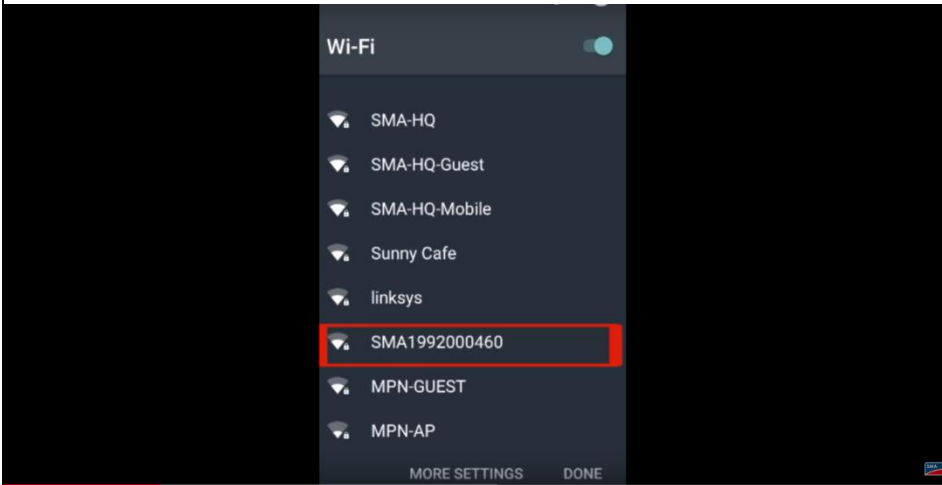


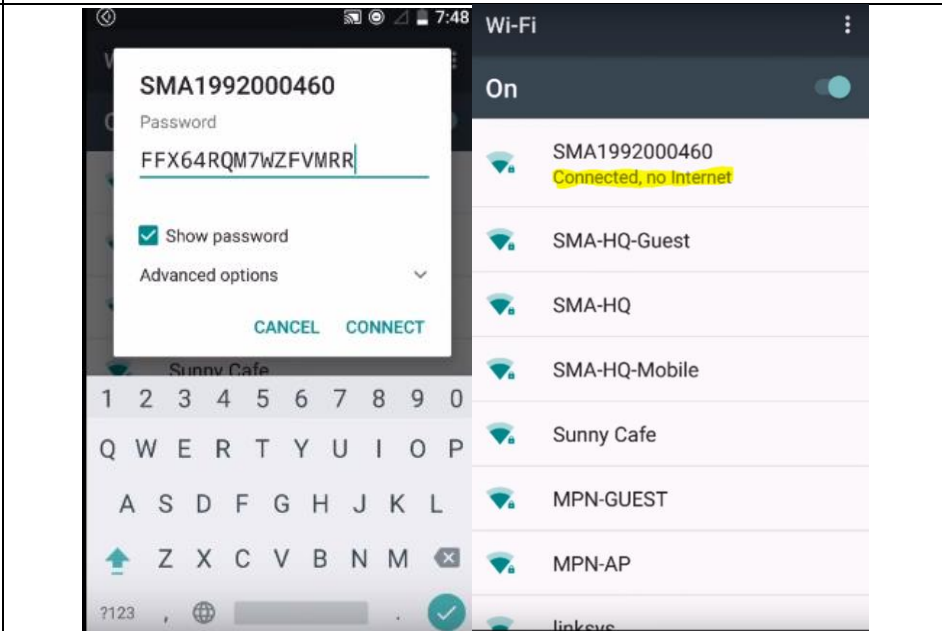


Wireless Commissioning of SB1.5/2.5/3.0/4.0/5.0

Video Tutorial: <https://www.youtube.com/watch?v=ydFlufat9is&t=119s> (Connecting to your Inverter Wifi)

<p>Step1: Find the SMA inverter WiFi</p> <p>It will say, 'SMA#####'</p> <p>Where # is the serial number of your inverter.</p>	
<p>Step2: Enter the Password.</p> <p>For the first time commissioning, the password is "SMA12345"</p> <p>The password then changes to the WPA2-PSK password.</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="438 896 845 1388"> <p>Inverter Type Label</p>  </div> <div data-bbox="901 896 1348 1366"> <p>Back Cover of Inverter Quick Installation Guide</p>  </div> </div>
<p>Do not enter "WPA2-PSK"</p> <p>Once the password is successful, it will say, "Connected, No Internet" This is normal.</p>	

Step 3:

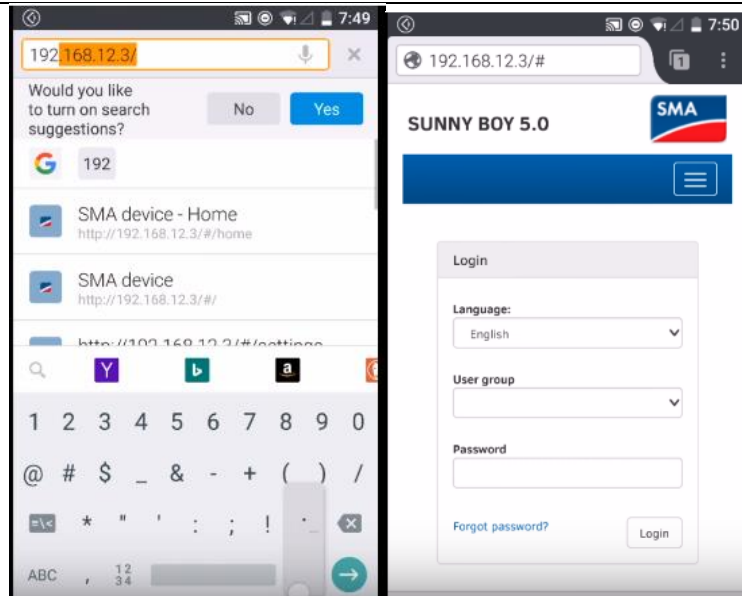
Open up a web browser, such as Chrome, Safari or Firefox.
Put in **192.168.12.3** in the address bar.
(For older SB1.5/2.5 installed in 2016, please use IP address 192.168.100.1)

Step 4:

User Group: select installer.

The first time, the inverter webpage will ask you to set a new password, and repeat password.

If you lost your password, you need to call up SMA Service to obtain a PUK password.

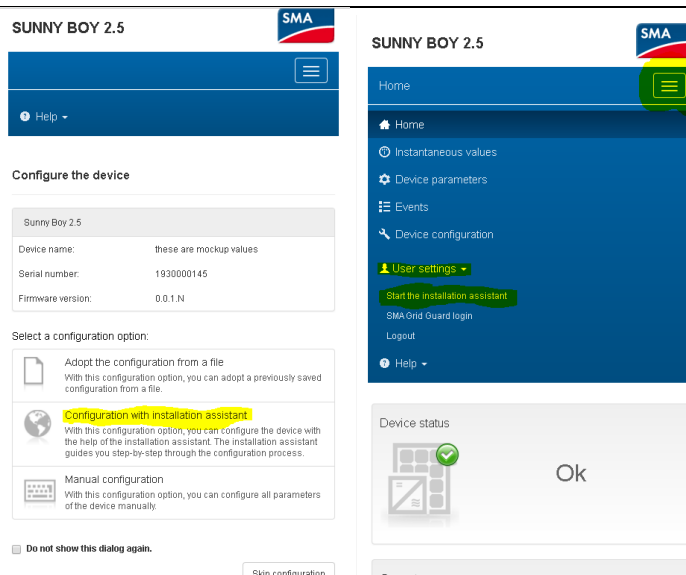


Step 5:

Select Configuration with installation assistant.

If you are taken to the home page after you login, you can also find this menu in: Select the menu button -> user settings -> **Start the Installation assistant.**

Note: You must be logged in as installer.



Step 6: Wifi Settings

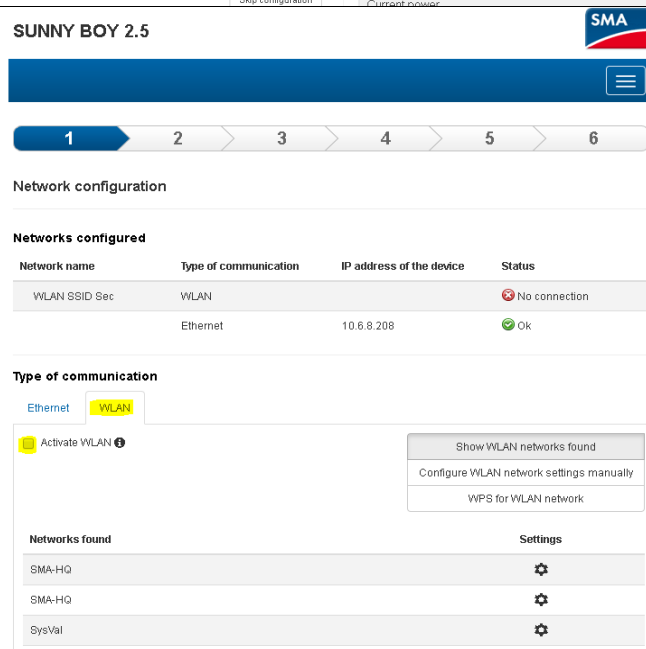
Under Type of Communication Select 'WLAN'

Make sure 'Activate WLAN' is checked.

You should see a list of Networks Found.

Look for your WiFi network.

You will also need to know the WiFi password of your network.



Step 7:

Click on the **Settings wheel**, next to your own WiFi network.

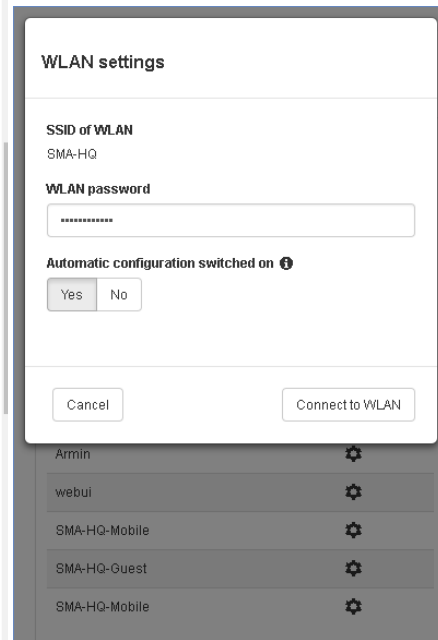
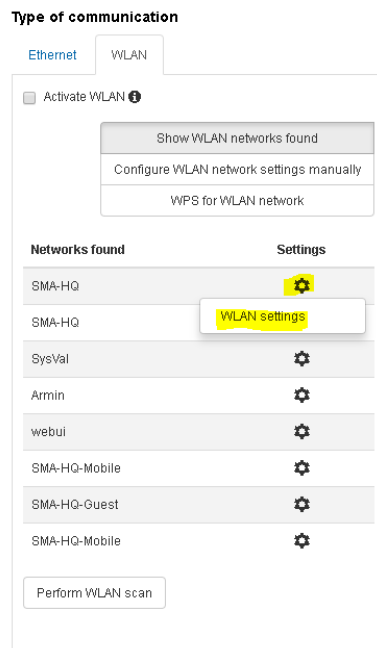
Then Select **WLAN settings**

Put in the WiFi password of your network and then select **Connect to WLAN**

Make sure Automatic configuration is switched on.

If you have done this correctly, at the **Status** you will see a green tick with **“OK”**. You will also be given an IP address by router router.

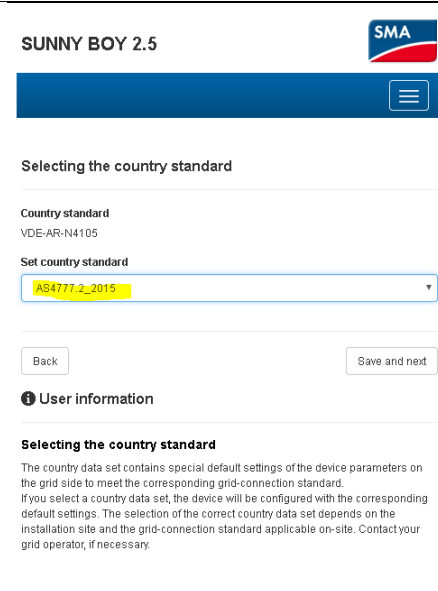
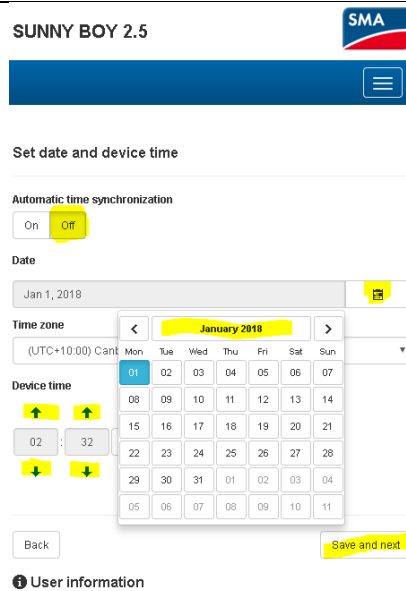
Your inverter is now connected to the internet!



Step 8:

Configure date and time. Turn off automatic time and put in your local time and date. Then Save and Next.

Configure Country Standards, select AS4777.2_2015 Then Save and Next.





Step 9:

Turn off **Feed in Management at the grid-connection point**

Turn off **System control and power limitation**.

Then Save and Next.

SUNNY BOY 2.5



Grid management service configuration

Feed-in management Static voltage stability

Connected line conductors Phase L1

Feed-in management at the grid-connection point

On **Off**

System control and power limitation

On **Off**

Back

Save and next

You will then be taken to a summary page, simply press continue.

The commissioning of this inverter is now complete.

The inverter may restart itself and log out of the WEB UI. The WiFi password is now permanently changed to the WPA2-PSK as indicated in Step 2.

Repeat steps 2-4, to log into the inverter and monitor the inverter's generation data.

SUNNY BOY 2.5



Summary

Time and date

Automatic time synchronization	Yes
Time zone	(UTC+10:00) Canberra, Melbourne, Sydney

Country standard

Country standard set	VDE-AR-N4105
Set country standard	AS4777.2_2015

Meter configuration

Speedwire meter serial no.	1900210013
----------------------------	------------

Grid management service

Operating mode of act. power limit. at grid connection pt	Off
Nominal PV system power	2,500 W
Operating mode of stat.V stab., stat.V stab. config.	Off
Operating mode of feed-in management	Off

Export all parameters

Export the summary

Back

Continue

Sunny Portal Registration

Now that the inverter is connected to your Wi-Fi network, you can register it online by following the 'Plant Setup Assistant' on www.sunnyportal.com using the PIC and RID codes written on the inverter label.

Along the process, you will be able to name the plant and 'create' the plant password. This plant password is actually the 'Installer' password which you have created when you first logged in on the Web UI interface.



The screenshot shows the Sunny Portal website interface. At the top, there is a navigation bar with the SMA logo and the text 'SUNNY PORTAL English'. Below this is a main banner area with a large image of a house with solar panels and a list of features:

- Comfortable PV system monitoring for beginners and professionals
- Display of yield, power, earnings and more
- Status messages via e-mail to PC and mobile phone

To the right of the banner is a 'Login' form with fields for 'E-mail' and 'Password', a 'Login' button, and a link for 'Forgotten password'. Below the banner are several widgets:

- PORTAL OVERVIEW**: A table showing system statistics.

	Yesterday	Total
PV SYSTEM:		239,903
TOTAL ENERGY (kWh)		43.84
AVOIDED CO ₂ (kg)		30.68
- Example PV systems**: A link to view example PV systems on a house.
- Publicly available PV systems**: A link to view publicly available PV systems.
- Plant Setup Assistant**: A red-bordered box with the text 'Register your new PV system in Sunny Portal.' and a 'Register now' button.

Additional Tips:

Once you have connected your inverter to your Wifi, you can also log into the inverter through your WIFI network.

In the Network Configuration section (Step 5 and 6), you will see an IP address of your inverter. This is given by your router.

This IP address is also found in the home page. Scroll to the very bottom and to see WLAN IP address.

For Example:
This inverter is connected to network "Sunnycafe" and has been allocated an IP 192.168.178.110

A laptop or mobile device connected to "Sunnycafe" wifi can also access this inverter through the entering the IP 192.168.178.110

SUNNY BOY 5.0

The active power limitation is deactivated.

Network configuration

Networks configured

- Network name**
sunnycafe
Type of communication
WLAN
IP address of the device
192.168.178.110
Status
Ok
- Type of communication**
Ethernet
IP address of the device
No connection
Status
No connection

Type of communication

Ethernet **WLAN**

Automatic configuration switched on **Yes** No

Serial number: 1992000460
Firmware version: 1.3.4.R
WLAN IP address: 192.168.178.110

User group: Installer
Date: 1/4/18 10:14 AM

Current power and current consumption

Day Month Year Total

Jan 4, 2018

PV power (kW) Power consumption (kW)

PV power and power consumption

SMA device x

192.168.178.110

SUNNY BOY 5.0

Language: English

User group

Password

Forgot password? Login

SMA device - Home x

192.168.178.110/%

SUNNY BOY 5.0

Home

- Home
- Instantaneous values
- Device parameters
- Events
- Device configuration
- User settings
- Help

Device status

Ok

Current power