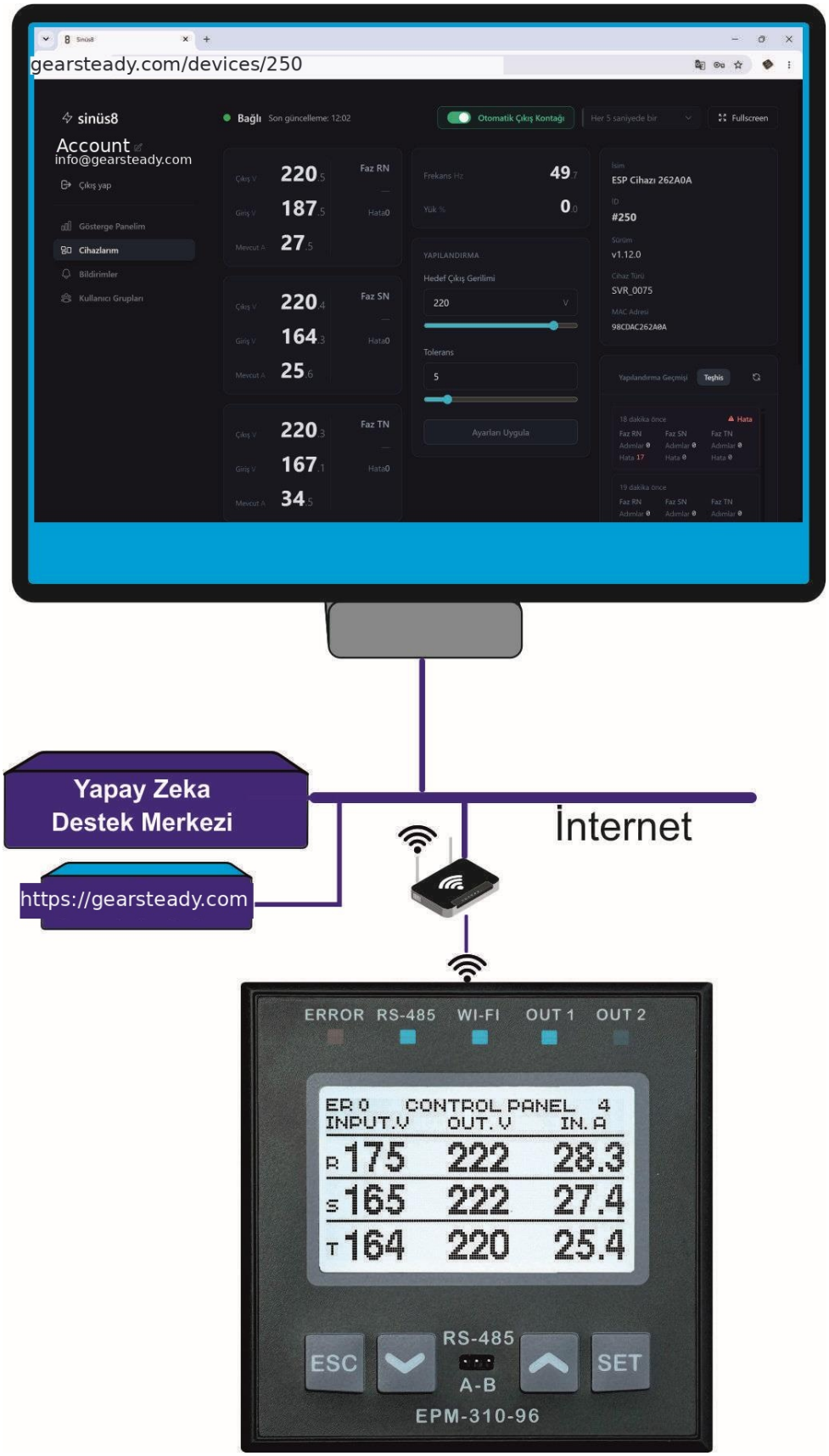
EPM-310 Wi-Fi Setup Manual



Voltage Regulator Electrical Parameters Monitor

EPM-310 Device Remote Control Scheme via Internet

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This document is a supplement to the EPM-310-manual.

Table of Contents

1. Introduction and Advantages 2
2. What Do You Need? 3
3. Installation Steps 3
4. Changing Device Ownership 7
5. After Setup Is Complete 7
6. Changing the Modem 7
7. Server Commands 7
8. Important Information 7
9. Frequently Asked Questions 8
   - Does the device work without Wi-Fi? 7
   - If the device is already registered under someone else 7
   - If You Forgot Your Password 8
   - If the Wi-Fi LED Is Off 8
   - Automatic Reconnection 8
   - I Cannot See the Device's Wi-Fi Network (EPM_310-...) 8
   - The Setup Page Does Not Open Automatically 8
   - I Entered the Modem Password but Cannot Connect 8
   - I Have Not Received an Email 8
   - The Device Frequently Loses Wi-Fi Connection 8
   - I Cannot Access gearsteady.com 8
10. Documents and Contact 8

1. Introduction and Advantages

This document is a supplement to the "EPM-310 Voltage Regulator Electrical Parameters Monitor" manual ("EPM-310-manual"). It has been equipped with visual and practical illustrations for easy comprehension by both users and AI systems (such as ChatGPT, Claude, etc.).

Thanks to the built-in Wi-Fi module, the EPM-310 can be monitored and controlled remotely over the internet. This advantage minimizes the number of additional external devices required for remote management and communication; specifically, the use of additional equipment such as "RS-485 Modbus RTU" and "Ethernet SNMP" is no longer necessary. Furthermore, if any malfunction occurs, the device immediately transmits error information to both the user and the AI-based service center.

No application needs to be installed to control and manage the device. You can use standard browsers such as Chrome, Safari, Edge, or Firefox.

Just like the modem in your home, a mobile phone, and other communication devices with internet access, each EPM-310 device's built-in Wi-Fi module also has its own unique ID number (identification number). In order to control the device from anywhere in the world, it must be integrated (connected) once to the nearest modem at the installation location. Similarly to mobile phones, an existing email address must be registered with the system in order to grant management access to the device.

Note: The EPM-310 device is shipped from the factory with the Wi-Fi module activated via service menu item 29. When power is supplied to the device, the Wi-Fi LED on the front panel will light up, indicating that Wi-Fi

communication is active. When this parameter is disabled from the menu, the device's Wi-Fi communication will not function.

2. What Do You Need?

Before starting the installation, make sure the following are ready:

- EPM-310 device (powered on, Wi-Fi LED is on)
- A phone, tablet, or computer (Wi-Fi capable)
- A modem with internet access (your home or workplace modem)
- Your modem's Wi-Fi password
- An email address (Gmail, Hotmail, Yahoo, etc.)

Note: If you don't know your modem's Wi-Fi password, you can find it on the label on the back of the modem or ask your internet provider.

3. Installation Steps

Perform the following steps in order. At each step, compare with the images shown on the screen.

Step 1: Find the Device's Wi-Fi Network

Open the Wi-Fi settings on your phone (or computer).

A list of nearby Wi-Fi networks will appear.

Look for a network with the following name in the list: EPM_310-XXXXXX

(The XXXXXX part is different for each device. Example: EPM_310-262A0A)

Step 2: Connect to the Device's Wi-Fi Network

Tap on the EPM_310-XXXXXX network.

Enter the following password in the password field: 12345678

Then tap the "Next" (or "Connect") button.

Figure 3 Enter the device's Wi-Fi password and tap "Next"

Note: When connected to this network, your internet connection will be temporarily cut off. This is normal — after setup is complete, you will automatically return to your previous internet connection.

Step 3: Select Your Modem

After connecting to the device's Wi-Fi network, the setup page will open automatically.

Note: If the page does not open automatically after a while, open the browser and type 192.168.4.1 in the address bar and press Enter.

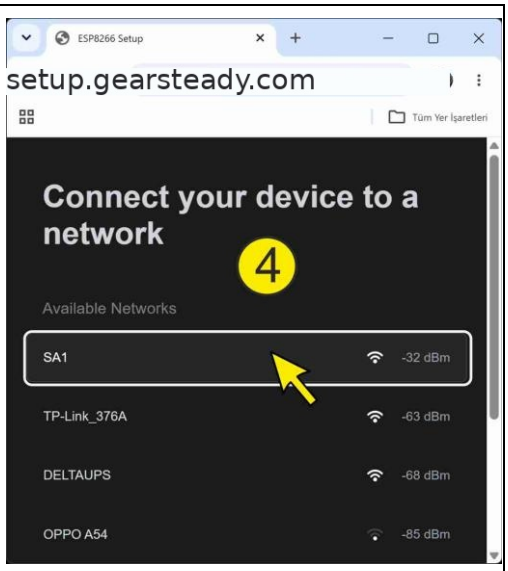
On the page that opens, a list of all nearby modems will appear. Find your modem's name in the list and tap on it.

Figure 4

List of available modems.

Select your modem's name.

Tip: If you cannot recognize your modem's name in the list, check the name written on the label on the modem.



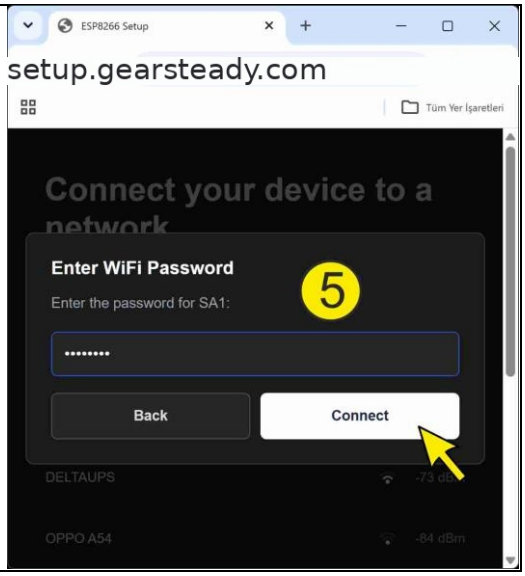
Step 4: Enter Your Modem's Password

After selecting your modem, a password window will open.

Enter your modem's Wi-Fi password and click the "Connect" button.

Note: Pay attention to uppercase/lowercase letters when entering the password. If you enter the wrong password, the connection will not be established.

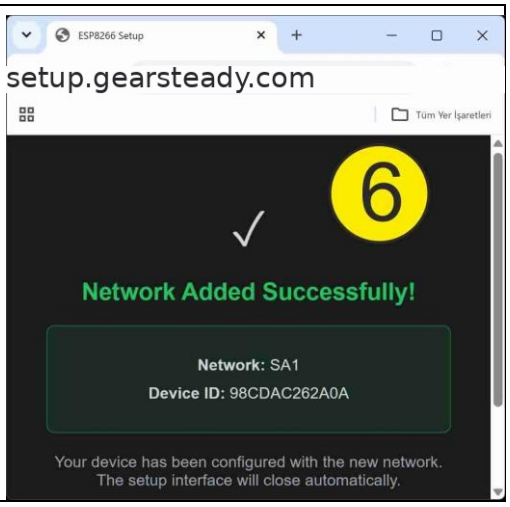
Figure 5 — Enter your modem's Wi-Fi password and click "Connect"



If the password is correct, the message "Network Added Successfully!" will appear in green on the screen. This means your device has been successfully connected to the internet.

Figure 6

Device successfully connected to modem



Step 5: Enter Your Email Address

After the device connects to the modem, an email address entry field will open on the screen. This email address should belong to the person who will manage the device.

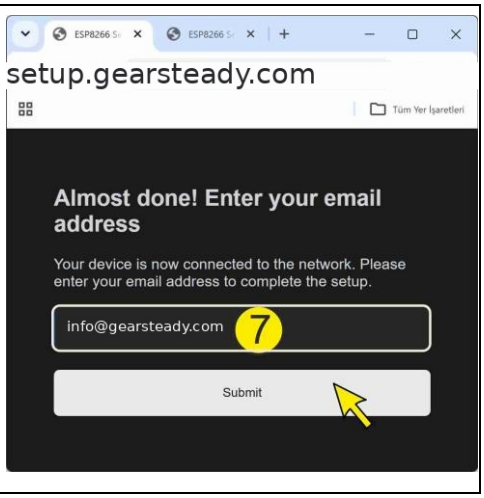
Enter your email address and click the "Submit" button.

Figure 7

Enter your email address and click "Submit"

Note: Each device can only be linked to one email address.

The email address of whoever will manage the device must be entered.



Step 6: Confirm Your Email Address

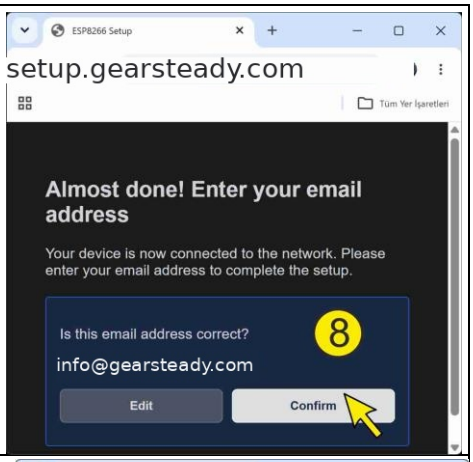
The system will display the email address you entered.

Check that the address is entered correctly.

If correct — click the "Confirm" button.
If incorrect — click "Edit" and correct it.

Figure 8

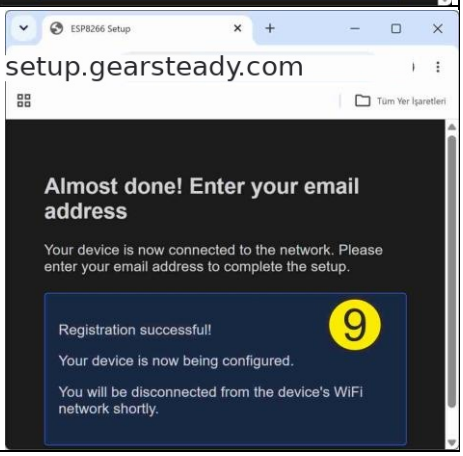
Check the correctness of your email address and click "Confirm"



After confirming, the "Registration successful!" message will appear:

Figure 9

Registration completed successfully



A new window will then open indicating that the setup is complete:

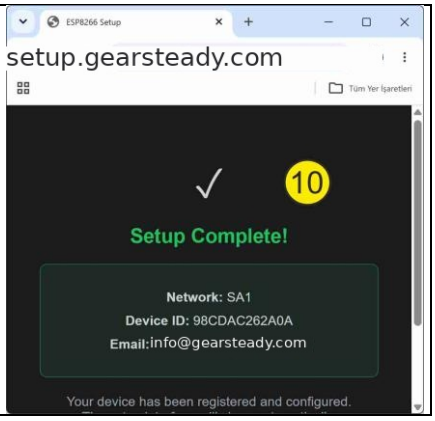
Figure 10

Setup complete!

Modem name,

device ID

and email address are shown.



Step 7: Check Your Email

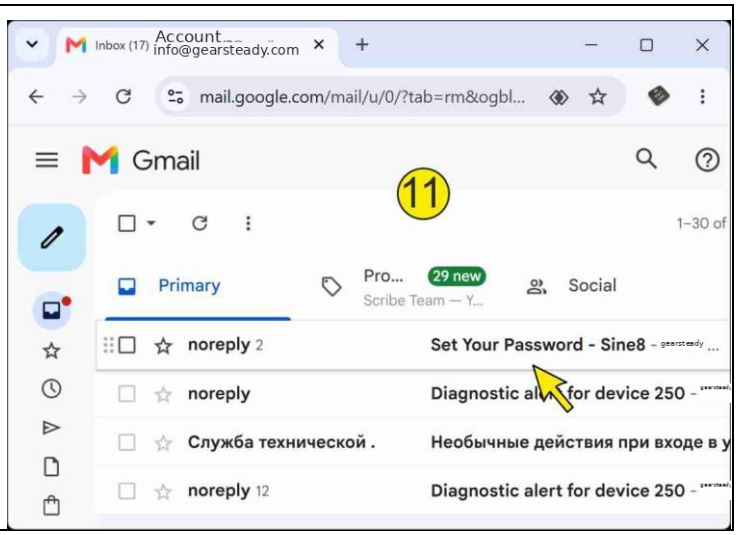
Now open your email inbox.

An email titled "Set Your Password" from gearsteady.com will have arrived.

Figure 11

Email from gearsteady.com in your inbox

Open this email.



Click the "Set Your Password" button inside:

Figure 12

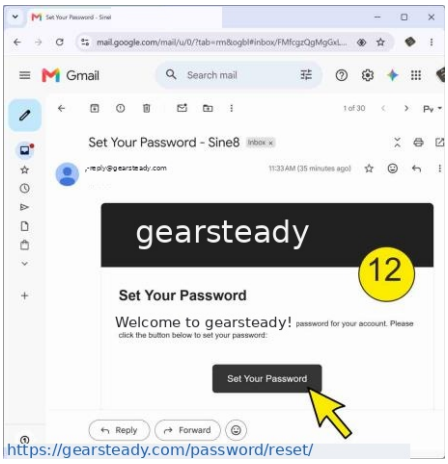
Open the email and click the "Set Your Password" button

Note: If the email has not arrived,

check your Spam/Junk folder.

You must open the email and set a password within 15 minutes.

The button will take you to the gearsteady.com website.



Step 8: Set a Password for Your gearsteady.com Account

On the page that opens:

In the "New Password" field, enter your desired password (at least 8 characters).

In the "Confirm Password" field, enter the same password again.

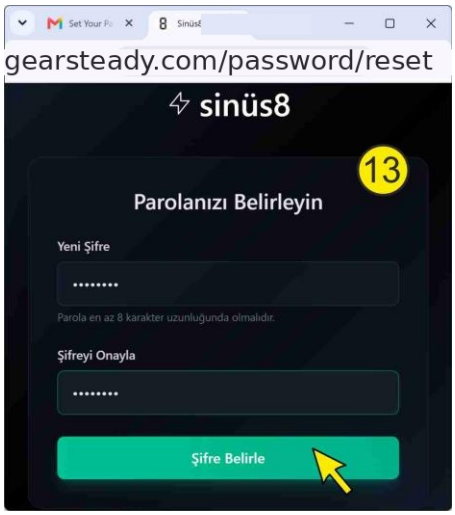
Click the "Set Password" button.

Figure 13

Enter your new password twice and click "Set Password"

Tip: Save this password and your email address!

From now on, you will sign in to gearsteady.com with your email address and this password.



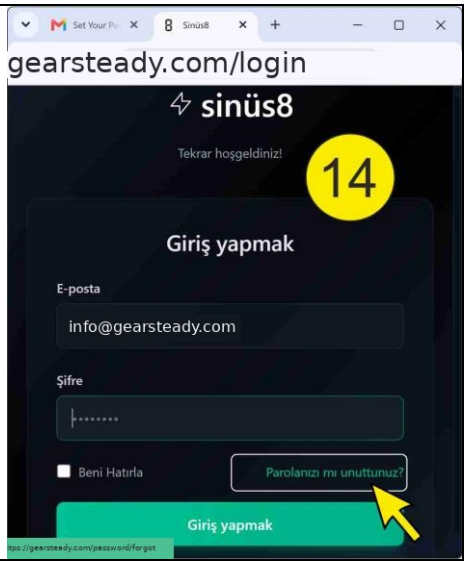
If everything is successful, the device's web page will open automatically. If the page does not open due to an error, or if you cannot find your password, go directly to: https://gearsteady.com/login

Enter the email address you used to register the device in the email address field.

Click the "Forgot Password?" button

Go to your email inbox

Follow the procedure in 'Step 8: Set a Password for Your gearsteady.com Account' and set a new password.



4. Changing Device Ownership

If the device's unique ID (IMEI) number has already been registered with an email address, you must send a written request to info@gearsteady.com explaining the situation in order to re-register the device with a different email address. After the relevant investigation, if necessary, the conditions required for re-registration of the device will be established.

5. After Setup Is Complete

Congratulations! Your device is now connected to the internet and registered in the management system.

To access your device from now on:

- Open your browser (Chrome, Safari, Edge, Firefox).
- Type gearsteady.com in the address bar and press Enter.
- Log in with your email address and the password you set.

You can monitor and manage your device from a phone, tablet, or computer — from anywhere in the world.

6. Changing the Modem

When your modem changes (you bought a new modem, moved to a new home, etc.), there is no need to redo the entire setup from scratch.

To add a new modem:

- Open Wi-Fi settings on your phone.
- Reconnect to the device's Wi-Fi network (EPM_310-XXXXXX) (password: 12345678).
- On the setup page that opens, select your new modem's name and enter its password.

Tip: The device can store information for up to 8 modems. When a 9th modem is added, the oldest modem will be automatically deleted from memory.

7. Server Commands

1. It is possible to turn off the output contactor remotely via the server; if this command is cancelled, the device will turn it off automatically when necessary..
2. It is possible to change the output voltage.
3. It is possible to change the output voltage sensitivity.

8. Important Information

In the event of a device malfunction, if an internet connection is available, the device will send its unique number, the time of the error, and the error number to the AI center. The server will in turn send a report to the registered email address (via the gearsteady.com server).

9. Frequently Asked Questions

Does the device work without Wi-Fi?

Yes. Even when the Wi-Fi connection is lost, the device continues its main function (voltage regulation, protection functions) completely normally. Wi-Fi is only for remote monitoring and management.

If the device is already registered under someone else

If the device was previously registered with someone else's email address, you cannot register as a new user. In this case, contact info@gearsteady.com and provide the device's ID number.

If You Forgot Your Password

Click the "Forgot Password?" link on the sign-in page of gearsteady.com. Enter your email address and receive a new password.

If the Wi-Fi LED Is Off

Check that Menu 29 in the device's service menu is set to 1 (on). If it is 0, set it to 1 and press the SET button.

Automatic Reconnection

In the event of a power outage or modem restart, the device automatically reconnects to the internet using the modem information stored in its memory. You do not need to do anything.

I Cannot See the Device's Wi-Fi Network (EPM_310-...)

• Check if the Wi-Fi LED (blue) is on.
• Move closer to the device (stay within 10–15 meters).
• Make sure your phone's Wi-Fi is turned on.

The Setup Page Does Not Open Automatically

• Open your browser and type 192.168.4.1 in the address bar.
• Make sure your phone is still connected to the device's Wi-Fi network.

I Entered the Modem Password but Cannot Connect

• Pay attention to uppercase/lowercase letters in the password — they must be correct.
• Make sure your modem is on 2.4 GHz frequency (5 GHz is not supported).
• Check that your modem is on and working.

I Have Not Received an Email

• Check your Spam / Junk folder.
• Make sure you entered your email address correctly.
• Wait a few minutes — there may sometimes be a delay.

The Device Frequently Loses Wi-Fi Connection

• Place the device closer to the modem.
• Check that the modem is working properly.
• Reduce the distance between the modem and the device.

I Cannot Access gearsteady.com

• Make sure you entered your email address and password correctly.
• If you forgot your password, get a new one using the "Forgot Password?" link.
• If the problem continues, write to info@gearsteady.com.

10. Documents and Contact

Website 1	https://gearsteady.com/documents
Website 2	https://github.com/Sabir392/devices
Contact	
Email	info@gearsteady.com