



## AllWeather Wall Mount & Indoor RS232 Update Guide

***Please read this guide thoroughly before updating the EG4 Electronic battery or batteries. Failure to do so can result in a “soft-bricked Battery”***

***Please do not disconnect the RS232 cable during the update or have the windows computer power off. This will lead to a soft-bricked bms.***

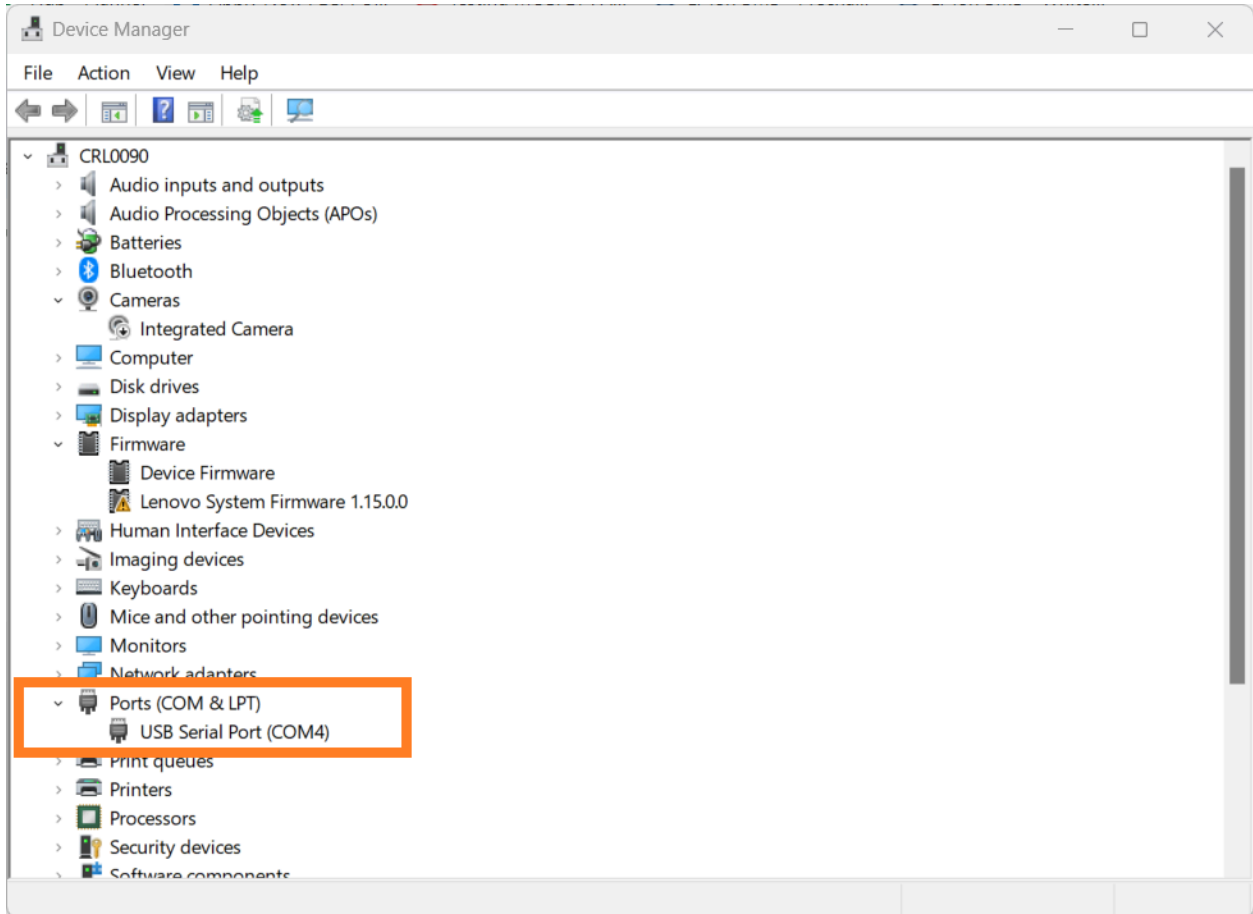
***Remove all cat communication cables between the Battery-Comm that are paralleling each battery, failure to do so will result in a soft bricked bms if attempting to RS232 update multiple batteries at the same time.***

***Only power on the BMS of the EG4 Electronics battery you are updating one at a time, failure to do so will result in a soft bricked bms if attempting to RS232 update multiple batteries at the same time.***

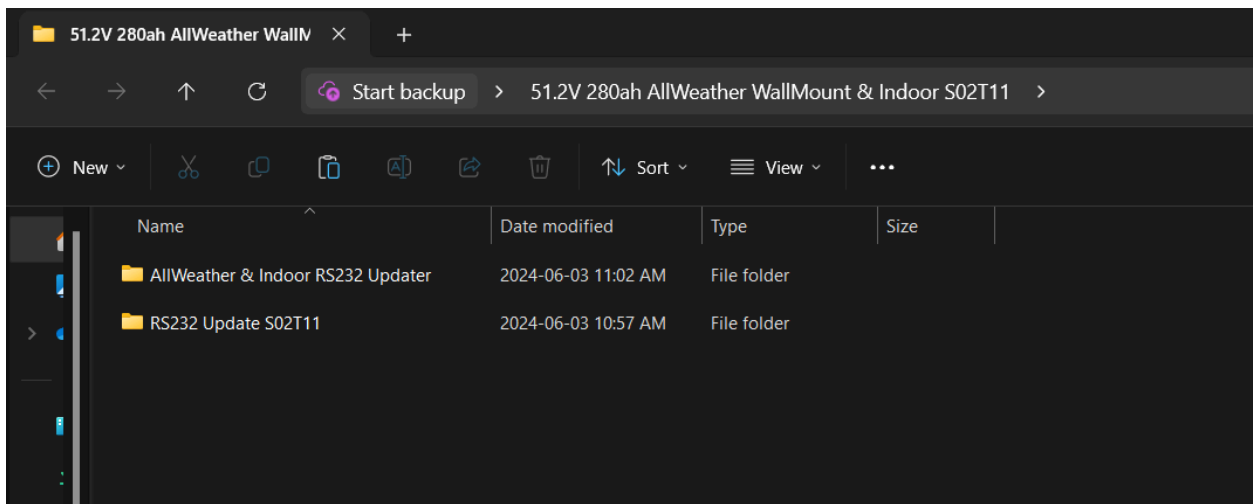
***TroubleShooting Guide included on Page 11.***

1. Using an RS232 to USB-A, connect the RJ45 (Pins 4-Rx, 5-Tx) to the Battery-Comm port on the AllWeather WallMount or Indoor WallMount and then to the USB-A port on a Windows computer.
2. Now power on only the BMS on the AllWeather WallMount or Indoor WallMount battery with the BMS Switch.

3. Confirm that the RS232 Cable you are using is assigned a COM by windows. In our guide Windows 11 has assigned the RS232 cable as COM4.



4. Begin by opening the *51.2V 280ah AllWeather WallMount & Indoor S02T11* main firmware folder.



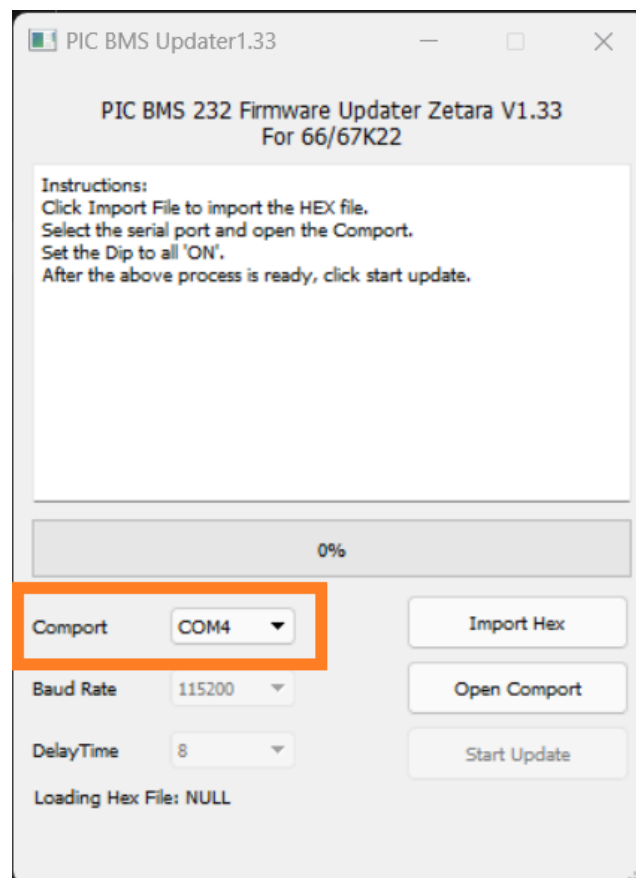
5. Open the AllWeather & Indoor RS232 Updater folder



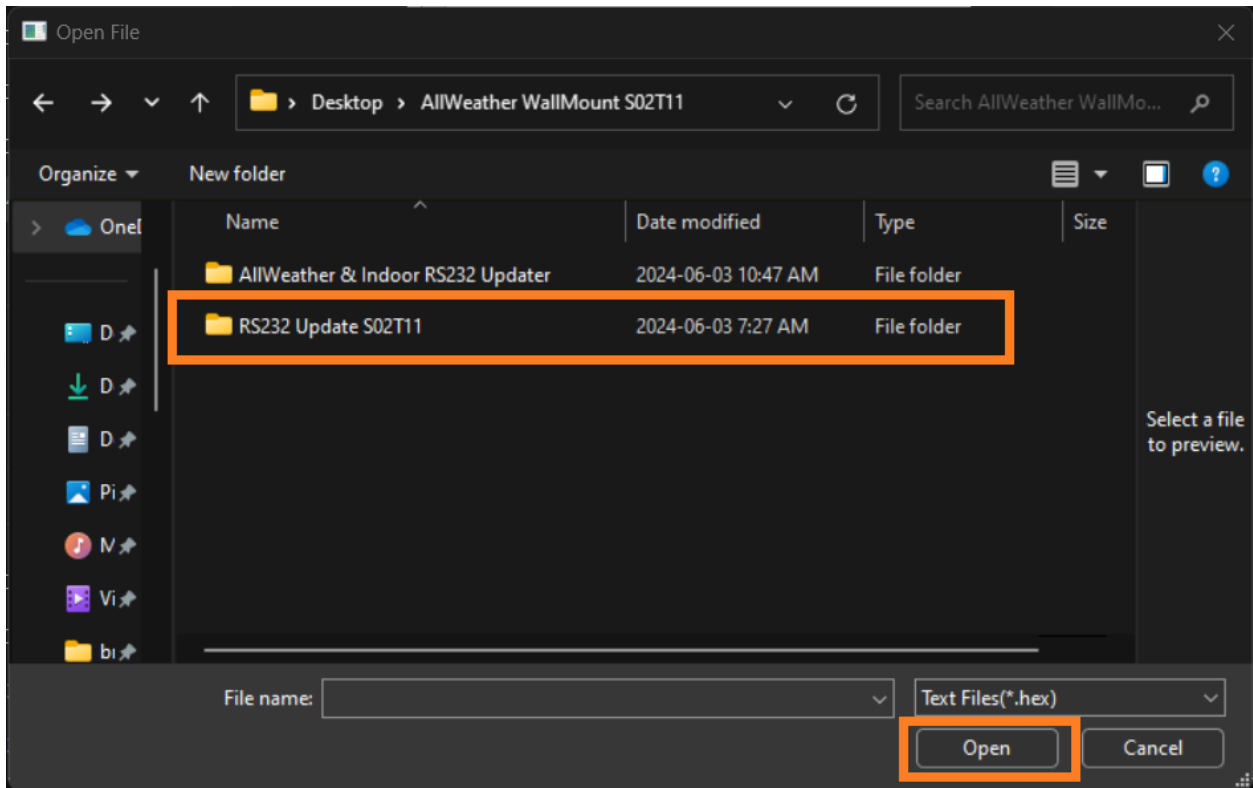
## 6. Open the *AllWeather & Indoor RS232 Updater* application folder

Name	Date modified	Type	Size
iconengines	2024-06-03 10:46 AM	File folder	
imageformats	2024-06-03 10:46 AM	File folder	
platforms	2024-06-03 10:46 AM	File folder	
AllWeather & Indoor RS232 Updater	2023-12-14 3:49 AM	Application	20,899 KB
icudt53.dll	2019-12-12 3:18 AM	Application extens...	21,061 KB
icuin53.dll	2019-12-12 3:18 AM	Application extens...	3,671 KB
icuuc53.dll	2019-12-12 3:18 AM	Application extens...	2,045 KB
libgcc_s_dw2-1.dll	2019-12-12 3:18 AM	Application extens...	118 KB
libstdc++-6.dll	2019-12-12 3:18 AM	Application extens...	1,003 KB
libwinpthread-1.dll	2019-12-12 3:18 AM	Application extens...	48 KB
main.o	2022-10-10 10:54 PM	O File	3 KB
mainwindow.o	2022-10-10 10:54 PM	O File	84 KB
moc_mainwindow.cpp	2022-09-29 3:39 AM	CPP File	7 KB
moc_mainwindow.o	2022-09-29 3:39 AM	O File	12 KB
PIC Updater-115200 (V2-1.33)(1)	2023-12-15 7:35 AM	Compressed (zipp...	39,618 KB
qt_ca.qm	2019-12-12 3:18 AM	QM File	153 KB
qt_cs.qm	2019-12-12 3:18 AM	QM File	167 KB
qt_de.qm	2019-12-12 3:18 AM	QM File	189 KB
qt_fi.qm	2019-12-12 3:18 AM	QM File	177 KB

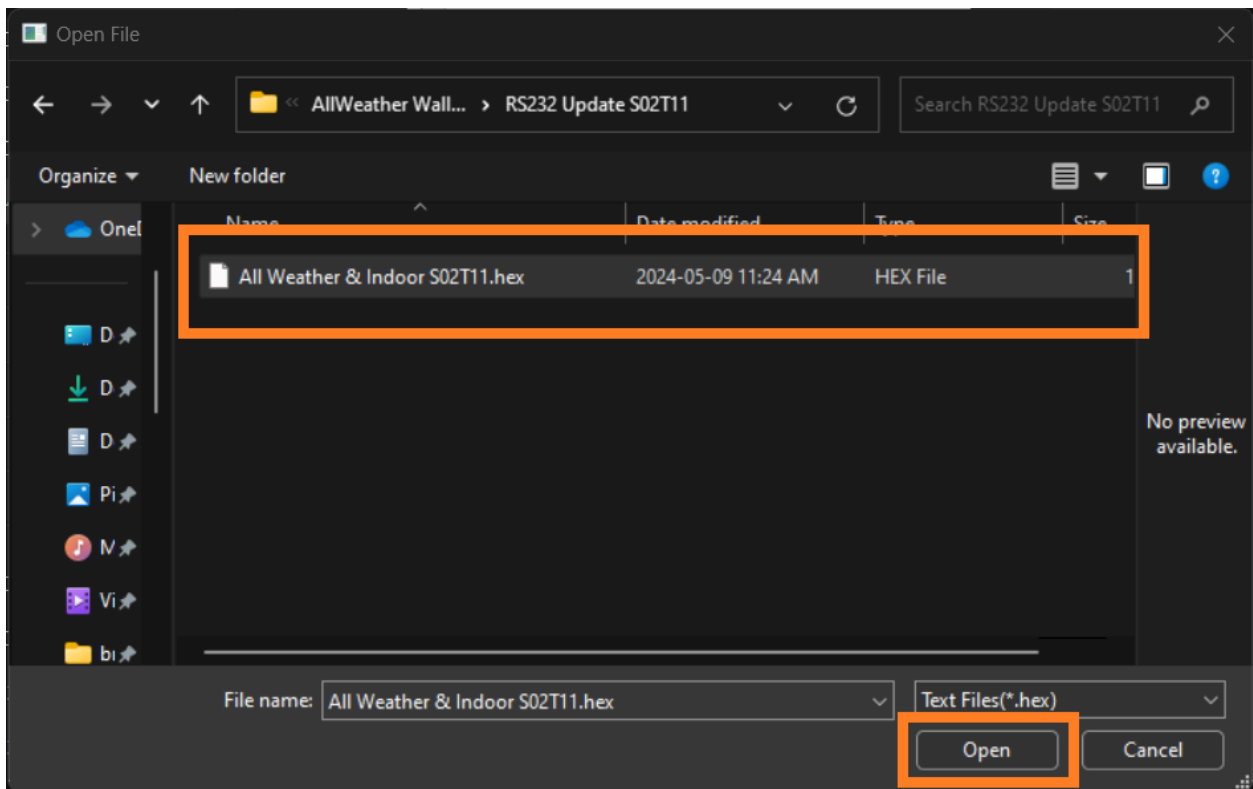
7. The PIC BMS 232 Firmware Updater program will now open. Confirm you have the correct Comport set in the program.



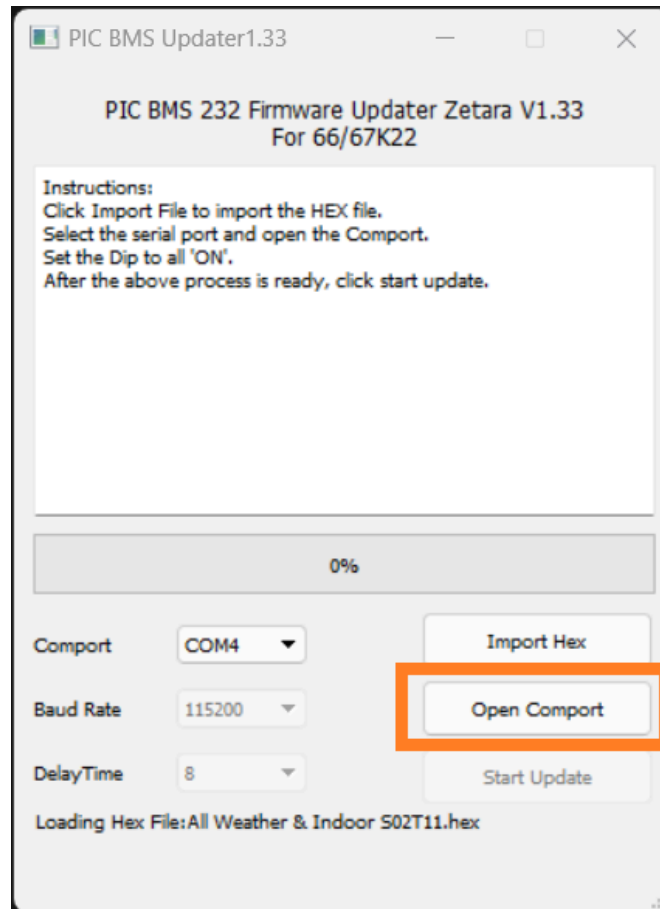
8. Navigate to the *RS232 Update S02T11* folder and click Open.



9. Confirm you import the **All Weather & Indoor S02T11.hex** file. Then click Open.

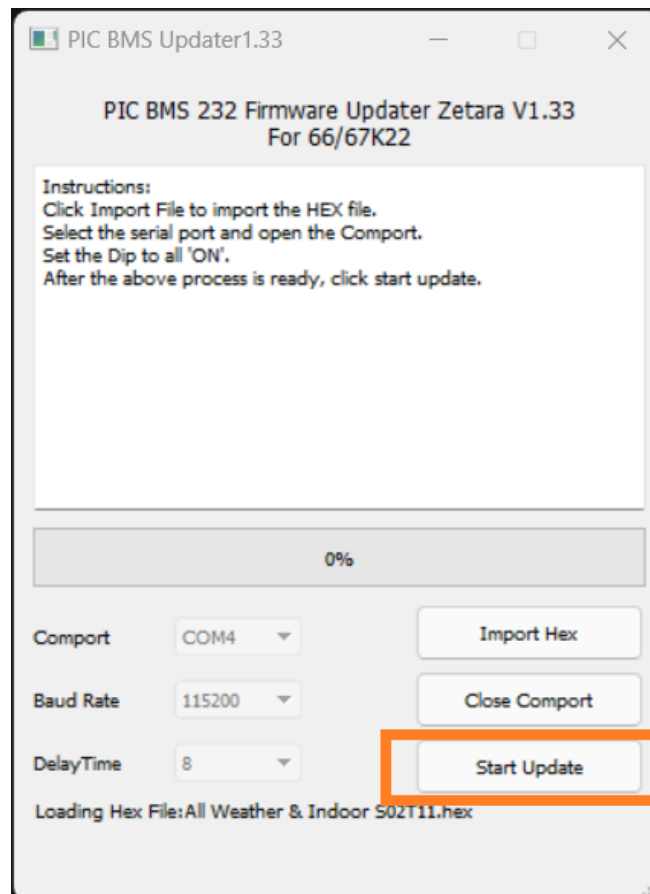


10. Next Click Open Comport.

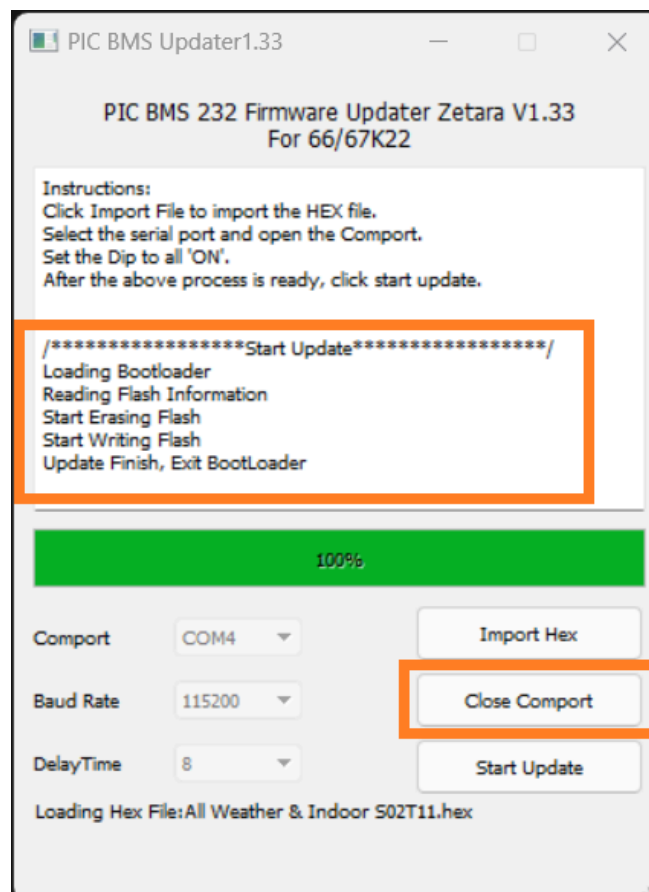




11. Last click Start Update. The progress bar will now begin to fill.



12. When finished in the prompt “ Update Finish, Exit Bootloader” will appear. Now click Close Comport. Then exit the program.

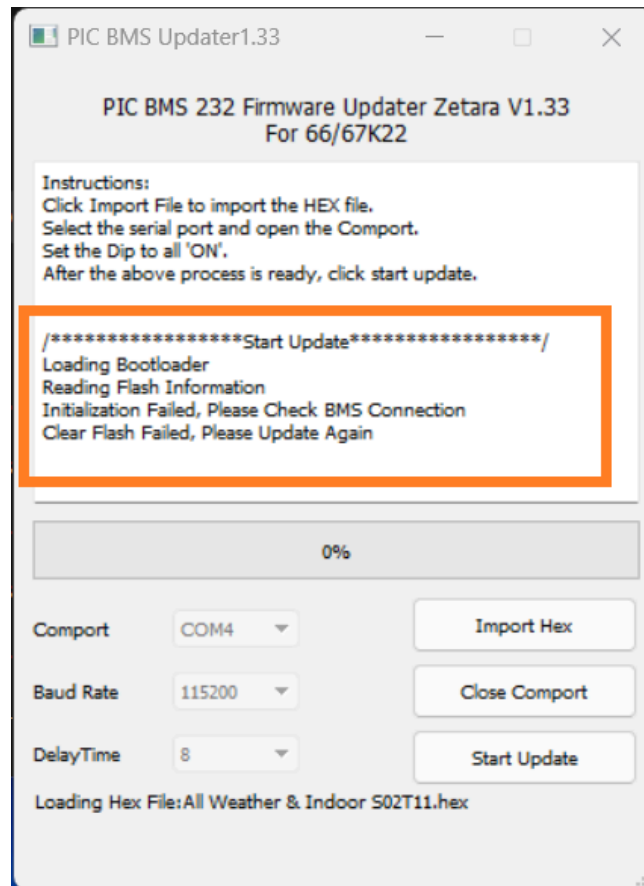


***To Confirm that the firmware update was successful. Refer to the RS232 Connection guide to view the Firmware version.***

## Troubleshooting Guide

***If you encountered this message stated below in the prompt***

“ Initialization Failed, Please check BMS Connection, Clear Flash Failed, Please Update Again”



1. Confirm the RS232 Cable is in either Battery-Com port. **NOT RS485/CAN**
2. You have selected the incorrect file when Importing the Hex file.
3. The battery is powered OFF.
4. The Comport on the application is not set correctly. Please check Device Manager for the correct COM for the RS232 Cable.