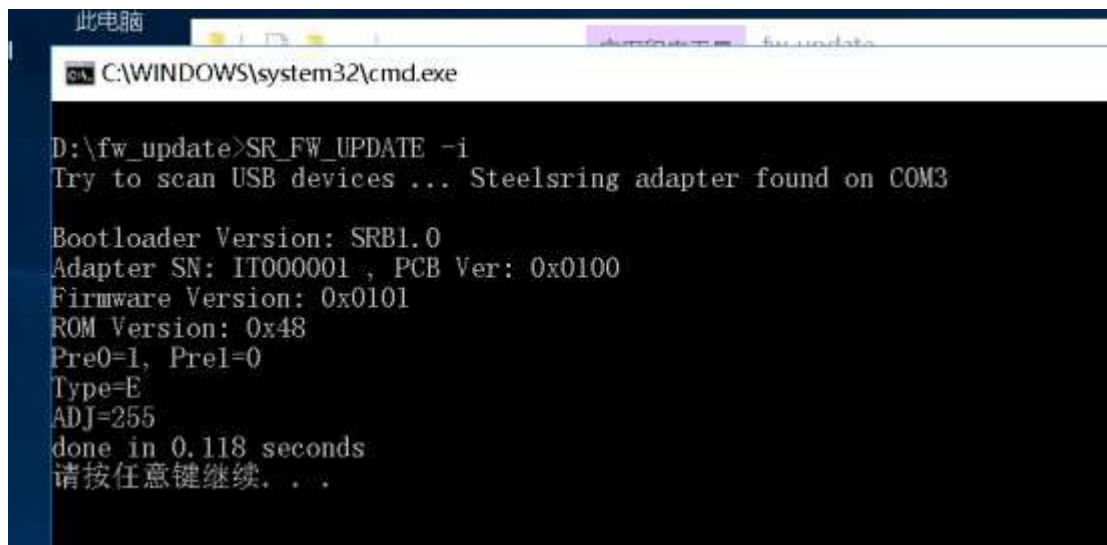


NK/GFX Firmware Update Procedure

- 1) Preparation: Windows 8+ PC, USB Micro cable, Empty Steelsring NK/GFX adapter without lens mounted.
- 2) Download firmware from http://www.steelsring.com/firmware/fw_nkgfx-version-number.zip

NOTE: version-number in above URL should be replace with real version number such as 1.03

- 3) Unpack fw_nkgfx-**version-number**.zip into local folder
- 4) Put one end of USB Micro cable into NK/GFX adapter's USB socket, plug another end of USB Micro cable into PC.
- 5) In File Explorer, double click **step1.bat** with mouse left button (This step is optional , you can bypass it).
 - a) If Adapter entered bootloader mode, and connected with PC successfully, it will show following screen. If you can see it, you can press any keys to quit, and go to Step 6) to start firmware flash.



```
C:\WINDOWS\system32\cmd.exe
D:\fw_update>SR_FW_UPDATE -i
Try to scan USB devices ... Steelsring adapter found on COM3

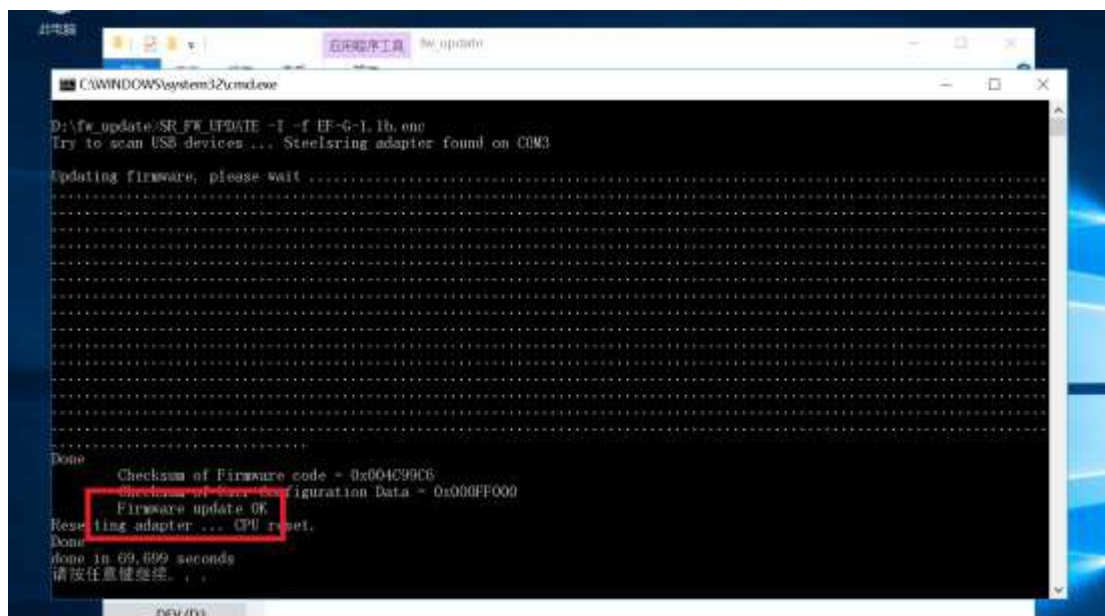
Bootloader Version: SRB1.0
Adapter SN: IT000001, PCB Ver: 0x0100
Firmware Version: 0x0101
ROM Version: 0x48
Pre0=1, Pre1=0
Type=E
ADJ=255
done in 0.118 seconds
请按任意键继续. . .
```

- b) If it shows following information or others, please repeat step 4) and 5), or change to another USB cable.



- 6) In File Explorer, double click *./step2-version-number.bat* with mouse left button

- a) If Firmware flashing starts, it will display the following dynamic information.



- b) If you cannot see above screen, it means your downloaded firmware is damaged or USB connection is not OK, please repeat steps 4) - 6) for several times or change to other USB Micro cable.

- 7) If firmware updated OK, it will show "Firmware update OK" message on the

screen, please wait 30 seconds before removing the USB cable. If firmware update hang or abort in the middle of firmware update, you can repeat step 4) – 6) later. However, adapter will not function as normal unless you have a successful firmware update.

Any problems, please report to support@steelsring.com.