

# EG4<sup>®</sup> LIFEPOWER4 V2

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## RSD RS232 UPDATE GUIDE



### IMPORTANT:

- Read this guide thoroughly before updating the EG4<sup>®</sup> Lifepower4 V2. Failure to do so can result in a soft-bricked BMS.
- Do not disconnect the RS232 cable during the update or have the computer power off. This will lead to a soft-bricked BMS.
- Remove all CAT communication cables between the Battery-Comm ports 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 Lifepower4 V2 battery being updated 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.

Before starting the update, navigate to [www.eg4electronics.com](http://www.eg4electronics.com), select “Our Products”, and scroll to the Lifepower4 V2 battery to find the latest firmware, locate the “Firmware” section towards the bottom of the product page and select it. Select the firmware file and begin the download. Once the download is complete, extract the files to an easily accessible location. These files will be needed throughout the update.



The RS485 LCD Update will always use the RS485 RJ45 Port.

The RS232 BMS Update will always use the Battery-Comm RJ45 Port.

## UPDATE INSTRUCTIONS

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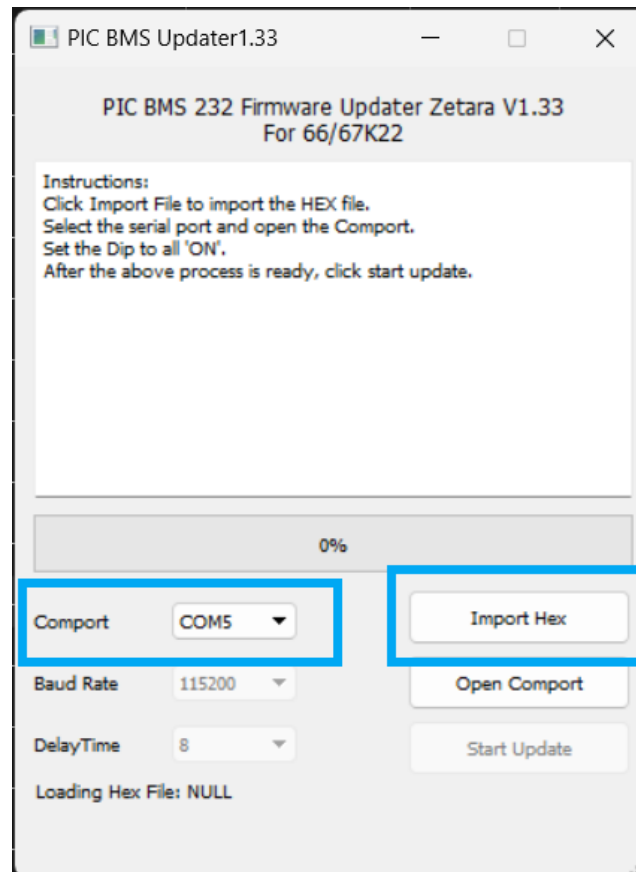
1. Using an RS232 to USB-A cable, connect the RJ45 (Pins 4-Rx, 5-Tx) to the Battery-Comm port on the Lifepower4 V2 to the USB-A port on a Windows computer.
2. Set the battery's DIP switch ID being updated to ID:0.
3. Power on only the BMS on the Lifepower4 V2 with the BMS switch (ON/OFF button).
4. Open the "Lifepower4 V2 RS232 Firmware" folder.

Name	Status	Date modified	Type	Size
EG4 Monitor portal Firmware Update	✓	2025-04-14 9:51 AM	File folder	
Lifepower4 V2 RS232 Firmware	✓	2025-04-14 10:17 AM	File folder	
Lifepower4 V2 RS485 Firmware	✓	2025-04-14 9:51 AM	File folder	
Lifepower4 V2 RS485 Updater	✓	2025-04-14 9:51 AM	File folder	
EG4 Monitor portal Firmware Update	✓	2024-10-31 11:01 AM	Compressed (zipp...	39 KB
Lifepower4 V2 Firmware Changelog	✓	2024-10-29 6:00 PM	Microsoft Edge PD...	40 KB
RS485 Update Guide 51.2V 100ah Lifepo...	✓	2024-09-25 3:54 PM	Microsoft Edge PD...	840 KB

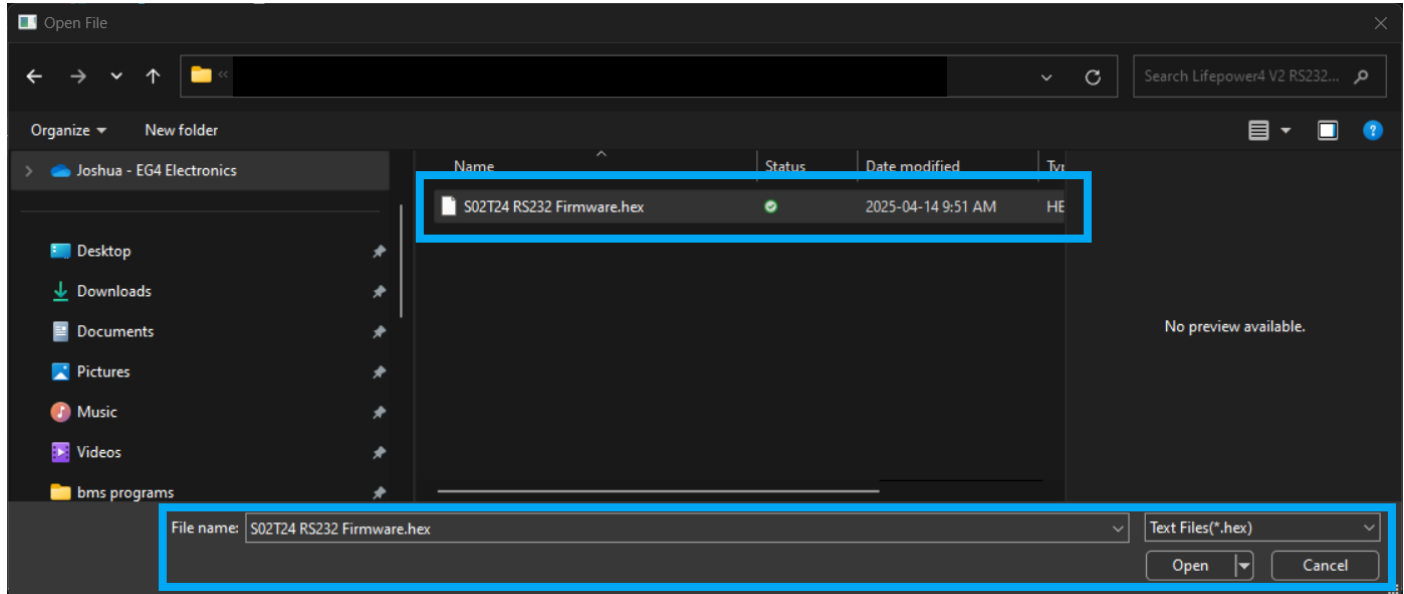
5. Open the “Lifepower4 V2 RS232 Updater.exe”

Name	Status	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	
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
Lifepower4 V2 RS232 Updater	✓	2023-12-14 3:49 AM	Application	20,899 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
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
qt_hu.qm	✓	2019-12-12 3:18 AM	QM File	176 KB

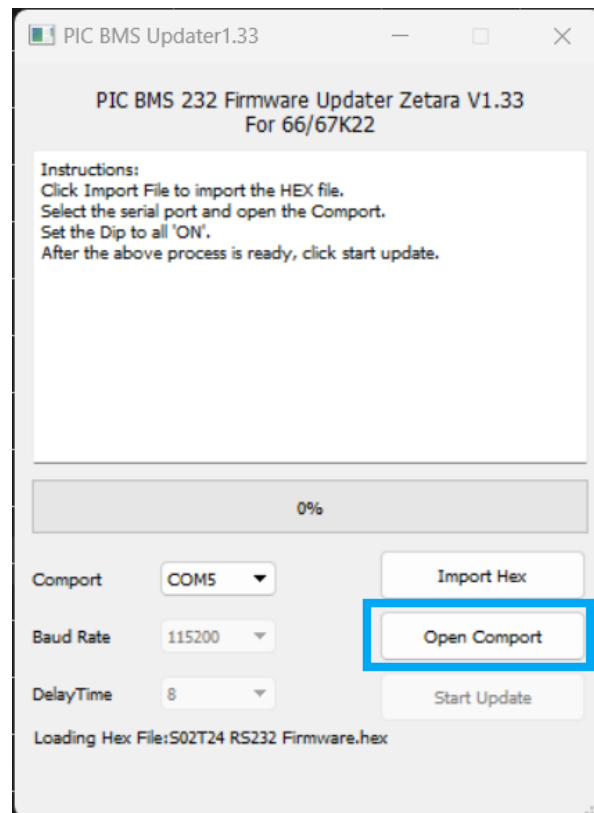
6. Confirm that the “Comport” is set correctly for the RS232 cable that Windows has assigned. Select “Import Hex”.



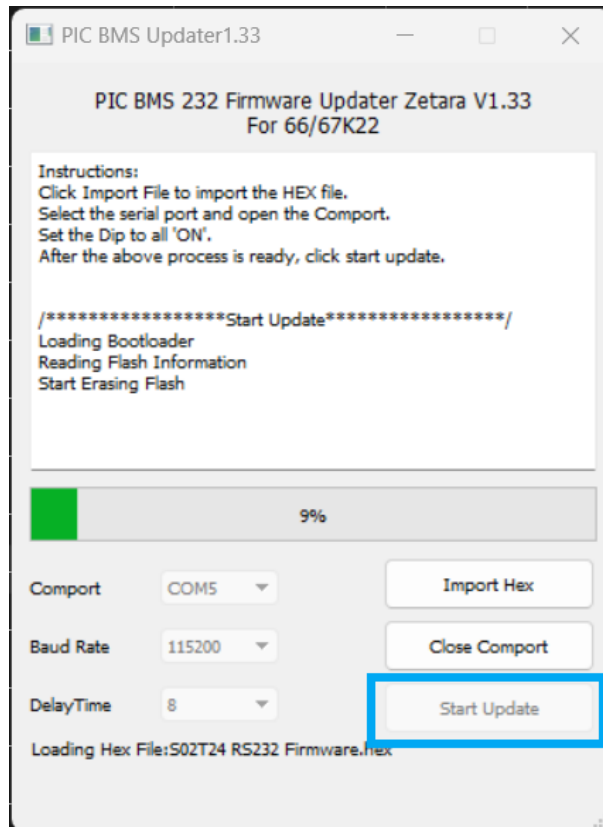
- File explorer will now open, navigate to the “Lifepower4 V2 RS232 Firmware” folder, choose the file “S02T24 RS232 Firmware.hex”. Click Open.



8. Once the file has been loaded into the updater, select "Open Comport".



9. Select "Start Update".



10. Once the update is complete, “update finish, exit BootLoader” will be displayed in the prompt. Select “Close Comport”. Next, exit the application.

