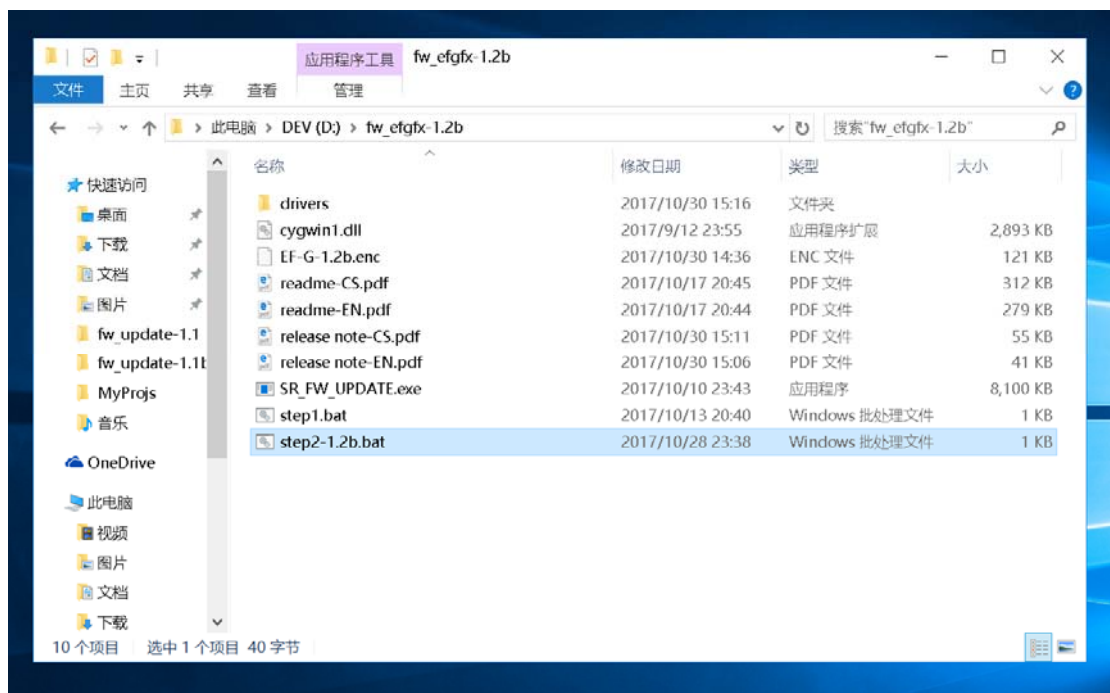


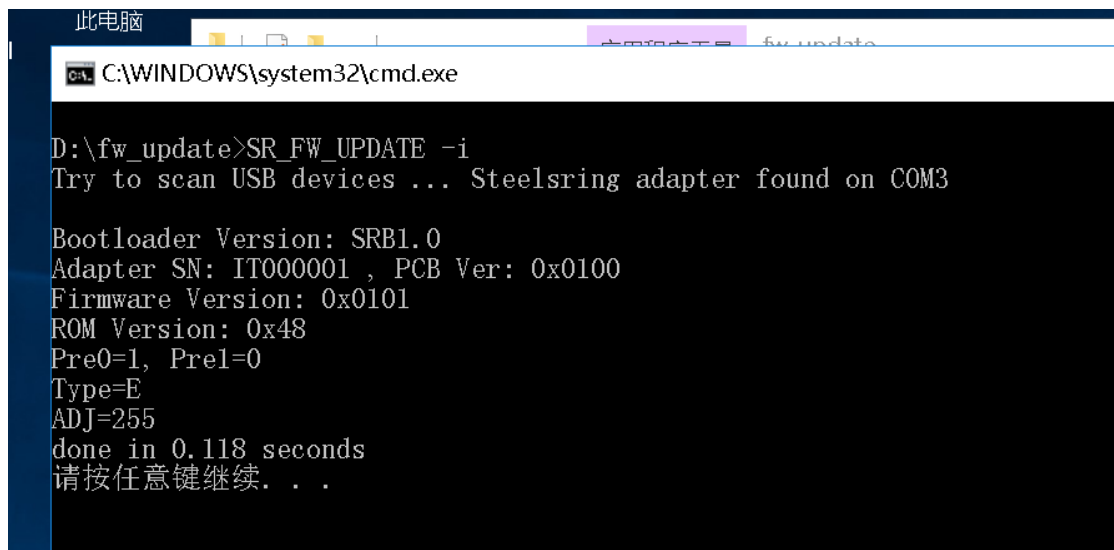
EF/GFX 1.2 Firmware Update

- 1) Preparation: Windows 8 / 10 PC, USB Micro cable, Empty Steelsring EF/GFX adapter
- 2) Download firmware from http://www.steelsring.com/firmware/fw_efgfx-1.2.zip
- 3) Unpack fw_efgfx-1.2.zip , and find it in File Explorer



- 4) Put one end of USB Micro cable into EF/GFX adapter's USB socket. Press done the Multifunctional Button and keep it pressed, plug another end of USB Micro cable into PC, wait 5-10 seconds, release the Multifunctional Button.

- 5) In File Explorer, double click mouse left button on **step1.bat**
- 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 close this console window, and go to Step 6) to start firmware flash.

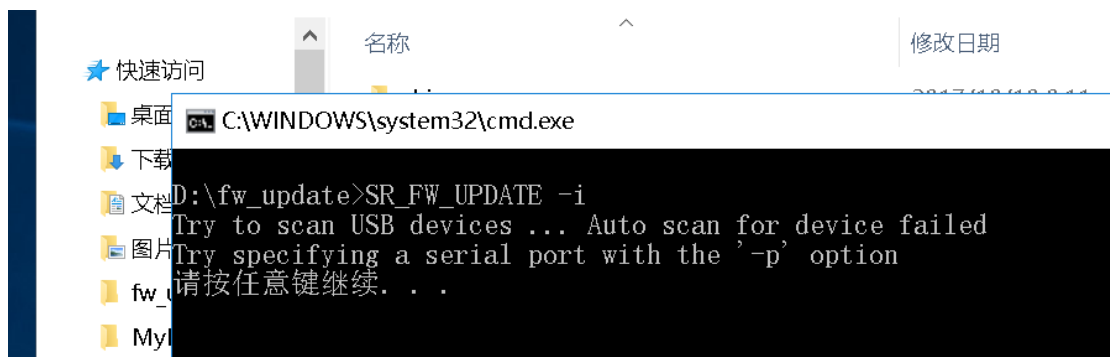


```
C:\WINDOWS\system32\cmd.exe

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, Prel=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).

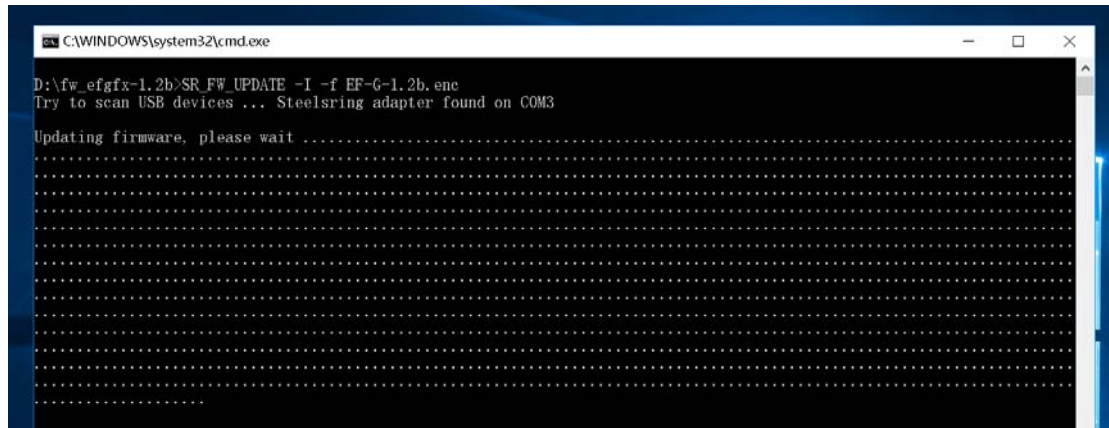


```
C:\WINDOWS\system32\cmd.exe

D:\fw_update>SR_FW_UPDATE -i
Try to scan USB devices ... Auto scan for device failed
Try specifying a serial port with the '-p' option
请按任意键继续. . .
```

6) In File Explorer, double click mouse left button on **step2-1.2.bat**

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

A screenshot of a Windows command prompt window titled "C:\WINDOWS\system32\cmd.exe". The window has a black background with white text. The text displayed is as follows:

```
D:\fw_efgfx-1.2b>SR_FW_UPDATE -I -f EF-G-1.2b.enc
Try to scan USB devices ... Steelsring adapter found on COM3

Updating firmware, please wait .....
```

The text "Updating firmware, please wait" is followed by a series of dots, indicating a progress or waiting state. The window's title bar and standard Windows window controls (minimize, maximize, close) are visible at the top.

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 for 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.

[illegible]