

OCPP LTE CONFIGURATION GUIDE



1. INTRODUCTION

The Ocular LTE Plus v3 is an AC EVSE system. The LTE ships set up in **“Offline”** mode. In offline mode the charger can be connected to a smartphone via Bluetooth and controlled by the EVSEMaster phone application, which can be found on the Google Play and Apple App Store.



EVSEMaster
Smart Phone Application



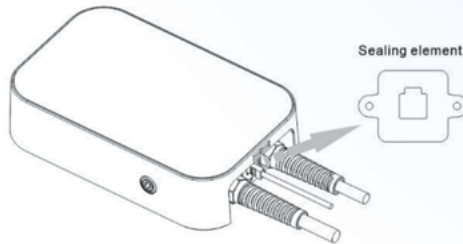
The LTE can also be operated in **“Online”** mode, where the system is connected to the internet via an Ethernet cable, set up on a third-party OCPP server, and operated through that OCPP software providers system. When the charger is configured this way, it can no longer be controlled through the EVSEMaster app.

When the charger is configured to use a third party OCPP server, Ocular technical support is limited to hardware-related issues and any software related enquires should be directed to the OCPP provider.

2. CONNECT THE ETHERNET CABLE TO PROVIDE INTERNET CONNECTION

The LTE OCPP charger connects to the Internet via **Ethernet Connection**. The other side of the ethernet cable need to be plugged into an appropriate internet connector router or switch.

Please follow the steps below to establish a stable Internet connection:



To maintain the IP rating of the charger, the ethernet sealing cover must be used. Do not install the charger in an environment that will be exposed to water without properly fitting the ethernet sealing cover.

To install the ethernet sealing cover, expose the ethernet port by unscrewing the cover. A small hole can be cut into the sealing glad so that the cable can be passed through. After the cable is passed through the RJ45 plug head off the ethernet port can be terminated on to the end of the cable. Plug the ethernet cable into the port and then reattached cover.

3. DOWNLOAD THE OCPP SETUP TOOL APP

Scan the QR code below to download the OCPP Setup Tool. Alternatively, you can search the Apple App Store or Google Play Store for OCPPSetTool.



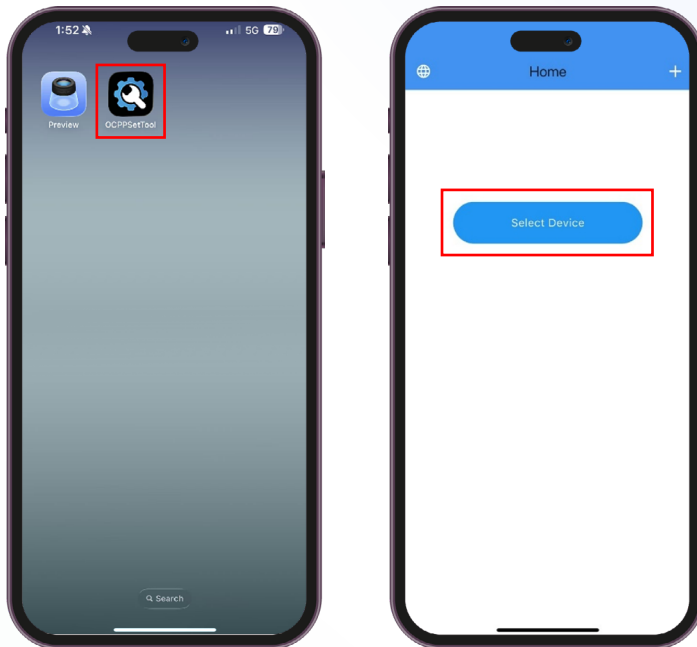
OCPPSetTool App



4. CONFIGURE CHARGER

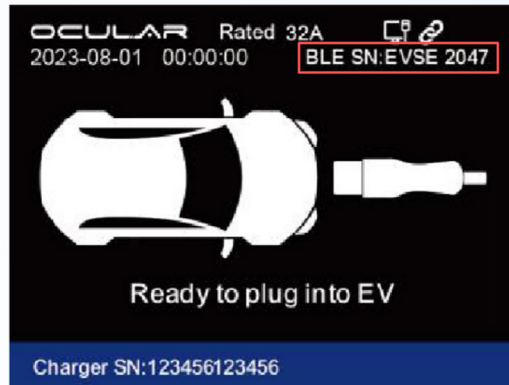
4.1. Turn on Bluetooth and Launch App

- Ensure that **Bluetooth** is **turned on** your mobile device.
- Remain within proximity of the charger to maintain a stable Bluetooth connection
- Launch the **OCPP Setup Tool** application.
- Choose **“Select Device”** to initiate a scan for available charging stations.

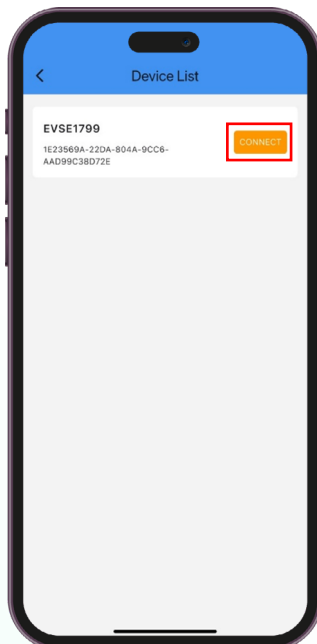


4.2. Select the Charger and Connect

- If multiple devices appear, identify the correct charger by matching the **Bluetooth Name** shown on the **charger's screen**.

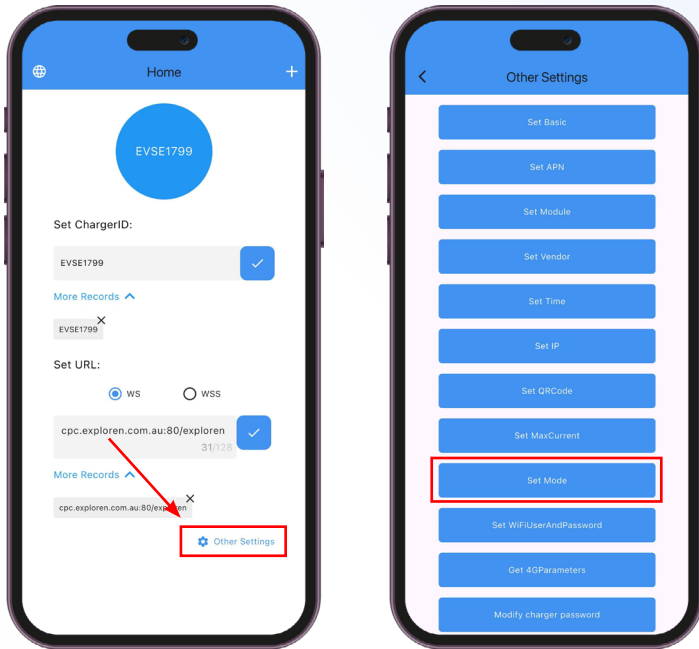


- Choose **“connect”** to establish the connection.

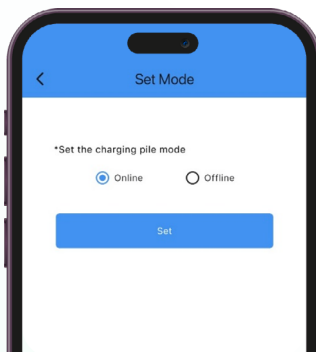


4.3. Change Mode and IP Setting

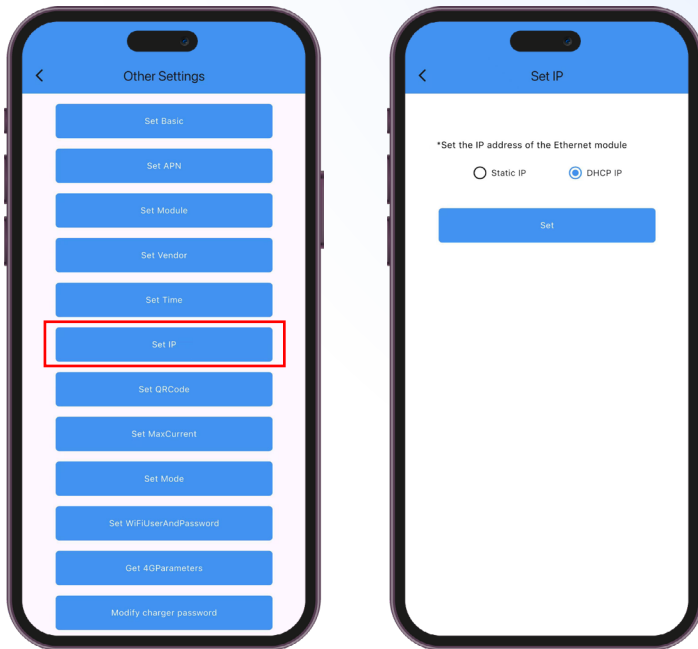
After connecting the charger, the **OCPP settings** screen will appear. Skip this step for now — you can configure the OCPP settings later. Next, select **Other Settings**, then locate and tap **Set Mode**.



- Change the charger from **Offline Mode** (factory default) to **Online Mode**.



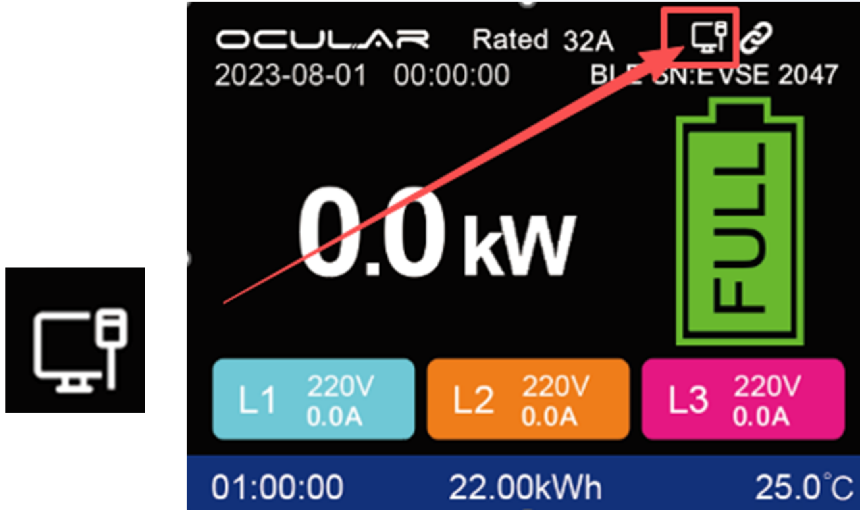
- Then choose **Set IP** and change **IP Settings** from **Static** to **DHCP**, unless a static IP is specifically required.



4.4. Verify Internet Connectivity

After updating the network mode and IP configuration, verify the **Internet connection status**.

Check the **indicator icons** located at the top of the charger display to confirm that the charger has successfully established an Internet connection.



Note:

- If the icon shown above does not appear on the charger's screen, it indicates that the Internet connection was not successfully established. Please check the Ethernet cable connection and ensure your router is functioning properly.
- The **Internet connection must be established before proceeding with the OCPP server configuration.**

4.5. Configure OCPP Settings

After connecting to the charger and establishing the internet connection, enter the **OCPP Charger ID** and **Server URL** provided by your OCPP provider.

The charger supports both **WS** and **WSS** connections.

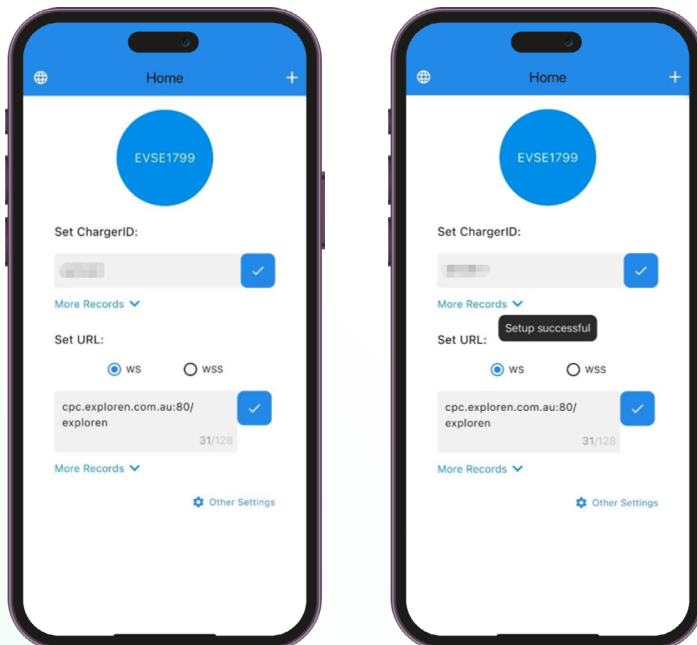
This is the **OCPP server address** where the charger connects.
It typically includes:

- The **protocol type** (ws:// for non-secure, wss:// for secure connections)
- The **server domain name or IP address**
- The **port number** (usually 80 or 443)
- The **endpoint path** (e.g. /ocpp/ws or /v1.6)

The Exploren OCPP platform is used here as an example:

- wss://ocpp.exploren.com:80/exploren

Once the correct information is entered, click the **tick (✓)** next to each field to save it.
The APP will display **“Setup Successful”** once the configuration is saved to the charger.

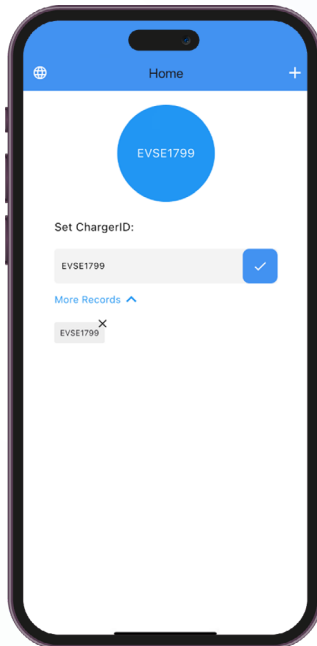


5. CONFIGURE THE 3RD PARTY OCPP SERVER

It is likely that your OCPP provider will need to set up a Charge Point on the server before the LTE can successfully connect to it. Please contact your OCPP provider to ensure that this process has been completed.

To link the charger to the server they will need the ChargerID. You can find and modify this on the home screen. They may ask you to change this to a specific value, or you could provide the default value for them to use.

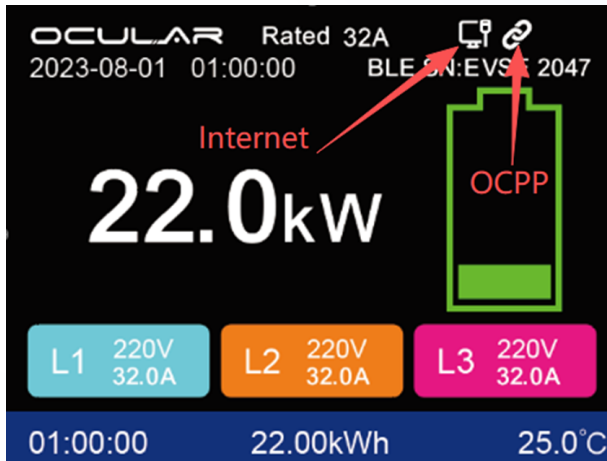
Note, charger will not connect to the OCPP server without these configuration steps being completed.



6. VERIFY CHARGER STATUS

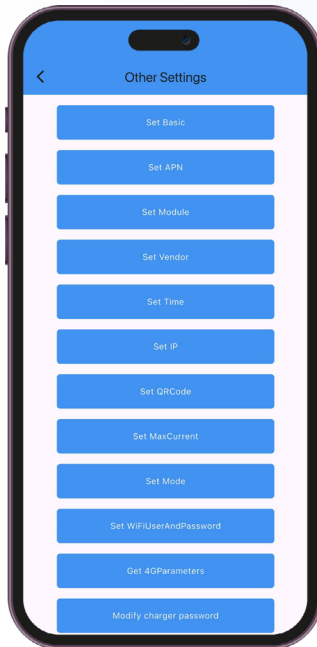
After completing the configuration of both the charger and the 3rd Party OCPP server, it should now come online. Verify the **icons** at the top of the charger screen to ensure that both the **Internet and OCPP server** connections are successfully established. Please refer to the image below.

You should also verify with your OCPP provider that the charger is online and functioning as expected.



7. APPENDIX – DESCRIPTION OF OTHER SETTINGS

There are additional configuration options available under the “**Other Settings**” tab. This section describes the function of each of these settings.



7.1. Set Basic

Enable **plain text authentication** if required. Otherwise, leave it empty.

7.2. Set APN

Not available — feature reserved for **4G functionality which this model does not support.**

7.3. Set Module

Enter the **model's name** of the charger as it should appear on the OCPP server.

7.4. Set Vendor

Enter the **vendor's name** of the charger as it should appear on the OCPP server.

7.5. Set Time

Select the appropriate **time zone** for the charger.

7.6. Set IP

Switch between **DHCP** and **Static IP** mode to connect to the Internet.

7.7. Set QRCode

Set the **QR code** displayed on the charger screen.

7.8. Set MaxCurrent

Set a **maximum current limit** to restrict charging speed.

7.9. Set Mode

Switch between **online** and **offline** mode.

7.10. Set WiFiUserAndPassword

Not available — feature reserved for **wifi functionality which this model does not support.**

7.11. Get 4GParameters

Not available — feature reserved for **4G functionality which this model does not support.**

7.12. Modify Charger Password

Change the Bluetooth password for the charger.

Note: If bluetooth password is changed and forgotten, you will need to contact Ocular support for an unlock code.



OCPP LTE

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