

Commissioning Fronius Monitoring via SMART PHONE/TABLET Using the Datamanager V 2.0

For Fronius SnapINverters: Galvo/Primo/Symo/Eco



1 BEFORE YOU START

Get the password and the name (SSID) of the WiFi network you want to get connect to.

Connect your smart phone or smart device to the WiFi network in order to check the availability of the internet.

Check the status of all the four LEDs on the Datamanager (DM) Card inbuilt in the inverter. The '**tick LED**' and the '**cross LED**' light up need to be green. If not, check the DM card and also termination plugs are inserted properly (located in the data communication compartment at the bottom of the inverter).



2 SETTING UP MONITORING USING A SMART PHONE OR A TABLET

Download Fronius Solar.Web App from App store or Google Play and install it on a smart phone or tablet. Or go to: <u>https://wizard.solarweb.com/downloadApp.html</u>







1. Activate the 'WIFI Access Point' via the 'SETUP menu' on the display of the inverter. If using a Datamanager Box move the IP switch into position 'A'.



Fig.1: Activating the WiFi access point on the Inverter's display - Setup menu

/ Perfect Welding / Solar Energy / Perfect Charging



iPad ᅙ	17:09	🖇 58% 🔳			
Settings	Wi-Fi				
E Aeroplane Mode	Wi-Fi				
S Wi-Fi FRONIUS_240.68893	 FRONIUS_240.68893 	∎ হ (ì			
Bluetooth On	CHOOSE A NETWORK				
	DATALOGGER	∎ হ (j)			
Notifications	fromobile1	≜ 奈 (j)			
Control Centre	frouser	₽ 중 ()			
C Do Not Disturb	Other				
	Outor				
General	Ask to Join Networks				
A Display & Brightness	Known networks will be joined automatically	. If no known			
🛞 Wallpaper	networks are available, you will be asked before joining a new network.				
Fig.2: Network connections settings on Apple IPad					

- 2. Connect the smart device (Tablet or Smartphone) to the WiFi network of the inverter.
 - Search for the network with the name "Fronius_240.xxxxx" on the device.
 - Enter password: 12345678

3. Open the SolarWeb App on the smart device. If the SolarWeb App recognizes that it is already connected to an inverter it will ask whether to start the Setup wizard. -> select 'Yes' Alternatively click on the red button in the right bottom corner or go to 'Settings' -> 'Setup inverter'



Fig.3: SolarWeb App screen shows how continue to the installation wizard.



Fig.4: Start of the installation wizard in Fronius SolarWeb App

4. Run the **SolarWeb Wizard** and follow the instructions.







Fig.6: Fronius SolarWeb App Inverter Settings



Fig.7: Fronius SolarWeb App Connection Settings

- 5. Enter the correct **date and time**. (it might be pulled from your smart device automatically)
- 6. Select the right time zone. (it might be pulled from your smart device automatically)

- 7. Assign a system name to your system.
- 8. Enter the **solar module power** connected to the inverter in Watts (Wp).

- To get the internet connection settings done chose the connection type (1):
 - a. Hard wired LAN connection or
 - b. wireless LAN (WiFi) connection (default)
- For wireless LAN: Select the customer's WiFi network under 'Available networks' (2).

Note: The option 'Add WLAN' is used to enter the name and password for the customer's <u>hidden</u> Wi-Fi network.

11. Click '**Set'** (3) to enter the password for the customer's WiFi network in the popup window.



Fig.8: Fronius SolarWeb App Connection Settings - WiFi password





- **12.** Enter the **password** of the customer's WiFi network in the popup window.
- 13. Click 'Save'.

- <u>Optional</u>: If a static IP address is required follow the instructions at chapter '5 INTERNET CONNECTION WITH A STATIC IP ADDRESS' at this stage and continue here later again.
- 15. Click 'Connect'

- 16. Close the Solar.Web App.
- 17. Connect your <u>smart device</u> (Smartphone or Tablet) to the customer's WiFi network. (in order to check whether the inverter has successfully connected to the customers network). Therefore go to the Wi-Fi settings of the smart device and change to the network.

Hint: In case the smart device has been connected to the homeowners Wi-Fi network before the App will reconnect automatically (no need to manually change the WiFi connection on the smart device).



Cancel		Setup wizard (2/3)		
System m	onitoring		en Froniu s	9
Connectio	on buildup	Network status	Passwords	
	•••)		•	_
IP-Address:	192 168 1 4	available	Internet	9
Network mask:	255.255.255.0	Name server:	192.168.1.1	
MAC address:	00:06:C6:4A:43:79	Gateway:	192.168.1.1	
SSID:	DATALOGGER			
			Back Forward	

Fig.11: Wizard in Fronius SolarWeb App – Network status

Cancel		Setup wizard (2/3)		
System	n monitoring		≋ en	Fronius
N	etwork status	Passwords		Finish
Please set a	n administrator password to pr	otect your system from unauthorized c	hanges!	
User name Password • Repeat pas	admin	acceptable identical uthorized read access.		
Fin 40 - 0			Back	Finish

Fig. 12: SolarWeb App – Password protection for the settings

- **18.** Re-open the Solar.Web App and wait for the Network status window to appear.
 - If the internet availability is displayed with 'Yes', click on 'Forward'.
 - If the internet availability is displayed with 'No' please, click on 'Back' to reenter the (correct) password or talk to the network administrator.

- **19.** Choose a **password**. (Also note down the password for your record!)
- 20. Click on 'Finish'.

Note!: The inverter is now successfully connected to the internet. The system need still to be added to a SolarWeb monitoring account. Therefore see next chapter.



3 ADDING A SYSTEM TO SOLARWEB MONITORING

There a two ways of registering a PV system (or data source) on SolarWeb, either automatic via the SolarWeb App by continuing the SolarWeb Wizard or register it manually.

Cancel	Setup wizard (3/3)		٦
		i∎ en	Irronius
Fronius Solar.web account			
You already have a Fronius Solar.web account?			
Username Sparky55@email.com Password			
	Login 🌄		
Don't have a Fronius Solar.web account yet?			
	Register 💙		

- To add the new system / logging source to your monitoring account on SolarWeb,
 - → Login with your username and password if you have already registered an account in the Fronius SolarWeb portal.
 - → If you don't have a SolarWeb account, click on 'Register' to create your account first.

- Adding a system to a SolarWeb ac nt 13. Solar Web App

Cancel		Setup wizard (3/3)	Û
			en Fronius
Fronius Solar.	web account	PV system	Fronius Fronius Solar.web
Datalogger ID: 240.92522 PV system name MySyste	om		
Address Country	Australia (Australia)	Contacts E-mail	Sparky55@email.com
State	Victoria	Telephone	+61 412 345 678
Zip code City Street and house number	3123 Melbourne 123 XYZ Street	Regional settings Currency Time zone	AUD (\$)
		Previo	ous Submit

Fig. 14: SolarWeb App – Adding a system to a SolarWeb account



Fig. 15: SolarWeb App – Adding a system to a SolarWeb account

➔ Fill in the form for system details

- ➔ Select whether you want to
 - i. Create a new PV system
 - ii. Add a datasource to an existing system
 - iii. Exchange a datasource



B) Adding the System manually



Fig. 16: Inverter display – WiFi hotspot name



Fig. 17: www.SolarWeb.com - Icon to add a system

Solar.web	tem comparison		1 🗗 🏫	Fronius	SOLAR.WE
737.8 kw	Add PV system				premium
2,264.13 kWp	Add PV sy	stem			dailbox (28)
30 PV systems 121 Inverters	PV system name	•			/ser settings
Total energy 5.23 GWh	Add Datalogg	er IDs *			tacts ort back
Total earning 184,291.57 AUD 690.00 FUR	Add another dat	a source ?			ius services us Solar configu
23,721.38 USD	Address		Contacts		us Solar.TV
Total CO ₂ savings	Country *	Australia (Australia)	 E-mail * 	haider.volker@fronius.com	oh for installer
4,859.77 t	State		 Telephone 		uct Registration
	Zip code *		Regional sett	ings	ius Solar.web
	City *		Currency *	\$ (AUD)	▼ ^{bid}
	Street and house number *		Time zone *	(UTC+10:00) Canberra, Me	▼ OSX ows 7 ows 8.1
					ius Solar.wet
				✓ ×	

Alternatively the system / logging source can be added manually to www.solarweb.com.

/

- → Note down the Datalogger ID from the inverter's display (it is part of the name of the WiFi Access Point starting with 240.xxxxx)
- ➔ Go to www.solarweb.com login and select the icon -> 'Add system'
- → Fill out the online from in the popup window.
 - o PV system name
 - Datalogger ID
 - Address of the installation
 - Email address
 - Currency
 - Time zone

Fig. 18: www.SolarWeb.com – Adding a system to a SolarWeb account



If everything went well the PV on solarweb.com will look like this.

Fig. 19: www.SolarWeb.com – PV System Overview page



4 REGISTER AN ACCOUNT ON SOLAR WEB

There a two ways of registering a monitoring account on SolarWeb, either automatic via the SolarWeb App by continuing the SolarWeb Wizard or register it manually.





5 INTERNET CONNECTION WITH A STATIC IP ADDRESS

For a commercial installation it may be required to connect the inverter via a static IP address. Get the details of static IP address and the required network from the local IT administrator.



Fronius reserves all rights, in particular rights of reproduction, distribution and translation. No part of this work may be reproduced in any way without the written consent of Fronius. It must not be saved, edited, reproduced or distributed using any electrical or electronic system. You are hereby reminded that the information published in this document, despite exercising the greatest of care in its preparation, is subject to change and that neither the author nor Fronius can accept any legal liability. Gender-specific wording refers equally to female and male form.