



switchDin

Quick Reference Guide

Droplet + Fronius NEW Installation

For AusNet Services
Flexible Exports

Prepared by:

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1. Required Hardware & Software Checklist

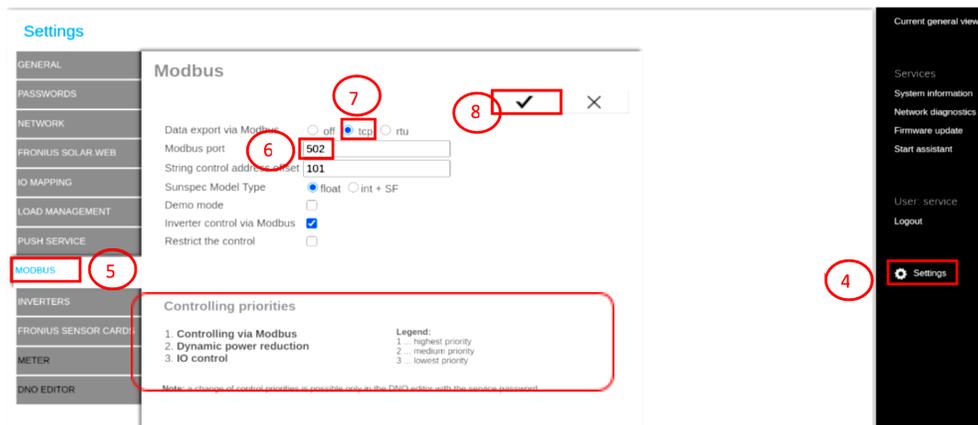
- Fronius SnapInverter Primo 3-8.2kW
- Fronius Smart Meter 63A-1
- SwitchDin Residential Droplet
- GPO for SwitchDin Droplet
- Sets of cables (ethernet & ethernet to USB adaptor)
- SwitchDin App: www.switchdin.com/app



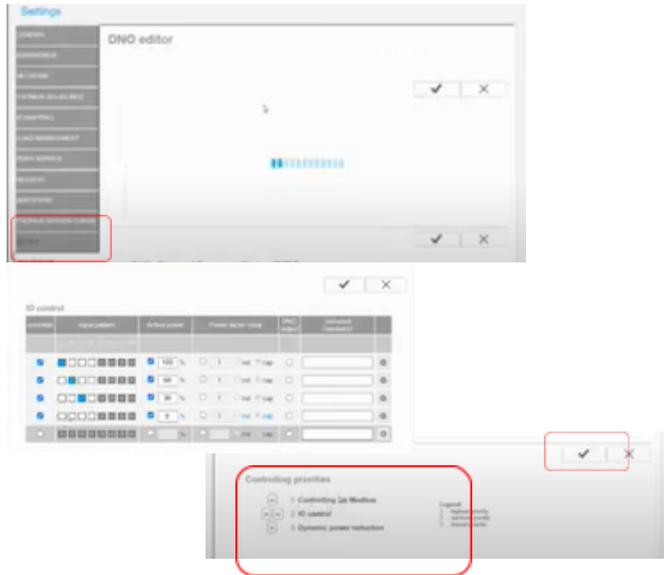
2. Wire up Smart Meter on grid or load configuration. Refer [OTR Wiring Information and Diagram](#)

3. Enable Modbus TCP and port 502 as follows:

1. Install Fronius Datamanager
2. Open an internet browser
3. Enter one of the following into the address field of the internet browser
 - The IP address of the Fronius Datamanager (can be accessed via System Information)
 - Or host name and domain name of the Fronius Datamanager
4. The app will open. Click “Settings” on the right-hand side
5. Select “MODBUS” in the left-hand menu
6. Enter “502” in the Modbus port field
7. Select “tcp” as the data export via Modbus option
8. Click the tick to complete



4. Set the controlling priorities as follows:

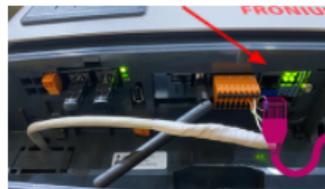


1. Select "DNO Editor" in the side menu
2. In the IO Controls table toggle the box in the cross section of I4 column and the 4th row so that it shows as white instead of blue
3. Untick the 4th checkbox in IO Controls table
4. Set the control priorities using the arrows
5. Click the tick once the priorities have been set

5. Wiring the Droplet to the inverter
Follow one of the processes below



Using a screw-driver, open the inverter cover



Plug ethernet cable into the inverter port



Plug the other end of the ethernet cable into an adapter



Connect the adapter to any USB port on the Droplet

Plug the Droplet to a GPO . Connect it to the internet through ethernet cable or Wi-Fi to router

OR



Using a screw-driver, open the inverter cover



Plug ethernet cable into the inverter port



Plug the other end of the ethernet cable into the router

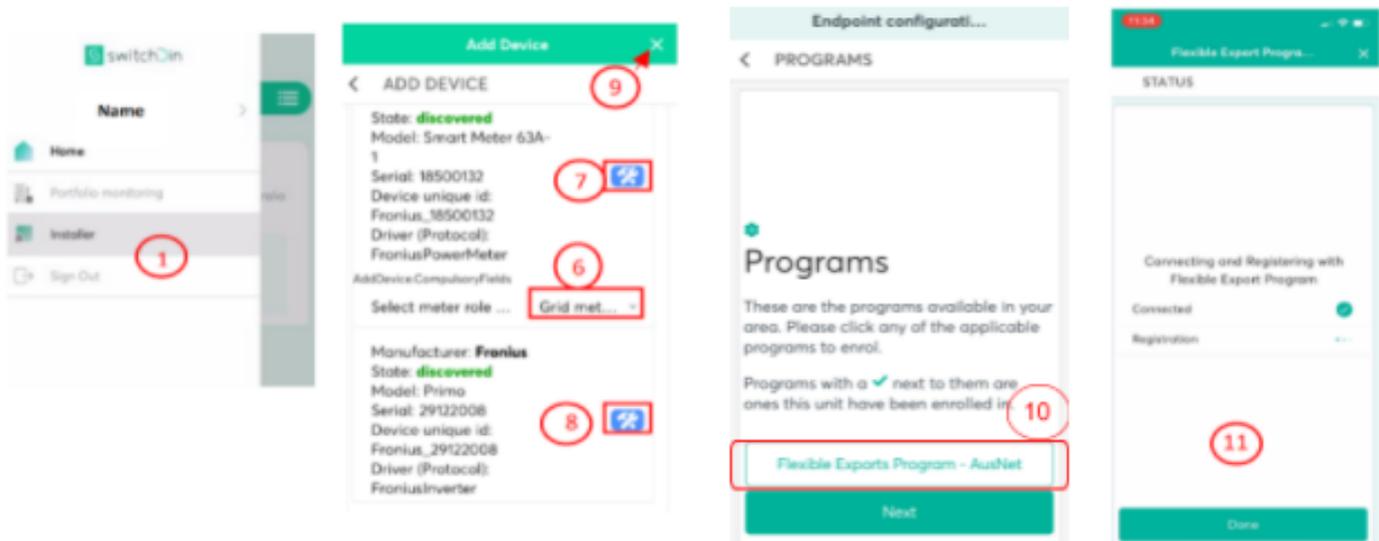


Connect the Router to Droplet

Plug the Droplet to a GPO

6. Commissioning the Droplet

1. In the Installer app, select installer from the side menu, the scanner will start
2. Scan the QR code on the side of the Droplet, follow the prompts and select to connect via ethernet or Wi-Fi
3. Add a device by clicking the “+” icon on the bottom right of the screen
4. Select the discovery option
5. Select meter role of “Grid meter” or “Load meter” (see x) from the dropdown box
6. Click the configuration button for the smart meter, the message “Configured” appears
7. Click the configuration button for the inverter, the message “Configured” appears
8. Close the “Add device” window, click Next
9. Select the option “Flexible Export program – AusNet”
10. Enter NMI, click next
11. The screen indicates if the connection and registration is successful. Click done



If this is your first time commissioning a device, refer to the Droplet Commissioning guide on how to create a ‘portfolio’ - please use ‘AusNet’ in the portfolio name and invite flexible_exports_trial@ausnetservices.com.au services as an ‘Analytics user’

7. Add/Invite End Customers

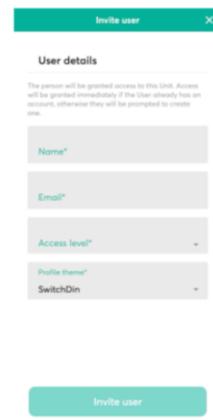
Go to SETTINGS



Invite users



Enter details and UNIT OWNER BASIC access level



8. Troubleshooting

1. Droplet status indicator meanings



	Indication	Red	Green	Blue
PWR	Power	N/A	Power	N/A
WiFi	WiFi	No Wi-Fi	Wi-Fi connected	Weak Wi-Fi signal
iNet	Internet	No Internet	Internet connected	Configure via SwitchDin app
SDin	SwitchDin comms	Cannot see SwitchDin	Connected to SwitchDin	N/A
Devs	Devices attached	No devices	Devices detected	N/A

2. [Smart Meter Installation Guide](#)

3. SwitchDin Installation video: [SwitchDin Fronius Install & Commissioning](#)

4. **Checking Droplet Software Version:** The Droplet needs to be on the latest Firmware version. This can be done prior to install or after install.

To update prior to install, do one of the following:

- Plug the Droplet to internet via ethernet cable and leave it overnight prior to installation day. The update will occur automatically at ~10:30 PM AEST

OR

- Plug the Droplet to internet and contact SwitchDin support at support@switchdin.com with Droplet ID.

To update after install (Note: even the 'beta' version of software should be able to support Flexible Exports and enable the installer to enrol the unit in the program, then contact SwitchDin to update):

- Contact SwitchDin support at support@switchdin.com with Droplet ID.

Once a Droplet is 'claimed' by an installer and associated with a unit, then the software information should be available in the "Endpoint attributes" on the "Equipment" page of the unit:

Warranty claims & support: support@switchdin.com

General enquiries: info@switchdin.com

SwitchDin Support : (02) 4786 0426 , Extension 1

Fronius support: (03) 8340 2910

AusNet support (Mary Masters): 0460 284 109