

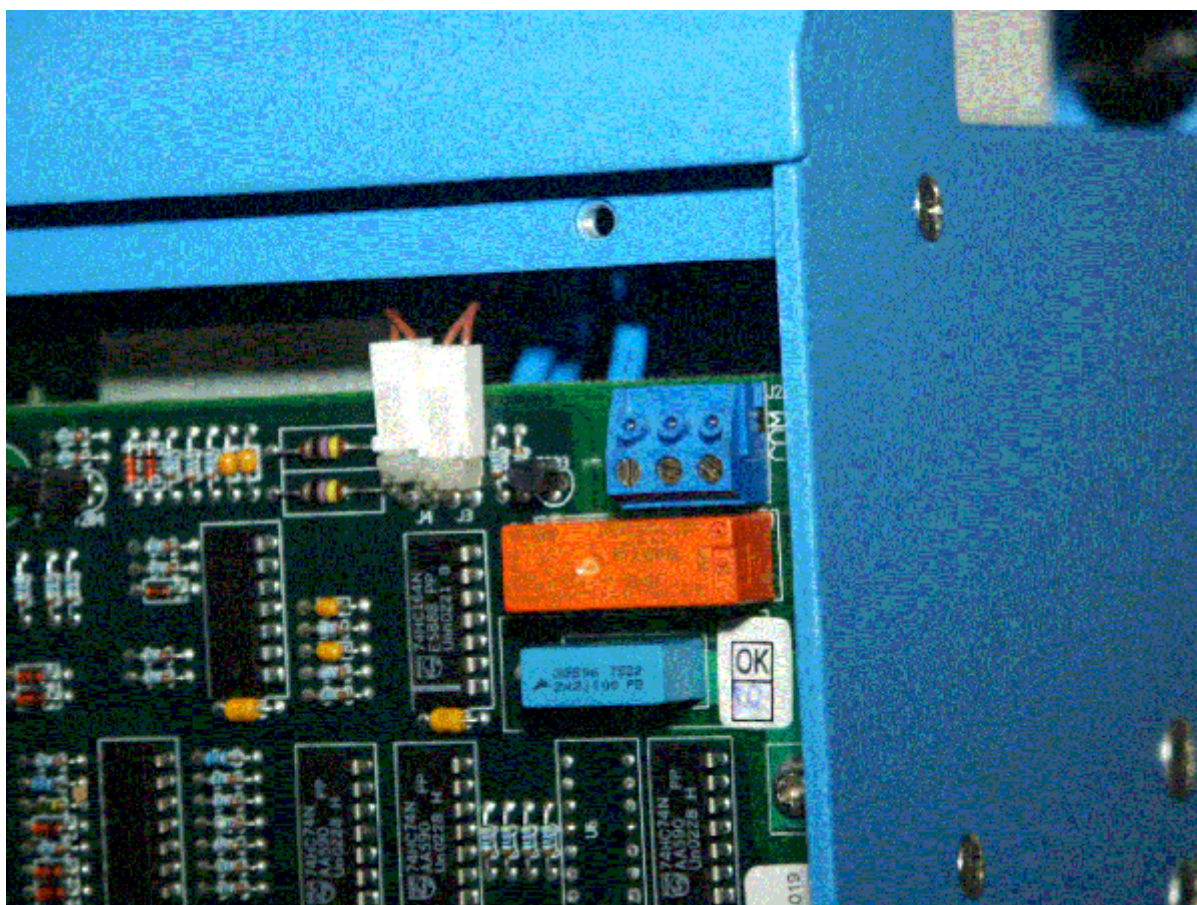
Virtual switch Generator start/stop

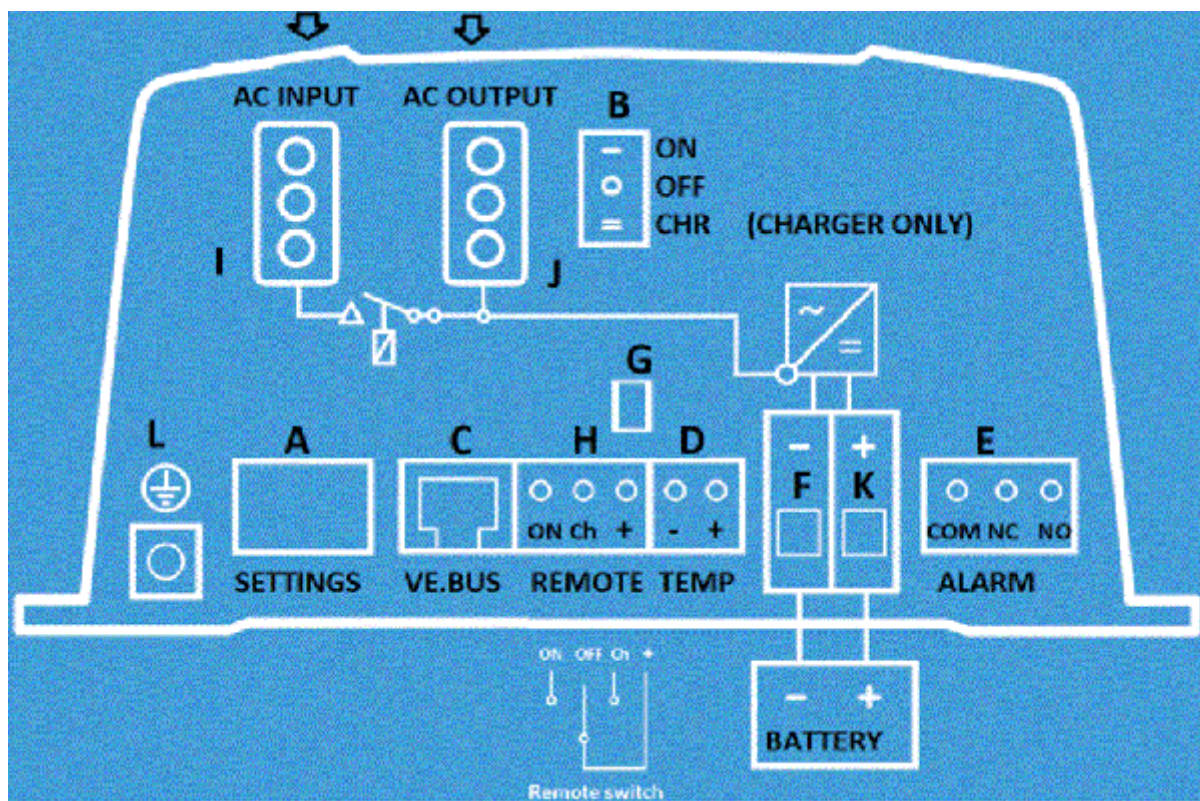
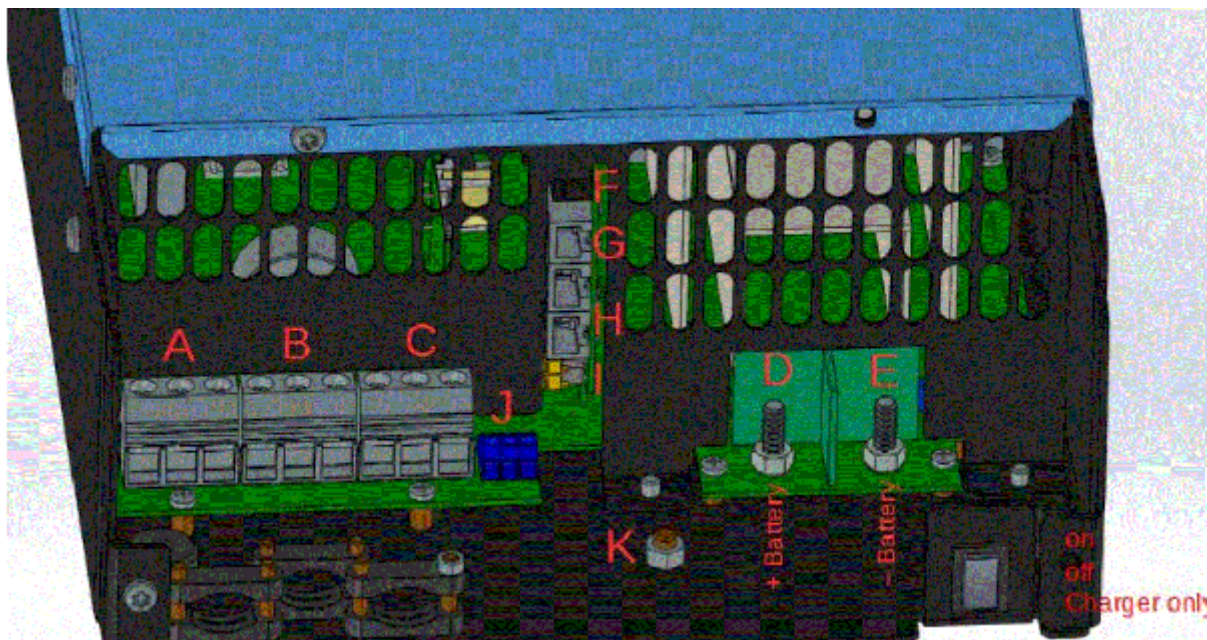
(draft)

This document explains one of the ways to automatically start and stop a generator. See [here](#) for the other options.

More generator information about using a generator in combination with Victron is available [here](#).

1. Wiring

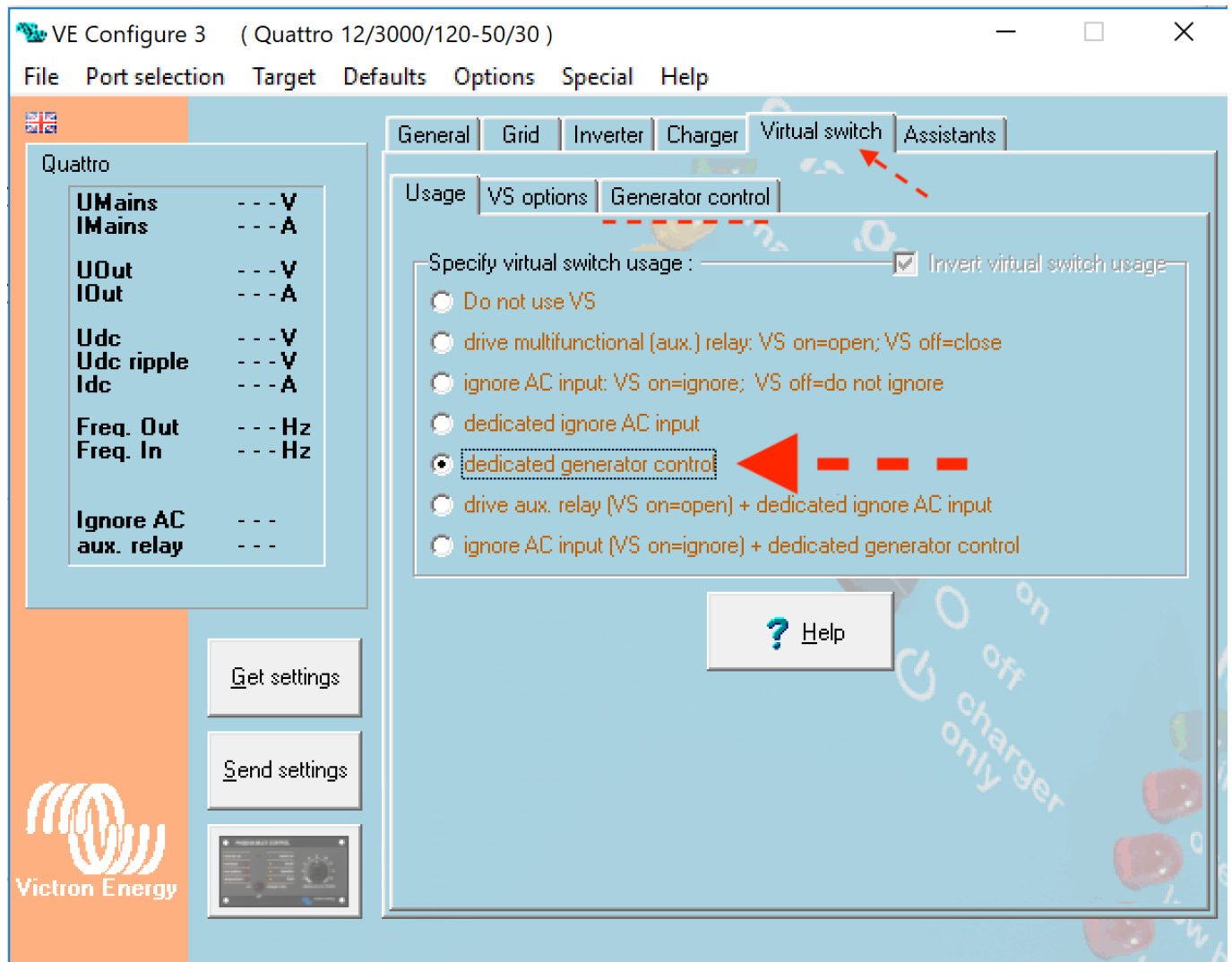




2. Configuration

2.1 enable the feature

Open VEConfigure, navigate to the Virtual Switch, and there select 'Dedicated Generator start/stop'.



2.2 configure the feature

VE Configure 3 (Quattro 12/3000/120-50/30)

File Port selection Target Defaults Options Special Help

Quattro

UMains	---	V
IMains	---	A
UOut	---	V
IOut	---	A
Udc	---	V
Udc ripple	---	V
Idc	---	A
Freq. Out	---	Hz
Freq. In	---	Hz
Ignore AC aux. relay	---	

Get settings

Send settings

General Grid Inverter Charger Virtual switch Assistants

Usage VS options Generator control

Load conditions

Start generator when load higher than:

2548 W for 30 seconds

Once started due to load condition, stop generator when load lower than:

637 W for 2 minutes

Battery conditions

Start generator

when Udc lower than: 11.75 V for 20 seconds

or when state of charge lower than: 50.0 %

Once started due to a battery condition, stop generator when:

Udc higher than 14.00 V for 30 minutes

☐ stop generator when AC2 available

☐ invert driving of auxiliary relay (i.e. generator starts when relay NOT driven)

From:
<https://www.victronenergy.com/live/> - Victron Energy

Permanent link:
<https://www.victronenergy.com/live/ve.bus:virtual-switch-generator-start-stop?rev=1548546392>

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