

# EG4<sup>®</sup> ALLWEATHER

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## RS232 UPDATE GUIDE



### IMPORTANT:

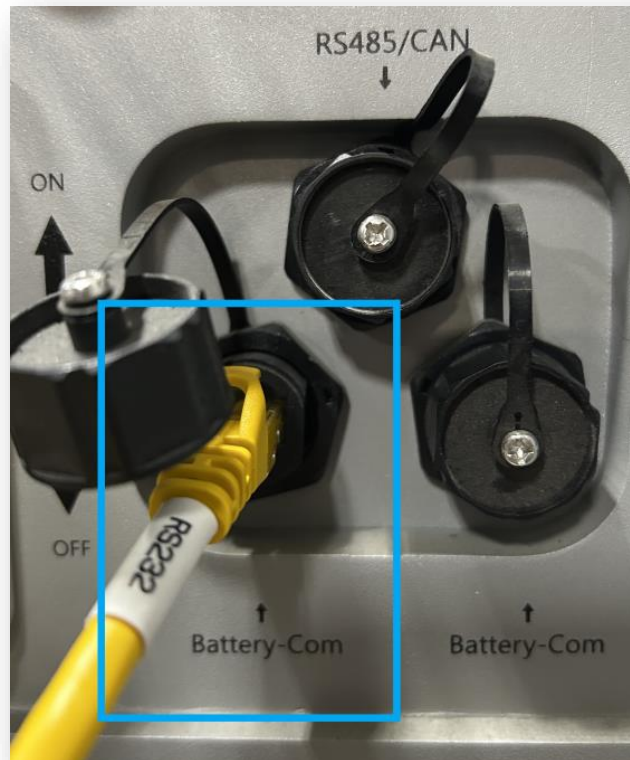
- Read this guide thoroughly before updating the EG4<sup>®</sup> WallMount battery. Failure to do so can result in a soft-bricked BMS.
- Do not disconnect the RS232 cable during the update or have the computer power off. This will lead to a soft-bricked BMS.
- Remove all CAT communication cables between 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 WallMount 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 WallMount All Weather 280Ah battery or go to [WallMount All Weather 280Ah Battery Product Page](#). 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.

## UPDATE INSTRUCTIONS

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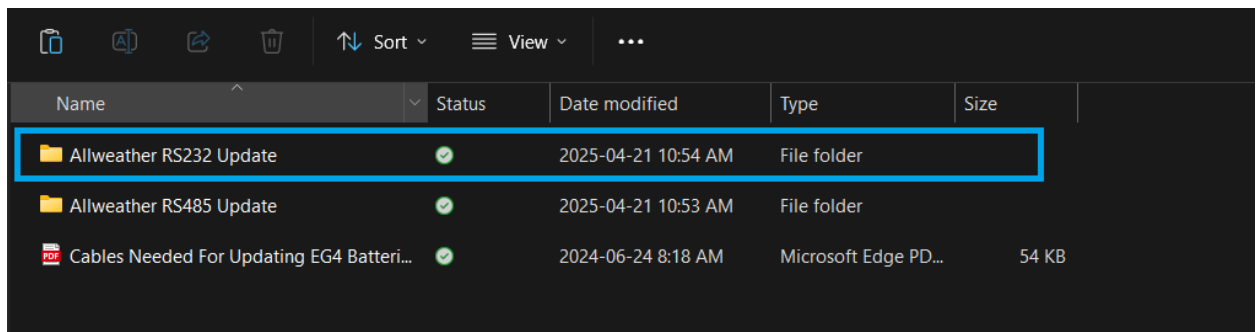
1. Using an RS232 to USB-A cable, connect the RJ45 (Pins 4-Rx, 5-Tx) to the Battery-Comm port on the WallMount to the USB-A port on a Windows computer.



2. Power ON only the BMS on the WallMount with the BMS switch (ON/OFF button)



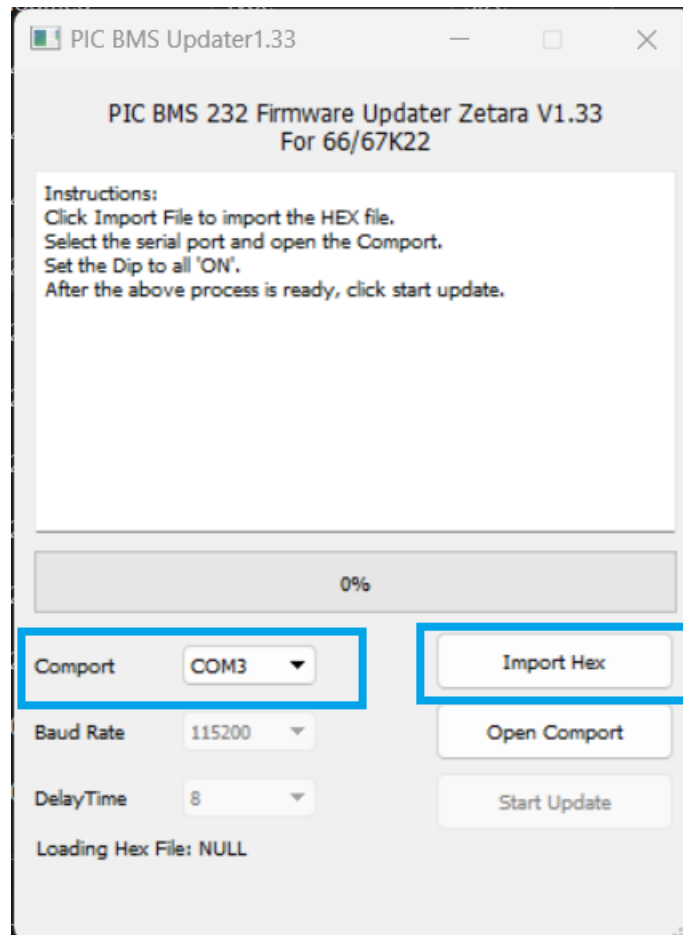
3. Open the “Allweather Firmware” folder, open the “AllWeather & Indoor RS232 Updater” folder.



4. Open the “AllWeather & Indoor RS232 Updater.exe”

Name	Type	Compressed size	Password ...	Size
iconengines	File folder			
imageformats	File folder			
platforms	File folder			
AllWeather & Indoor RS232 Updater	Application	19,761 KB	No	20,899 KB
icudt53.dll	Application extension	8,305 KB	No	21,061 KB
icuin53.dll	Application extension	1,226 KB	No	3,671 KB
icuuc53.dll	Application extension	764 KB	No	2,045 KB
libgcc_s_dw2-1.dll	Application extension	49 KB	No	118 KB

5. Confirm that the "Comport" is set correctly for the RS232 cable that Windows has assigned. Next click Import Hex



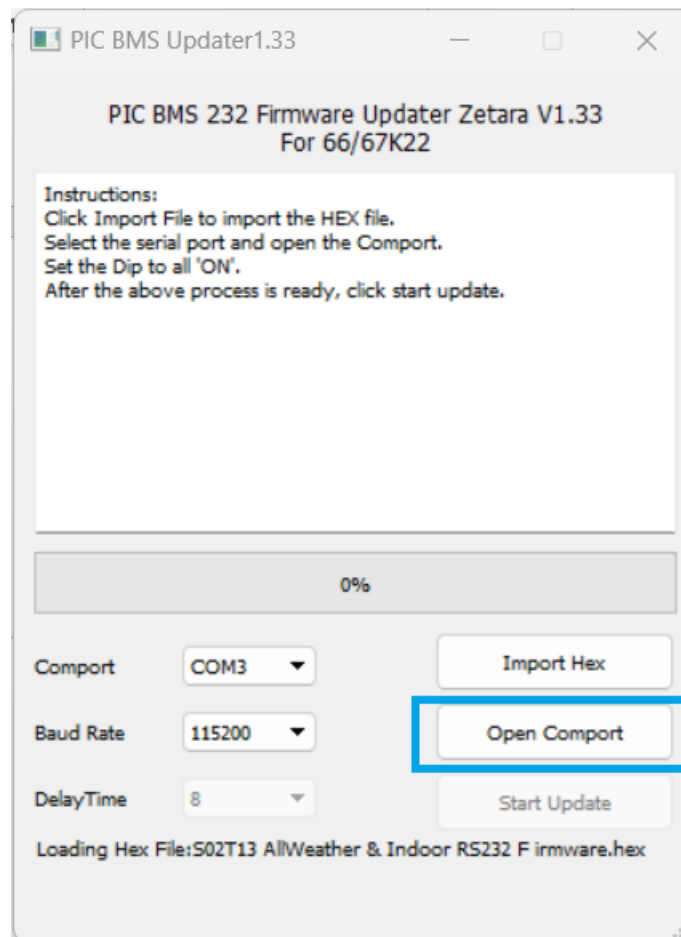
- File explorer will now open, navigate to the “Allweather RS232 Firmware” folder, open the next “Firmware” folder, and open the file named “S02T13 Allweather & Indoor RS232 Firmware”.

Name	Status	Date modified	Type	Size
AllWeather & Indoor RS232 Updater	✓	2025-04-21 10:37 AM	File folder	
Allweather RS232 Firmware	✓	2025-04-21 10:52 AM	File folder	

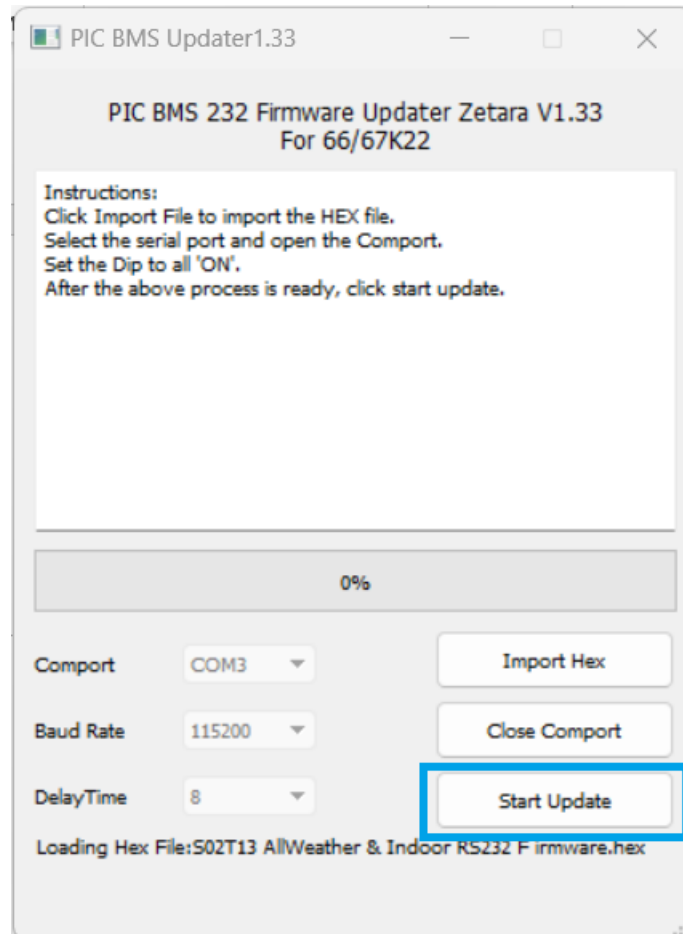
- open the file named “S02T13 Allweather & Indoor RS232 Firmware”.

Name	Status	Date modified	Type	Size
S02T13 AllWeather & Indoor RS232 Firm...	✓	2024-12-30 7:25 AM	HEX File	183 KB

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.

