CLENERGY EV
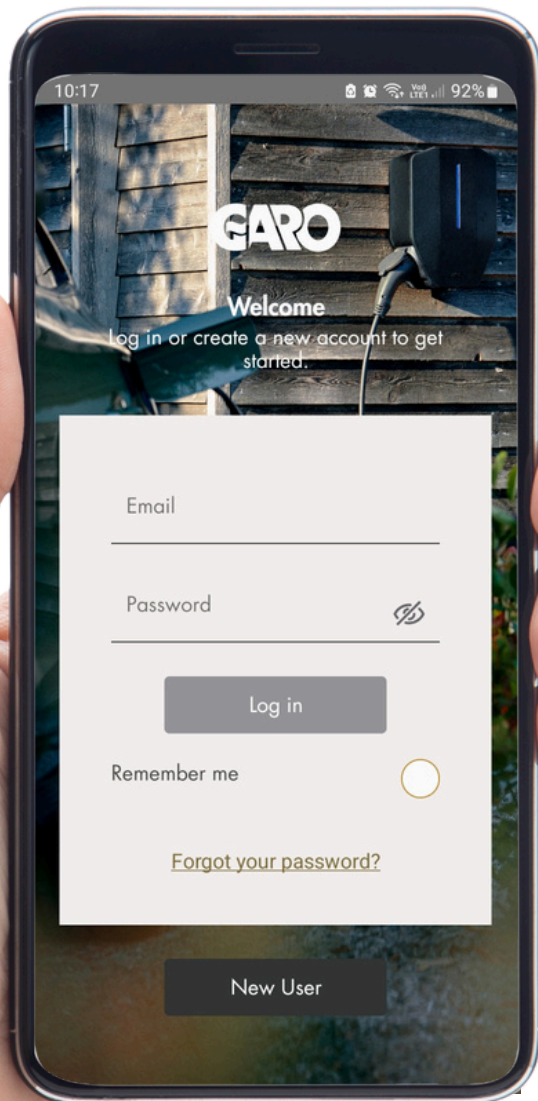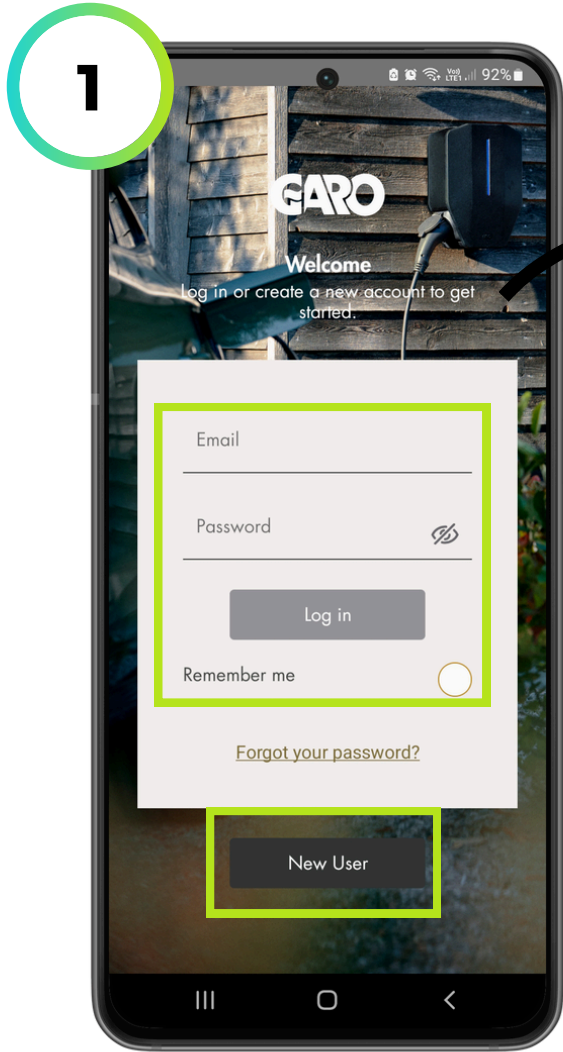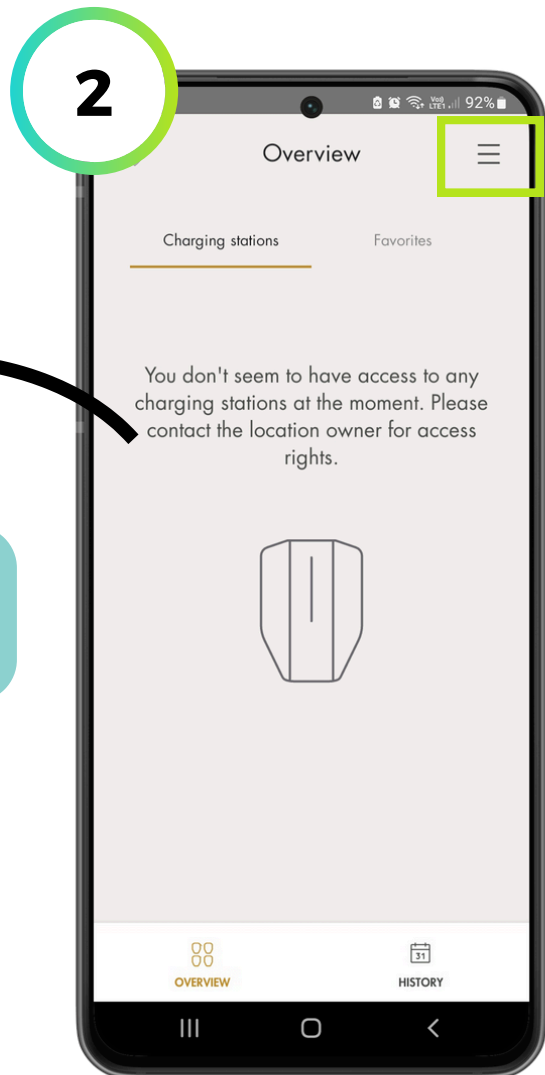
Garo Entity Pro
Clenergy EV Platform Onboarding Guide

- Download the **Garo Connect** app for your device.

CLENERGY EV

1

1. Install and open the Garo Connect app on your device.
Select **New User** and follow the registration process or log in if you have previously registered.

2

Overview

Charging stations   Favorites

You don't seem to have access to any charging stations at the moment. Please contact the location owner for access rights.

2. On the **overview screen,** select the **menu** in the top-right corner of the screen**.**

OVERVIEW   HISTORY

CLENERGY EV

3

Log out   ✕

Overview

User settings

Owner   ⌄

Installer   ⌃

👷 Installers menu   ⟩

Need help? Contact our support
Our terms of use
About the app

GARO
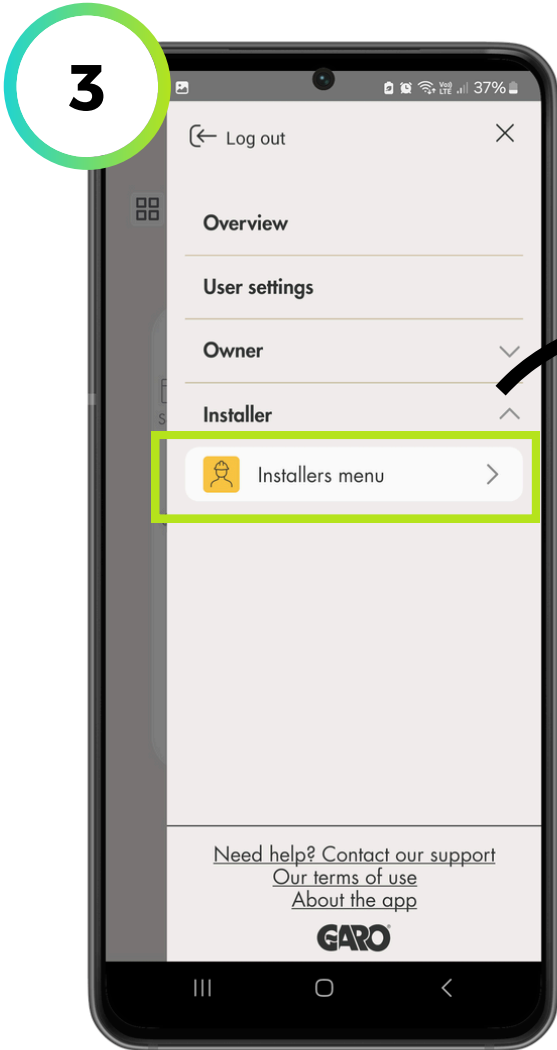
3. Select Installers Menu to proceed.

4

Create new location

Location name *
Choose the name for the location, e.g. the address, name of the apartment or customer.

e.g. GARO

Street address

e.g. Baker Street 221B

City

e.g. London

Coordinates

Latitude   Longitude

◯ I verify that I'm a certified electrician and am allowed to install a charging station, according to national regulations
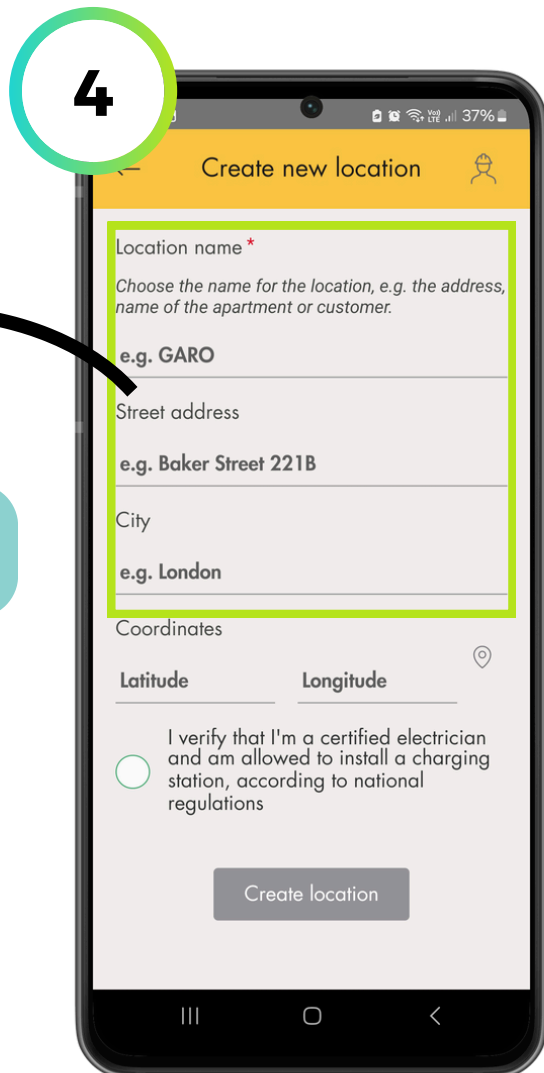
Create location

4. Enter the **site address details** as required into the relevant fields.

CLENERGY EV

5

Create new location

Location name *

Choose the name for the location, e.g. the address, name of the apartment or customer.

e.g. GARO

Street address

e.g. Baker Street 221B

City

e.g. London

Coordinates

Latitude   Longitude

I verify that I'm a certified electrician and am allowed to install a charging station, according to national regulations
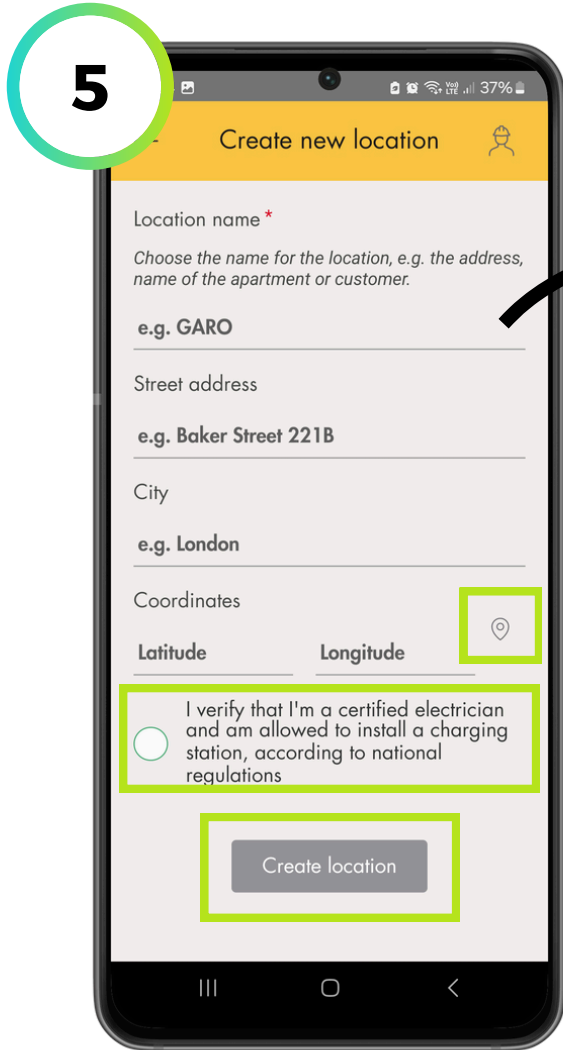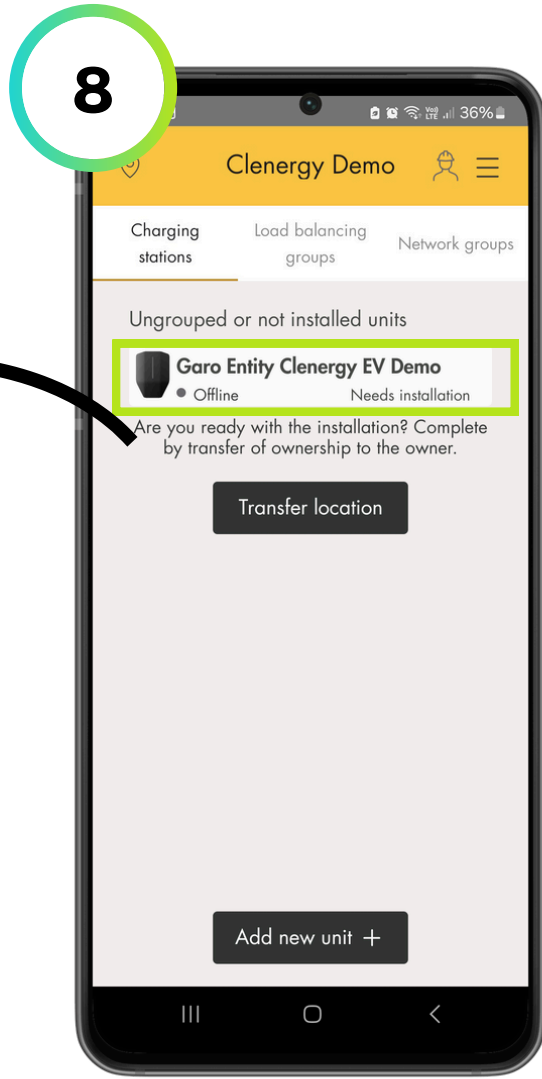
Create location

5. Set the coordinates by selecting the icon on the right-hand side of the screen and **tick to acknowledge the disclaimer.**
Select **Create location** to proceed.

6

Clenergy Demo

Charging stations   Load balancing groups   Network groups

Add a unit that should be connected to the internet first
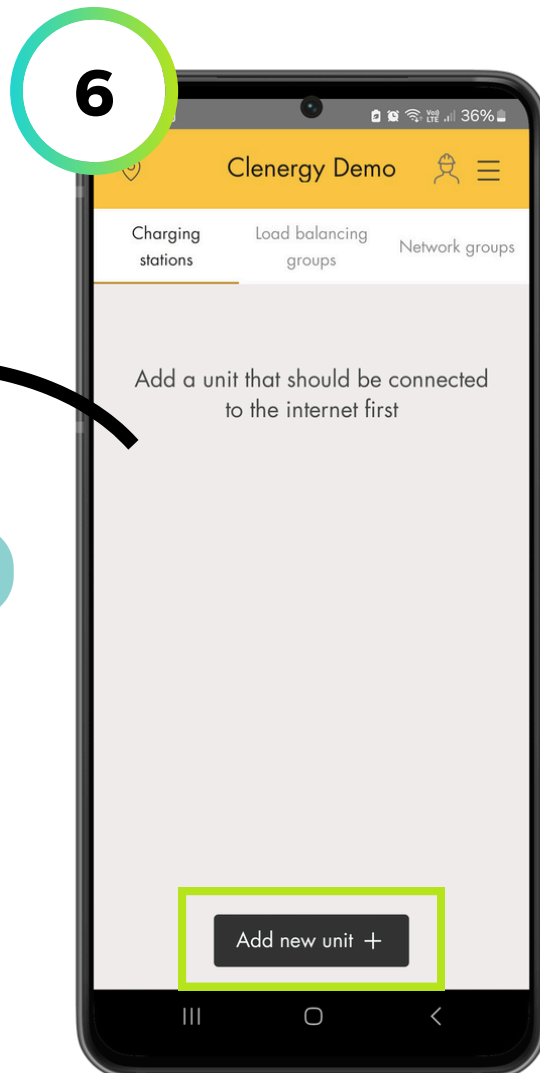
Add new unit +

6. Select **Add new unit +** to proceed.

CLENERGY EV

7

Add new unit

Device name

GARO Entity ▼

Add new unit

7. **Enter the device name** and select **Add new unit.**

8

Clenergy Demo

Charging stations | Load balancing groups | Network groups

Ungrouped or not installed units

Garo Entity Clenergy EV Demo
● Offline   Needs installation

Are you ready with the installation? Complete by transfer of ownership to the owner.

Transfer location
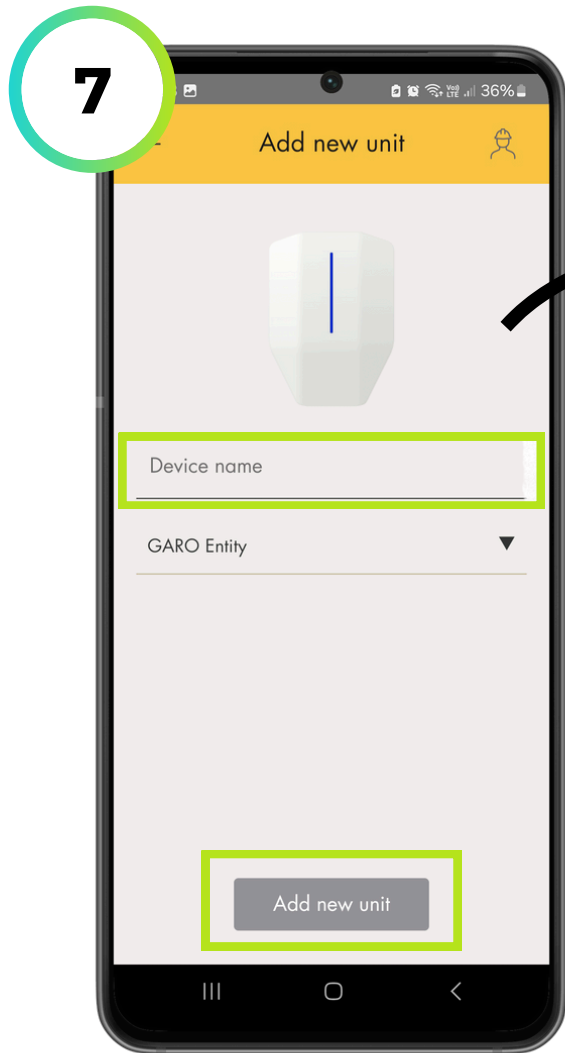
8. **Select the charger** you wish to onboard to proceed.

Add new unit +

CLENERGY EV

9

Garo Entity Clenergy EV Demo
Installation progress: 0 /5

To connect to the Garo Connect app, the first device installed in a new group must be connected to the internet via Ethernet, Wi-Fi or 4G.

Note, if only one unit is to be installed at a location, a group will be created for future needs.

I have understood

Delete the unit
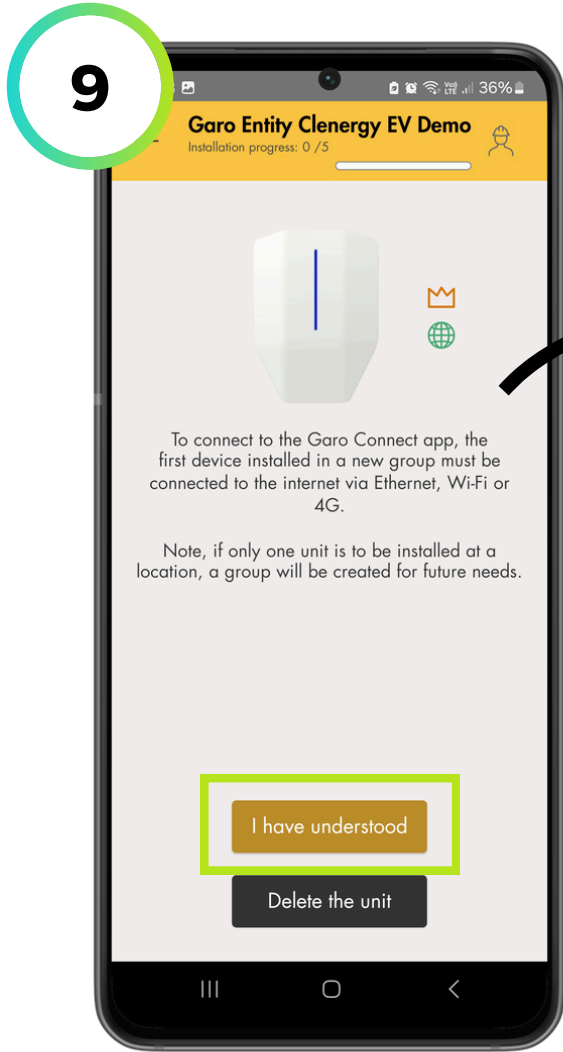
9. Read the information regarding the internet/grouping and select **I have understood.**

10

Garo Entity Clenergy EV Demo
Installation progress: 0 /5

Each unit that is installed belongs to a group. This applies to the installation of individual units.

Group name

This is required

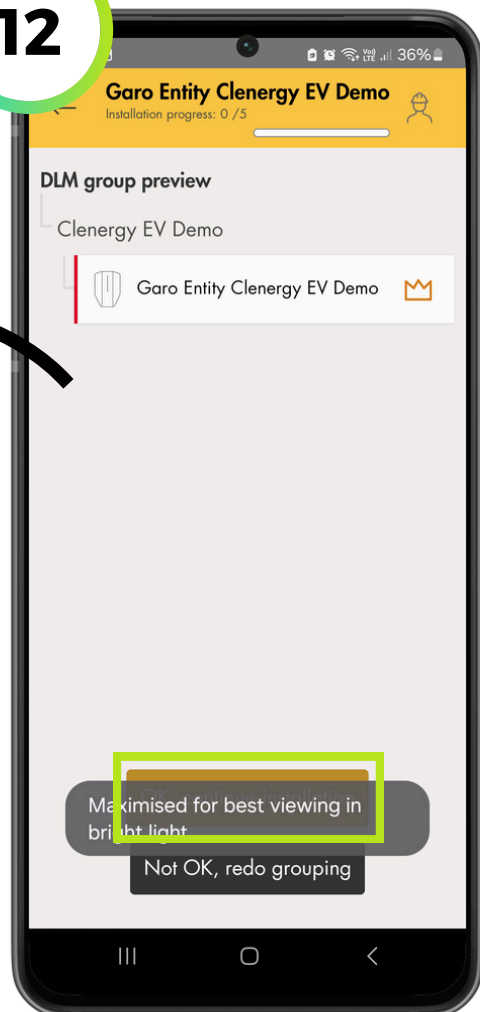Group/Charging station max current (A)

This is required
(6 - 6000 A)
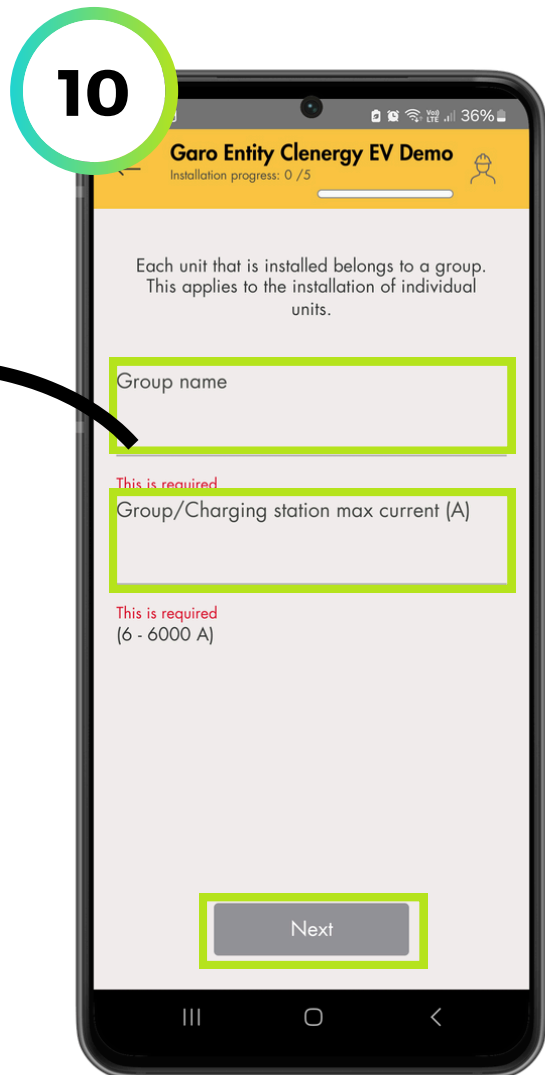
Next

10. Enter the relevant details into the **Group name** and **Group/Charging station max current (A)** fields.
Select **Next** to proceed.

CLENERGY EV

11

Garo Entity Clenergy EV Demo
Installation progress: 0 /5

Select how to access internet

Ethernet

Wi-Fi

Modem

Save and continue installation
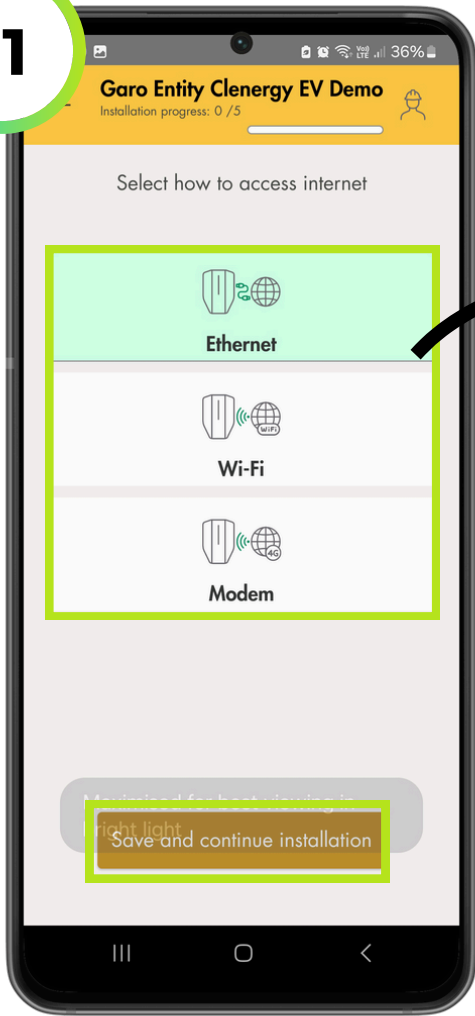
11. Select the **required network type** required for your installation then select **Save and continue installation.**

12

Garo Entity Clenergy EV Demo
Installation progress: 0 /5

DLM group preview

Clenergy EV Demo

Garo Entity Clenergy EV Demo

Maximised for best viewing in bright light

Not OK, redo grouping

12. Select **OK, continue installation** to proceed.

7

CLENERGY EV

13

-Garo Entity Clenergy EV Demo ⚙

Not connected
Wifi

Progress   1 / 5

Continue installation

Grouping   ⊘
Completed

Grid connection   →
Waiting for installation

Installation bracket ID
Waiting for installation

(!) Power on the unit and wait for the green light

Communication settings
Waiting for installation

Declare installed
Waiting for installation

13. Select **Continue installation.**

14

Grid connection
Garo Entity Clenergy EV Demo   ⚙

Installation bracket max current (A) ⓘ

16

Number of enabled phases for bracket

| 1-phase | 2-phase | **3-phase** |

Phase rotation for bracket

0.RST

TN400V phase rotation

Bracket				
PE	L1	L2	L3	N
PE	L1	L2	L3	N

Restore default

Installation manual ?

Maximised for best viewing in
bright light
Grid connection tested OK, confirm
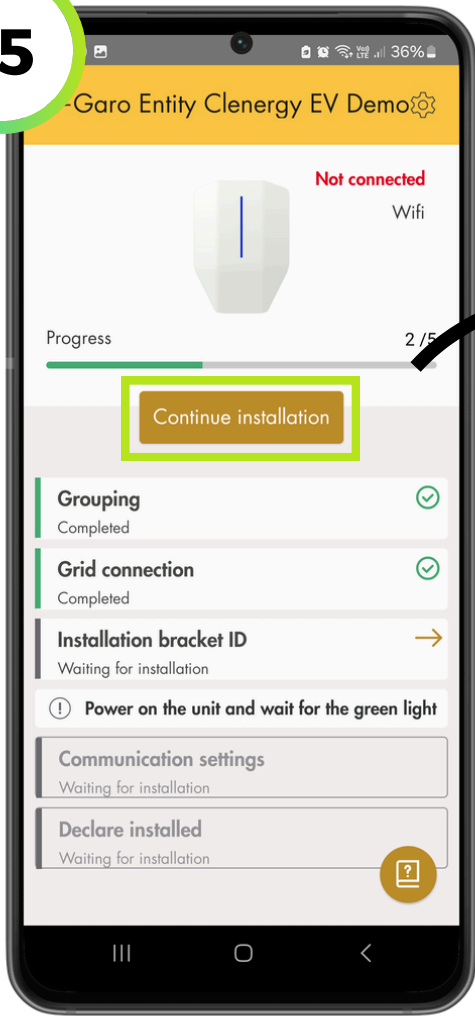settings and proceed

14. Configure the **grid connection parameters** as required for your installation.
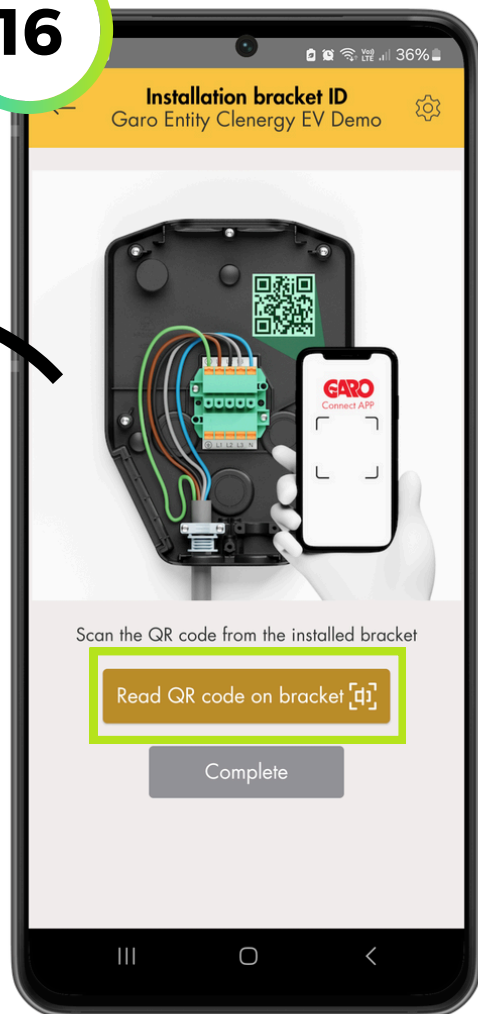Select **Grid connection tested OK, confirm settings and proceed** when correctly configured.
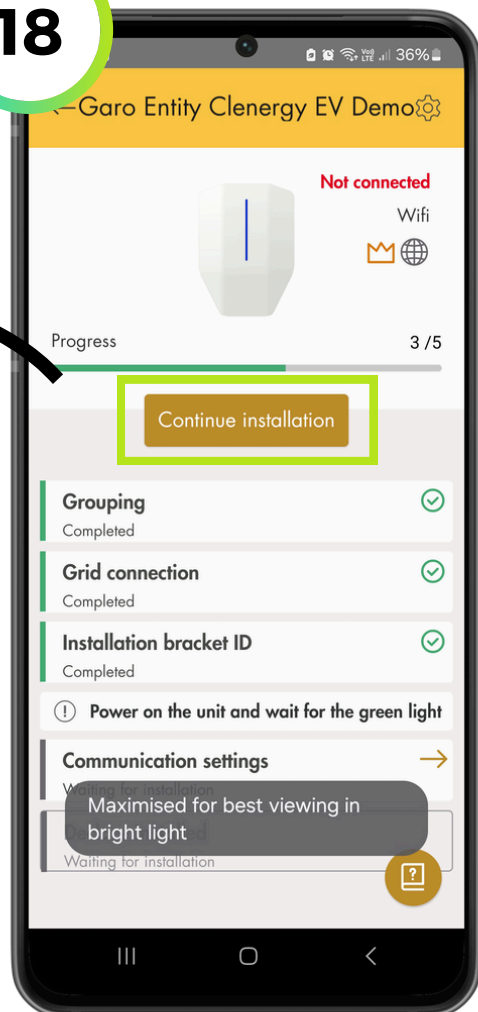
15

Garo Entity Clenergy EV Demo

Not connected
Wifi

Progress   2 / 5

Continue installation

Grouping
Completed

Grid connection
Completed

Installation bracket ID
Waiting for installation

⚠ Power on the unit and wait for the green light

Communication settings
Waiting for installation

Declare installed
Waiting for installation

15. Select **Continue installation.**

16

Installation bracket ID
Garo Entity Clenergy EV Demo

Scan the QR code from the installed bracket

Read QR code on bracket

Complete

16. Select **Read QR code on bracket.**

CLENERGY EV

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Installation bracket ID
Garo Entity Clenergy EV Demo

Installation bracket ID: GaroCS-41956E2A66280

Read QR code on bracket

Maximised for best viewing in bright light

17. Scan the QR code located on the bracket and select **Complete** to proceed.

18

Garo Entity Clenergy EV Demo

Not connected
Wifi

Progress   3 /5

Continue installation

Grouping
Completed

Grid connection
Completed

Installation bracket ID
Completed

(!) Power on the unit and wait for the green light

Communication settings

Maximised for best viewing in bright light

18. Select **Continue installation.**

19

Communication settings
Garo Entity Clenergy EV Demo

1   2   3   4   5

Turn on the charging unit and wait until the box lights up with a solid green light. This can take up to 90 seconds.
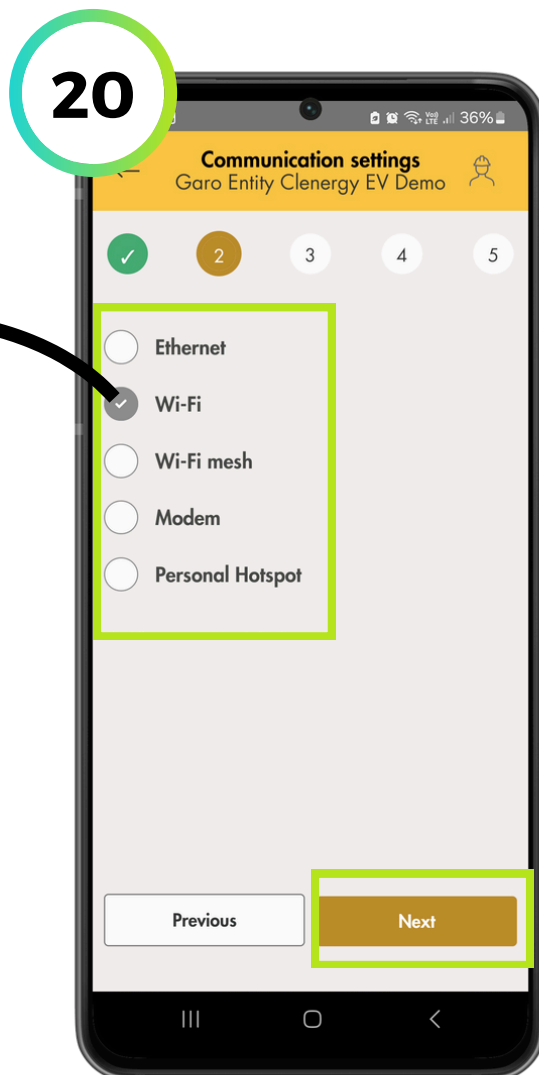
Then click Next and select Connect to pair your mobile device with the charger.
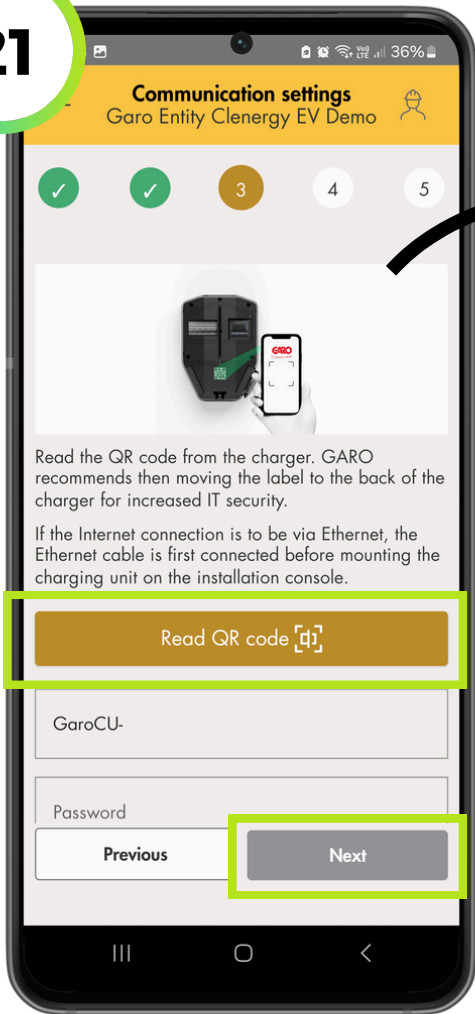
Next

19. Fit the charge point to the bracket, **power up** the charge point and wait for the **LED to display a solid green ligh**t. Select **Next** to proceed.

20

Communication settings
Garo Entity Clenergy EV Demo

✓   2   3   4   5

Ethernet

Wi-Fi

Wi-Fi mesh

Modem

Personal Hotspot

Previous   Next

20. Select the required network type for your installation and select **Next** to proceed.
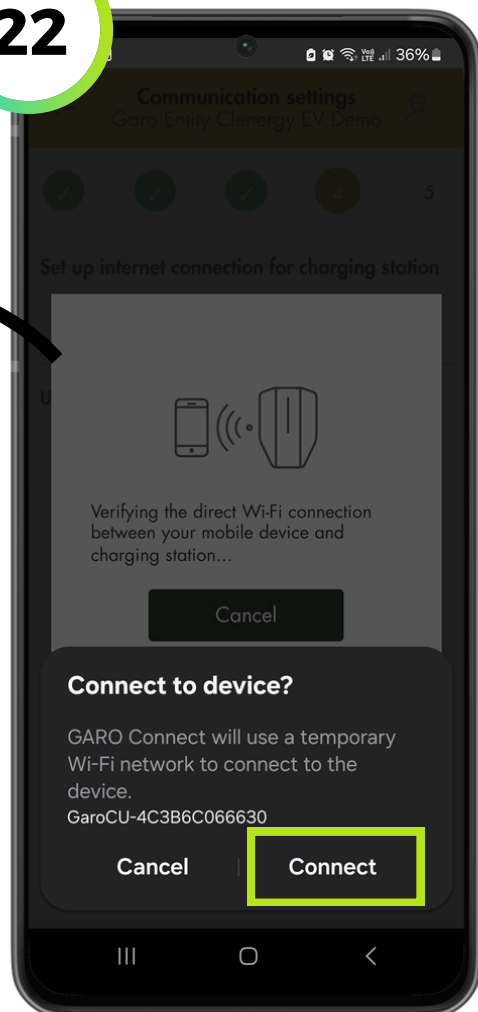
Please note: It is recommended that an ethernet/Wi-Fi connection is used initially to ensure a quicker firmware update and connection to the Clenergy EV platform.

CLENERGY EV

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21. Select **Read QR code** and scan the code on the front of the charge point. Select **Nex**t once the QR code has been successfully read and the **GaroCU-** and **Password** fields have been automatically populated.
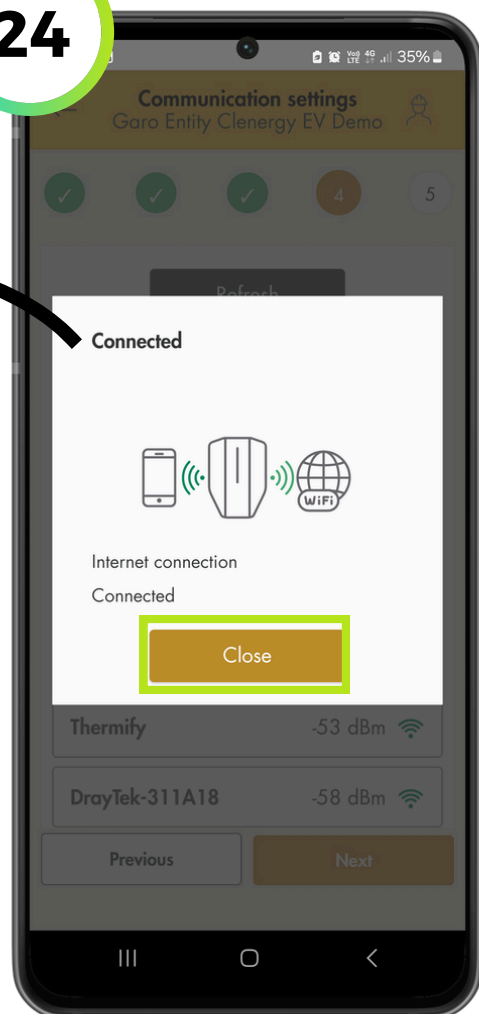
22

22. When prompted, allow your device to **connect to the charge point.**

23

Communication settings
Garo Entity Clenergy EV Demo

Set up internet connection for charging station

Wi-Fi ▼

Use 2,4 GHz Wi-Fi for internet connection

Refresh

AURA_011935A   -38 dBm

TP-Link_0D76   -42 dBm
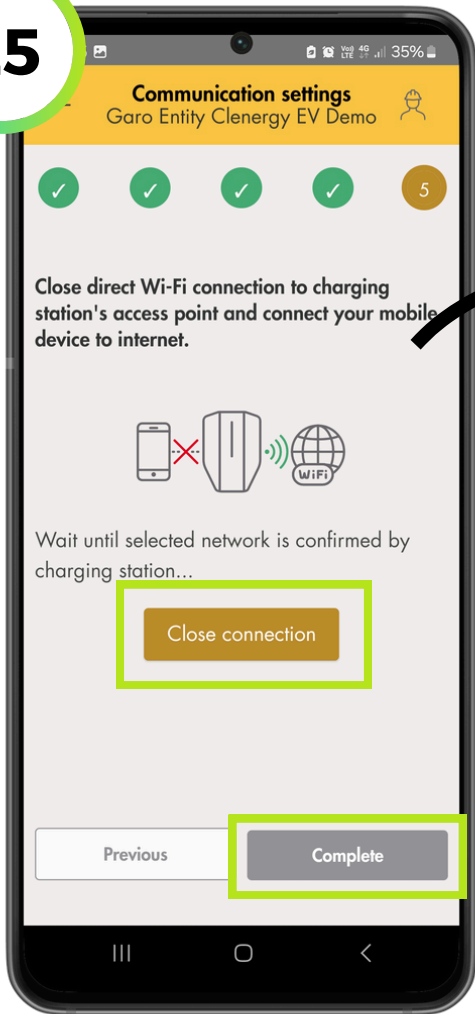
Previous   Next

23. Select the network that the charger is to be connected to and enter the **relevant credentials** to join if prompted. Select **Next** to proceed.

24

Communication settings
Garo Entity Clenergy EV Demo

Connected

Internet connection
Connected

Close

Thermify   -53 dBm

DrayTek-311A18   -58 dBm

Previous   Next

24. Once the network connection has been successfully established, select **Close** to proceed.

25

Communication settings
Garo Entity Clenergy EV Demo

Close direct Wi-Fi connection to charging station's access point and connect your mobile device to internet.

Wait until selected network is confirmed by charging station...

Close connection

Previous | Complete

25. Select **Close connection** and **Complete.**

26

Garo Entity Clenergy EV Demo

Online
Wifi

Progress   4 /5

Continue installation

Grouping
Completed

Grid connection
Completed

Installation bracket ID
Completed

⚠ Power on the unit and wait for the green light

Communication settings
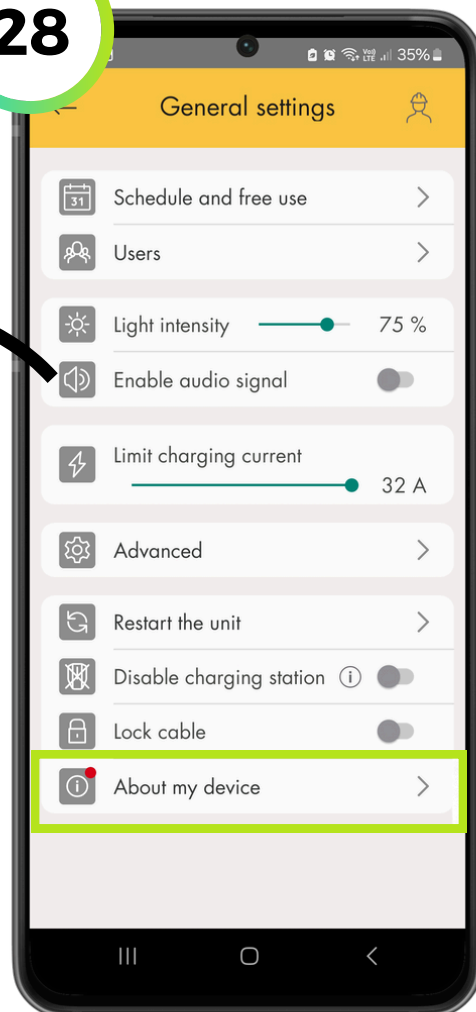Completed

Declare installed
Waiting for installation
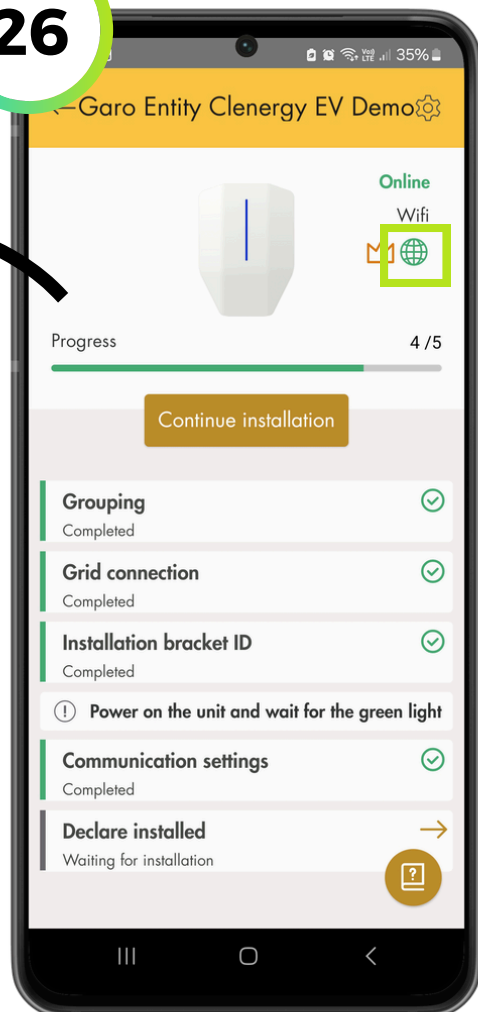
26. Allow the network connection to stabilise for several minutes before proceeding. A successful connection will be indicated by the 🌐 **icon turning green.**
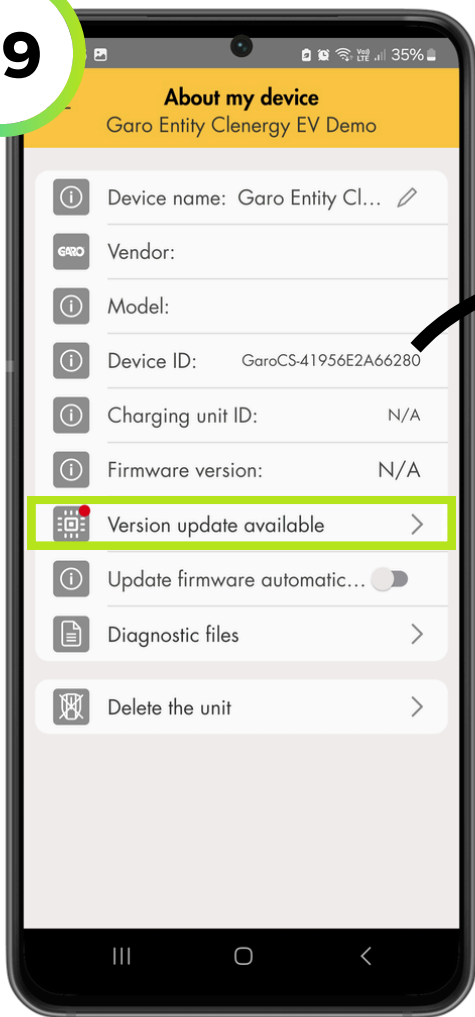
CLENERGY EV

27

Garo Entity Clenergy EV Demo ⚙️

Online
Wifi
👑 🌐

Progress

Continue installation

Grouping	✓
Completed	
Grid connection	✓
Completed	
Installation bracket ID	✓
Completed	
⚠️ Power on the unit and wait for the green light	
Communication settings	✓
Completed	
Declare installed	→
Waiting for installation	
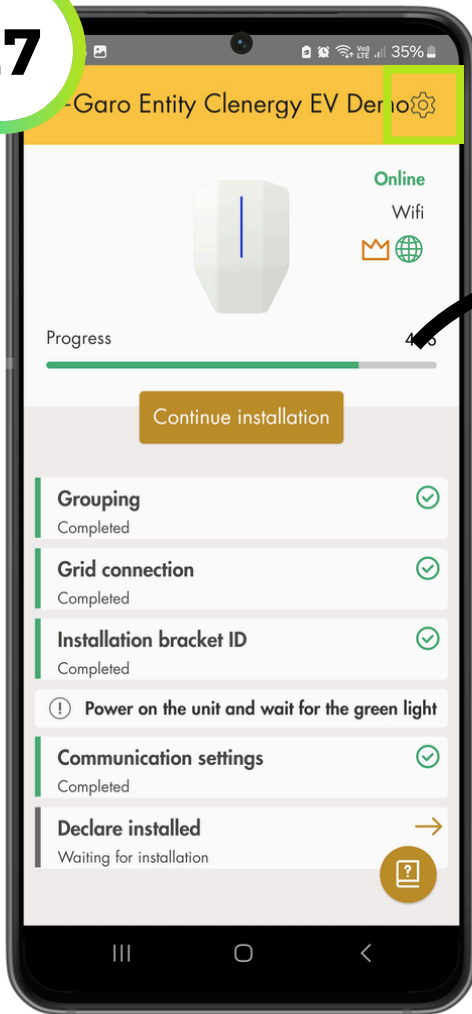
27. Select the ⚙️ icon in the top right-hand side of the screen to open the **General settings menu.**

28

General settings

| 📅 Schedule and free use | > |
| 👥 Users | > |
| ☀️ Light intensity ——●—— 75 % |
| 🔊 Enable audio signal | ⬜ |
| ⚡ Limit charging current ————●— 32 A |
⚙️ Advanced	>
🔄 Restart the unit	>
🔌 Disable charging station ⓘ	⬜
🔒 Lock cable	⬜
ⓘ About my device	>

28. Select **About my device.**

CLENERGY EV

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About my device
Garo Entity Clenergy EV Demo

Device name: Garo Entity Cl... ✎

Vendor:

Model:

Device ID: GaroCS-41956E2A66280

Charging unit ID: N/A

Firmware version: N/A

Version update available >

Update firmware automatic... ⚪

Diagnostic files >

Delete the unit >

29. Select **Version update available.**

30

Software update

You are up to date!

Your charging station has the latest version of the firmware

You are running

Garo EntityPro v.1.10.7

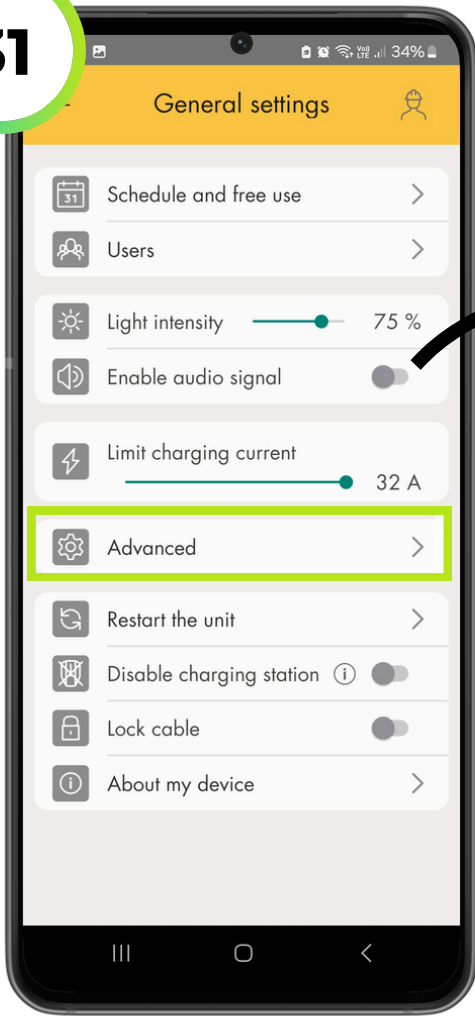Update firmware automatically ⚪
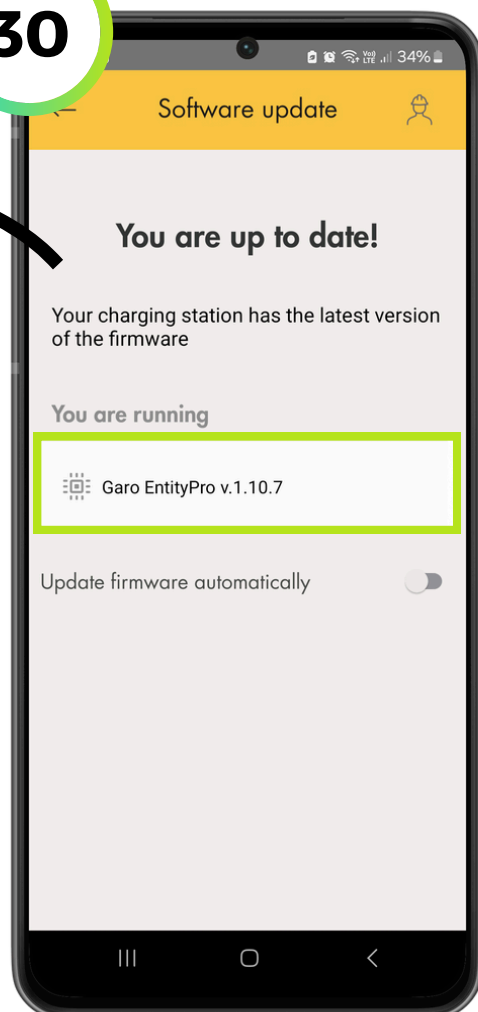
30. Select the firmware version to be updated (if available) and allow the upload to take complete. Please allow around 10 minutes for this process to complete. Once completed, **return to the General settings menu.**

Please note: If a **4G/SIM** network is to be used, it is recommended that the **Update firmware automatically option remains off** to avoid potential issues during future updates caused by signal drop-off.
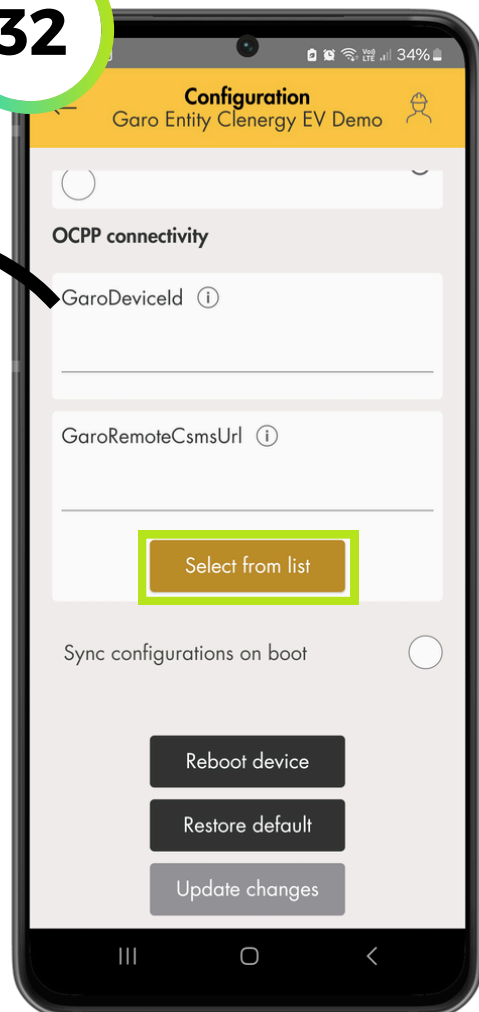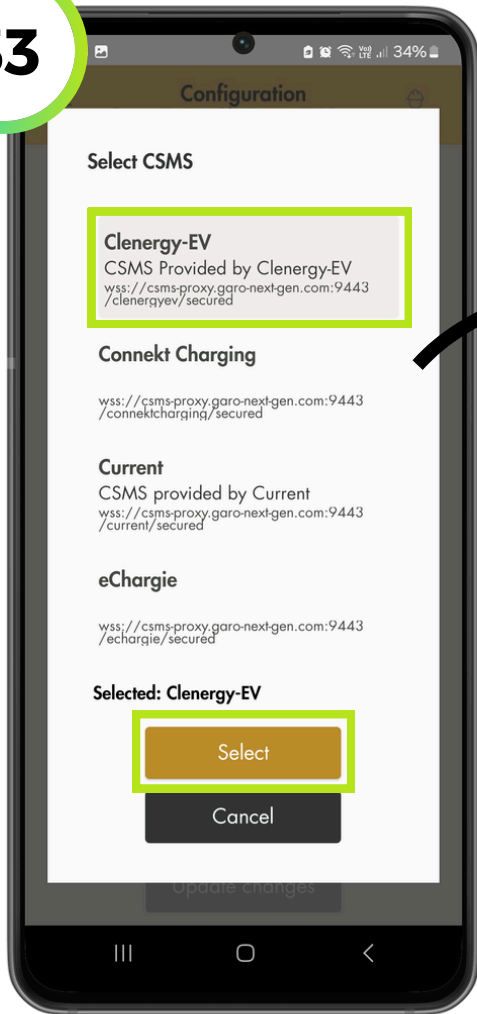
CLENERGY EV

31

General settings

Schedule and free use ›

Users ›

Light intensity ——●—— 75 %

Enable audio signal ⬤

Limit charging current
————————●— 32 A

Advanced ›

Restart the unit ›

Disable charging station ⓘ ⬤

Lock cable ⬤

About my device ›

31. Select **Advanced** to proceed.

32

Configuration
Garo Entity Clenergy EV Demo

OCPP connectivity

GaroDeviceId ⓘ

GaroRemoteCsmsUrl ⓘ

Select from list

Sync configurations on boot ○

Reboot device

Restore default

Update changes

32. Scroll to the bottom of the **Configuration** menu and select **Select from list.**

CLENERGY EV

33

Configuration

Select CSMS

Clenergy-EV
CSMS Provided by Clenergy-EV
wss://csms-proxy.garo-next-gen.com:9443
/clenergyev/secured

Connekt Charging

wss://csms-proxy.garo-next-gen.com:9443
/connektcharging/secured

Current
CSMS provided by Current
wss://csms-proxy.garo-next-gen.com:9443
/current/secured

eChargie

wss://csms-proxy.garo-next-gen.com:9443
/echargie/secured

Selected: Clenergy-EV

Select

Cancel

33. Select **Clenergy-EV** from the **CSMS** list.

34

Configuration
Garo Entity Clenergy EV Demo

OCPP connectivity

GaroDeviceId ⓘ

GaroRemoteCsmsUrl ⓘ

ext-gen.com:9443/clenergyev/secured ↺

Select from list

Sync configurations on boot

Reboot device

Restore default
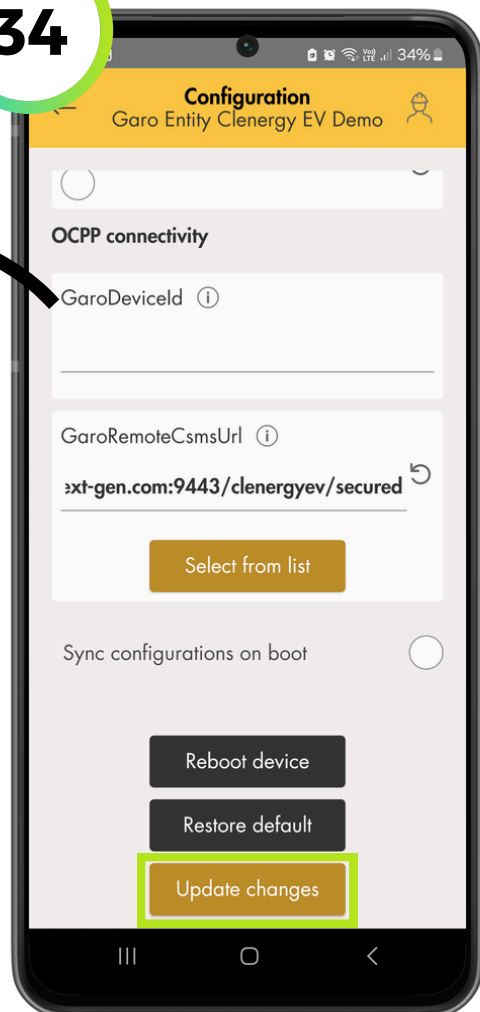
Update changes

34. On the **Configuration menu** select **Update changes** and if prompted reboot the charger.

35

-Garo Entity Clenergy EV Demo

Online
Wifi

Progress   4 /5

Continue installation

Grouping	⊘
Completed	
Grid connection	⊘
Completed	
Installation bracket ID	⊘
Completed	
ⓘ Power on the unit and wait for the green light	
Communication settings	⊘
Completed	
Declare installed	→
Waiting for installation	
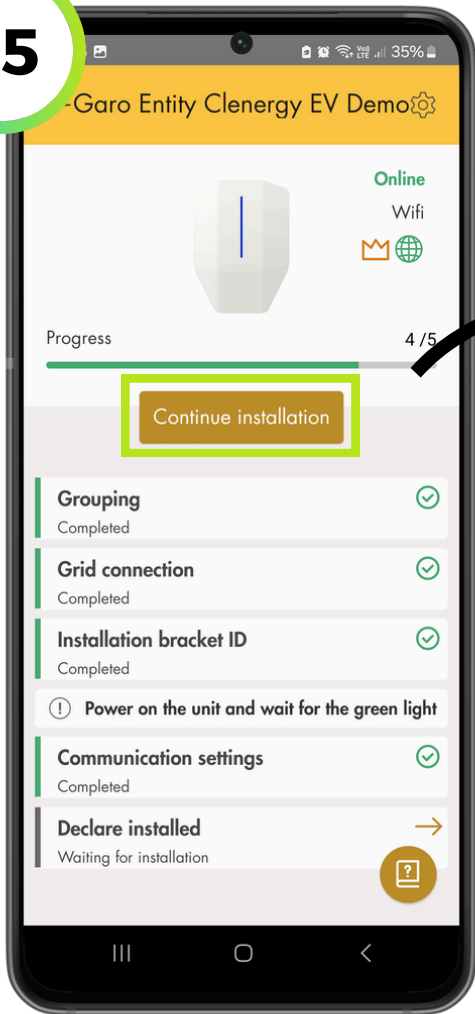
35. Return to the main menu and select Continue installation.

36

Declare installed
Garo Entity Clenergy EV Demo

● Available

| 1 | Test and verify function |
| 2 | Declare as installed |

Unit tested OK, declare as installed

Installation manual ⁇
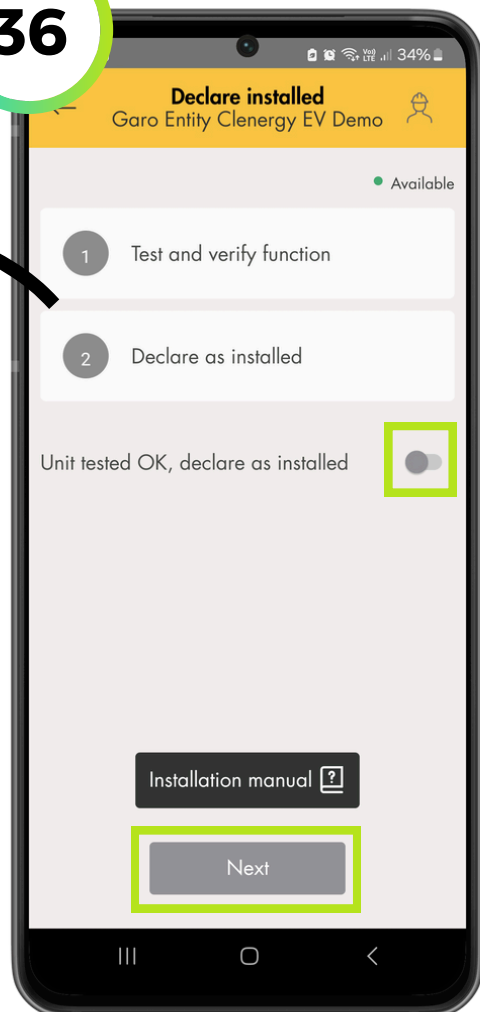
Next

36. **Test and verify the installation** as required (refer to the installation manual if needed).
Declare the unit as tested and installed and select **Next.**

CLENERGY EV

37
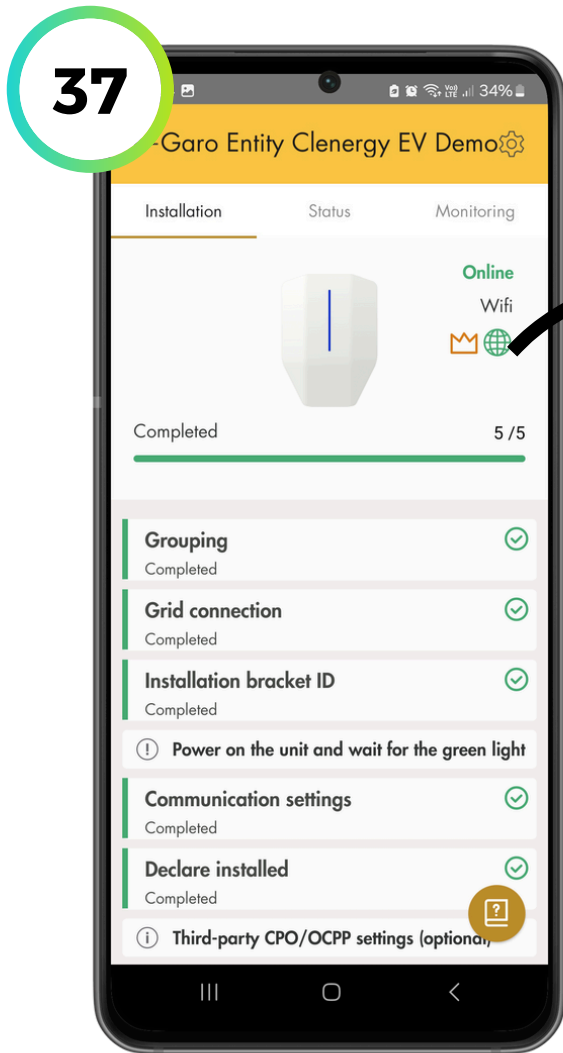
37. Each section on the main menu should now be complete and the charge point will be pointed to the **Clenergy EV** platform.

Please note: Make any necessary changes to the **electrical/network configurations** by using the **general settings** menu and the relevant sections.