EO GENIUS 2

eo GENIUS

THIRD-PARTY COMMISSIONING GUIDE ←

1.0 ←
INTRODUCTION

This document details the commissioning for the new EO Genius 2.

Only specific pages within the UI require access and potential setting changes. These are discussed in this document.

It is important to note that the information in this document is subject to change without notice as the EO Genius 2 product evolves.

Assumptions are that you have installed the EO Genius 2 and will be commissioning using a mobile device or laptop and ethernet cable.

Option 1.
Charger configuration is carried out by first accessing the unit via its Wi-Fi hotspot.

Option 2.
Multiple Charger configurations can be carried out by connecting them to a LAN.
[refer to section 5.0]

2.0 ←
COMMISSIONING

2.1
WI-FI HOTSPOT

1. On powering up the EO Genius 2, a Wi-Fi hotspot is emitted for a short while allowing connectivity using a mobile device or laptop.

2. The SSID is represented as the unit serial number, eo-xxxxxxxxxxx, and its unique password can be found in the packaging.

2.2
LAN

An alternative method of commissioning each charger can be carried out by connecting one or more chargers to a LAN [Local Area Network]. This method may require permission from the client's IT department or security team as will require a LAN scan to be carried out to identify each charger connected to their LAN. This alternative process is discussed in section [5.0].

3.0 ←
INSTALLATION INSTRUCTIONS FOR THE EO GENIUS 2

3.1
LAN [LOCAL AREA NETWORK] CONNECTION

If the EO Genius 2 is being connected to a company LAN and the device has been assigned an IP address from the DHCP server or GSM router [if applicable], the charger will automatically comminate with its destination on commissioned.

3.2
WI-FI ROUTER

Where Wi-Fi is being used to connect the EO Genius 2 online, it is recommended that the strength and integrity of the Wi-Fi signal is checked prior to installation. If a poor Wi-Fi signal is present, then there is a chance that the installation of the EO Genius 2 may fail or certainly be unstable.

To check that the Wi-Fi signal is strong enough please complete the following steps:

1. Utilise a suitable Wi-Fi analyser, available on mobile devices, to verify signal stability, strength and interference levels.

2. Connect your device to the premises' Wi-Fi router.

3. Measure data rate and ensure it is greater than 5mbs.

4. Stand at the charger installation location, locate the router of choice in the device wi-fi list and measure the RSSI [Received Signal Strength Indicator] value displayed. The ideal value should be below -60 dB.

If the Wi-Fi is not suitable, a couple of options exist.

1. Install a 2.4gHz Wi-Fi booster.

2. Use the hard-wired Ethernet option.

3. Request a charger with the 4G GSM internal modem.

4.0 ←
EO GENIUS 2 USER INTERFACE

4.1
PHYSICAL CONNECTIONS
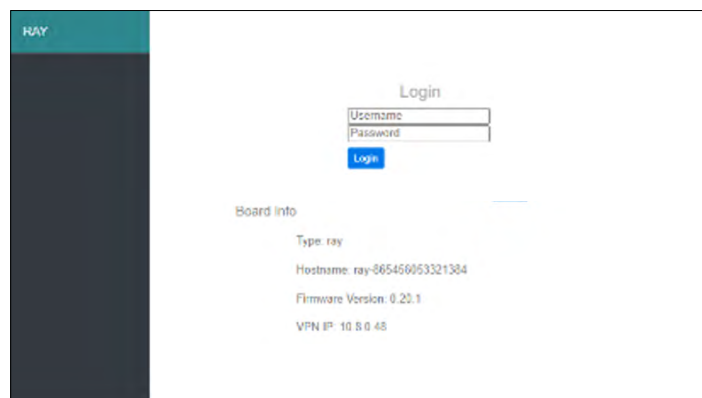
CHARGER INTERFACE ACCESS

The EO Genius 2 has a built-in user interface allowing for the input of required information and commissioning. Steps below describe how to access this interface.

1.   Power up the EO Genius 2.

2.   Using your mobile device or laptop, search for the charger hotspot as described in section [2.0].

3.   Connect to the hotspot SSID using the password provided in the packaging.

LOGIN PAGE

Entering the charger IP address 10.10.10.1 or its unique ID via a web browser will take you to its user interface [UI].

Here you will need to enter the username of installer and password, which is located in the packaging.
Note. Each charger will have a unique password.

INFO PAGE

Once logged in you are presented with the general Info screen showing such details as:

1. Charger ID.

2. IP address.

3. Connection status.

CSMS PAGE

1. The charger online status will display here once commissioned.

2. If your setup requires an OCPP server address enter it here or leave the default value if connecting to the EO Cloud.

3. RFID can be enabled if required.
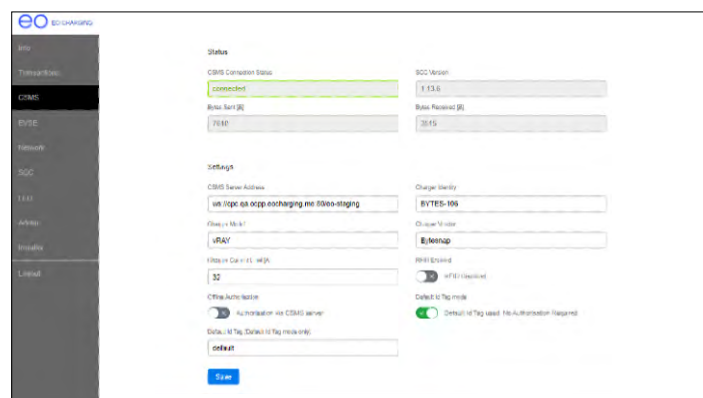
NETWORK PAGE

1. Network status settings are available here for LAN connectivity. In most applications, DHCP assignment will be required however Static IP address can also be set by way of the toggle.

2. If connecting the charger using Wi-Fi, router SSID and password can be entered here.

INSTALLER PAGE

1. Set the required charger output current.

2. Enter your details, name, company and email address are required.

3. Select the phase connection for this charger and save the configuration.

5.0 ←
LAN CONNECTION OPTION

1. Make sure to provision Ethernet cabling from the Main DHCP server or LAN switch to each charger location.

2. An ethernet cable will be required for your laptop for connecting to the LAN and charger commissioning.

3. If connecting to a company LAN, make sure to have the LAN DHCP allocation range details made available for the charger network, for example, 192.168.1.1 to 192.168.1.150

4. For charger discovery on the LAN a software-based IP scanning tool of your choice can be used, alternatively one is available for download by contacting EO Charging.

6.0 ←
EO CLOUD MANAGEMENT
PORTAL SETUP

A client portal is available, and access is via the EO Cloud web portal.

The EO Cloud provides the client with chargepoint management and reporting functions. Please contact EO Charging for further assistance and information on how this can work for you including details required for activation.

7.0 ←
FURTHER TECHNICAL SUPPORT

All EO Charging technical documentation is published in the EO Resource Centre, this is found at
www.eocharging.com/resource-centre/

The EO Support team can be reached at:
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