

Application Note - Wi-Fi Password Setting

WPS (Wi-Fi Protected Setup) is a feature built into modern broadband routers which allows pairing of devices without the need for password entry.

If the network uses a router without WPS, entering the network password is required.

You can enter the password using one of the following:

1. Using the inverter internal buttons, as described in the Wi-Fi Installation Guide available at http://www.solaredge.com/files/pdfs/se_wifi_communication_solution_installation_guide.pdf.
2. Connecting to the Wi-Fi network generated by the inverter. This allows changing the password without opening the cover.

This application note describes the second option. Once connected you can use a standard web browser and configure the inverter to connect to your home network.

This procedure does not require removing the inverter cover.

The SolarEdge inverter internal Wi-Fi module is not pre-configured. The router name and password of the internal Wi-Fi module can be set using a laptop or a smartphone with Wi-Fi connection. If, however, the Wi-Fi settings have been configured, you can revert to the default settings and then establish a new Wi-Fi connection.

► To change to default Wi-Fi settings:

Use these steps if the Wi-Fi settings were configured and you want to change them.

1. Enter the inverter Setup mode.

```
Server<LAN>
LAN Conf
RS485-1 Conf<S>
ZigBee Conf<S>
Wi-Fi Conf<N/A>
GPIO Conf <MTR>
RS232 Conf
Cellular Conf
Exit
```

2. Select **Communication > Wi-Fi Conf > Load Defaults**.

```
Scan Networks
Set key
Load Defaults
```

3. Continue with the next steps to establish a new Wi-Fi connection.

► To connect to the inverter Wi-Fi module:

Use this procedure to connect to a Wi-Fi module that has not been configured, or has been reverted to default settings.

1. Scan for networks on a mobile device or a laptop. The **xbee-<mac address>** should be displayed in the network list:



Figure 1: Wi-Fi network list

2. Select the **xbee** network.
3. Open a web browser and enter 192.168.1.10 in the URL address line. The XBee Wi-Fi Provisioning Tool window is displayed:

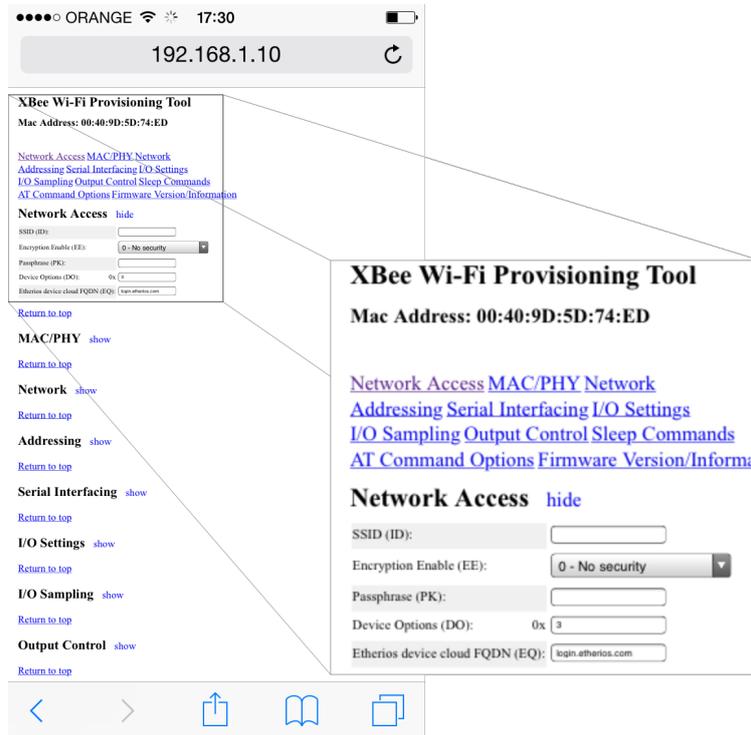


Figure 2: XBee Wi-Fi Provisioning Tool window

4. Select **Network Access**.



NOTE
Do not change any Wi-Fi parameter in this page, other than the specified below.

5. In the **SSID** field, type in your Wi-Fi router name (the one that appears on the scan list).
6. Select the encryption type (if applicable) using the **Encryption Enable** drop down list. To find the encryption type, check the Wi-Fi settings of your device: When connected to the router, select the connection name. The encryption type is displayed under "Security".
7. In the **Passphrase** field, enter the Wi-Fi router password.
8. Click **Apply** to establish the connection with the router.