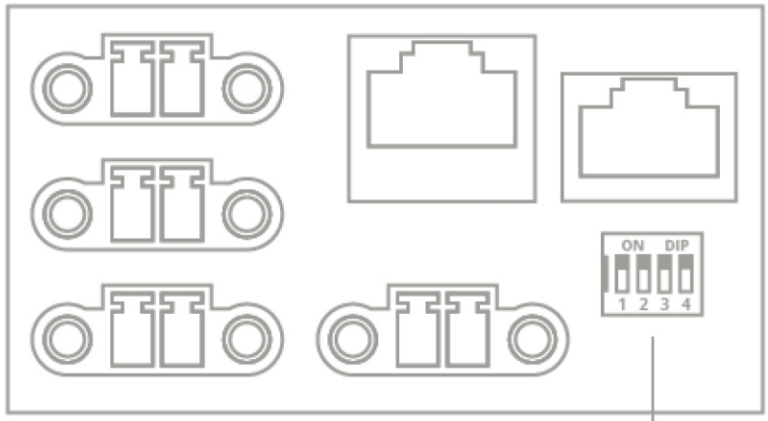
INTERNAL WIFI

Setting the inverter to WiFi



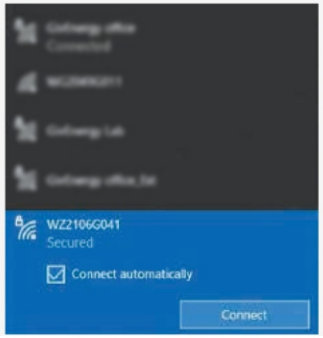
WiFi mode

The built-in WiFi serial numbers all begin with either **WH, WG, WJ, or WK.**
Remove the **bottom cover** of the inverter.
Check the dipswitches (pictured) and configure them to **WiFi mode.**

**If considering resetting the internal WiFi on a Gen 3 inverter please contact the support desk beforehand.*

WH SERIAL NUMBER

1. Accessing your WiFi settings

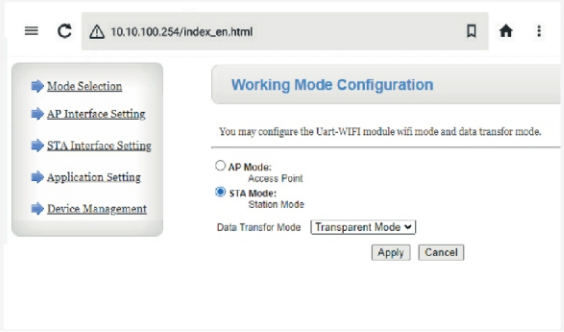


Access your **WiFi settings.**

Select the WiFi network that matches the dongle **serial number.**

Click **Connect** when it is visible (ensure **Connect automatically** is ticked).

2. Logging in to your local inverter WiFi settingss

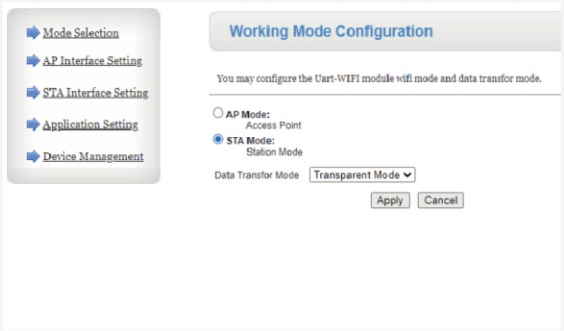


Open your **web browser** (preferably Google Chrome).

Type **10.10.100.254** into the address bar.

When prompted enter:
Username: admin
Password: admin*

3. Select Mode

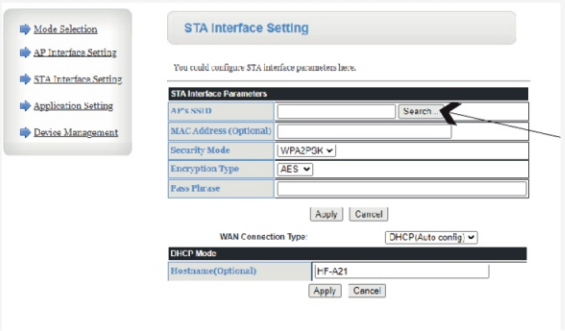


Select **Mode Selection.**

Select **STA mode.**

Click **Apply.**

4. Connecting to your WiFi



Select **STA Interface Setting.**

Click the **Search** button.

5. Selecting your WiFi network

Select your WiFi network from the list.
Click **Apply.** Click **Refresh** if your network doesn't appear (see troubleshooting for more support).

Site Survey

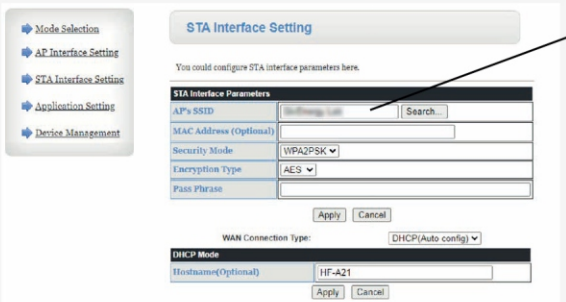
	SSID	BSSID	RSSI	Channel	Encryption	Authentication	Network Type
◉	[redacted]	74:da:88:95:c7:de	37%	6	AES	WPA2PSK	Infrastructure
○	DISPLAY_TABLETS	06:ec:da:3b:77:5d	26%	6	AES	WPA2PSK	Infrastructure
○	WF2125G793	34:ea:e7:7f:e6:5c	89%	11	NONE	OPEN	Infrastructure
○	HideSSID	76:ac:b9:97:33:e6	83%	11	AES	WPA2PSK	Infrastructure
○	WE1812G001	f0:fe:6b:73:4b:98	20%	11	AES	WPA2PSK	Infrastructure
○	WZ2108G038	98:d8:63:9b:29:b9	78%	11	NONE	OPEN	Infrastructure
○	WF2026G304	98:d8:63:97:37:fc	100%	11	NONE	OPEN	Infrastructure

Apply Refresh

RSSI (signal strength) should be at least
60% for a reliable signal.

A WiFi booster/extender may be required
if signal strength is <60%
(see diagram).

6. Inputting your WiFi password

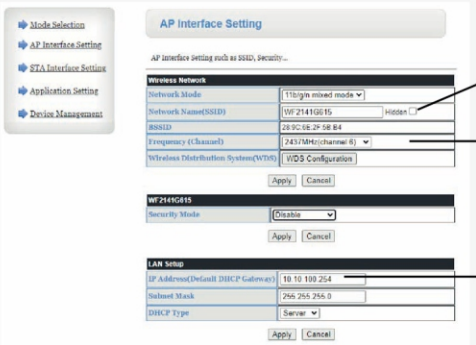


Note: If desired network does not appear, you can manually enter it here.

Enter the customer's WiFi password.

Click **Apply.**

7. Setting your security modes



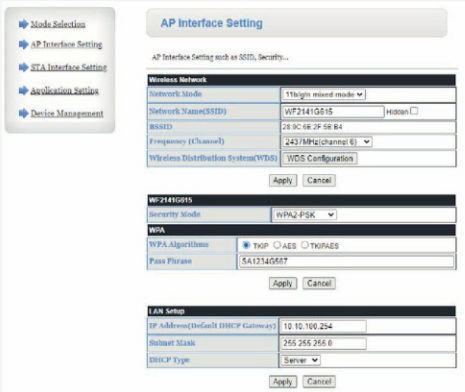
Select **AP Interface Setting.**
Select **WPA2-PSK** from the drop down menu in **Security Mode.**
Click **Apply.**

To hide the WiFi network name of the dongle when it is broadcasting you can tick the hide SSD box.

If you are having interference on a WiFi channel, or if it causing issues with your home WiFi you can try chaning the WiFi channel here.

If you wish to change the IP address of the dongle you can modify this here.

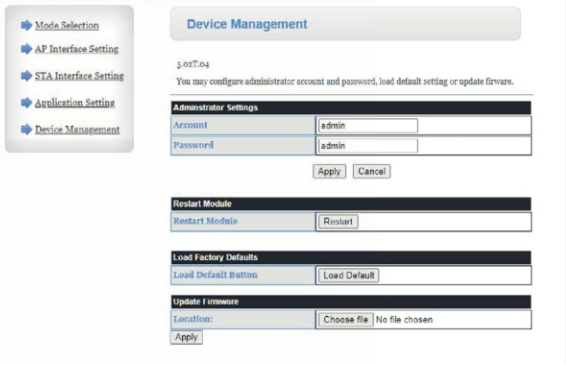
8. Selecting your dongle password



Choose a **password**
(inverter serial no. is recommended).

Click **Apply.**

9. Restart Dongle



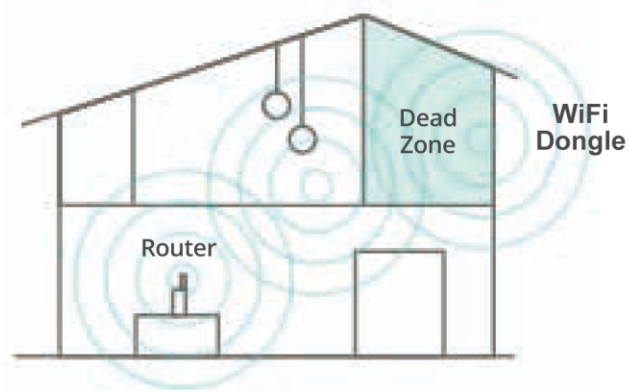
Select **Device Management.**

Select **Restart.**

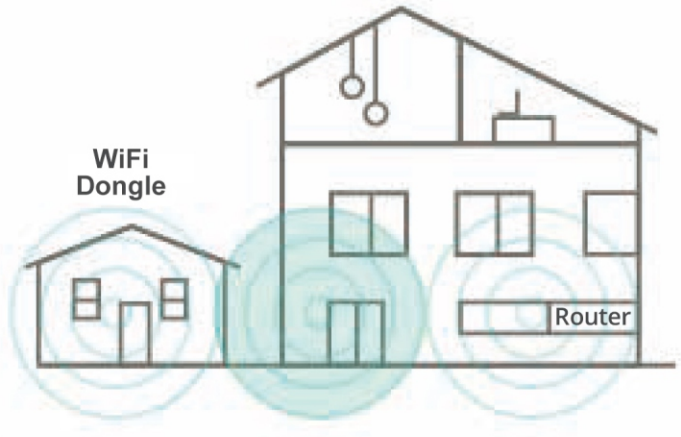
The screen will display **Rebooting**, this will stay on your screen indefinitely but the process only takes at maximum 10 minutes.

If after 10 minutes your system is still not connected refresh your page and then please try the steps again, or refer to our **Troubleshooting** steps on page 9.

ADDING A WIFI EXTENDER



When installing the inverter and the router is situated on the other end of the building, a WiFi extender may be needed for a good connection between the WiFi Dongle and the Internet router.



When installing the inverter into an outbuilding, such as a garage, the signal may not be strong enough to reach the dongle.

Position the WiFi extender approximately midway between the router and the inverter.

The SSID of the WiFi extender should be a different name from the customer's main network (i.e. add _EXT to the end).

The dongles only connect to a 2.4ghz frequency, if you have a dual band WiFi you will need to disable your 5ghz frequency.

TROUBLESHOOTING

- All of our WiFi **only connects to 2.4 gHz** (not dual band), you may need to activate 2.4gHz frequency on your router. If you are unsure how to do that, please contact your internet provider.
- Our dongles channel to 7654 on the router. If there is a firewall in place, the dongle **will not be able to connect.** If you are unsure how to open available ports please contact your internet provider.
- If you cannot find the user's WiFi network, try **restarting the user's internet router.**
- Signal strength (RSSI) should be **at least 60%** for a reliable connection. A WiFi extender may be required if signal strength is lower than 60%.
- You can manually write in a network's SSID in the network name as well as your WiFi password and encription if it does not show in the list of available WiFi networks.
- When entering a password, remember that passwords are **case sensitive.**
- Only one device can be connected to the dongle at any one time. If multiple devices are connected, it may disconnect you from the dongle.
- If you change your WiFi try renaming your router to your previous router name and setting the same password, this should allow the dongle to automatically reconnect.
- If your device is disconnecting from the dongle forget all networks and turn data off on your device
- Ensure you're close to the inverter when configuring
- If you are an installer, ensure dongle is on the portal