

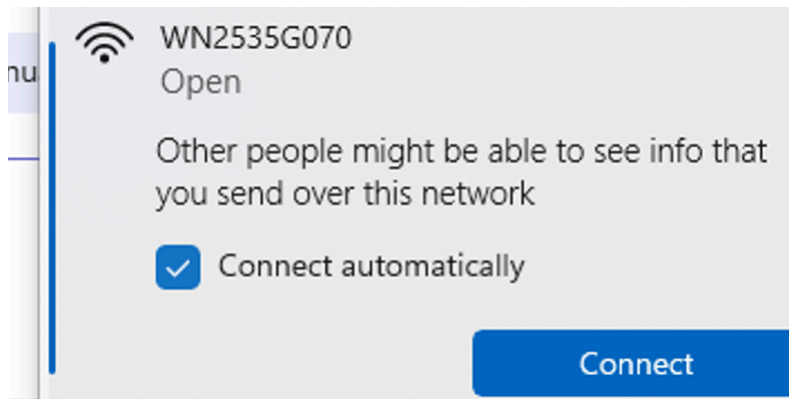
AECC Dongle Setup Guide

This guide explains how to set up the GivEnergy AECC Multi-Connect Dongle, used on **All in One 2**, **Gateway 2**, and **Gen 4 inverters**. The dongle supports LAN, WiFi, Bluetooth, and 4G fallback and must be configured before your system can come online.

Before You Begin

- Ensure the inverter or gateway is powered on.
- Have the customer's WiFi name and password available.
- Ensure you are close enough to the dongle during setup.

Step 1 - Connect to the Dongle's Hotspot



The dongle broadcasts its own temporary WiFi network, e.g. **WN2535G070**. There is **no password** on first use.

If the SSID appears locked, **factory reset the dongle** by holding the reset button for 10 seconds.

Reset Button Locations

- **Gateway 2:** Top centre of the unit
- **All in One 2:** Top right of the DC isolation area
- **Gen 4:** Bottom centre of the inverter front



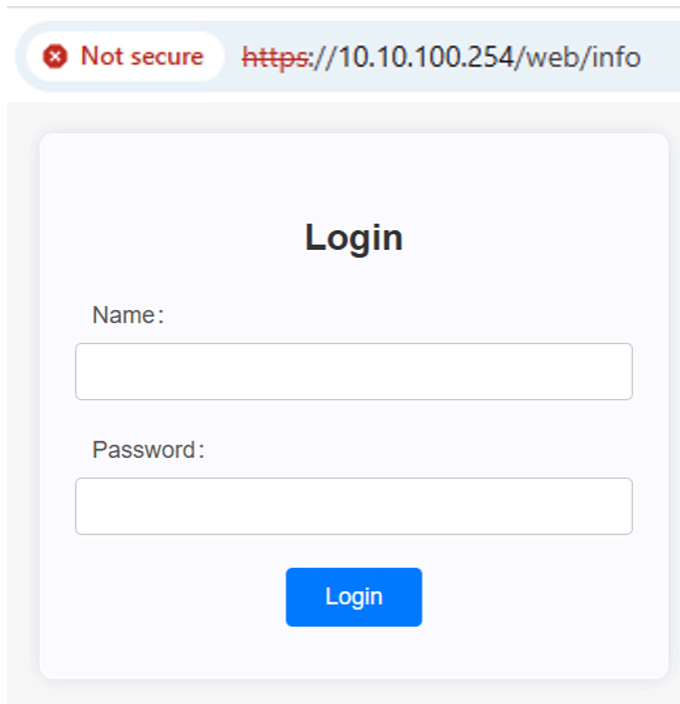
After connecting, your device may warn that “No Internet is available.” This is normal — continue to the next step.

Step 2 - Access the Dongle Interface

Open a web browser and go to:

<https://10.10.100.254/web/info>

Accept any browser warnings to proceed to the login page.

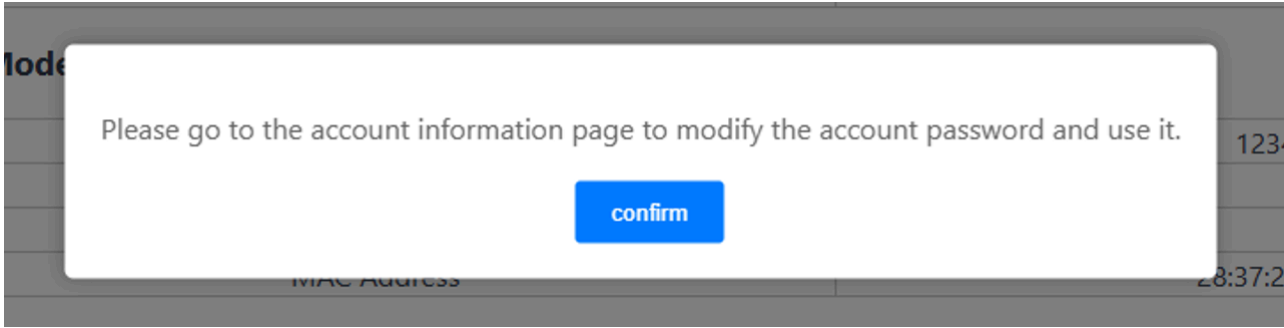


The screenshot shows a web browser window with the address bar displaying "Not secure https://10.10.100.254/web/info". The main content area has a light blue background with the word "Login" centered at the top. Below the title, there are two input fields: "Name:" followed by a text box, and "Password:" followed by a text box. At the bottom center, there is a blue button labeled "Login".

Default login details

- **Username:** admin
- **Password:** 123456

You will be prompted to change the password. Your new password **must include letters and numbers**, e.g. **admin123456**.



Important: Do not accidentally type the new password into both the username and password boxes.

Account password setting

Old Account

admin

Old Passowrd

123456

New Account

admin

New Password

admin123456

Display password

Save

Step 3 - System Page Overview

After logging in, you will start on the **SYSTEM** page. Here you can view:

- WiFi status
- LAN (Ethernet) connection status
- 4G connectivity
- Current software version

English 中文
Refresh

SYSTEM

STA Setting

AP Setting

Account info

Upgrade SW

Restart

Bluetooth

SYSTEM

MID	WN2535G070
Software Version	1.2.4.0.061
WiFi Work Mode	STA&AP

AP Mode

SSID	WN2535G070
IP Address	10.10.100.254
MAC Address	28:37:2ff1:38:3d

STA Mode

WiFi - BAD Not yet setup, no IP Address

Router SSID	12345678
Signal Strength	0
IP Address	
MAC Address	28:37:2ff1:38:3c

4G Mode

Status	Startup
APN	"iot.1nce.net"
ICCID	89882280666219322751
IMEI	869595065883190
GPS	/
RSSI	-116

ETH Mode

LAN Connection - GOOD IP Address Present

IP Address	172.16.16.16
MAC Address	28:37:2ff1:38:3f

If LAN is connected, you will see an IP address issued by the customer's router. If WiFi is not configured yet, the section will show no SSID or signal details.

Step 4 - Connecting the Dongle to WiFi

Select **STA Settings** from the menu.

English 中文 Refresh

SYSTEM

MID	WN2535G070
Software Version	1.2.4.0.061
WiFi Work Mode	STA&AP

AP Mode Setup WIFI

SSID	WN2535G070
IP Address	10.10.100.254
MAC Address	28:37:2ff1:38:3d

STA Mode

Router SSID	12345678
Signal Strength	0
IP Address	
MAC Address	28:37:2ff1:38:3c

4G Mode

Status	Startup
APN	"iot.1nce.net"
ICCID	89882280666219322751
IMEI	869595065883190
GPS	/
RSSI	-116

ETH Mode

IP Address	172.16.16.16
MAC Address	28:37:2ff1:38:3f

1. Choose a WiFi Network

Press **Choose** and select the customer's WiFi SSID.

2. Enter the WiFi Password

Enter the password carefully (case-sensitive, symbols must match exactly).

3. Select the Authentication Mode

- **WPA2-PSK** - Most common

- **WPA3** - Some modern routers

English 中文
Refresh

SYSTEM

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STA Setting

SSID	<input type="text" value="12345678"/>	Choose	1. Choose WIFI
Password	<input type="password" value=""/>		2. Enter Password for it
Authmodes	<input type="text" value="OPEN"/>		3. Set its encryption, typical WPA2-PSK
WiFi Connect Status	No AP found		
DHCP			
DHCP Enable	<input type="text" value="Enable"/>		
IP Address	<input type="text" value="192.168.5.1"/>		
Subnet Mask	<input type="text" value="255.255.255.0"/>		
Gateway	<input type="text" value="192.168.5.1"/>		
DNS	<input type="text" value="202.96.134.133"/>		
			Save

Leave all other settings unchanged and press **Save**.

Verifying WiFi Connection

Go back to the **SYSTEM** page. If the STA section is empty, press **Refresh**.

- If you see the Router SSID but **no IP address or signal strength** → check the password.
- If you see SSID, Signal Strength, and an IP → connection successful.

Step 5 - Secure the Dongle Access Point

The dongle's local access point is **not secured by default**. You must secure it.

Select **AP Setting**.

Recommended Settings

- **AuthMode:** WPA2-PSK (or WPA3 if preferred)
- **Password:** Set a secure password
- **SSID Hidden:** Optional
- **Channel:** Auto

Do not modify any other settings.

English 中文

AP Setting Refresh

AP Status	Enable
HostName(SSID)	WN2535G070 Dont change
MAC Address	28:37:2ff1:38:3d
Channel	Auto
Authmodes	WPA2_PSK WPA2-PSK
Password	Password1234 Set a password <input checked="" type="checkbox"/> Display password
SSID Hidden	Disabled
Server Setting	
IP	10.10.100.254
Port	8899 DO NOT TOUCH

Save

DO NOT leave the dongle unsecured.

Step 6 - Other Settings

Bluetooth

Bluetooth is enabled by default and used for installer app commissioning.

Bluetooth Setting

Refresh

Bluetooth switch

Note

The AP and BLE functions cannot be used simultaneously. BLE Bluetooth can only be enabled when no device is connected to the AP.

Software Upgrade

This page allows firmware updates for the dongle. **Only update when instructed by GivEnergy**, as factory versions are fully tested.

Upgrade Software	
Software Version	1.2.4.0.061

No file chosen

Final Behaviour - Connection Priority

The dongle follows a connection hierarchy:

- **1. LAN** - Primary connection if a cable is plugged in
- **2. WiFi** - Used when LAN is not available
- **3. 4G** - Backup option for remote diagnostics

4G should **not** be used for routine operation. It is a fallback only.

Setup Complete

[Refresh](#)

SYSTEM

MID	WN2535G070
Software Version	1.2.4.0.061
WiFi Work Mode	STA&AP

AP Mode

SSID	WN2535G070
IP Address	10.10.100.254
MAC Address	28:37:2ff1:38:3d

STA Mode

Router SSID	Inverter2G_WPA3WPA2
Signal Strength	-53
IP Address	172.16.14.47
MAC Address	28:37:2ff1:38:3c

4G Mode

Status	Startup
APN	"iot.1nce.net"
ICCID	89882280666219322751
IMEI	869595065883190
GPS	/
RSSI	-118

ETH Mode

IP Address	172.16.16.16
MAC Address	28:37:2ff1:38:3f

Your AECC dongle is now configured. Once connected via LAN or WiFi, your inverter or gateway should appear online in the GivEnergy Portal within a few minutes.

