**4G router And Network Configuration**

**via EVSE MESH**

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| Version | BY | Date | Note |
| 1.0 | Bruce | 2021.05.19 | First Edition |
| 1.1 | Gary | 2021.10.08 | Add 4G Router Configuration |

Applicable for

Smart Home Series: AC7000-AE-25, AC011K-AE-25

3G Business Series: AC7000-BE-34, AC022K-BE-34

1. Network configuration via EVSE MESH

**Foreword**

EVSE MESH is an APP for the network configuration of Smart home & 3G Business charger.

Through this app, you can connect your charger to EN-PLUS or your own OCPP server or backend.

**Attention:**

EVSE MESH send l WIFI information to charger by blue-tooth before charger connect to the WIFI(hotpot). The charger will turn off its blue-tooth automatically after connect to local WIFI.



Configuration steps

1. Download and Install APP (IOS or Android)
2. For IOS System: Download APP in App store by searching “EVSE Mesh”.
3. For Android System: Download APP in Google store by searching “EVSE Mesh”.



1. Enable blue-tooth of your smart phone, and then connect to an available **2.4G WIFI**

Note: Your EV charger will be connected to the same WIFI, please choose the one with strong signal to avoid offline.



1. Start the APP and log in ( The account server need to choose “ OCPP Platform ” )

Note: The operator account number and password only provided by EN+, please get it from EN+ team.



1. Add charger to group
2. Follow step A~E to add a charger and repeat step C~H until other chargers added to the same group.
3. Every group support 8 chargers. If there are more than 8, please divided them into multiple groups.

Note: Before network configuration, the charger will advertise blue-tooth signal with the name of charger SN. You can check the blue-tooth signal of Charger in you cellphone, but it doesn’t need to connect the blue-tooth directly.

If you can’t find the blue-tooth, please reset the charger by keep pressing reset button more than 5 seconds.

 

A. Click “” to next step.

B. Click “**Add New Charger Group**” to create a new group.

C. Click “” to add a charger into the group.

D. There are 2 methods to add charger SN into the group:

D1: Click “**Manual**” to searching charge’s blue-tooth

D2: Or click “**Scan**” to scan QR code on the charge

E. Choose the relative charger SN and click “**Confirm**”





F. Input wifi password and a self-defined group name, and confirm.

G. After remind “synchronize complete”, means charger connected to wifi, and the interface will go back to group automatically.

H. When charger connects to server successfully, the interface will show as picture H shows.



1. OCPP server setting

 means charger still doesn’t connect to a OCPP server.

Follow the steps below to make the sever setting:

1) Click the “ ” at upper right corner and choose “Server Information “.

2) Choose “OCPP Platform” (EN+ platform)

Or “Customize”, input your server information and click “Confirm”.

For example:

OCPP URL: wss://ocpp.dev.en-plus.cn:33033/test/SN12345678901234

Setting:



1. 4G Router Fast Guide

Foreword:

4G router is an optional internet access device installed in the charger, which can provide a 4G internet access point for the charger. If there is not a local wifi access point at installation site, 4G router can be your choice.

Usually the charger isn’t connect to the 4G router when factory out. Please follow the steps to connect charger to the 4G router.

1. Insert a 4G SIM Card into the SIM card port at the edge of the 4G router.

Note: Please make sure your SIM card is valid and internet service active before installation.



1. Connect your smartphone to the wifi of the 4G router

Wifi Name: WiFi-\*\*\*\*, (\*\*\*\* is the last 4 digitals of the router MAC)

Password: 12345678.



1. Log in to the setting page of the 4G router

Input 192.168.10.1 (IP of the 4G router) in your smartphone browser:

Account: admin

Password: admin



1. Router mode setting, the 4G router can work in 4G router mode or standard wireless router mode.

Please set it to corresponding mode according to your need.

* 1. 3/4G mode wireless router mode

In this mode, the local 3/4G network of the SIM card acts as the internet access point of the 4G router.

Click “Mode” in navigation bar, choose “3G/4G wireless routing mode” and apply. After “apply” the 4G router will reboot and switch to 4G mode.

* 1. Standard wireless router mode

In this mode, connect the 4G router to the LAN port of your local router by RJ45 cable, that is, the 4G router acts as a secondary router of your local router.

Click “Mode” in navigation bar, choose “Standard wireless routing mode” and apply. After “apply” the 4G router will reboot and switch to standard wireless router mode.



1. If you find your cellphone connected to internet via the wifi of 4G router, means 4G router already online, or click status to check the 4G router running status.

Make sure 4G router is online, then connect the charger to OCPP platform via the wifi of 4G router according to [Part I](#PartI).