

## DSP Firmware Upgrade Process

### ◆ Via RS232 cable

**Step1.** Connect the unit and the PC via RS232 cable, and utility power to AC terminal, switches AC breaker on. Please refer to picture as below.

**NOTE:** There is no NEED to turn off the unit when updating the DSP program. Keeping the unit up and running and make sure the LCD lights normally.



Figure 1

**Step2.** Please check the COM Port Number as below pictures.

**NOTE:** Make sure all communication applications which use this COM port are turned off. The application software includes inverter monitoring application software.

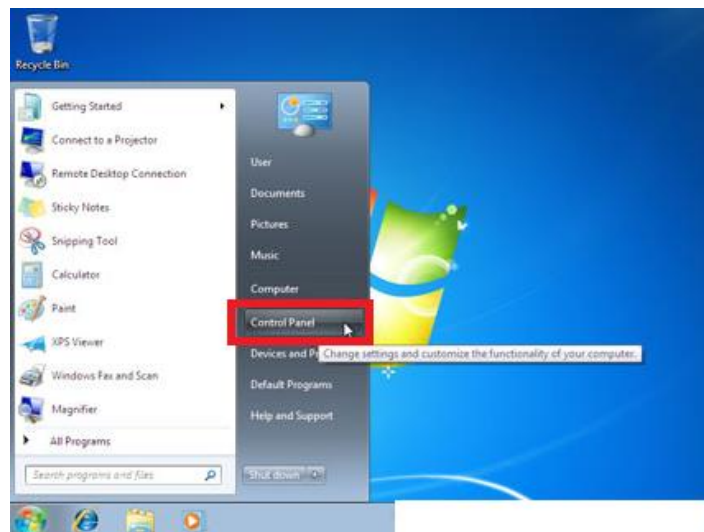


Figure 2



Figure 3

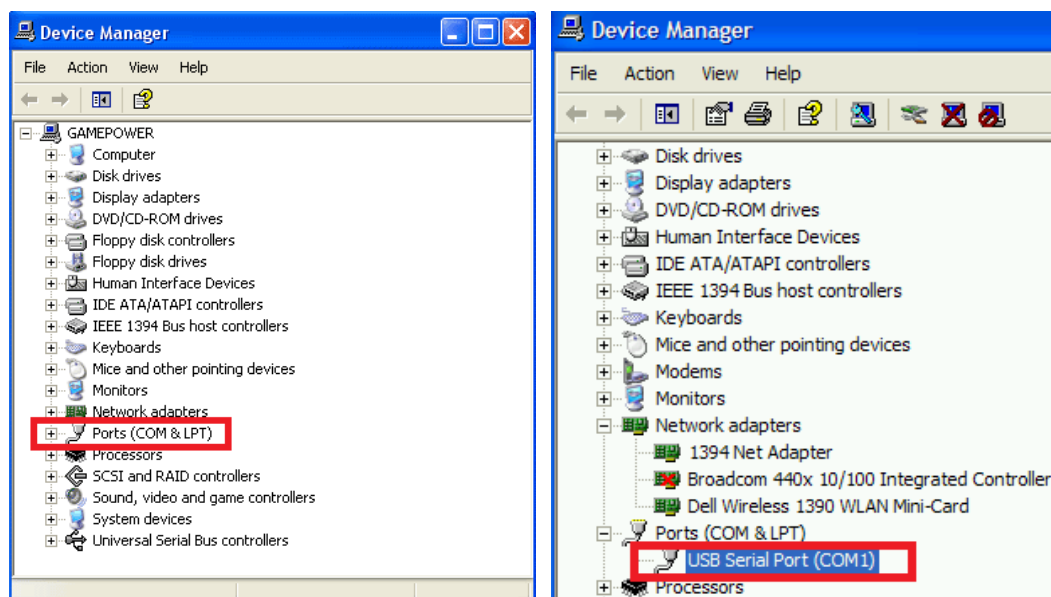


Figure 4

**Step3.** Execute "UPSReflashTool". Please refer to below picture.

名稱	修改日期	類型	大小
<b>ArenaINVReflashTool.exe</b>	2017/3/29 下午 08:12	應用程式	1,301 KB
InvConfigFile.ini	2017/3/20 下午 08:03	組態設定	1 KB
tmp.bin	2022/4/6 下午 03:35	FDT4 Data File	179 KB
tmp.txt	2022/4/6 下午 03:35	文字文件	381 KB
VP5K.inv	2022/4/6 下午 03:29	INV 檔案	371 KB

Figure 5

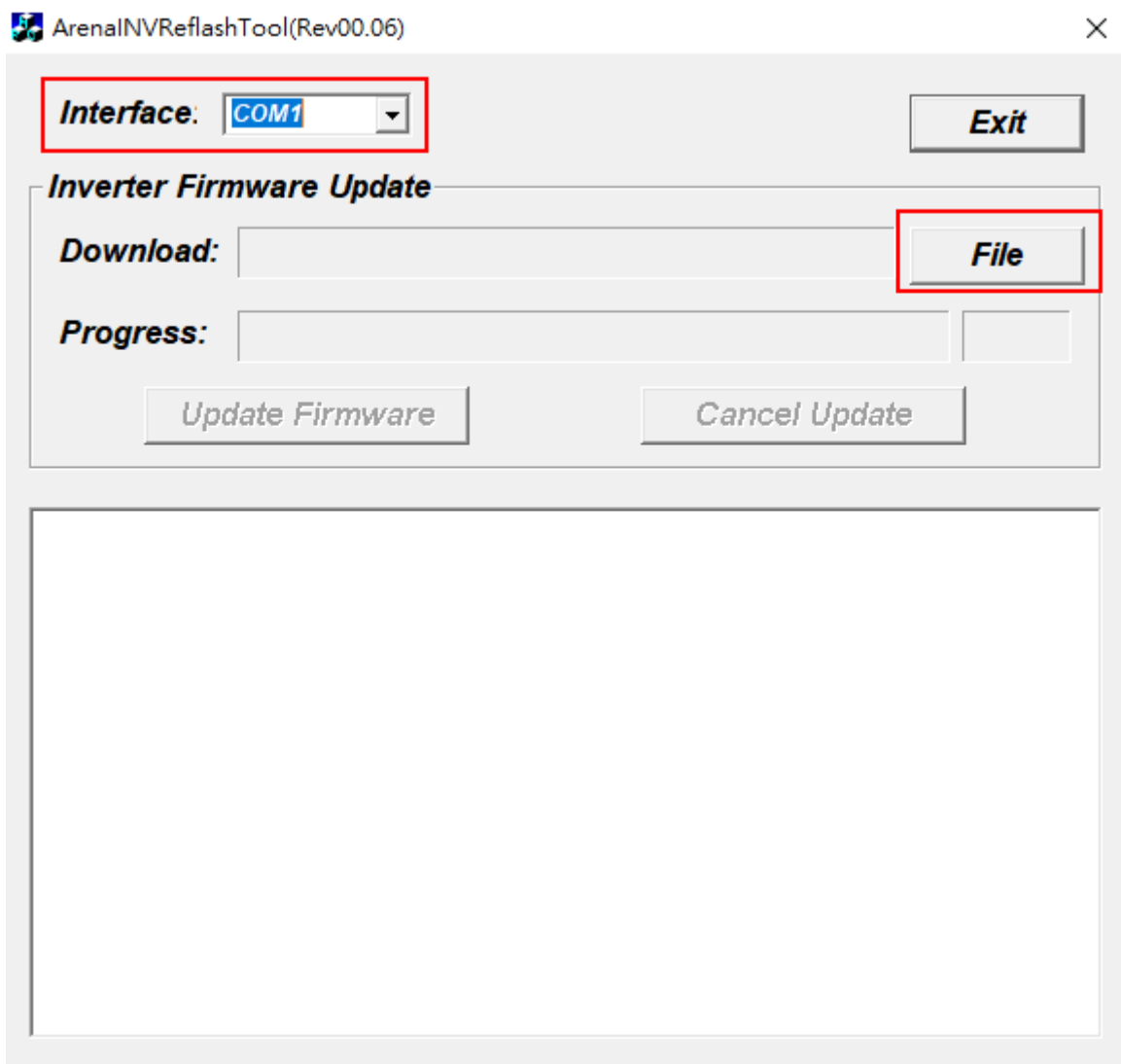


Figure 6

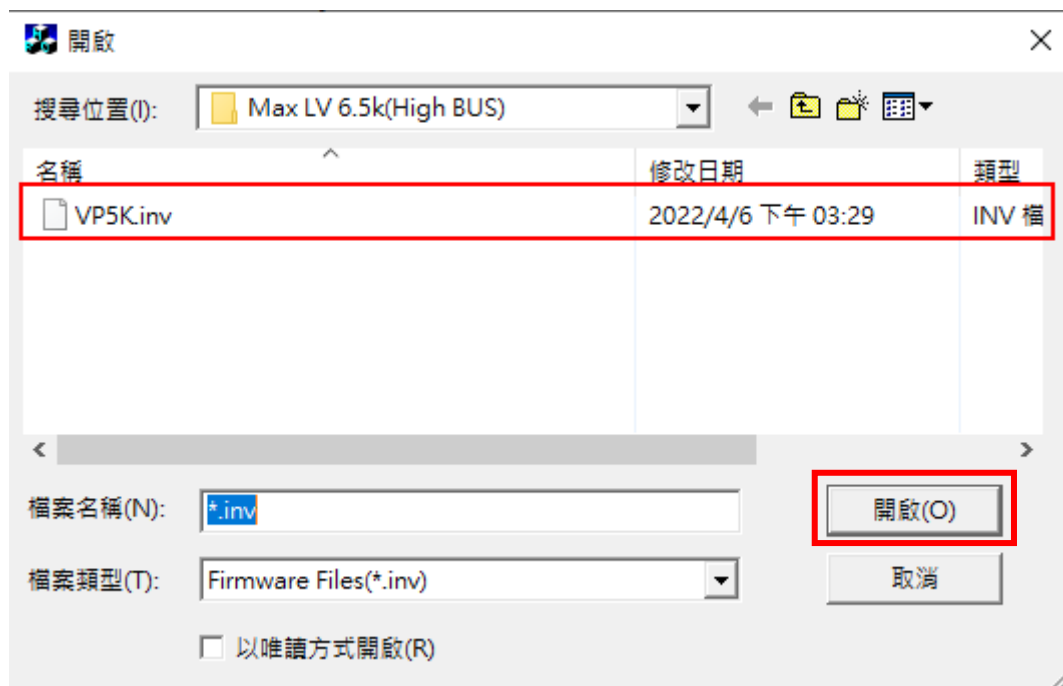


Figure 7

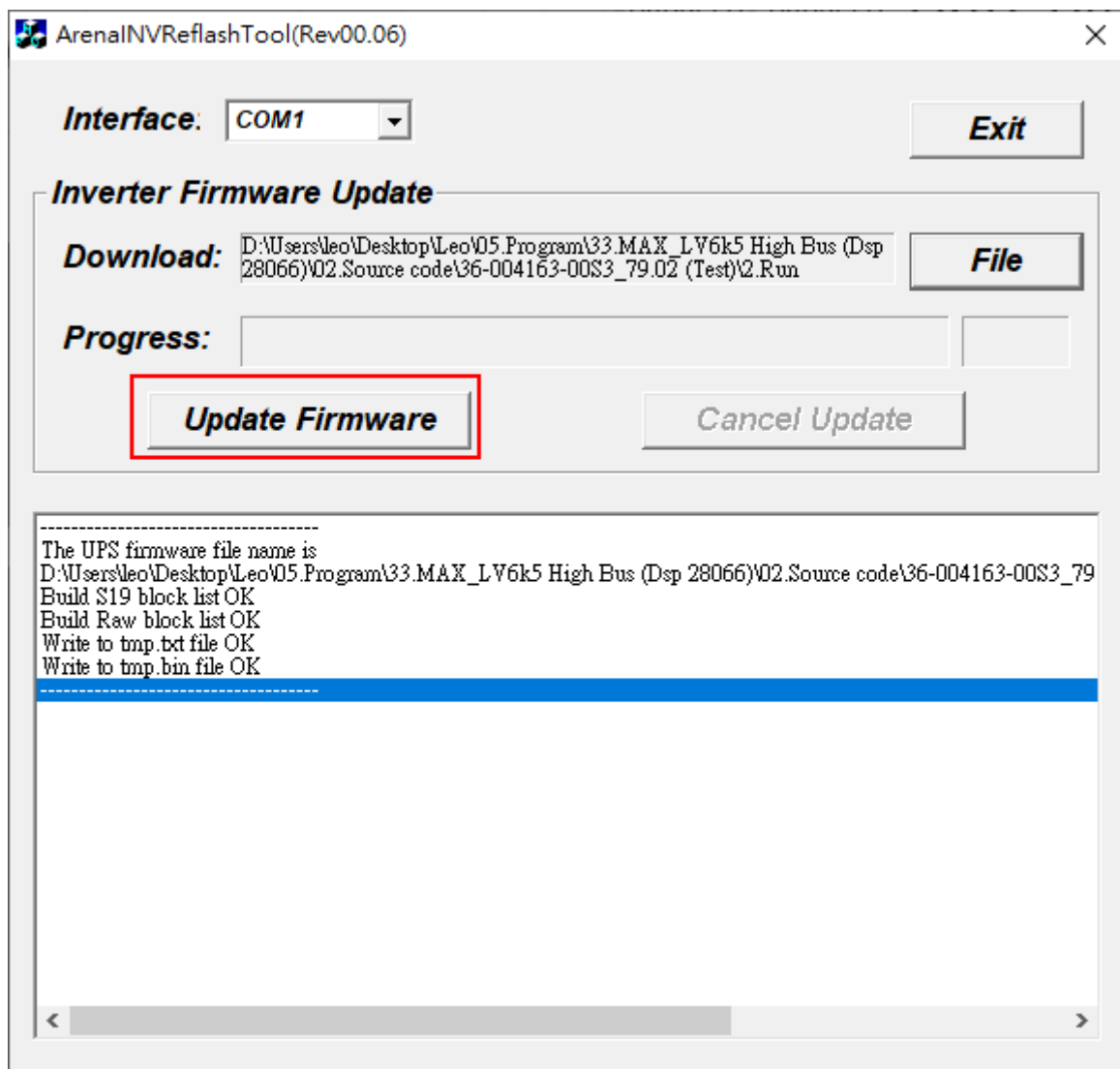


Figure 8

**Step4.** Please wait for about ten seconds. The update will be in progress, LCD will display "UPG YES" and Setting LED 1 will flash once 500ms.

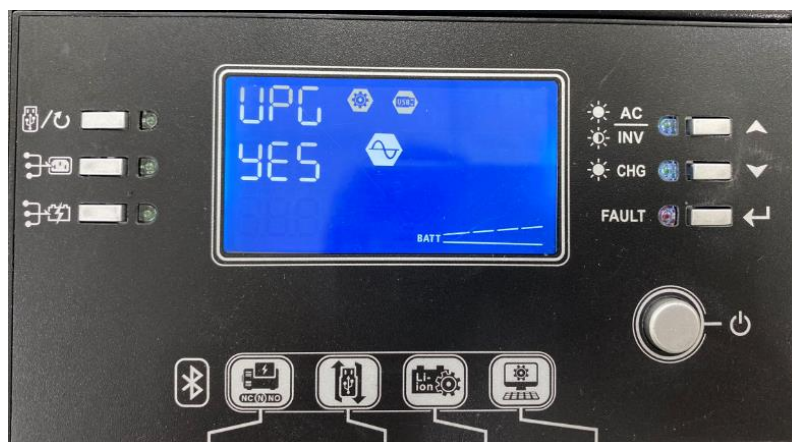


Figure 9

**Step5.** Once upgraded successfully, you can see the pup-up window as below. Please click “確定” to close the pup-up window. Please refer to below picture.

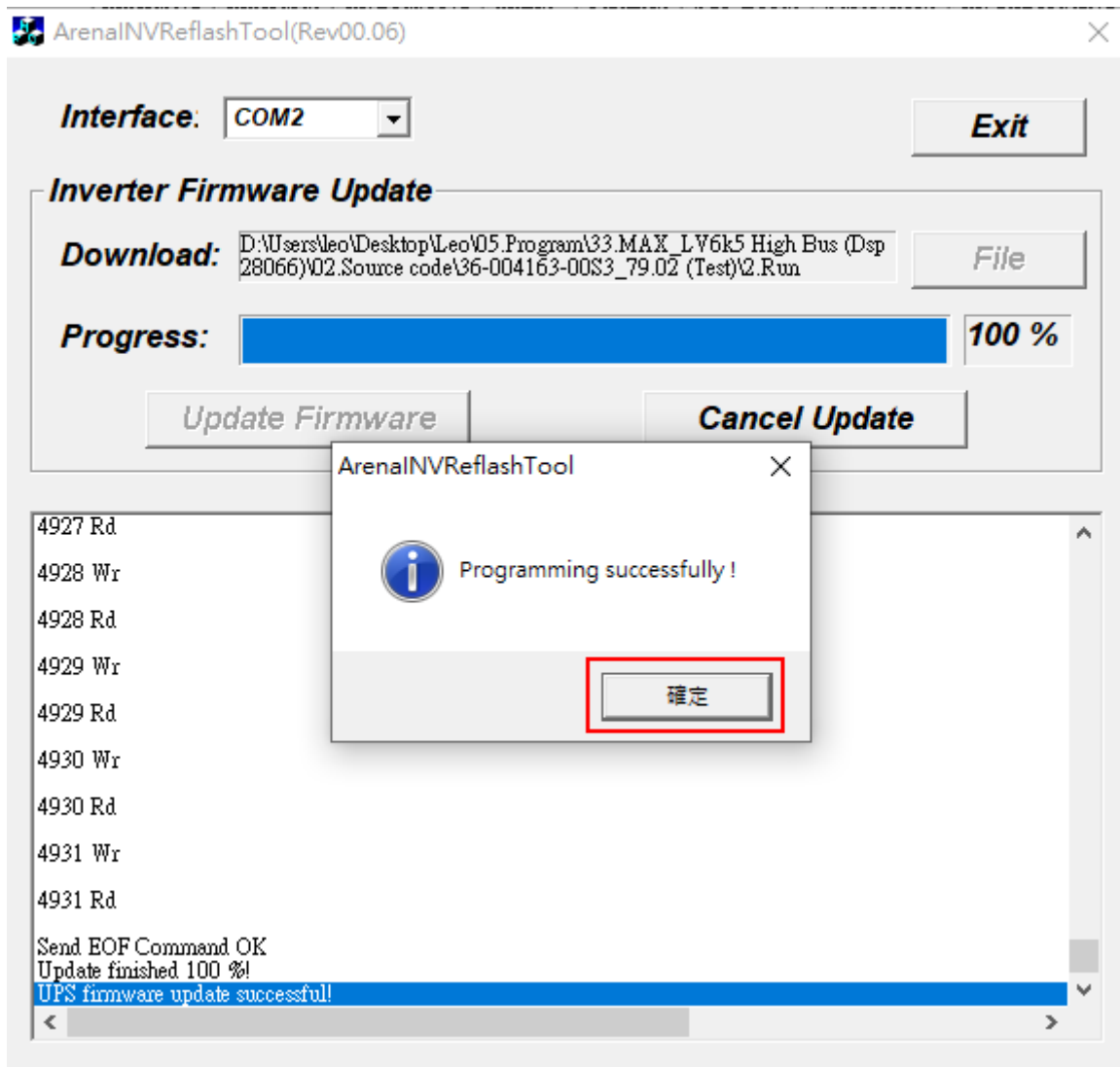


Figure 10

**Step6.** Click "Exit" to exit tool

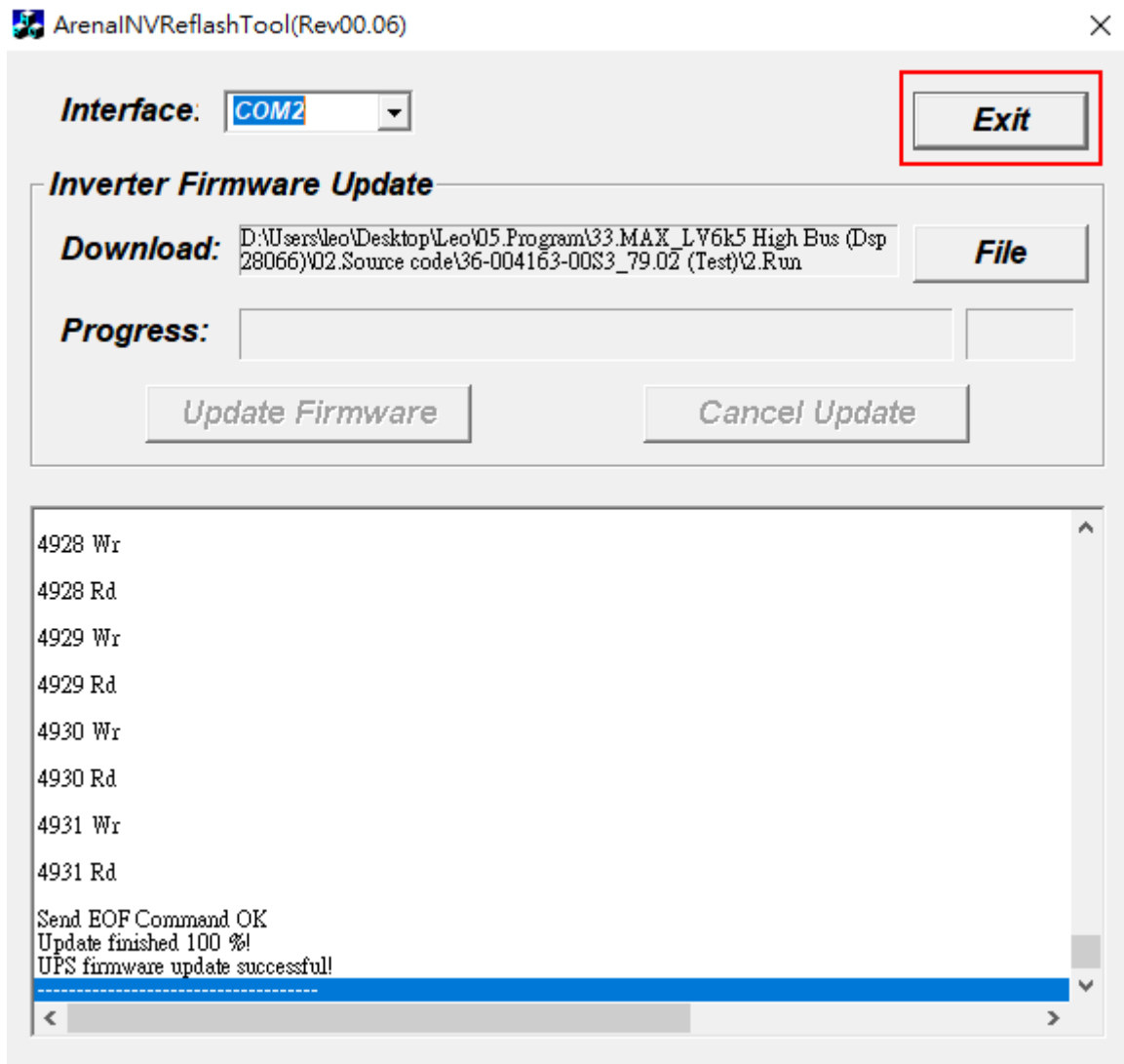


Figure 11

**Step7.** Please wait for about ten seconds. The LCD will return to main screen.



Figure 12

**Step8.** Please confirm the U1 firmware version is changed to 79.02 via LCD.