

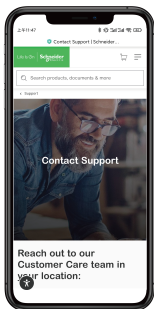
Schneider Charge Pro Charging Station

Commissioning Guide

BRU9949500-01_EN
03/2025



Customer Care Center



Schneider Charge Pro

Commissioning guide with eSetup

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Safety

Important Information



Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result** in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result** in death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- Schneider Electric cannot be held responsible in the event of non-compliance with the instructions in this document and in the documents to which it refers.
- The service instruction must be observed throughout the life time of this device.

Related Document

Document Title	Document Reference	Author	Link
Schneider Charge Pro Installation Guide	BRU2882901	Schneider Electric	https://www.se.com/ww/en/download/document/BRU2882901/

Prerequisites

☐ Material

- Station Schneider Charge Pro.
- Smartphone iOS or Android.
- Network connection if you want to connect to a supervision: Ethernet, Wi-Fi or Cellular modem.

☐ Wire the charging station

In case a load management option must be used, it is preferable to install it before starting the commissioning. That could be:

- Peak Controller: refer to the Peak Controller Installation Guide *BQT5080401/BQT5080501*.
- TIC communication (in France only): refer to the charging station Installation Guide *BRU2882901*.
- PowerTag PTE6: refer to the PTE6 Configuration and User Manual *BQT5663901*.
- Gateway Modbus RS485 to P1 protocol, to connect to a P1 Meter (Belgium only).
- DSO (DI Input in specific countries only).

☐ Network connection

Few network modes are possible.

- Ethernet cable.
- Wi-Fi: make sure that the Wi-Fi is 2.4 GHz and check the Wi-Fi signal strength.
- Cellular modem: SIM need to be inserted into the station.

☐ Commissioning application

Download the eSetup for electrician application on your smartphone.
This application is available on iOS and Android stores.

eSetup needs these functions allowed on your smartphone:

- Location Services
- Precise location
- Local Network
- Wi-Fi enable

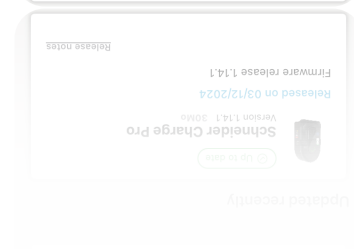
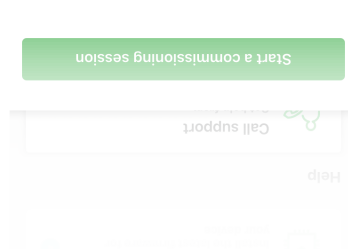
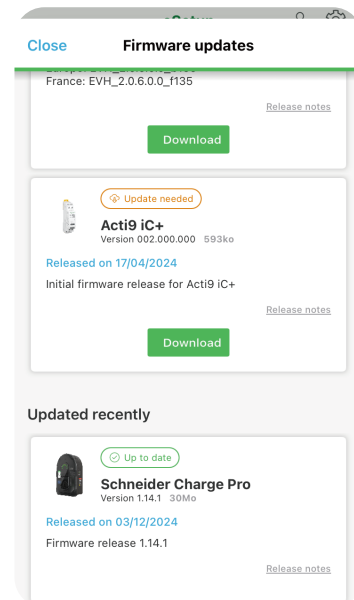
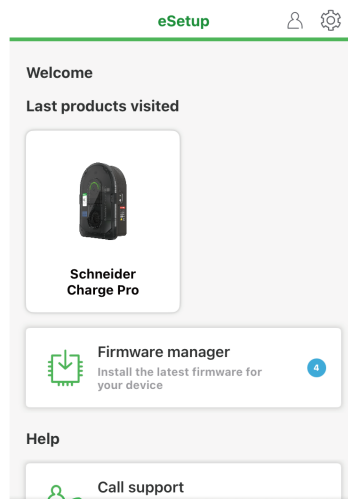


eSetup
ios/Android



☐ Latest firmware version

To download the latest firmware version of the charging station, open eSetup, select "Firmware manager" on the main page and download the last firmware's version of Schneider Charge Pro.
This file is necessary to upgrade your charging station to the last version during the commissioning.



Connection

☐ It is needed to establish a connection between your smartphone and the station through Wi-Fi local network of the charging station.

☐ Charging station initialization

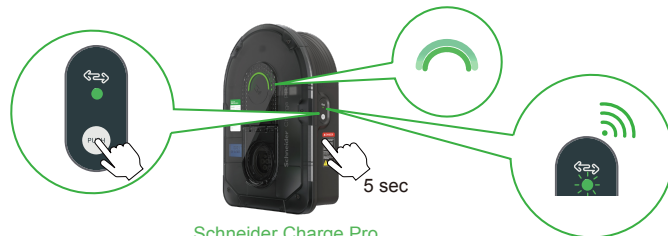
Power ON the charging station.
It takes 30 seconds for the charging station to be ready.
The front indicator light turns from light green to solid green.



Schneider Charge Pro

☐ Charging station Wi-Fi access point activation

When the side indicator light is solid green, press the side button for 5 seconds.
If the side indicator light is Off, power the charging station Off and then back on to re-activate the side button.
The side indicator light blinks green when the Wi-fi access point of the charging station is activated for commissioning.
The front indicator light breathes green during the commissioning.
If the charging station comes from factory (never commissioned), this local Wi-Fi access stays open for 8 hours. After the commissioning, this local Wi-Fi access will stay available for 30 minutes only.



Schneider Charge Pro

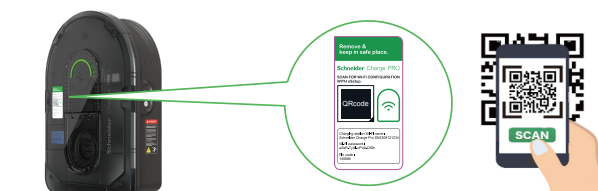
☐ Commissioning application launch

Open the eSetup for electrician application and select Schneider Charge Pro in the menu.
Accept permission requests on your smartphone.



☐ Connection to the charging station Wi-Fi access point

Scan the QR code on the Wi-Fi sticker with your camera,
or
Select Schneider Charge Pro in the Wi-Fi settings of your smartphone and enter the charging station Wi-Fi password manually.



Schneider Charge Pro

NOTICE

CHARGING STATION OPERATE

- Keep the Wi-Fi information in a safe place.
 - Do not forget to remove the stickers when commissioning is finished.
- Failure to follow these instructions could result in cybersecurity damage.**

Firmware upgrade

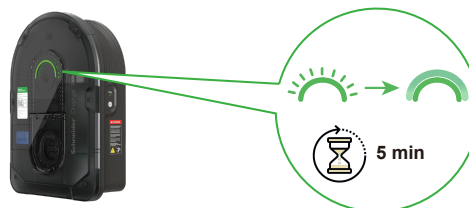
☐ Installing the last version of the firmware provides the best experience with the charging station.

☐ You need to launch the firmware upgrade.

☐ This upgrade should be done at the beginning of the commissioning.
Doing this first allows access to the new functions available.

☐ If the charging station is not up to date, a firmware update will happen.

- The front indicator light blinks green during the upgrade.
- The charging station automatically restarts and configures the new firmware.
- The front indicator light breathes green when it is finished.



NOTICE

FIRMWARE UPGRADE

Do not shut down the charging station during the Firmware upgrade process.
Failure to follow these instructions could result in equipment damage.

Electrical settings

1 Connect to the charging station and go to the section "Electrical settings".

2 Adjust the power limitation to set the maximum current that will be provided to the Electrical Vehicle during the charge to match the electric installation.

3 In case a load management solution is used (Peak Controller, TIC communication, External Power Meter...) then the charging station will dynamically adjust the charging power to avoid tripping the building.

4 Select the phase-wiring mode matching to your charging station electrical installation.

5 Then, save your settings.

×

Electrical settings

Step 1 of 6

Limit the Power Rating

Maximum charging current ⓘ 32A

10A

32A

Select a phase wiring mode

Single-phase

Three-phase

TRI 123

N

L1

L2

L3

N

L1

L2

L3

Charging station

TRI 231

N

L1

L2

L3

N

L1

L2

L3

Charging station

Skip this step

Save

Power management

Several functions are possible depending on your electrical installation.

No power management: if you want used a load management system not managed by the charging station.

Peak Controller: just need to be wired and pairing. Any specifics settings are needed from your eSetup commissioning tool.

TIC input: if you have wired a TIC communication with the Linky meter, you must activate it and check connection details.

External power meter: you can use a PowerTag Resi9 or a GTW MB/P1. The installation contract limit should be defined.

Then, save your configuration.

×

Power management

Choose your **energy management strategy**

No power Management

✓

Peak controller

○

Tic input

Linky Tele-information Client

○

External power meter

○

⚠

Risk of incomer circuit breaker tripping.

Skip this step

Save

×

Power management

Choose your **energy management strategy**

No power Management

○

Peak controller

✓

Tic input

Linky Tele-information Client

○

External power meter

○

No peak controller is currently detected with charger.
Don't forget to pair it.

Skip this step

Save

×

Power management

Choose your **energy management strategy**

No power Management

○

Peak controller

○

Tic input

Linky Tele-information Client

✓

External power meter

○

Connection details

TIC status

Connected

Electrical contract limit

12 kVA

TIC Type

Historical

Skip this step

Save

×

Power management

Peak controller

○

Tic input

Linky Tele-information Client

○

External power meter

✓

Choose your **external power meter**

PowerTag Resi9

○

GTW MB/P1

○

Installation **contract limit**

Maximum contract limit ⓘ

60A

20A

80A

Skip this step

Save

Network settings

1 The charging station must be connected to the Internet to be linked to a supervision.

Several connection modes are available depending on your installation.

- **Offline:** In this mode, no connection to a supervision is possible.
- **Wi-Fi:** To configure this mode, the Wi-Fi name and password are needed. In addition, make sure that the Wi-Fi of the Internet router is 2.4 GHz and check the Wi-Fi signal strength. Add a Wi-Fi repeater if needed. Note: 5 GHz Wi-Fi is not compatible with the charging station.
- **Ethernet Port:** To use this mode, an Ethernet cable must be wired to the charging station and linked to the Internet station.
- **Cellular modem:** Mode available for some charging station references as below. A SIM card must be embedded into the charging station before the electrical wiring. To configure this mode, specific information is needed: APN Name, Authentication type, Username and Password.

EVB4S22N40MG	EVB4S22N40G	EVB4S22NC0MG	EVB4S22NC0G
--------------	-------------	--------------	-------------

3 Select your network mode and set information needed.

4 Then, save your configuration.

Network settings
Step 3 of 5

It is advised to connect your EV Charger: Without a connection, your customer will not be able to supervise their charger remotely.

Connect Schneider charge Pro to the Internet

Offline

Connect to Wi-Fi ☐

Connect to Ethernet Port ☐

Connect to cellular modem ☐

Skip this step

Save

IP settings

1 By default, DHCP client is activated, and IP settings of the charging station are managed by an external DHCP server.

IP settings can be managed manually through eSetup application. Go to the step "Network settings" and click on "IP settings". Turn off the toggle about the DHCP client. You can manage manually the network connectivity and set your IP, Sub-Net Mask, Gateway and DNS.

Default IP when the DHCP client is disabled should be stated:

ETH: 192.168.0.102
Wi-Fi: 192.168.88.206

Subnet mask: 255.255.255.0
Gateway: 192.168.0.254
DNS1: 8.8.8.8
DSN2: 0.0.0.0

3 Save your configuration.

IP Settings

Configure IP settings

DHCP ☐

IP Address

Sub network Mask

Gateway

DNS1

DNS2

Save

Supervision

Connect the charging station to a supervision allows a remotely control to optimize the charging cost, update the charging station, manage the billing of users...
With Schneider Charge Pro, you can configure and connect your chosen supervision.
On the eSetup application, go to the supervision step to set it.

Profile	Description	URL	Box identifier	Basic Authentication with password	TLS certificate
0	Unsecured	URL in ws://	Yes	No	No
0	TLS without basic auth	URL in wss://	Yes	No	Yes
1	Unsecured with basic auth	URL in ws://	Yes	Yes	No
2	TLS with basic auth	URL in wss://	Yes	Yes	Yes


Fill these fields depending on your supervision:

- **Remote supervision URL:** this URL must began by ws:// or wss://
- **Charging station box identifier:** it is the identifier of your charging station to link to your remote supervision.
- **Certificates:** some supervisions need a specific certificate. Only this types of certificates are allowed: .crt, .cer and .pem.
- **Basic authentication:** For this function, a password given by your supervisor must be filled. Be careful on the format ASCII or Hexadecimal of the password.

Supervision
Step 4 of 5

Setup a supervision system

Supervision ☒

Remote supervision URL 



Charging station Box identifier

Certificates upload 0 certificates >

Basic Authentication ☒

ASCII format ☐

HEXA format ☐

Basic Auth password 
 

Skip this step

Save



Standalone mode


Schneider Charge Pro can also be used without Internet connection and supervision in these 2 modes:

- **standalone mode:** plug and charge without monitoring.
 - **local badge management:** charge available only with allowed RFID badge.
- These modes are only available when the supervision is disabled.
Save your settings.

Authentication and badges

Choose how you want to manage the authentication

 Authentication required (Public) 
Start and stop charge by same user

 Authentication disabled
Start and stop charge through EV connection ☐

BADGE MANAGEMENT

Registered NFC Badge 4 badges >

Save

Handover

Send the report to the supervision by SMS or email to inform them that the commissioning is done.
It contains information about the configuration of the charging station.

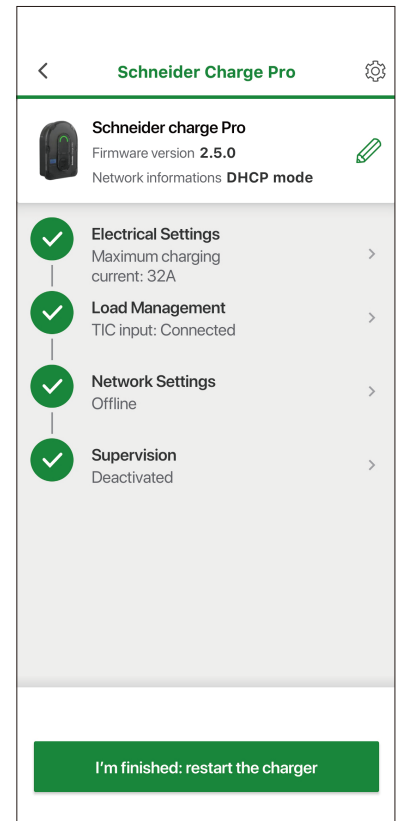
Restarting

At the end of the commissioning, you must restart the charging station to validate the new settings.

Click on the button "I'm finished: restart the charger".

The front LED turns solid green when the charging station will be connected to Internet and linked to the supervision. If there is any supervision, the front LED turns solid green when the charging station is available.

If the supervision is linked or if there is any supervision and the front LED is still breathing orange after 1 minute, please refer to the troubleshooting section in the user manual.



Ready to operate

The charging station is now ready to charge an electrical vehicle!
When a supervision is configured, the charging station can then be linked to the supervision account of the client.

Further functions

Identify charging station

You can identify the charging station you are paired with a blink front LED light.
On your eSetup application, go to the main page and click on the settings menu (gear menu top right).
A click on "Identify the charger" will make it blink.

Back to Factory

A back to factory change all settings as from factory.
- On eSetup application, go to the main page and click on the settings menu (gear menu top right).
A click on "Reset the configuration" and confirmation of this action launch the reset.
- If the operation fails via eSetup application, another way can be performed via the hardware operation.
Please refer to "Reset to Factory" section of the installation guide BRU2882901 for more details.

Lost removable sticker

If you need connect to the Schneider Charge Pro station but you have lost the front removable sticker, you can apply this process.

- Open eSetup application.
- Press 3 seconds the side button of the charging station.
- Scan the QR code which is under the cover of the charging station to connect to the Wi-Fi of the station.
- Enter your PIN code: you are connected and manage settings.
- If you have lost the PIN code, you can reset it:
 - a. Click on "Reset the PIN" and confirm your choice.
 - b. Enter manually the Reset PIN Key which is under the cover of the charging station to change the PIN Code.
Note: Currently most mobile phones' camera application allows extracting strings by taking a picture.
In this case, just copy and paste the Reset PIN Key in eSetup to replace manual input.
 - c. Create the new PIN Code with 6 to 16 numeric non suitable characters.