

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.

🛃 Device Manager	—	×
File Action View Help		
~ 🗄 CRL0090		
> 🗸 Audio inputs and outputs		
Audio Processing Objects (APOs)		- 8
> 🗃 Batteries		- 8
> 🚯 Bluetooth		- 8
~ 👰 Cameras		- 8
🜀 Integrated Camera		- 8
> 💻 Computer		- 8
> 🕳 Disk drives		- 8
> 🔙 Display adapters		- 8
- 🎽 Firmware		- 8
Device Firmware		- 8
🔀 Lenovo System Firmware 1.15.0.0		- 8
> 🛺 Human Interface Devices		- 8
> 🚠 Imaging devices		- 8
> 🔤 Keyboards		- 8
Mice and other pointing devices		- 8
> 🛄 Monitors		- 8
Network adapters		
Ports (COM & LPT)		
💭 USB Serial Port (COM4)		
> 🛋 Print queues		
> 🚍 Printers		
Processors		
> 🛐 Security devices		
Software components		



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

	51.2V 280a	ah AllWea	ather Wall	N ×	+						
÷		\uparrow	С	🕝 St	art back	up	> 51.2V	280ah AllWe	ather WallMount	& Indoor S02T	11 >
+	New ~			Ō				↑↓ Sort ~	≡ View ~		
1	N	ame					Date modi	ified	Туре	Size	
Į		AllWeath	er & Indo	or RS232 (Updater		2024-06-0	3 11:02 AM	File folder		
> <		RS232 Up	date S021	Г11			2024-06-0	3 10:57 AM	File folder		
1											
2											

5. Open the AllWeather & Indoor RS232 Updater folder

Name	Date modified	Туре	Size
AllWeather & Indoor RS232 Updater	2024-06-03 10:47 AM	File folder	
RS232 Update S02T11	2024-06-03 7:27 AM	File folder	



Name	Date modified	Туре	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
t_ca.qm	2019-12-12 3:18 AM	QM File	153 KB
t_cs.qm	2019-12-12 3:18 AM	QM File	167 KB
t qt_de.qm	2019-12-12 3:18 AM	QM File	189 KB
ti.qm	2019-12-12 3:18 AM	QM File	177 KB

6. Open the AllWeather & Indoor RS232 Updater application folder



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





🔲 Open File					×
$\leftrightarrow \rightarrow \sim$	1 Desktop > AllWeather WallMoun	t S02T11 ~ C			م
Organize 🔻	New folder			≣▼	
🔉 🌰 Onel	Name	Date modified	Туре	Size	
	AllWeather & Indoor RS232 Updater	2024-06-03 10:47 AM	File folder		
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<u>↓</u> D 🖈					
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	File name:		✓ Text Files(*.HOpen	lex)	ancel .:

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.

📃 Open File				×
$\leftrightarrow \rightarrow \checkmark$	↑ 🦳 <>> AllWeather Wall > RS232 Upda	te S02T11 ~ (Search RS232	م Update S02T11
Organize 🔻	New folder			= - 🗆 😗
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I PIC BMS	Updater1	.33		_		\times		
PIC BMS 232 Firmware Updater Zetara V1.33 For 66/67K22								
Instructions: Click Import File to import the HEX file. Select the serial port and open the Comport. Set the Dip to all 'ON'. After the above process is ready, click start update.								
		0%	6					
Comport	COM4	•		I	mport Hex			
						_		
Baud Rate	115200	-		Op	en Comport	:		
Baud Rate DelayTime	115200 8	v v		Op S	en Comport	:		

10. Next Click Open Comport.



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

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PIC B	PIC BMS 232 Firmware Updater Zetara V1.33 For 66/67K22								
Instructions: Click Import File to import the HEX file. Select the serial port and open the Comport. Set the Dip to all 'ON'. After the above process is ready, click start update.									
			0%						
Comport	COM4	×			In	nport Hex			
Baud Rate	115200	٣			Clos	se Compo	rt		
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12. When finished in the prompt " Update Finish, Exit Bootloader" will appear. Now click Close Comport. Then exit the program.

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PIC BMS 232 Firmware Updater Zetara V1.33 For 66/67K22								
Instructions: Click Import File to import the HEX file. Select the serial port and open the Comport. Set the Dip to all 'ON'. After the above process is ready, click start update.								
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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 messaged 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.

