



# EO Mini Pro Installation Guide

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## 1 Introduction

This document details the installation instructions for the EO Mini Pro. It includes:

- How to mount and wire up the EO Mini Pro
- How to connect the EO Mini Pro to the internet

The EO Mini Pro is a joint product made up of a standard EO Mini and the communication infrastructure (called Juicenet) from eMotorwerks. Therefore this document details how to set up and configure both parts.

## 2 Installation Instructions the EO Mini Pro

### 2.1 Physical Installation Instructions

- 1) Remove the EO Mini Pro from the packaging. Undo the 4 screws in the corners, then remove the front faceplate of the EO Mini Pro and keep in a safe place (along with the plastic bungs for the front plate screws).



- 2) Offer the back plate of the EO Mini Pro up to the installation location; make sure the surface is flat and level. Level the EO Mini Pro back plate and mark the position of the 4 holes. Take the EO Mini Pro back plate away and drill the four holes. Do NOT drill through EO Mini Pro back plate or back plate screw holes. We suggest using a 6mm masonry drill bit if affixing to brickwork. Do not screw the back plate to the wall at this point as this will be done later.



- 3) Drill the correct size hole in the bottom of the EO Mini Pro back plate to take the cable gland. Note that cable entry must be from below to ensure weathertightness of the enclosure. Use either a cone drill or a hole saw to cut the hole to the right diameter.



- 4) Fit the cable gland and clean out the EO Mini Pro for dust.



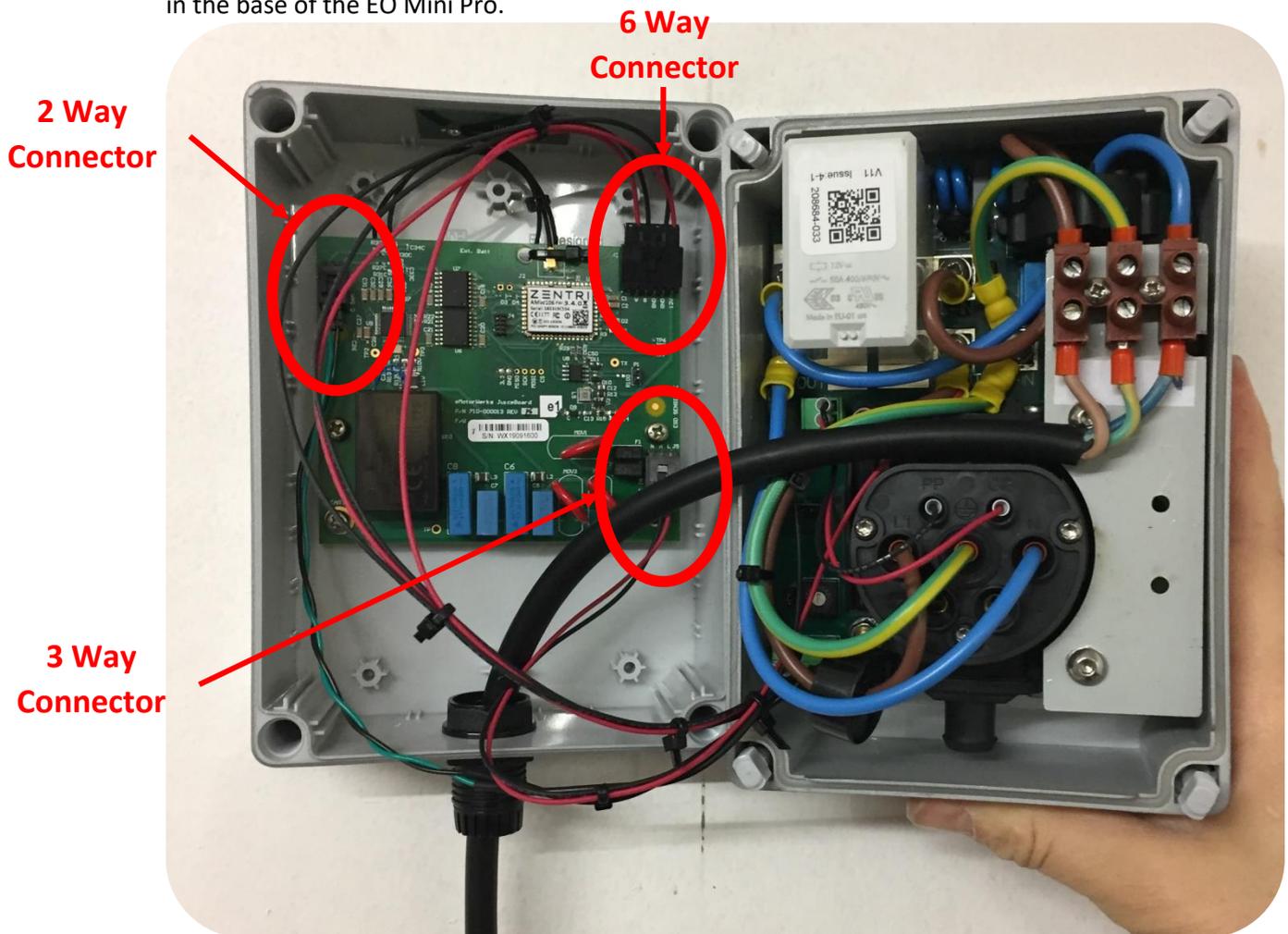
- 5) Use the rotary switch on the EO Mini Pro to select the correct current rating as per the enclosed instructions.



- 6) Attach the EO Mini Pro back plate to the wall using four screws. Ensure that the back plate is the correct way up and that it is flush against the wall. Strip and prepare the power cable – EO recommends crimping ferrules onto the ends of the prepared power cable wire.
- 7) Feed the power cable through the cable gland in the EO Mini Pro back plate and connect to the front plate of the EO Mini Pro.



- 8) Connect the three sets of cables from the front plate of the EO Mini Pro to the circuit board in the base of the EO Mini Pro.



- 9) Position all cables so that you can close the EO Mini Pro front plate to the EO Mini Pro back plate, making sure that no cables are trapped. Secure the EO Mini Pro front plate to the EO Mini Pro back plate. Do NOT over tighten the screws.

Ensure that the 4 plastic bungs are inserted into the screw holes.



## 2.2 Important Installation Information

<b>Characteristics of power supply input</b>	Permanently connected to 230V AC supply
<b>Characteristics of power supply output</b>	Supplies 230V AC to the vehicle
<b>Normal environmental conditions</b>	Can be installed indoors or outdoors
<b>Access requirements</b>	Can be installed with no access restrictions
<b>Mounting method</b>	Stationary equipment intended for surface or post mounting
<b>Protection against electric shock</b>	Class II equipment
<b>Charging mode</b>	Mode 3 charging equipment. Note - Adaptors and conversion adaptors sets are not allowed to be used with the equipment. Cord extension sets are not allowed to be used.
<b>Ventilation during supply of energy</b>	Does not support ventilation during charging

The installer must select the RCD and earthing configuration in accordance with local regulation & best practice.

Where the EO Mini Pro includes DC leakage protection a **Type A RCD** can be fitted at the supply. Otherwise a **Type B RCD** or equivalent should be used. EO recommend a 20A supply rated supply circuit for a 16A charging station and 40A supply for on 32A charging station.

### 3 Connecting the EO Mini Pro to the Internet

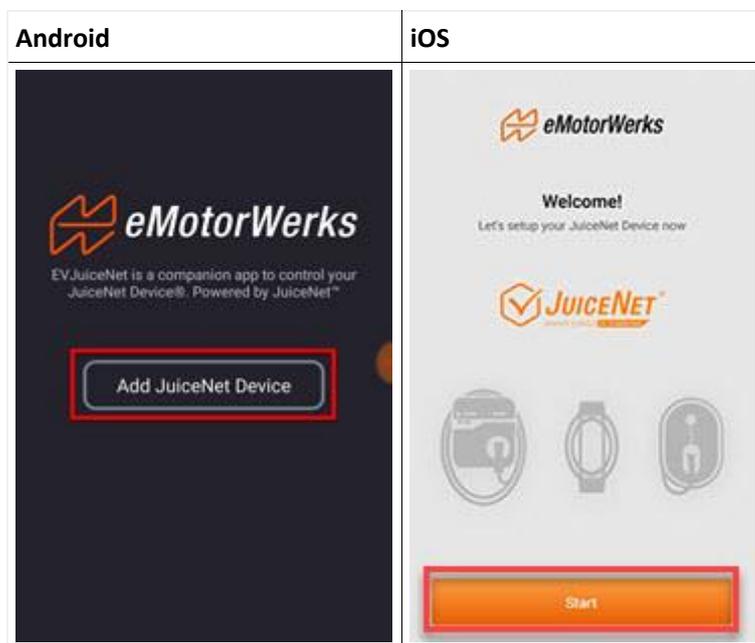
The process for connecting the EO Mini Pro can be summarised into the following steps:

- 1) Download the EV Juicenet app onto a smart phone
- 2) Using the app, connect to the WiFi hotspot created by the EO Mini Pro
- 3) Configure the EO Mini Pro to join a WiFi network with access to the internet

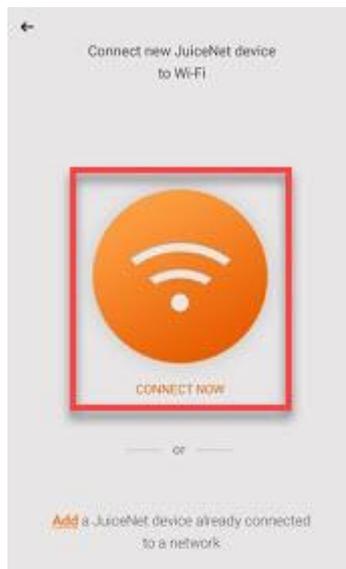
At this point it is possible to view the status of the EO Mini Pro using either the app or through the dashboard on a personal computer.

#### 3.1 Connecting the EO Mini Pro to the Internet

- 1) Install the EV JuiceNet app onto your mobile device.
- 2) Log into the EV JuiceNet app. If you do not have an account, create one.
- 3) Select Add JuiceNet Device on Android devices or Start on iOS devices.



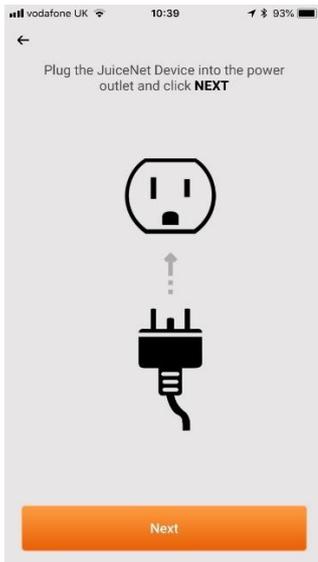
- 4) Select Connect Now.



- 5) Have the WiFi network password ready, then turn off the circuit breaker for the EO Mini Pro. In the app, select Next.

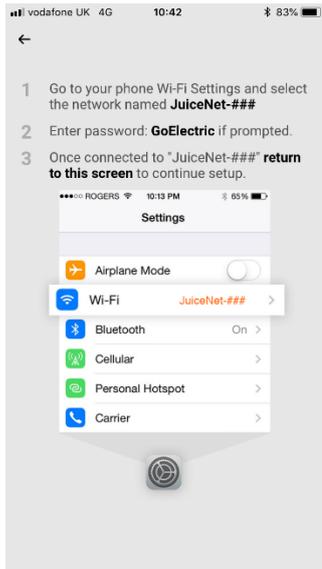


- 6) Turn on the circuit breaker for the EO Mini Pro. In the app, select Next.

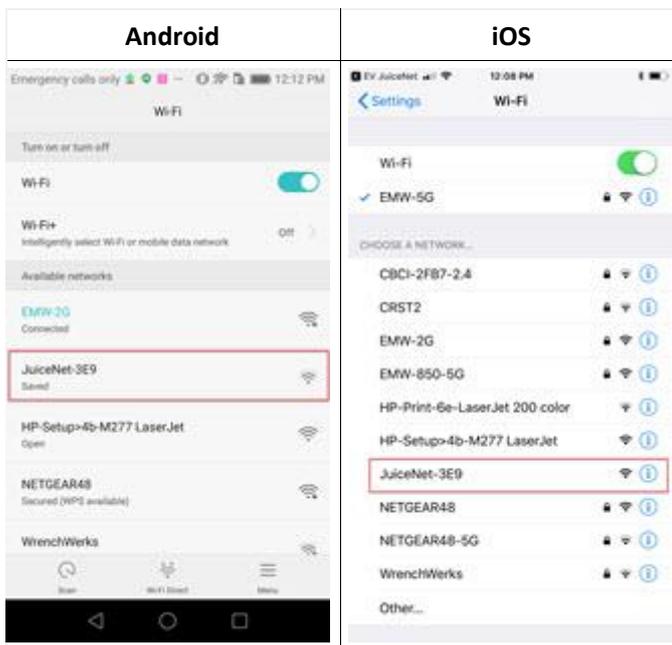


Note: After powering the EO Mini Pro, steps 7 through 9 must be completed within 2 minutes.

7) Connect to the EO Mini Pro's WiFi network.



- a. Navigate to the WiFi settings on your mobile device. Connect to the "JuiceBox-####" or "JuiceNet-####" WiFi network. If the network requires a password, use the password "GoElectric" (case-sensitive).  
 Note: The actual name of the network varies by device, such as "JuiceBox-123".

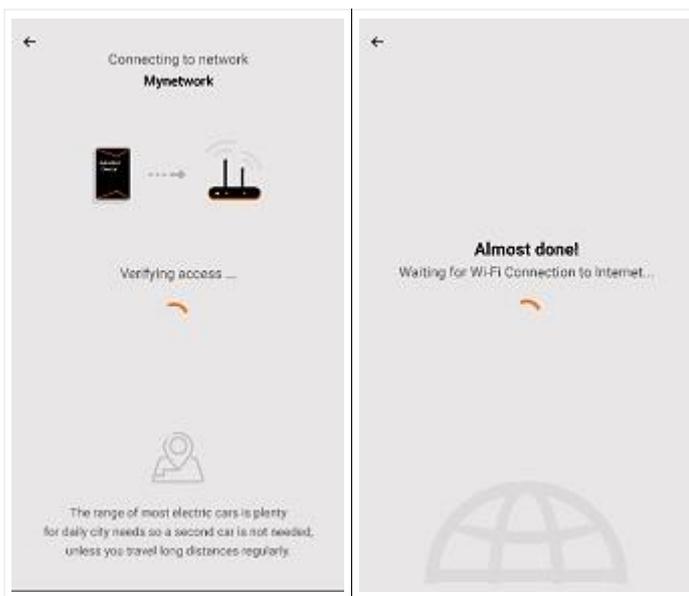


- b. Return to the JuiceNet app.  
 8) In the EV JuiceNet app, select the preferred local WiFi network.

9) Enter the WiFi network password, if necessary, then select Connect JuiceNet device to WiFi.



The app connects the JuiceBox to the WiFi network.



10) After the app confirms that WiFi setup is complete, select Next to return to the app home screen.

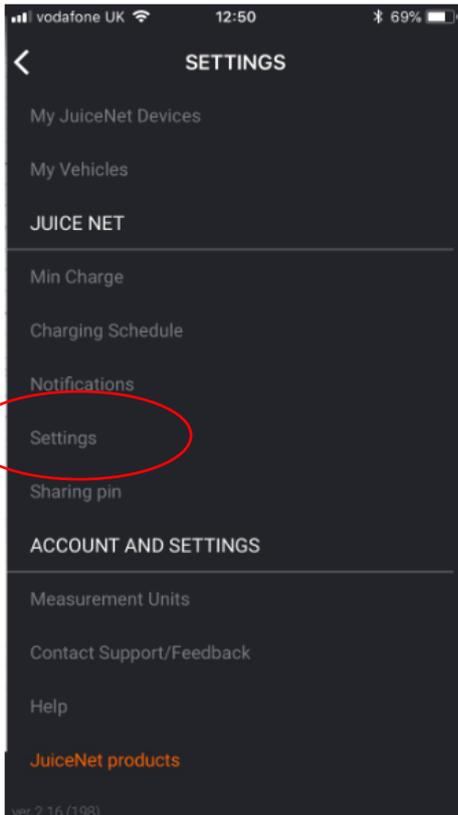


Customize your experience by following the onscreen app instructions to select your vehicle and charging profile, or navigate to the JuiceNet dashboard on a personal computer at [dashboard.emotorwerks.com](http://dashboard.emotorwerks.com).

### 3.2 Configure the maximum current setting on the Juicenet app

**It is important that the current setting on the EO Mini (as defined by the rotary switch) matches the setting on the Juicenet app/dashboard.**

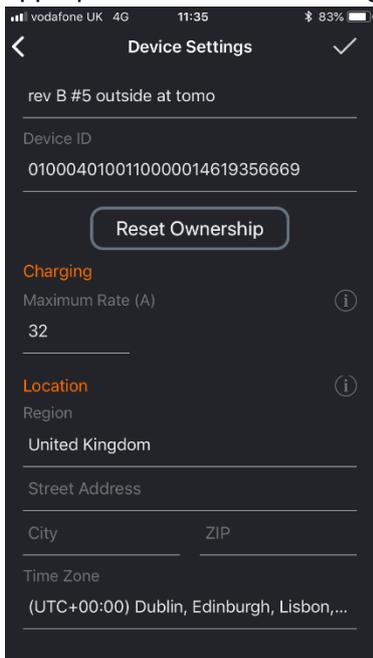
1) Press the three bars at the top right of the app to bring up the settings page.



- 2) Select the settings menu
- 3) Set the maximum current to the same value as the value defined on the EO Mini.

### 3.3 Configure Local Time

By default the EO Mini Pro is set to UTC time. This can cause problems with the scheduled charging if this is not changed. Therefore change from the default "UTC (Universal Coordinated Time)" to one appropriate for the location e.g. "UTS + 00:00 Dublin, Edinburgh, Lisbon, London"



### 3.4 Other Information

For a complete video walkthrough of the app, refer to <http://docs.juice.net/Videos/AppWalkthrough.html>.

Additional installation instructions can be found on line:

<https://support.emotorwerks.com/hc/en-us/articles/360007826631-Connecting-JuiceBox-to-Wi-Fi>

For details on how to use and configure the EO Mini Pro then please refer to the EO Mini Pro User Guide. However, for now the EO Mini Pro is installed and operational. Congratulations!

## 4 Further Technical Support

All EO Charging technical documentation is published in the EO Resource Centre, this is found at:  
<https://www.eocharging.com/service-support/>

The EO Support team can be reached at:

- Email: [support@eocharging.com](mailto:support@eocharging.com)
- Phone: +44 (0) 333 77 20383