

EO Mini Pro User Guide



1. INTRODUCTION

This document details the user instructions for the EO Mini Pro. It details how to use both the charging station as well as the key features of the associated GoElectric App.

Note - It is assumed that:

- The User has the EV GoElectric App (eMotorWerks) installed on a smart phone or has access to the GoElectric Dashboard - <https://dashboard.emotorwerks.com/Portal>
- The EO Mini Pro has been joined to the user's wifi network as per the EO Pro Mini Installation Manual

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2. CONNECTING THE EO MINI PRO TO THE INTERNET

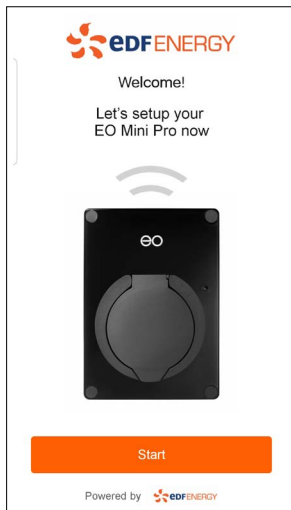
The process for connecting the EO Mini Pro can be summarised into the following steps:

1. Download the GoElectric 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

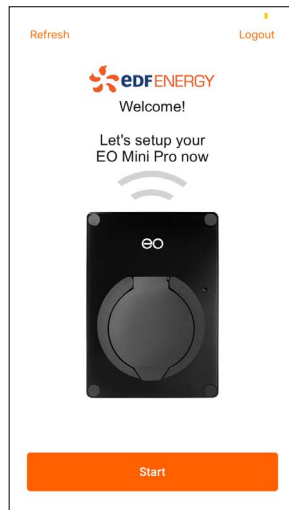
At this point it is possible to view the status of the EO Mini Pro using either the app or through the dashboard on a personal computer.

2.1 Connecting the EO Mini Pro to the Internet

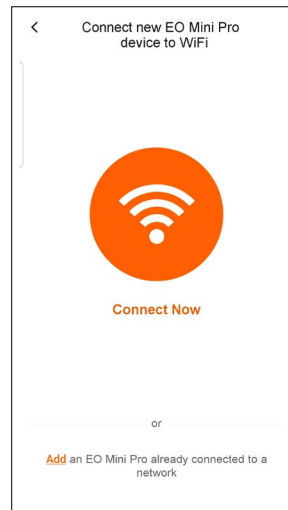
1. Install the GoElectric app onto your mobile device.
2. Log into the GoElectric app. If you do not have an account, create one.
3. Select Add JuiceNet Device on Android devices or Start on iOS devices.



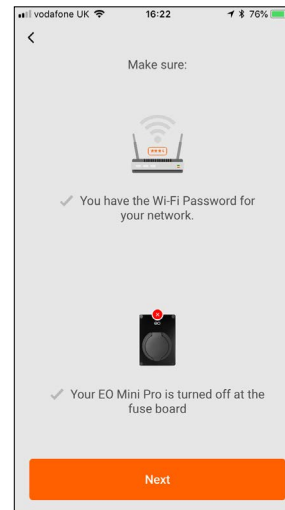
Android



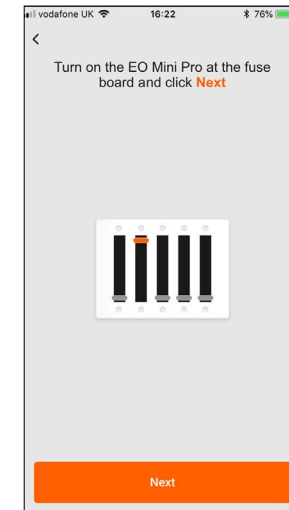
iOS



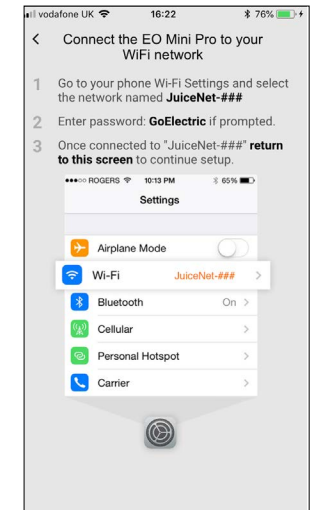
4. Select Connect Now.



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.



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

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

3. CHARGING A VEHICLE

3.1 Starting the Charge

- 1) Ensure that the EO Mini Pro is powered and that the Status LED is pulsing blue.
- 2) Insert the cable into the vehicle first.
- 3) Insert the other end of the cable into the EO Mini Pro.
- 4) The vehicle should start to charge immediately or will charge at the scheduled time.
- 5) Set the charging station configuration options using the app or dashboard – see figure 1.

When a vehicle is plugged into the EO Mini Pro, then the following summary screen is available.

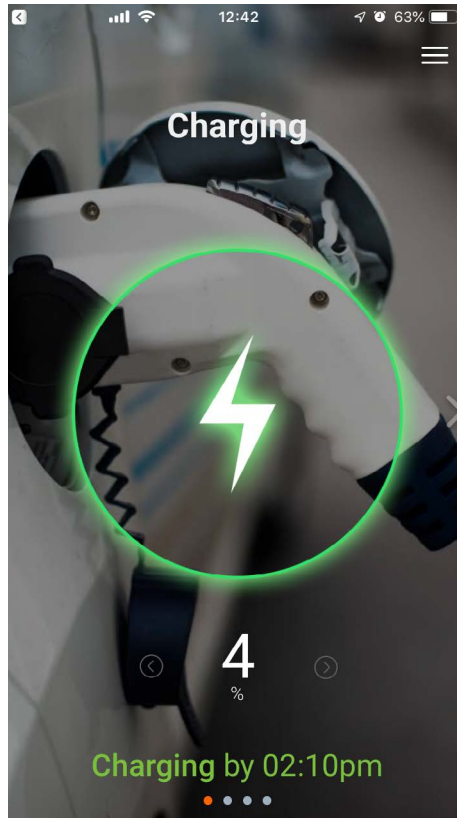


Figure 1 - Summary screen on the App

There are various options available:

Current State of Charge

- a. This is set by the user when the charging session has started. It is represented by the Green inner triangle at 51% in Figure 2.
- b. In order to set the current state of charge, the user must move the green inner triangle to the current state of charge of the battery of the EV when the vehicle is plugged in. This will allow the app to calculate how much energy and time is required to charge up the vehicle

Charge Now

- a. Press this button to start charging immediately. This will override any Smart Charging functionality currently programmed

Smart Charging

- a. The user allows the EO Mini Pro to determine when to start charging. This will charge the car according to the Time Of Use or the minimum charge functionality.

Stop Charging

- a. Press this button to stop the charging session immediately (this will tell the car that no power is available).

Minimum Charge

- a. The Orange line indicates the minimum level of charge that has been defined in the settings of the app.

3.2 Stopping the Charge

- 1) Stop the charging session from the vehicle e.g. unlock the vehicle
- 2) Remove the cable from the vehicle first
- 3) Remove the cable from the EO Mini Pro

If the user swipes right then the Charging Screen is available.

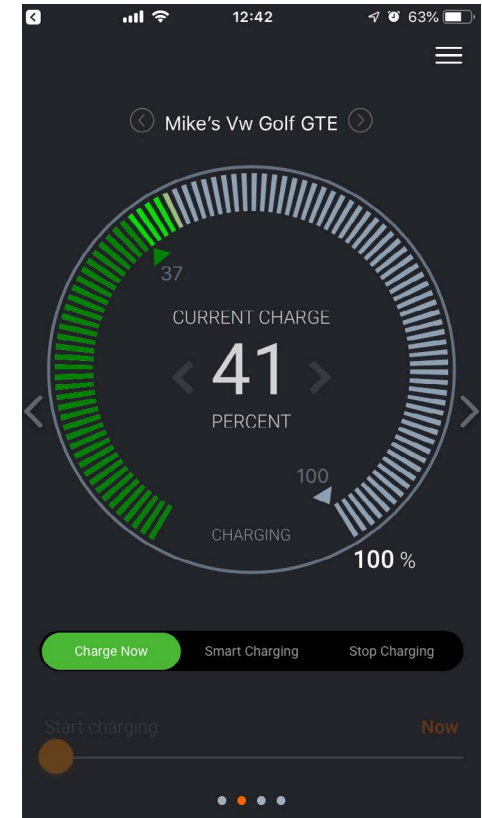


Figure 2 - The charging details

4. CONFIGURING THE CHARGING SESSION OPTIONS USING THE GOELECTRIC APP

There are various options that can be set which can impact the charging session. These are accessible from the three horizontal lines at the top right hand side of the screen shown in Figure 2.

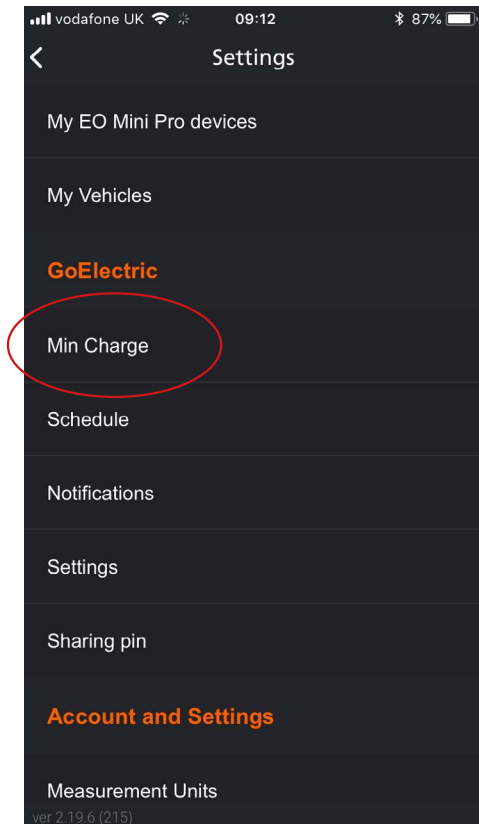


Figure 3 - Settings of the GoElectric App

4.1 Minimum Charge

When a vehicle is plugged in, then the EO Mini Pro will charge the vehicle until the minimum charge level is reached. For example, if the minimum charge value is set to 20% and a vehicle with 10% is connected, then the EO Mini Pro will give 10% charge.

NOTE – this depends on the user defining the vehicle connected and setting the existing state of charge.

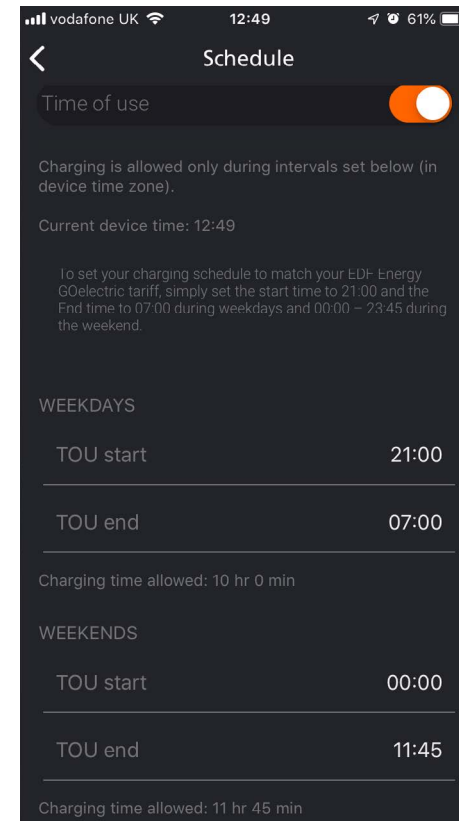
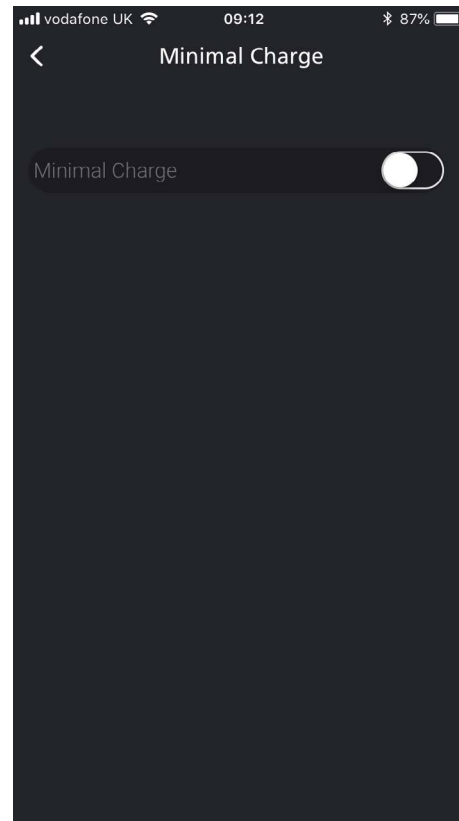


Figure 4 - Time of Use Configuration options

4.2 Time Of Use

It is possible to configure the EO Mini Pro so that it will only charge during certain time periods. This is possible within the Time of Use section.

4.3 Notifications

It is possible to enable the GoElectric app to send notifications via phone or email on the following events:

- Charging Start
 - Charging Stop
 - Charging delayed due to ToU
 - Unit is back online
 - Unit offline
 - Unit is not plugged in by o
- The user can set the app to remind the user if a car hasn't been plugged into the EO Mini Pro by a certain time. This is a handy tool to prevent the user from forgetting to charge their car!

4.4 Settings

In the settings menu it is possible to configure certain parameters such as

- Device Name
- Maximum charging rate
- Location
- Time zone

From this screen it is also possible to reset the ownership if the unit is no longer to be associated with that user.

5. ADDING ANOTHER USER TO THE CHARGING STATION

It is possible to have multiple users control a single EO Mini Pro. Each user would need to download the EV GoElectric App and then join to the particular charging station. It is possible for the primary user to share the Station with a secondary user by the sharing functionality:

- Primary User
 - o Select Sharing Pin from the settings screen

- o A sharing Pin Number is displayed and this needs to be shared with the secondary user

- Secondary User
 - o Select My GoElectric Devices from the Settings Page
 - o Add a New Device

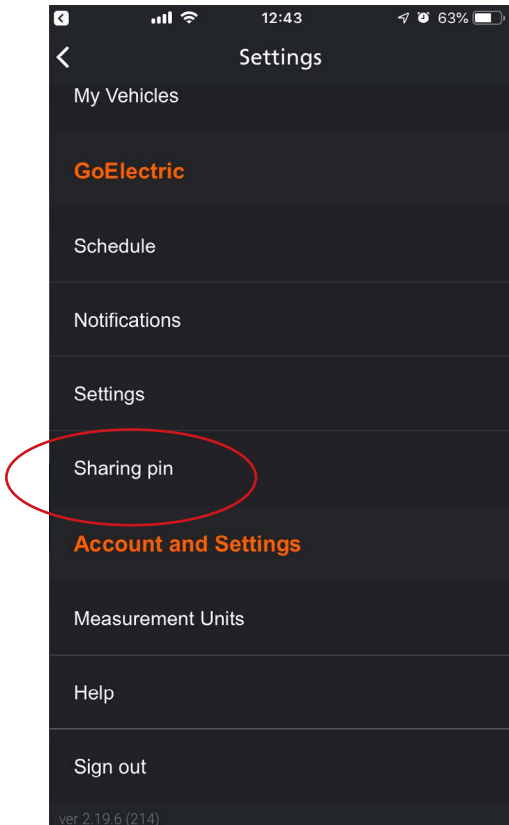


Figure 5 - Sharing Pin

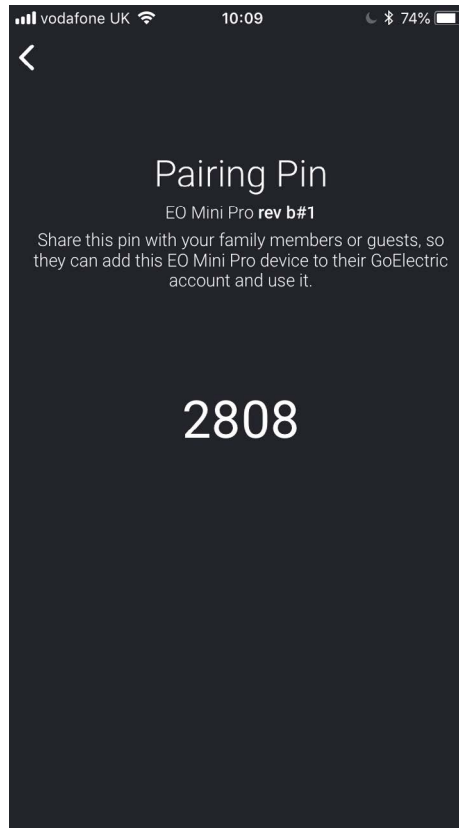


Figure 6 - Sharing Pin Number

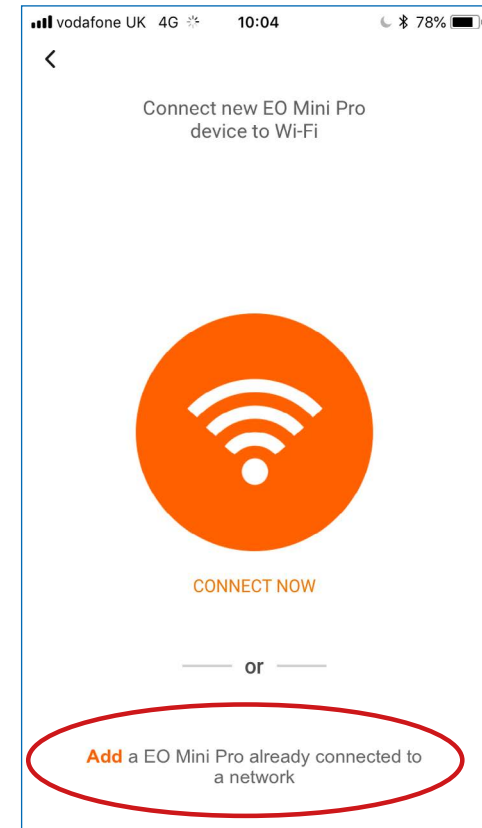


Figure 7 - adding a device to the EV GoElectric App that is already on the network

- o Add a GoElectric Device already connected to a network
- o Select the device that you wish to join and then enter the sharing pin

6. TROUBLESHOOTING

What do the colours of the LED on the EO Mini Pro mean?

- o The LED is an indicator of the state of the EO Mini Pro. For more details please refer to the EO Mini and Basic LED Guide which is on the EO Resource Centre

Is the wifi working on the EO Mini Pro?

- o Firstly, check in the app to see if the mini is connected
- o Secondly on powering up of the EO Mini Pro for the first time, a GoElectric-XXX wifi hotspot is emitted

The EO Mini Pro is not joining the Wifi when installing a new EO Mini Pro using the GoElectric APP.

- o Turn off the EO Mini Pro
- o Turn on the EO Mini Pro
- o Wait for the GoElectric-XXX wifi hotspot to be broadcast.
- o Join the GoElectric-XXX hotspot
- o Using a web browser, go to <http://10.10.10.1>
- o This will then present you with the option to select the preferred wifi to join

The EO Mini Pro keeps dropping out of wifi

- o The Signal strength of the wifi could be too weak to maintain a steady connection
- o The signal strength can be checked by turning off and on the EO Mini Pro
- o Using the app, add a new device and follow the on screen instructions
- o Join the GoElectric-XXX wifi when it is emitted
- o When the wifi options are presented then check the signal strength of the desired wifi. If it is low, then consider boosting the home wifi signal strength using a 3rd party wifi extender.

The EO Mini Pro is not rejoining the wifi

- o It could be that the EO Mini Pro is trying to join the Phone rather than the home wifi.
- o Turn off the EO Mini Pro
- o Turn on the EO Mini Pro
- o On the phone, wait for the GoElectric-XXX wifi is displayed
- o Select “forget this network” on the phone
- o Reboot the EO Mini Pro and check that it joins the home wifi

7. FURTHER TECHNICAL SUPPORT

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

The EO Support team can be reached at:

- Email: edfesupport@eocharging.com
- Phone: **+44 (0) 330 223 1483**