Programming the Inverter Through VictronConnect (Page 1/4)

You can now connect the MK3 adapter to an Android phone or tablet, Apple laptop, or Windows PC/laptop for programming. This guide covers how to program the Victron Multiplus inverter using the VictronConnect App.

1. Connect the MK3 Adapter to your Mac or PC device. You may need a USB adapter to allow the MK3 to connect

AM SOLAR





USB to USB-C Adapter for the Android phones and MacBook Pro.



2. If you haven't already downloaded VictronConnect to your phone or device, you can get it on the Mac App Store, Google Play, or the Windows store.







3. Open VictronConnect, and ensure your Inverter is powered on and connected to the batteries for DC power. Connect the ethernet cord from the inverter to the MK3 Adapter.



4. Find the Inverter when in VictronConnect, and press on it to connect.







Viewing Your Multiplus Inverter

 Once you enter VictronConnect, this status page will be the first screen for the inverter. Press the gear icon in the top right:



4. This is where you change settings. These can be obtained from AM Solar. For now, press the 3 circles in the top right and enter the "Product info" section:

×	Settings	Product info	
Ger	eral	>	
Gric	i	>	
Inve	erter	>	
Cha	irger	>	
AC	input control	>	
Hel	p & Manuals	>	

2. Once you press the gear in the top right you will enter this settings menu. You will want to click on "Enable Settings":

× s	Settings	:
â	Settings disabled Features provided in this menu are powerful tools intended for use by Victron-trained Engineers, Installers and Dealers. Its usage must not be attempted by system Owners ar Users. Configuring our Inverter/chargers, suu as Multis and Quatros, requires both training and experience. Victron offers no direct support for un-trained individuals carrying-ou configuration. ENABLE SETTINGS	nd eh J
General		>
Grid		>
Inverter		>
Charger		>
AC input	control	>

5. Once in product info, press the update button here to ensure you are on the latest firmware.



3. The next step is entering the password – This is "zzz"



6. Now proceed with the device reset:



Programming Your Multiplus Inverter

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Access both the Charger and the Inverter sections from within "Settings", and set the values per your manufacture's specifications. Thse are the primary settings you are concerned with:

← Charger	
Enable charger	-
Charge current	50A
Float voltage	13.70V
Absorption voltage	14.40V
Repeated absorption interval The charger will enter in repeated absorption mode at the specified interval to "refresh" the battery.	7.00d
Repeated absorption time	1.00H
Absorption time	21
Charge curve Charge curves description. Fixed	-
Lithium batteries Click here to know the effect of enabling or disabling Lith battery mode	um 🗨
Storage mode When is fully charged keeps the battery at reduced const voltage to limit gassing and corrosion.	ant 🔘
Use equalization Traction batteries require regular additional charging. Res more	
Weak AC input Should be checked in cases where problems during charg arise. <u>Read more</u>	ge O

Charger Page:

Float Voltage: Absorption Voltage: Repeated absorption time: Charge Curve: Absorption time: *NOTE*: Ensure lithium batteries are checked (tab turned to blue) if you are using lithium.

Victron's video: <u>https://youtu.be/Z9VKtoAS8o4</u> Victron's Summary: <u>https://docs.victronenergy.com/victronconnect-vebus.html</u>

- Inverter		
Inverter output voltage		120
Ground relay More info		
DC input low-shutdown Inverter will switch off when the level	DC voltage drops below this	10.50
DC input low restart Voltage at which the inverter will low DC voltage	restart after a shutdown by	12.00
DC input low pre-alarm Level at which the low battery pre-	e-alarm indication starts	12.00
Low SOC shut-down	1	Disable
AES Saves battery energy when there connected to the inverter. More	is no (or very low) load	0
Start AES when load lower t	han	60V
Stop AES when load higher	than	74V
AES type AES types description.	Modified sine wave	Ŧ
PowerAssist If the load exceeds the AC-input inverter to assist. More	current limit, use the	

Inverter Page:

DC input low-shutdown: DC input low restart: PowerAssist: Enabled Assist Current Boost Factor: 2



Firmware Update Process

÷	12/500/20-16	×	Settings	8	±	4
	AC IN 1		Fetching	settings		_
	(A) 12.0A	Genera	al			>
		Grid				>
		Inverte	и			>
		Charge	or			>
	14.35V 0.60A	AC inp	ut control)
	Absorption charge	Help &	Manuals			>
÷	12/500/20-16	×	Settings	8	1	
÷	12/500/20-16	×	Settings	•	4	
÷	12/500/20-16	X Genera Grid	Settings	8	1	: ; ;
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÷	12/500/20-16 AC IN 1 26W 12/500/20-16 AC OUT 11: 4W	X Genera Grid Inverte Charge	Settings al	8	1	:
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