



48V Lithium System Setup – Lithionics/Victron

Bulletin Type:	SRP	Publication Date:	May 2024
Bulletin #(s):	24-009	Make(s):	Jayco, Entegra Coach
Job Code(s):	<i>If affected unit has warranty remaining, submit your claim following the normal process</i>	Model(s):	Terrain (19Y) Solstice LI (21BL) Swift LI (20AL, 20DL, 20TL) Launch (19Y) ExpansE LI (21BL) Ethos LI (20AL, 20DL, 20TL)
Flat Rate(s):			Model Year(s):

Incident:	Lithionics & Victron system set-up recommendations
Affected Units:	2024-2025 Jayco Swift Li, Terrain and Solstice Li; 2024-2025 Entegra Coach Ethos Li, Launch, ExpansE Li built with a Lithionics Battery and Victron System.
Parts List:	N/A
Misc. Tools & Supplies:	N/A

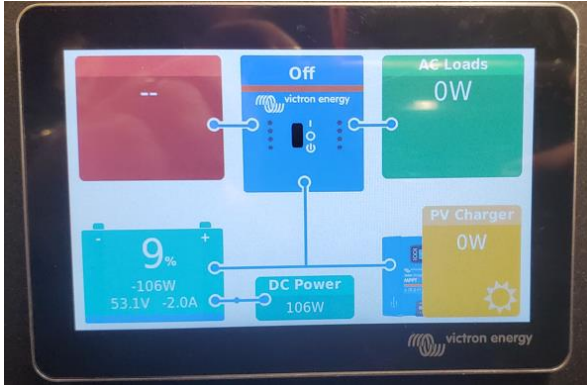
48V LITHIUM SYSTEM SETUP INSTRUCTION

Overview – System Settings via GX Touchscreen – See GX Touchscreen System Setup Instructions below:

1. VE.Bus Inverter/Charger Setup
 - A. CAN-bus profile = RV-C (250 kbit/s)
2. Lithionics Battery
 - B. Firmware = v9.0.04
 - C. Charge Voltage Limit (CVL) = 57.60V
 - D. Charge Current Limit (CCL) = 165.0A
3. DVCC (Distributed Voltage & Current Control) Setup
 - A. Verify DVCC = ON
 - B. SVS – Shared Voltage Sense = ON
 - C. STS – Shared Temperature Sense = ON
 - D. Temperature Sensor = Lithionics Battery v9.0.04 on RV-C
 - E. SCS – Shared Current Sense = ON
4. Inverter Firmware
 - A. MK2 device = MK3
5. Display & Language
 - A. Temperature = °F
 - B. Show boat & motorhome overview = ON
6. System Setup
 - A. Has DC System = ON

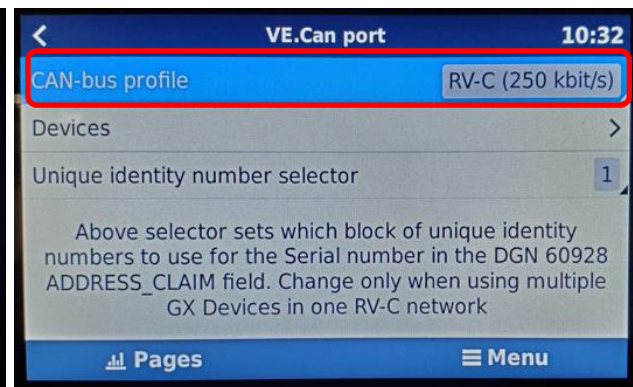
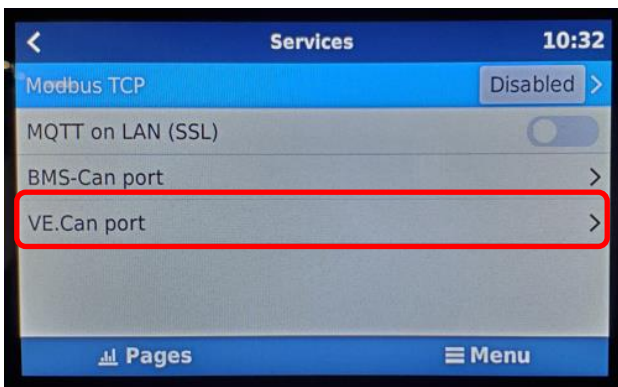
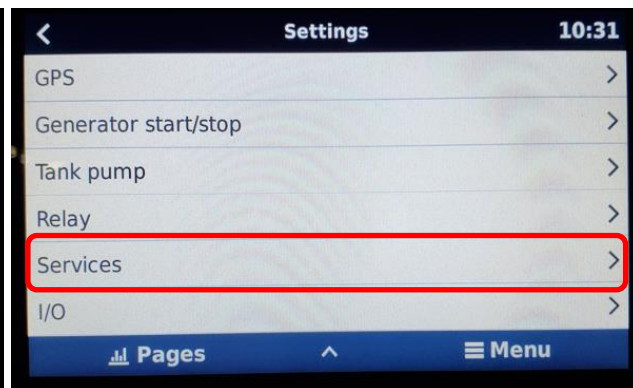
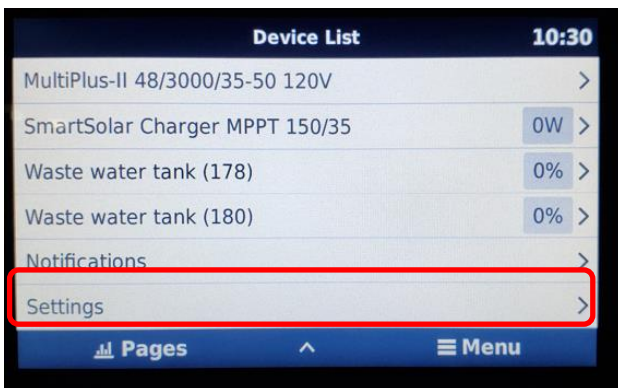
GX Touchscreen System Setup Instructions:

On the remote console touchscreen:



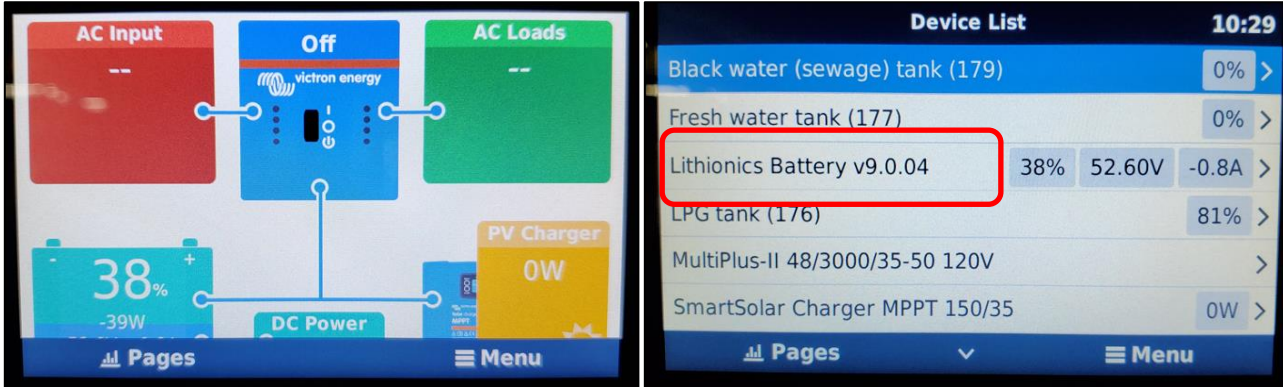
1. VE.Bus Inverter/Charger Setup

- A. Select the Menu at the main screen.
- B. In Device List, scroll down to Settings and select.
- C. In Settings, scroll down to Services and select.
- D. In Services, scroll down to VE.CAN port and select.
- E. Verify CAN-bus profile = RV-C (250 kbit/s)
- F. When complete, use the arrow in the upper left to go back to the Settings page.



2. Lithionics Battery

A. At the Device List page, verify BMS Firmware for Lithionics Battery = v9.0.04

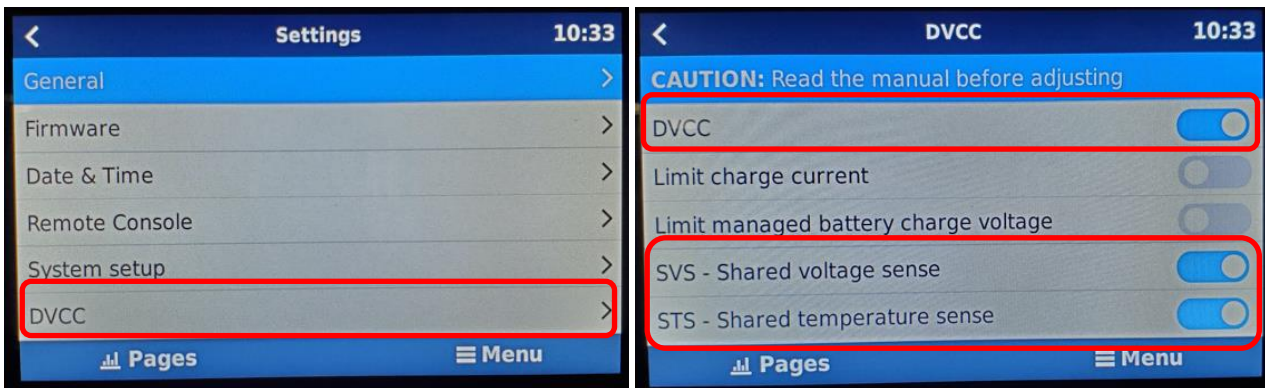


- B. Scroll down to Lithionics Battery v9.0.04 and select.
- C. In Lithionics Battery, scroll down to Parameters and select.
- D. Verify Charge Voltage Limit (CVL) = 57.60V
- E. Verify Charge Current Limit (CCL) = 165.0A
- F. When complete, use the arrow in the upper left to go back to the Settings page.

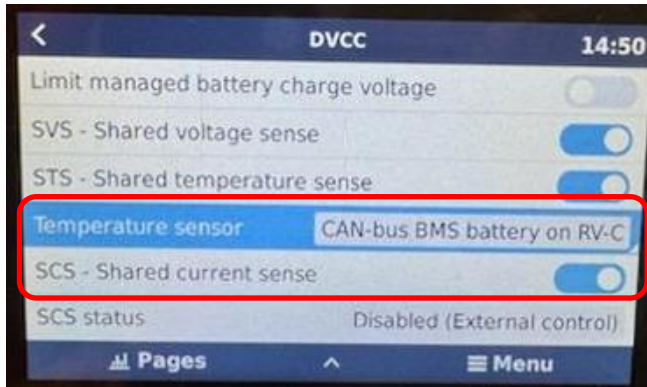


3. DVCC (Distributed Voltage & Current Control) Setup

- A. In Settings, scroll down to DVCC and select.
- B. Verify DVCC = ON
- C. Verify SVS – Shared Voltage Sense = ON
- D. Verify STS – Shared Temperature Sense = ON

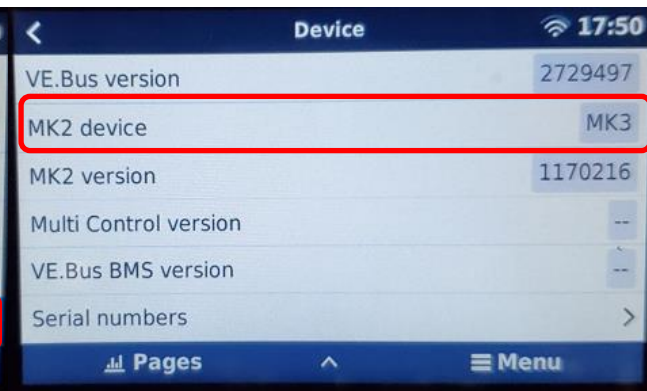
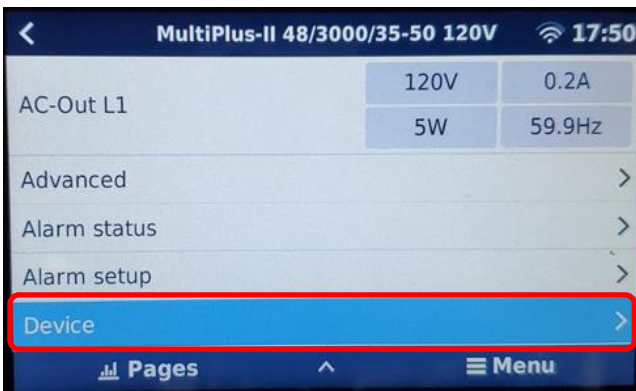


- E. Scroll down to continue verification:
- G. Verify Temperature Sensor = Lithionics Battery v9.0.04 on RV-C or CAN-bus BMS battery on RV-C
- H. Verify SCS – Shared Current Sense = ON
- F. When complete, use the arrow in the upper left to go back to the Device List page.

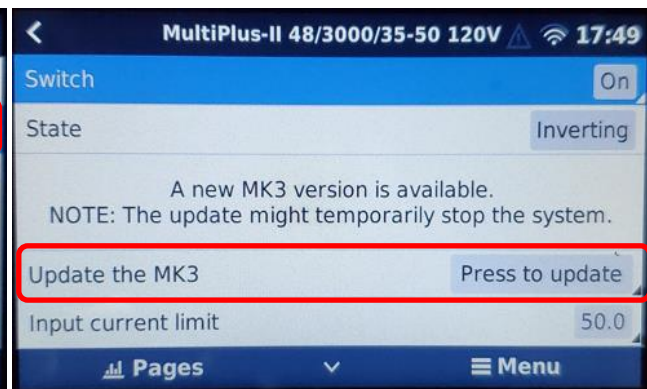
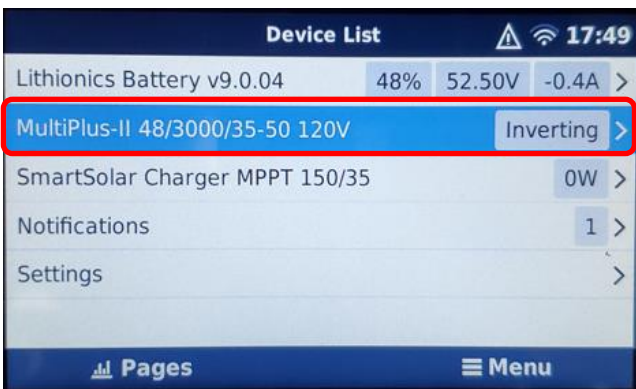


4. Inverter Firmware

- A. On the Device List, scroll down to Multiplex-II 48/3000/35-50 120V icon and select.
- B. Scroll down to MK2 device.
- C. Verify MK2 device = MK3

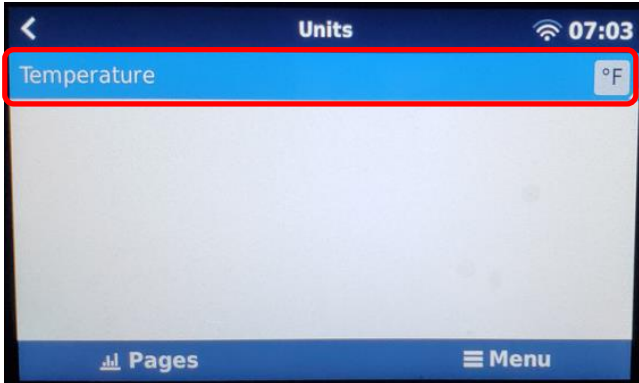
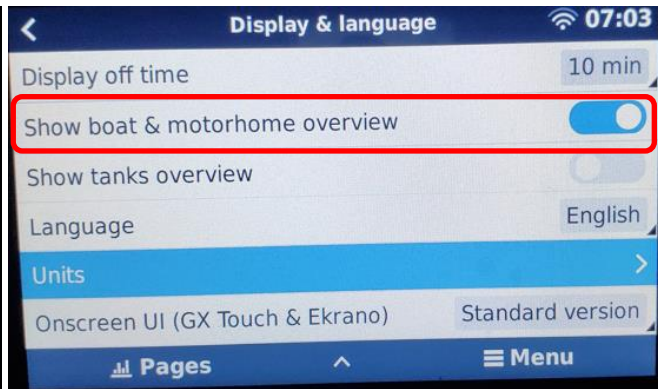
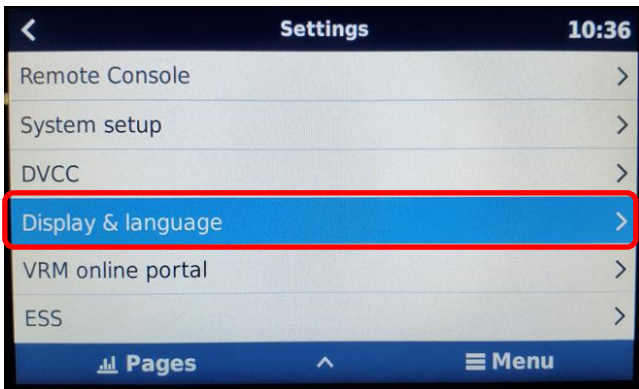


- D. If an update for the MK3 version appears, connect to Wi-Fi and select the Press to Update icon twice.



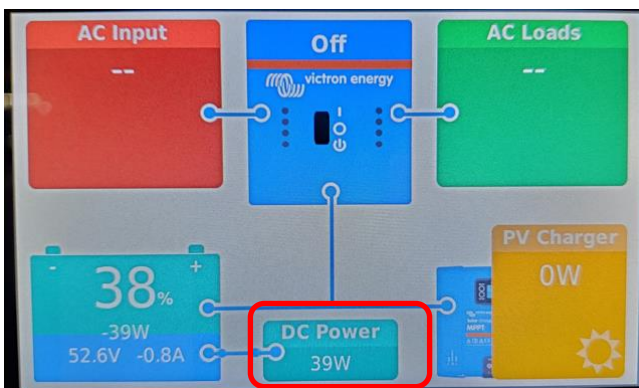
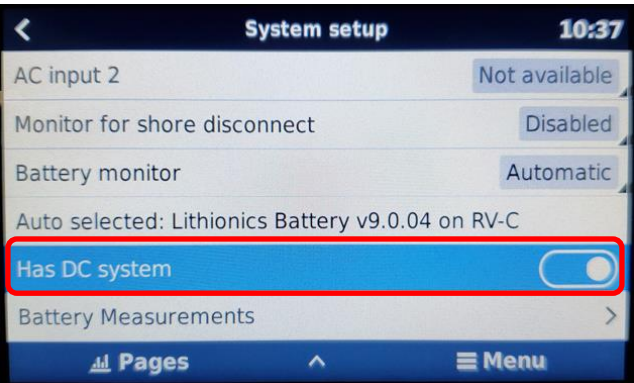
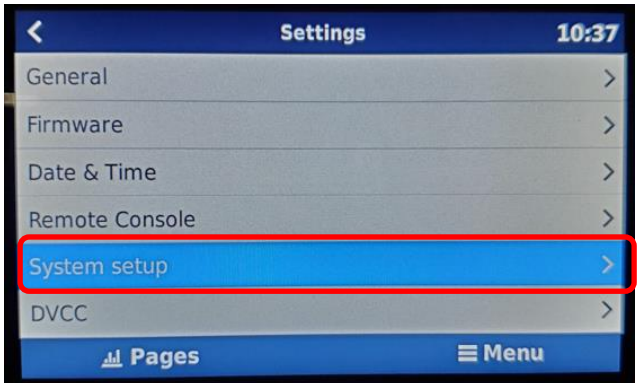
5. Display & Language

- A. In Settings, scroll down to Display & Language and select.
- B. Scroll to Show boat & motorhome overview and select to enable.
- C. Verify Show boat & motorhome overview = ON
- D. Scroll down to Units and select.
- E. Verify/change Temperature = °F
- F. When complete, select Pages to return to main screen.
- G. Verify AC Current Limit appears on the lower left corner of the main screen
- H. Verify AC Mode appears on lower middle of main screen



6. System Setup

- Tap on the main screen to show Menu in the lower corner.
- Scroll down to Settings and select.
- In Settings, scroll down to System Setup and select.
- Change/Verify Has DC System = ON
- When complete, select Pages to return to main screen.

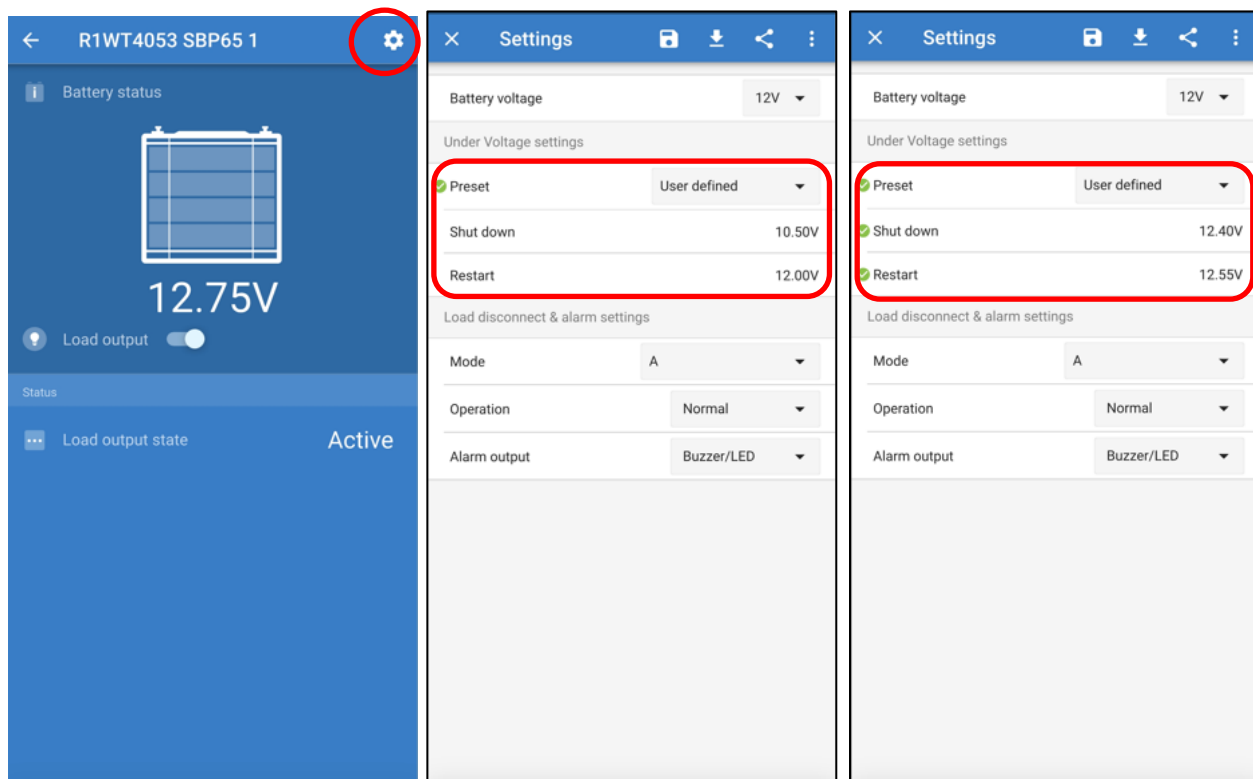


Overview - Smart Battery Protect Settings – See Programming via VictronConnect App below:

1. Victron 65A Smart Battery Protect
 - A. Restart Voltage = 12.55V
 - B. Shutdown Voltage = 12.40V

Programming via VictronConnect App:

1. Open the Victron Connect App with the general password 000000. When entering the App, a firmware update may be needed and completed.
2. Select the Smart BatteryProtect from the Device list and tap on it. This will open the status screen, showing battery and load output state.
3. Tap on the cog wheel in the top right corner.
4. Voltage Settings
 - A. Tap on User defined to define a custom combination.
 - B. Tap on Restart to set the restart voltage = 12.55V
 - C. Tap on Shut down to set the shutdown voltage = 12.40V



Jayco's sole obligation under our limited warranty is to repair or replace defective materials and/or workmanship deemed our responsibility as determined by Jayco in our sole discretion. Jayco reserves the right to use new and/or remanufactured parts or materials of similar quality to complete any work, and to make parts and/or design changes as appropriate without notice to anyone. Jayco designs and/or materials changes are done without obligation to incorporate such changes in previously manufactured product. Jayco makes every reasonable effort to ensure field remedies will not adversely affect performance and/or safety of the unit. This field remedy is not intended to extend to future performance of this RV, or any of its materials, components or parts beyond the standard warranty period. The RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law. .

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