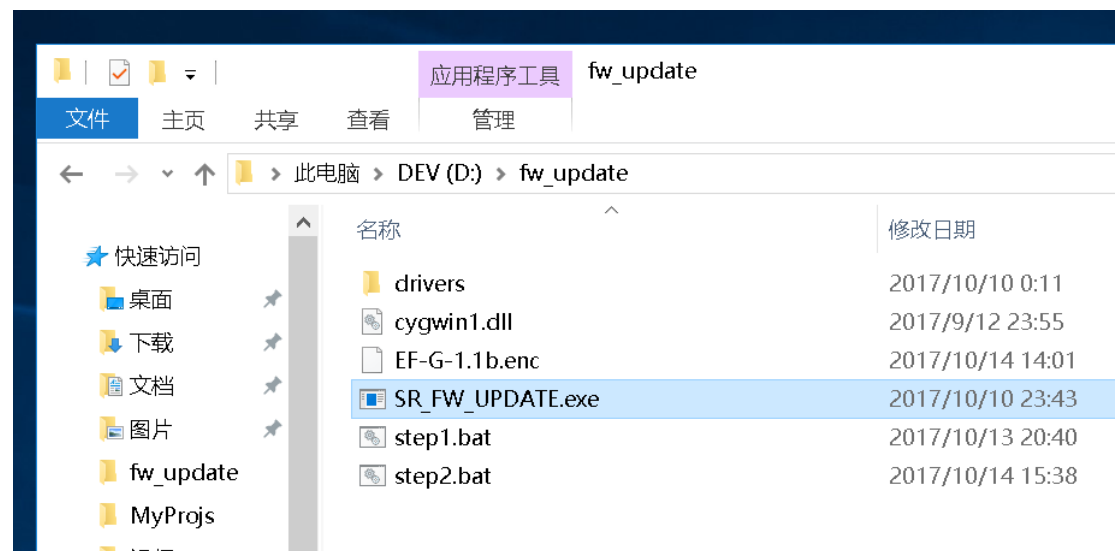
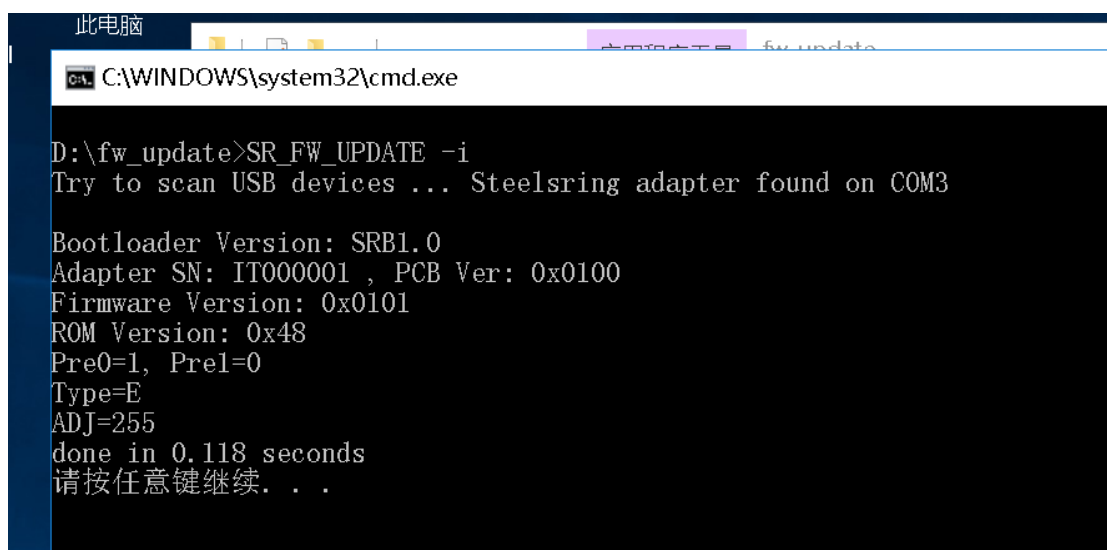


EF/GFX Ver 1.1 固件升级

- 1) 准备: Windows 8 或 10 电脑, USB Micro 电缆, 空接环 (无镜头)
- 2) 下载固件 http://www.steelsring.com/firmware/fw_update-1.1.zip
- 3) 解压缩 fw_update-1.1.zip, 在文件管理器中查看如下



- 4) 把 USB Micro 电缆的小头插入接环 USB 槽。保持按住接环上的多功能按键, 然后插入 USB 的另一端到 PC 的 USB 插槽。过 5 秒钟, 松开多功能按键。
- 5) 在文件管理器中, 鼠标左键双击 **step1.bat**
 - a) 如果接环链接正常, 并且进入刷机模式, 显示应如下格式。此时按任意按键退出该窗口, 进入步骤 6) 开始刷机




```
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) 如果显示如下信息，请重复步骤 4) 和 5)

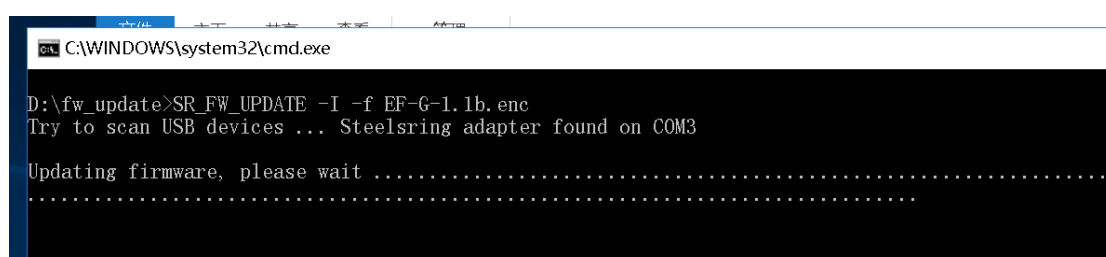


```
C:\WINDOWS\system32\cmd.exe

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) 在文件管理器中，鼠标左键双击 **step2.bat**

a) 如果刷机正常开始，屏幕上会有动态信息显示如下。



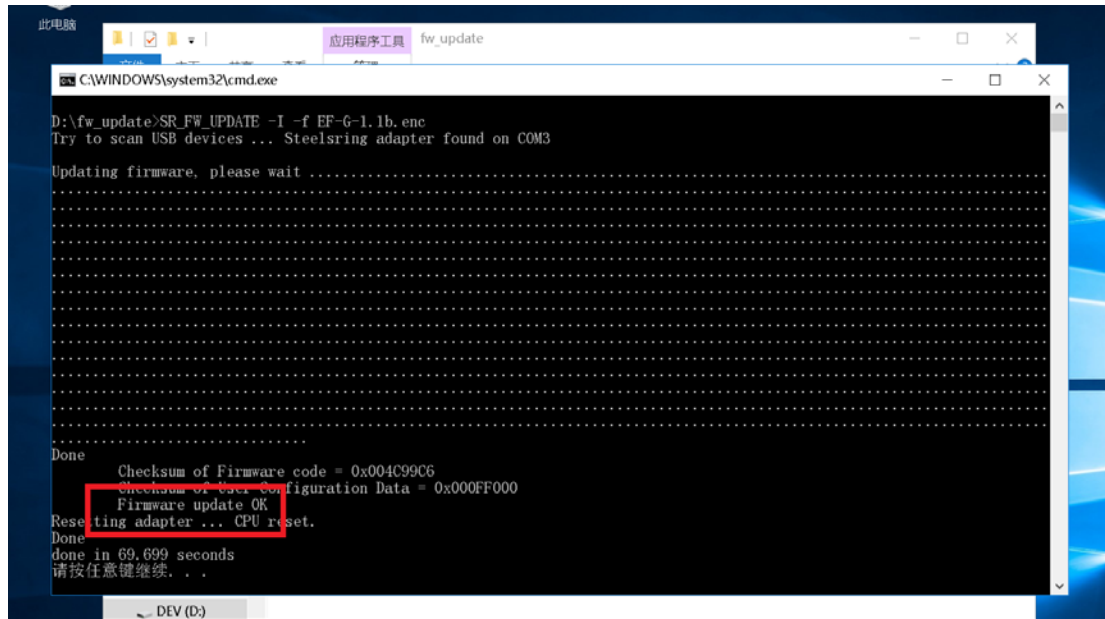
```
C:\WINDOWS\system32\cmd.exe

D:\fw_update>SR_FW_UPDATE -I -f EF-G-1.1b.enc
Try to scan USB devices ... Steelsring adapter found on COM3

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

b) 如果不能显示以上信息，表示固件文件有问题或者链接不正常，请重复步骤 5) 和 6)，或者联系店家处理

7) 如果刷机正常，显示 “Firmware update OK”，恭喜你，刷机完成。请等待 30 秒后，去除电缆。可以开始使用接环。



The screenshot shows a Windows command prompt window titled "C:\WINDOWS\system32\cmd.exe". The user has executed the command `D:\fw_update>SR_FW_UPDATE -I -f EF-G-1.1b.enc`. The output indicates that a "Steelsring adapter" was found on COM3 and the firmware is being updated. A progress bar of dots is shown. After the update, the following status is displayed:

```
Done
Checksum of Firmware code = 0x004C99C6
Checksum of User Configuration Data = 0x000FF000
Firmware update OK
Resetting adapter ... CPU reset.
Done
done in 69.699 seconds
请按任意键继续...
```

The text "Firmware update OK" is highlighted with a red rectangle. The window's taskbar shows the application "fw_update" and the drive "DEV (D:)" is visible at the bottom.