

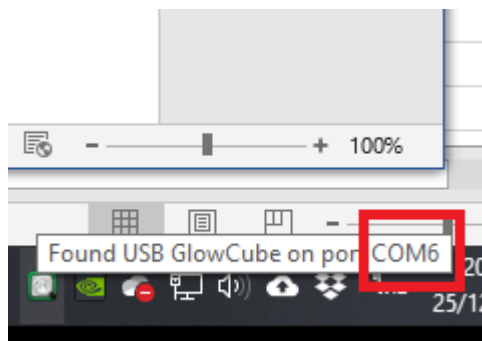
How to update GlowCube OLED firmware.

Firmware updating notice

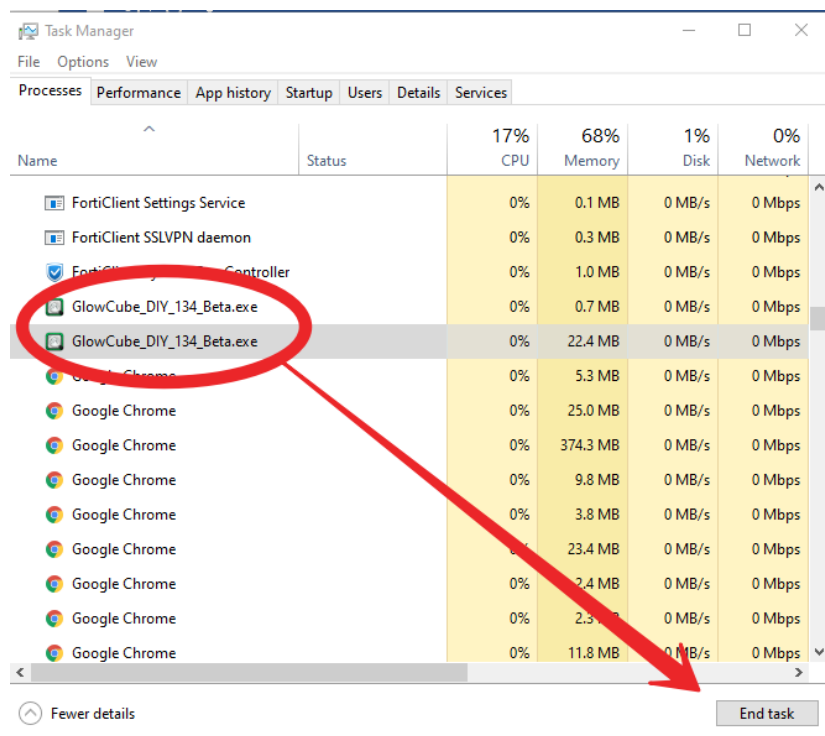
1. Updating firmware has some risk in operation. If error, your device may be disabled, bricked. You may have to ship the device back to us to solve if device is bricked.
2. Firmware file has per-device encryption. Your file cannot be used to other devices weather we sold them or not. If you flash file to the other devices such as ESP32 or ESP8266, your device will be bricked and cannot be used. We has no responsibility for this case.

How to update.

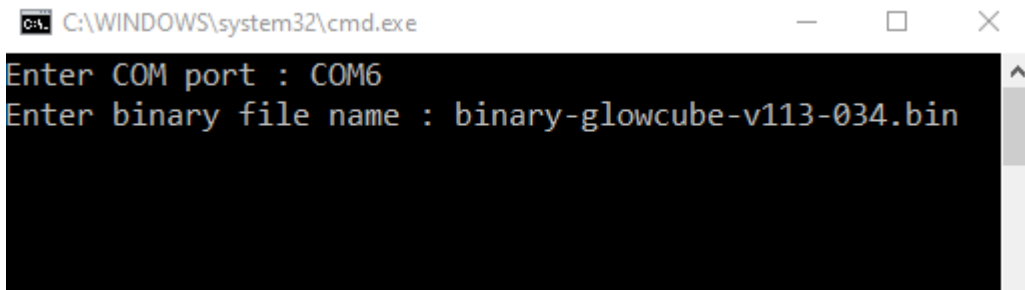
1. Download GlowCube program, run the program as administrator as usual, hover your mouse cursor over the icon in tray bar, you will see COM port it's using. Take a note.



2. End Task all the GlowCube processes in Task Manager (sort process by name will help).

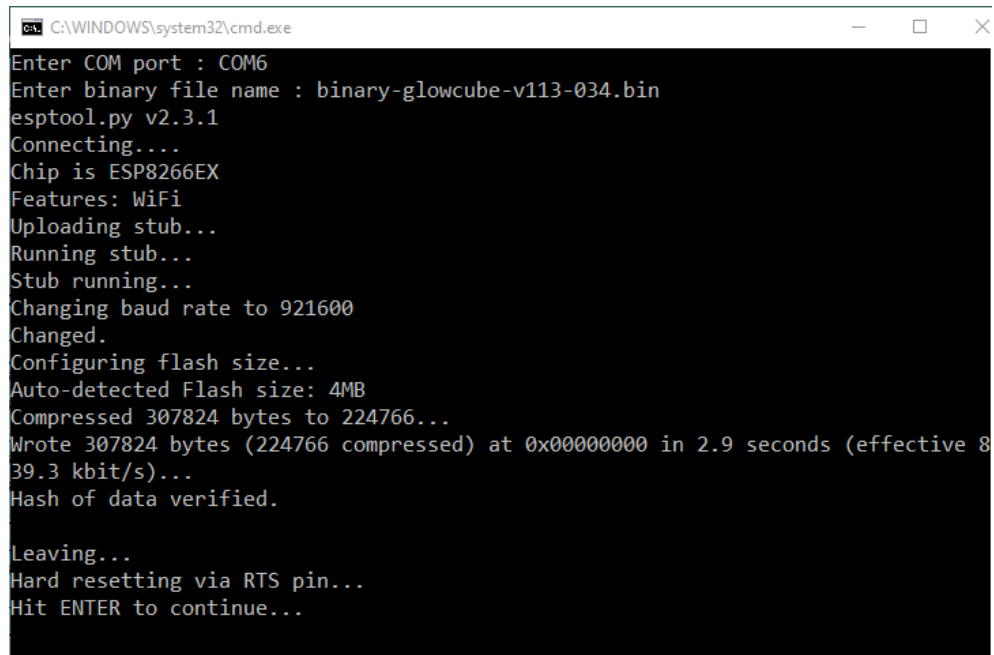


3. Extract our .zip file to any folder and double click "glowcube_flasher.bat". The command prompt will appear, input COM port you noted in the first step and input exact the .bin file name you've got.



```
C:\WINDOWS\system32\cmd.exe
Enter COM port : COM6
Enter binary file name : binary-glowcube-v113-034.bin
```

4. If everything is correct, it will takes 5-10 seconds and show the message below. The screen will be automatically rebooted. Enjoy your new firmware!



```
C:\WINDOWS\system32\cmd.exe
Enter COM port : COM6
Enter binary file name : binary-glowcube-v113-034.bin
esptool.py v2.3.1
Connecting....
Chip is ESP8266EX
Features: WiFi
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 921600
Changed.
Configuring flash size...
Auto-detected Flash size: 4MB
Compressed 307824 bytes to 224766...
Wrote 307824 bytes (224766 compressed) at 0x00000000 in 2.9 seconds (effective 8
39.3 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...
Hit ENTER to continue...
```