

CCGX Remote VEConfigure and firmware updates

This manual describes:

- Remotely changing settings in VE.Bus Inverters, Multis and Quattros, called “Remote VEConfig”, using a Color Control GX as the local internet-connected gateway in the installation.
- Remotely updating firmware of VE.Can products.

Notes:

- Remotely updating firmware of products with a VE.Direct interface will be added in the future.
- Remotely updating firmware in VE.Bus products (Inverters, Multis and Quattros) is not possible and will also not become possible.
- Since VE Power Setup 5.0, combined with Color Control GX version v1.28 or later, the products configuration is preserved during a firmware update. More information in our [blogpost about those software releases](#).

Looking for Remote VEConfigure with a “Victron Global Remote 2 (VGR2)”? See. [here](#)

Requirements

- Make sure the CCGX runs the latest available firmware, and that Two way communication is enabled:

Gateway	
Product	Color Control G2
Firmware version	v1.22
Last power up or restart	less than a minute
Last connection	less than a minute
Two way communication	Enabled
Logging interval	1 minute
Device instance	0

- To enable VRM two-way communication on the CCGX go to Settings→Services:

Services	
Modbus/TCP	OFF
Oceanvolt Motor Drive	OFF
Valence Battery	OFF
VRM two-way communication	ON

- Have Full Control access to the installation being configured. On the VRM Portal, navigate to the

site, then to the Settings tab, and click Users. Your login needs to highlight in green and show Full Control.

- CCGX must be connected to internet
- Use the latest version of the [VE Configuration Tools for VE.Bus products](#).
- Use the latest version of [VE Power Setup](#)

Remote VEConfigure only:

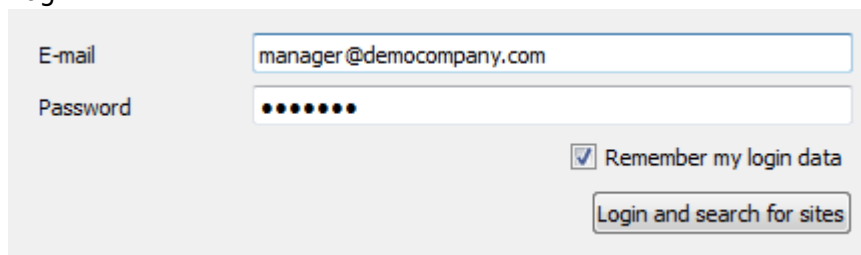
- If the VE.Bus device is connected to the CCGX via a VE.Bus to VE.Can interface, as often done in a Hub-1 system, this interface cable needs to run firmware version v2.05 or higher. Note that it is possible to first update firmware in the interface cable, and then remotely configure the VE.Bus system.

Remote VEConfigure

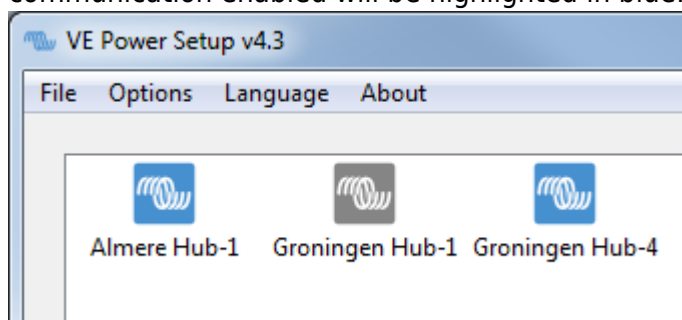
- Remote VEConfigure works for both single unit systems as parallel and three phase systems.
- Remotely changing Assistant configuration is possible.

Remote VEConfigure walk-through

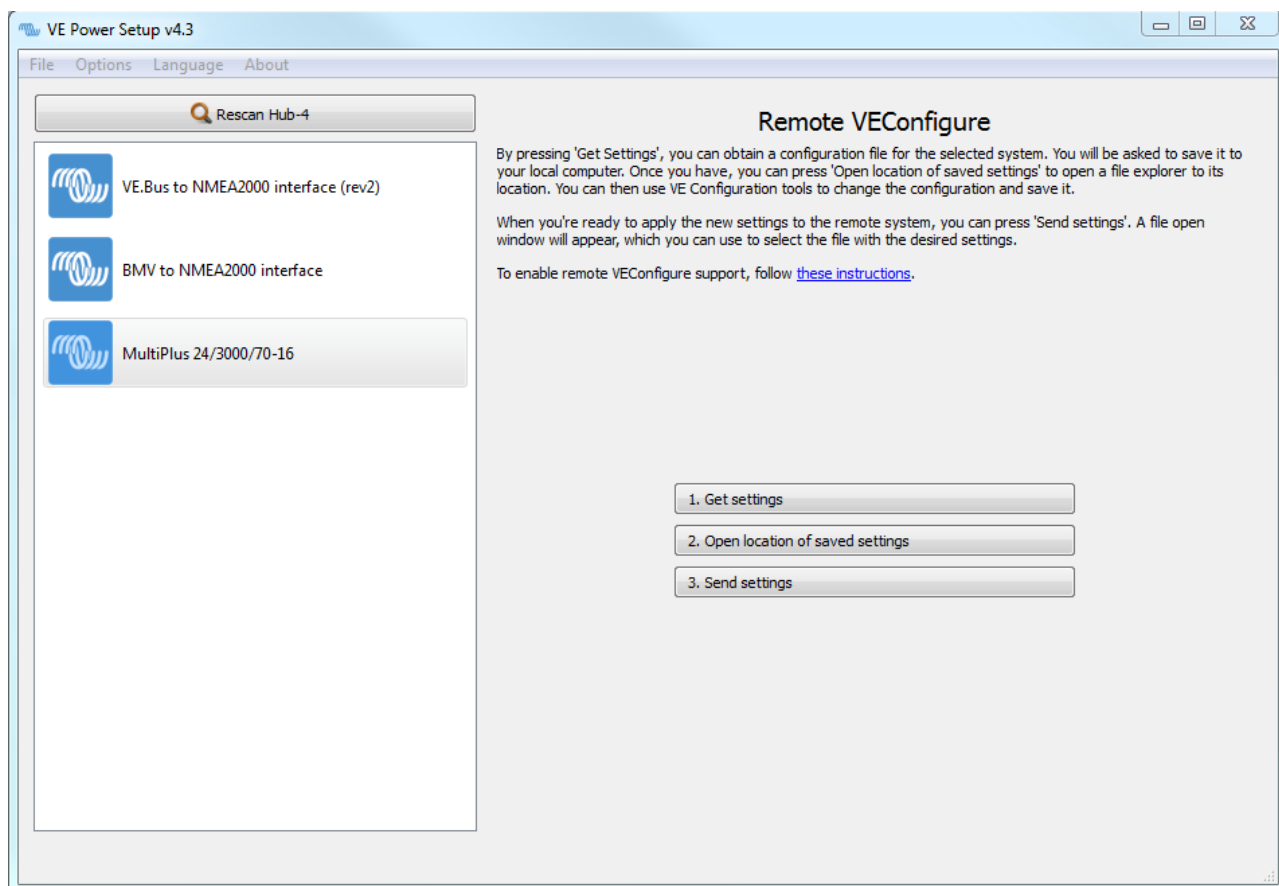
1. Start VE Power Setup
2. Choose "Connected to a Color Control on VRM"
3. Login:

A screenshot of the VE Power Setup login interface. It features two input fields: 'E-mail' with the text 'manager@democompany.com' and 'Password' with masked characters. Below the password field is a checkbox labeled 'Remember my login data' which is checked. At the bottom right is a button labeled 'Login and search for sites'.

4. Choose the required site. Sites on which you have Admin-rights and that have two-way-communication enabled will be highlighted in blue:

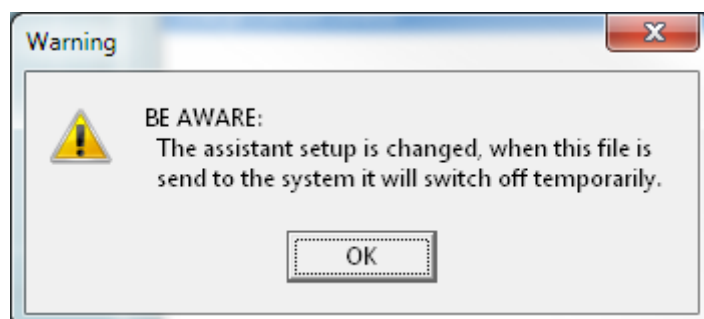


5. After selecting the site, VE Power Setup will establish communication to the selected site. Once established, it will perform a remote scan, to find all products connected to the Color Control. Now select the product you want to configure:

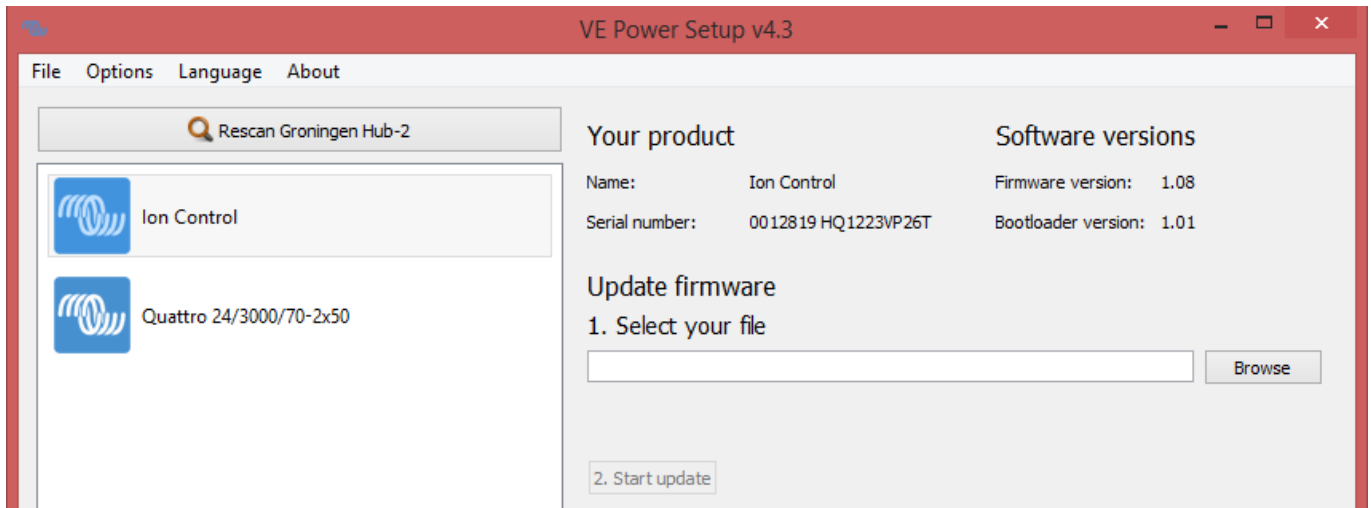


6. Choose "Get settings".
7. Save the settings file with an appropriate name.
8. Choose "Open location of saved settings".
9. Double click on the settings file. Depending on the system configuration "VE.Bus System Configurator" or "VEConfig" will open.
10. Make the required changes.
11. Close the configuration tool. The settings file will automatically be saved.
12. Go back to VE Power Setup, and choose "Send Settings".
13. Select the modified setting file and wait until done.

Note: changing certain settings, such as Assistants, will cause the inverter/charger to momentarily switch off and back on again. When such settings are changed, VEConfig will warn you when saving the settings:



Remote Firmware update



Performing a remote firmware update is possible for the following products:

- both Skylla-i models
- MPPT 150/70 and 150/85 solar chargers
- Lynx Shunt VE.Can
- Ion Control
- VE.Bus to VE.Can interface

Configuration of the product will be preserved during the firmware update.

The procedure is very straight forward. First select a CCGX, same as in above Remote VEConfigure instructions. Then select the product that you want to update. The current firmware version will be shown, see image above.

Select the firmware file on your computer, and press the Update button. Firmware files are available via your Victron representative.

A question often asked is if it will also be possible to remotely update firmware in a VE.Bus device: Multis, Quattros and Inverters. The answer is no, that will, unfortunately, not be possible.

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