

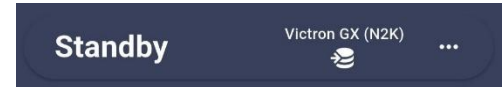


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Victron GX Integration Guide v2.0

A GX device (Ekrano or Cerbo) is required for the regulator to operate in a Victron system. Using a Cat5/6 ethernet cable, connect the regulator to the GX device's VE.Can port. The regulator supports two Victron follower modes:

Standard: Denoted by the sync mode icon and "Victron GX (N2K)" label. In this mode, the regulator receives battery shunt data via the GX, removing the need to install a battery shunt for the regulator to monitor. The charge profile set in the ARCO App is used for charging the system.

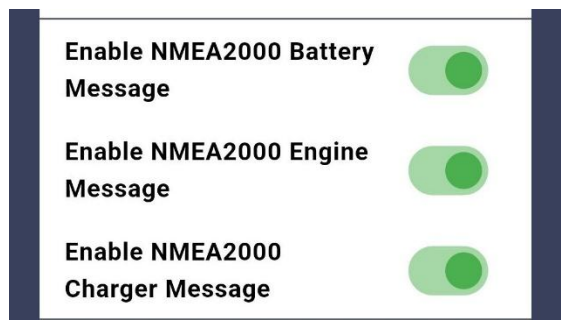


DVCC: Denoted by the sync mode icon and "DVCC" label. In this mode, the regulator receives both shunt data and charge commands from the GX. A battery shunt is not required, however an Alternator shunt on the positive cable is. Enabling and Disabling of DVCC support is done collectively when the Alternator Shunt functionality is toggled in the ARCO App. The max current that the GX can request from the regulator/alternator is set via the "Alt Max Output Current (A)" field under the Regulator section in Settings. Set this value to the max output that you want your alternator to be able to contribute.



Zeus Configuration

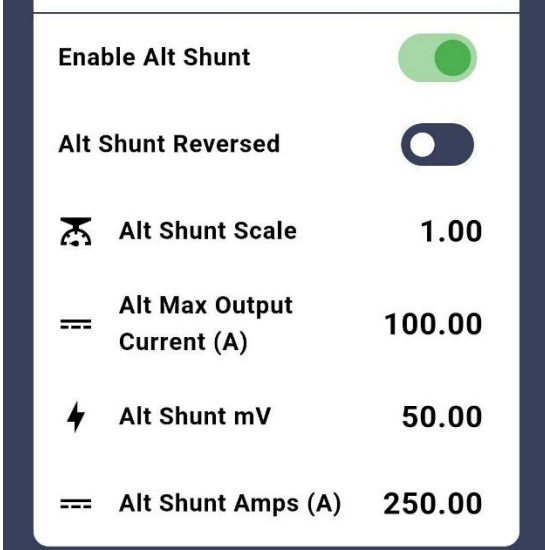
1. In the ARCO App, connect to your regulator and navigate to the Settings.
2. Set the Sync Mode to "Victron GX (N2K)".
3. Enable the NMEA2000 messages for your alternator data to be displayed on the GX.





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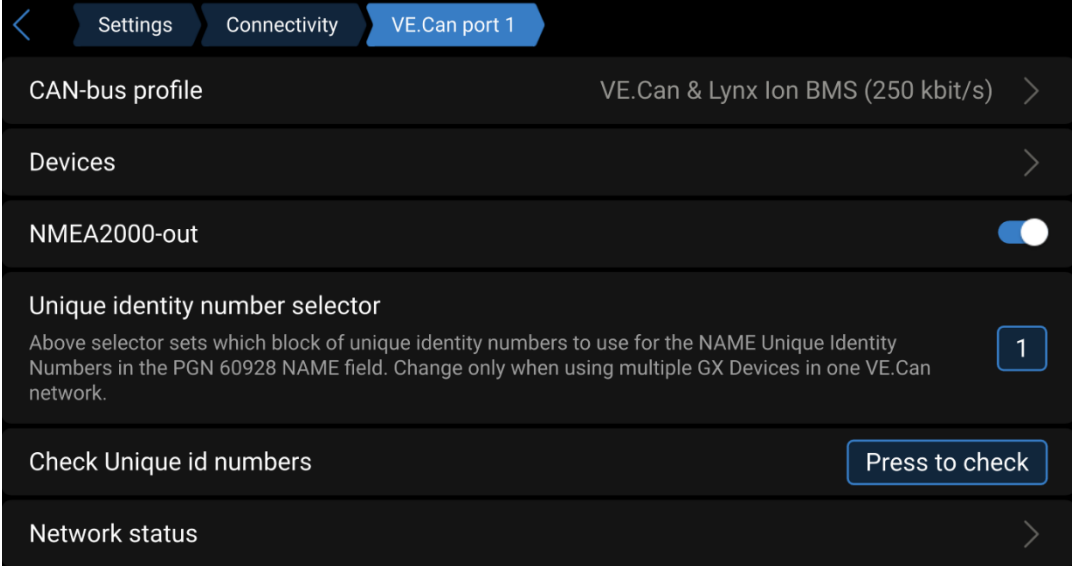
4. For DVCC, or to simply have the alternator data shown on the GX if you are not utilizing DVCC, enable the Alternator Shunt. Be sure to set the “Alt Max Output Current (A)” to the maximum that you want your alternator to contribute. This value can be less than what your alternator is rated for, but not greater. *An Alternator shunt on the positive output line is required*



Enable Alt Shunt	<input checked="" type="checkbox"/>
Alt Shunt Reversed	<input type="checkbox"/>
Alt Shunt Scale	1.00
Alt Max Output Current (A)	100.00
Alt Shunt mV	50.00
Alt Shunt Amps (A)	250.00

GX Device Configuration

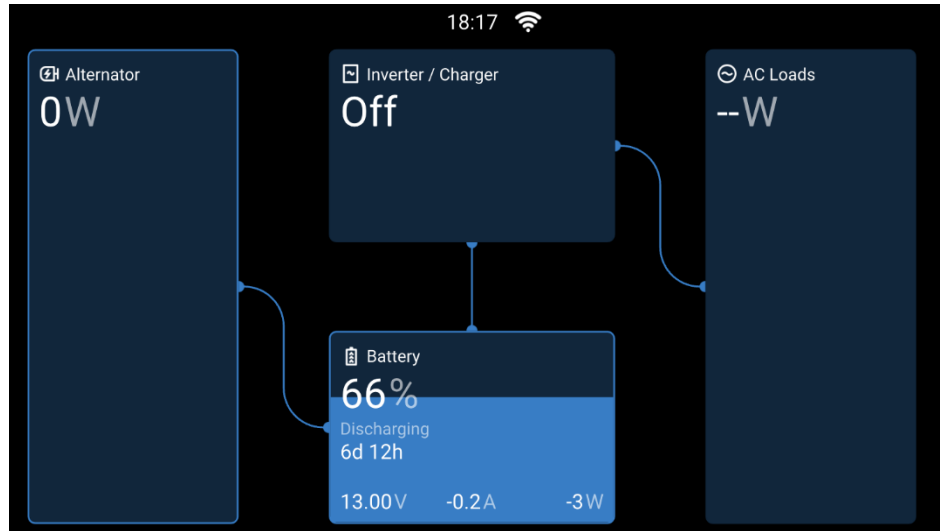
1. Navigate to the VE.Can port that the regulator is connected to.
2. Set the CAN-bus profile to “VE.CAN & Lynx Ion BMS (250 kbit/s)”.
3. Enable the NMEA2000-out messages.



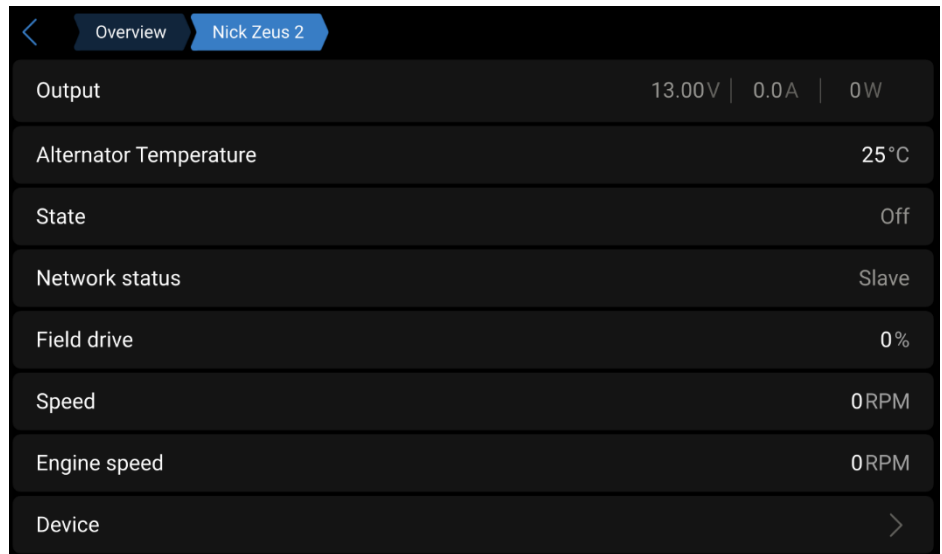
Settings > Connectivity > VE.Can port 1

- CAN-bus profile: VE.Can & Lynx Ion BMS (250 kbit/s)
- Devices
- NMEA2000-out:
- Unique identity number selector: 1
Above selector sets which block of unique identity numbers to use for the NAME Unique Identity Numbers in the PGN 60928 NAME field. Change only when using multiple GX Devices in one VE.Can network.
- Check Unique id numbers: [Press to check](#)
- Network status

4. Once configured, the alternator tile will be present on the overview display.



5. Select the Alternator tile to view the device specific data.



6. The setup is complete.