

ERA – Electricity Monitoring Assistant

- User Guide -

Release No.	Date	Revision Description
Revision 0	17.12.2021	ERA pre-alpha release

Quick Setup

Account and Device Registration

1. Navigate to the system's web page by following this [link](#);
2. Using the form on the right side provide all the requested information and register a new account;

or create an account if you haven't yet

First Name

Last Name

E-mail

Password

Confirm Password

Select your gender

☐ I have read the [agreement](#)

Register

3. After registering the account, you will be transferred to the main control page;
 - a. If not, use the previous link and login to using the credentials that you have created the account;
4. Navigate to the Manage Devices tab;
5. Click *Add Device* button;
6. In the new form, enter a name for the device (ex. Living Room TV) and the id that is written on your device. Double check for the device id to be correct;

Register Device X

* Device Name:

* Device Id:


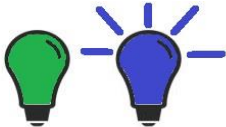
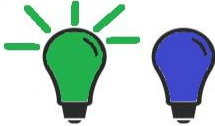
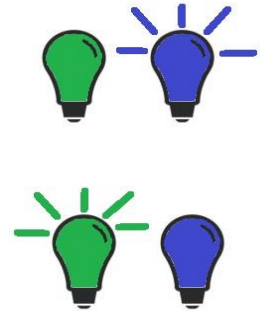
Cancel

Submit

7. After that device will be successfully registered in the system, you can continue with the device setup steps.

Device user-guide:

The device has 2 user lights, green and blue.

	<p>Device booting mode.</p> <p>When both user lights (green and blue) are on then the device is booting</p> <p>NOTE: This booting process can take approximately a minute.</p>
	<p>Device wi-fi setup mode:</p> <ol style="list-style-type: none">1) Connect to SSID: Bachelor_Setup, PASSWORD:esp32setup2) Navigate to "http://192.168.4.1/" on a browser3) Select your wi-fi and provide the password4) Wait for the confirmation webpage to load5) Wi-fi is now setup correctly, the device will reboot and go into device working state. <p>NOTE: Connecting to the webpage can take several seconds.</p> <p>NOTE: See the webserver section for more help.</p>
	<p>Device working state:</p> <p>When the green user light is on, then the device is working as expected.</p>
	<p>Device lost wi-fi connection</p> <p>Alternating blinking pattern means the device cannot connect to the given wi-fi profile.</p> <p>To resolve the issue please unplug and re-plug the device.</p>

Web Server navigation:

Setup page when navigating to 192.168.4.1

Bachelor device IoT energy monitor

First time device Wi-Fi setup/No connection available device Wi-Fi setup.

Select your Wi-Fi ssid, provide your password and press submit.

- ☐ DIRECT-IBDESKTOP-6MNPCN3msRD
- ☐ VIA
- ☐ VIA
- ☐ VIA
- ☐ VIA
- ☐ VIA
- ☐ VIAguest
- ☐ VIAguest
- ☐ VIAguest
- ☐ Your_SSID
- ☐ eduroam
- ☐ eduroam
- ☐ eduroam
- ☐ eduroam

Password:

Your ssid and password information will be saved internally in the device.
Your ssid and password will only be used by the device and is not send externally or available to users/developers.
Deletion of this information is currently not available to users.
The method to delete this information can be provided upon request.

Message in the browser when the WIFI connection is successful.

Successfully connected to WiFi network Your_SSID.

FAQ:

Q: What happens when the WIFI network that the device was setup with, is no longer available/active?

A: When the saved WIFI network is no longer available the device will enter into the setup mode (blue user light on).

Q: Do I need to reconnect the device to the WIFI network when the power is cut?

A: No, when the power is available again to the device, it will try to reconnect to the saved WIFI profile. If unsuccessful, it will enter the WIFI setup mode (blue user light on).