

Network Integration Guide

Alpitronic HYC150/300



Local configuration setting

IMPORTANT: For instructions on how to open and operate this station, you must go to the manufacturer directly and request the latest installation manual. They will also provide you with information on where the SIM card slot is located.

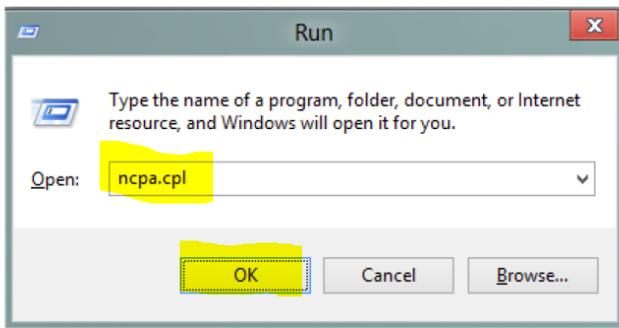
a. Pre-requisites for local configuration setting

COMPUTER	OS accepted (Windows, Mac, Linux) Current Browser (edge, safari, chrome, ...)
SOFTWARE	No additional software needed WebUI is accessible through current browser
CONNEXION	Ethernet RJ45 cable needed to connect laptop with station
TOOLS	Key of station needed to open the front door, door where the Screen is located. Behind that door is located the main controller board / access to the client SIM card slot / access to the ethernet port where to connect laptop

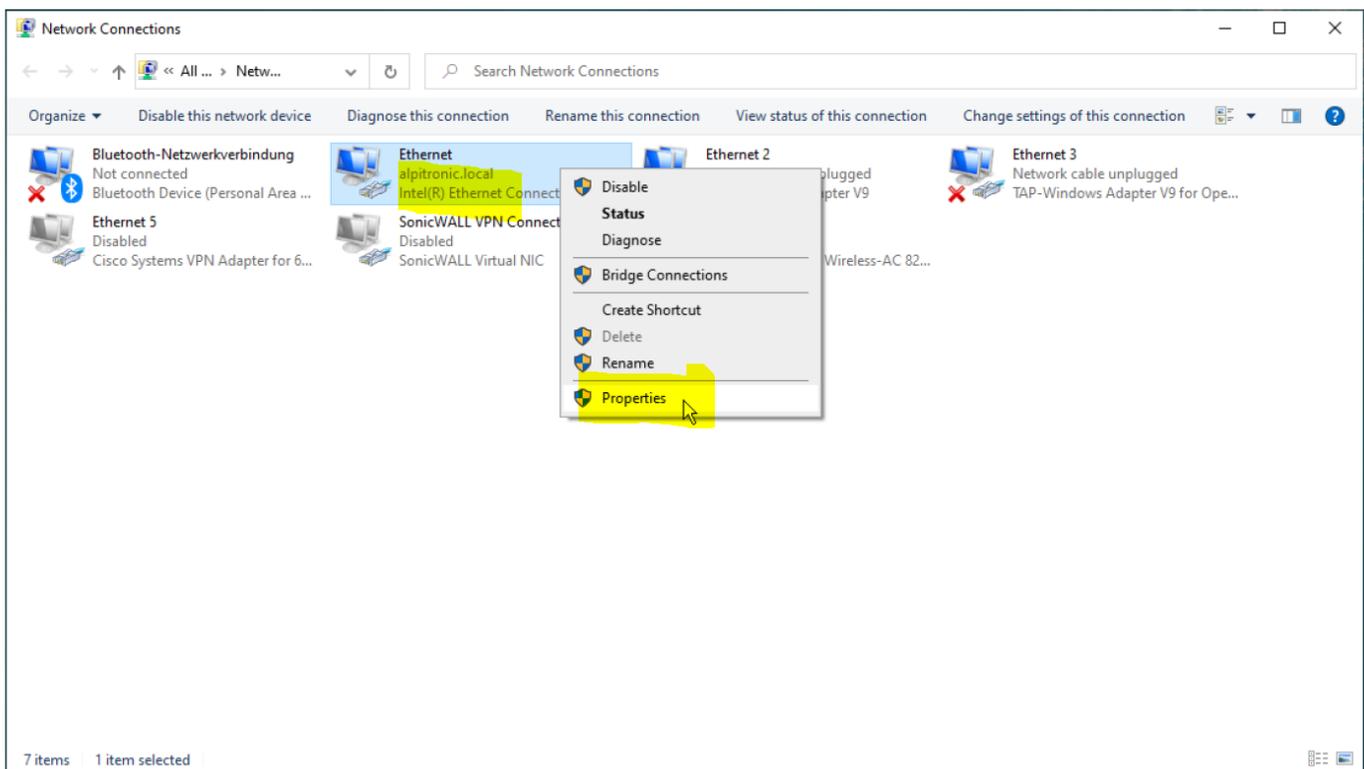
c. Overview of connectivity interface

d. Access to the station configuration (App, WebUI,...)

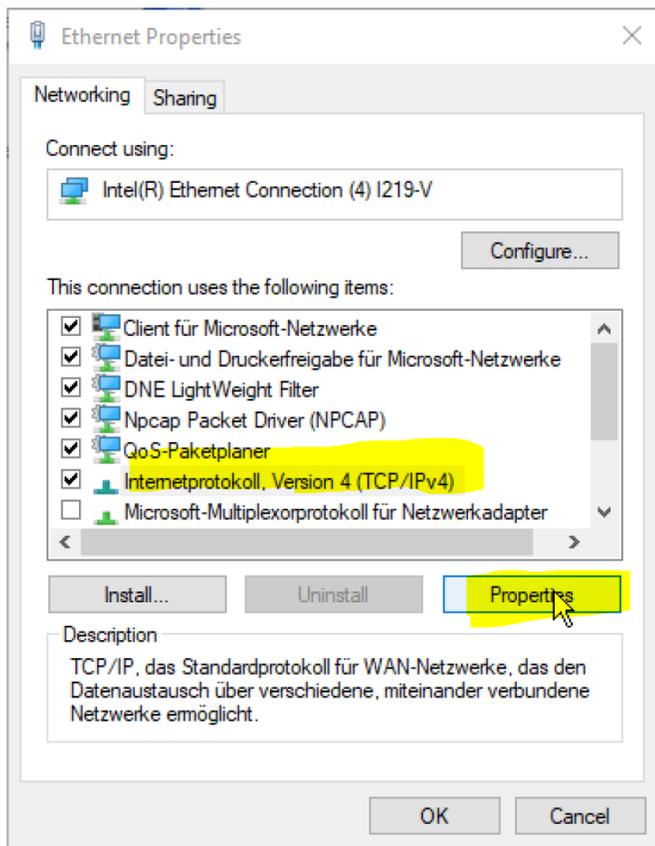
- An ethernet cable is needed to connect your laptop to the Alpitronic station. The ethernet port on the Alpitronic station is located inside on the front door (display door) and is marked with XF2 - if XF2 is not available, you can use the ethernet port marked XF1 (depends on the hardware version)
- When laptop and station are well wired via the ethernet cable you need to adjust your laptop network settings
- Press the Windows + "R" simultaneously and Enter "ncpa.cpl" in the field then click OK :



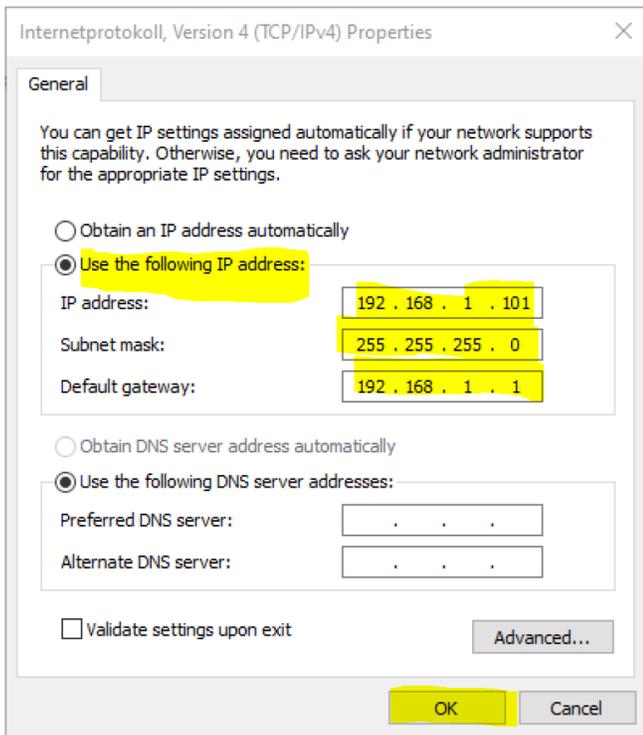
- Select the Ethernet Network for the Hypercharger , press the right button and open the properties :



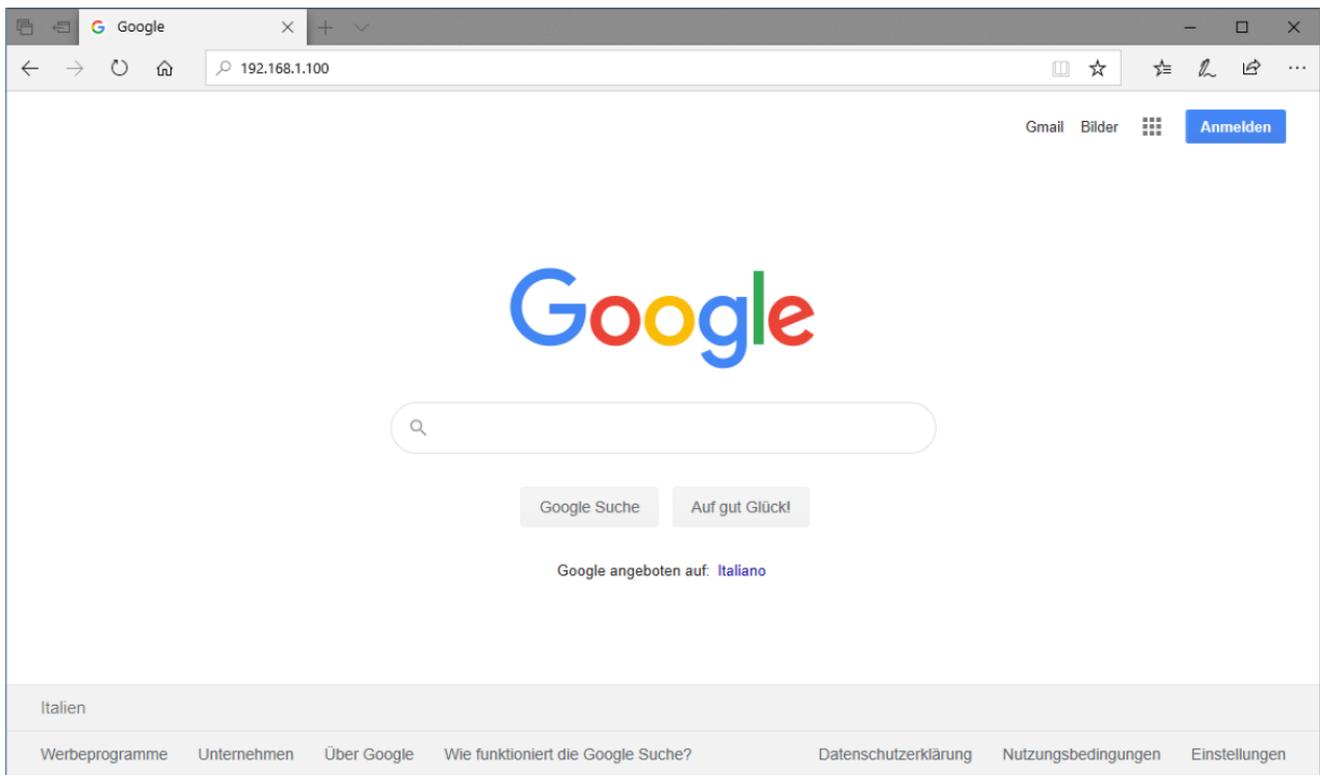
- Select "Internet Protocol Version 4 (TCP/IPv4)" with a mouse click and then click on "Properties" :



- Now select the "Use the following IP address" and enter the following values:
 - IP address: 192.168.1.101
 - Subnet mask: 255.255.255.0
 - Standard gateway: 192.168.1.1



- Open a web browser then enter the IP address : 192.168.1.100



- **Note:**, if you are having difficulties to connect to a local network, an alternative connection method can be to connect via the HYC Mac address in the browser address bar.
use (including brackets): [fe80::fullmacaddress]
Where the [fullmacaddress](#) can be found on the label on the top protection cover as shown below.

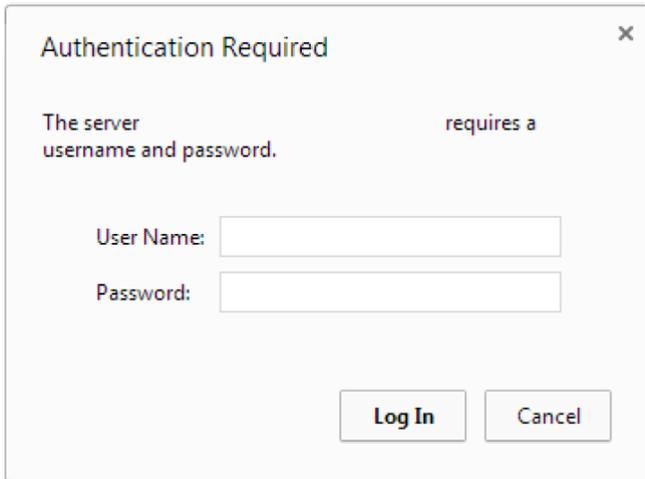


Include the colons so sample can be [fe80::12:34:56:78:aa:bb]

- When connecting to the web interface for the first time, you will be asked to enter a username and password / standard credentials :
 - User Name : **admin**

-
- Password : **admin123**

Check with the station owner to be sure that the standard credentials are still applied, otherwise station owner needs to provide new credentials



The image shows a dialog box titled "Authentication Required" with a close button (X) in the top right corner. The text inside the dialog reads: "The server requires a username and password." Below this text are two input fields: "User Name:" followed by a text box, and "Password:" followed by a text box. At the bottom of the dialog are two buttons: "Log In" and "Cancel".

- Then you access to the main menu of the Hypercharger Web UI :

HyperCharger Configuration

Setup the configuration files for HYC_300_20BZ0260B

NETWORK

STATUS

Network Configuration

Access the network configuration interface.

HyperCharger Status

View the status of the stack, and the processes ongoing.

How it works

Select one of the possible configurations, and please try to avoid using the go back function (may overwrite unwanted changes).

Name	Status	Error
CCS	unconnected	NoError
CHAdeMO	unconnected	NoError
CCS	unconnected	NoError
CCS_AC	unconnected	NoError

Click to Expand

OCPP

GENERAL

OCPP Configuration

Access the configuration for the ocpp parameters, located in the OCPP_config folder on root.

General Settings

General setting like the whitelist of the NFC readed and Max Power drain.

PASS

RESET

Password Configuration

Change the username and password.

System Reset

Reset the HYC.

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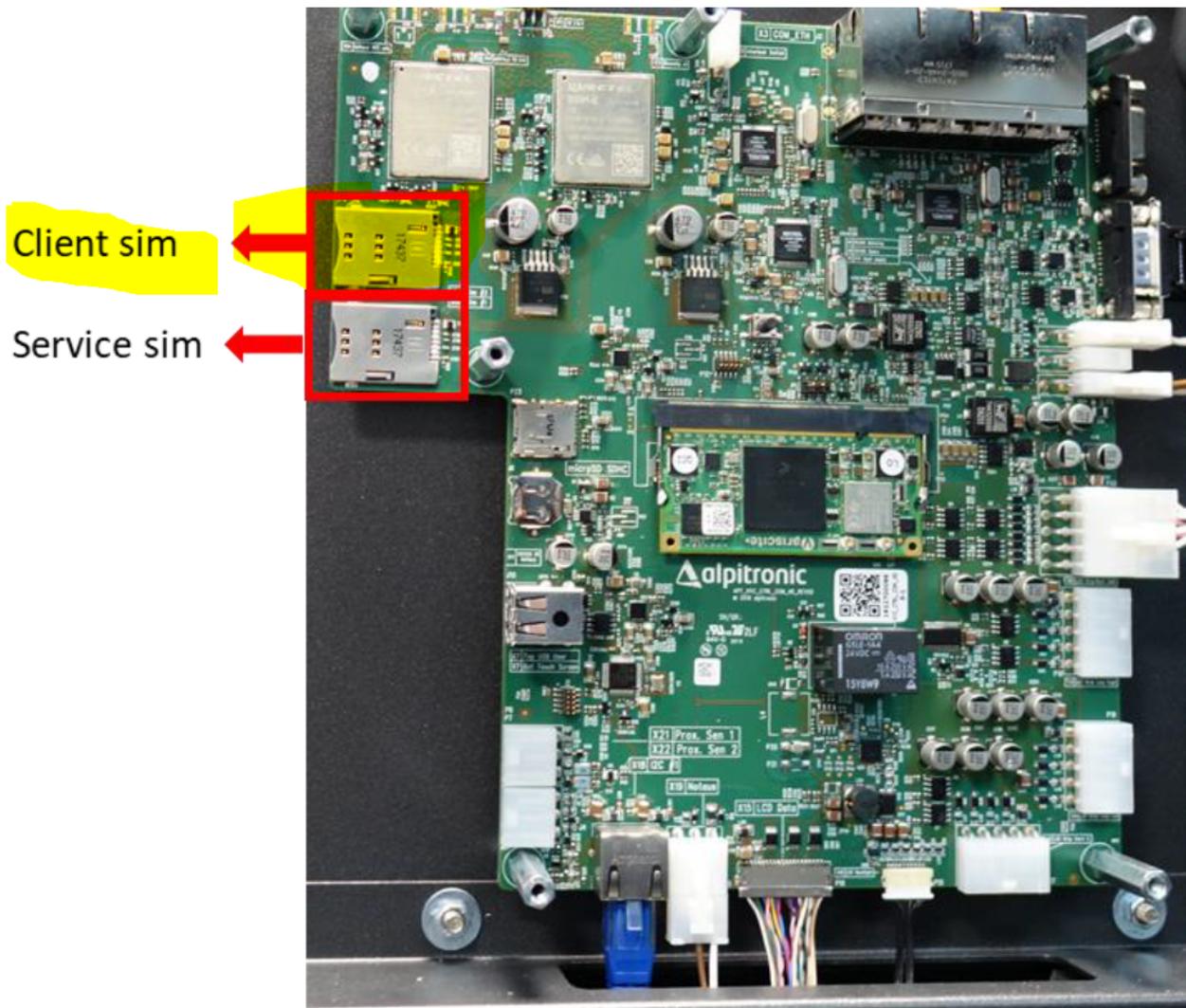
e. Device configuration

- *Adding here if possible screenshots of Web Interface / App*

-
- *List configuration to define on station like :*
 - *RFID reader ON*
 - *connexion through OCPP*
 - *sometimes to define kind of OCPP : OCPP 1.6J*
 - *(...)*

f. Network configuration - to setup if renetworking with a ChargePoint SIM Card

- Be sure that the KPN SIM card provided in the Renetworking kit is well installed in the Client SIM card slot :



- On the UI interface, go to NETWORK section :

HyperCharger Configuration

Setup the configuration files for HYC_300_20BZ0260B



Network Configuration

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- Under NETWORK
 - Open the SIM section
 - Then open APN configuration
 - leave empty "SIM Pin"

- APN : **cp-onramp-1.m2m**
- in APN Configuration, select **“No APN authentication required”**

SIM Configuration INDEX

Ethernet Configuration **SIM** OpenVPN Preferred Network DNS

Signal **APN Configuration** Network Configuration Band Configuration

Default Modem

Current Pin/APN Configuration

SIM Pin (if no PIN, leave empty)

APN

APN Configuration

No APN Authentication Required

APN Authentication Required

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- Click on “Save Configuration” !
- Go to the section “Preferred Network” and be sure you have “mobile SIM connection” otherwise change from “Wired Connection” to “mobile SIM connection”
- Click on “Change network” to validate “mobile SIM connection” setting

Network

INDEX

Ethernet
Configuration

SIM

OpenVPN

Preferred Network

Currently selected as default network:

Mobile Connection

To change default:

Mobile Connection ▾

Change Network

Note:

After changing the network it is
required to restart the charging station

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Template by OS Templates

g. OCPP configuration

- On the UI interface, go to “OCPP” section :

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- Go to BOOT.INI FILE section :
 - Under configurable section :
 - chargePointIdentity : fullfill it with the MAC Address that is present on the activation label provided in the renetworking kit

- msgEngineType : select **json**
 - WebSocketUrl : add > **wss://ocpp-eu.chargepoint.com/open/ocpp/1.6**
- Click on **Save Configuration** !

Add MAC address in chargePointIdentity without colons : see example below **0224B1FFFE00XXXX**



BOOT.INI Configuration

INDEX

OCPP File

BOOT.INI FILE

Property	Value*	Description
ChargePointModel	HYC400_0_22_22_00_00	A value that identifies the model of the ChargePoint.
ChargePointVendor	alpitronic GmbH	A value that identifies the vendor of the ChargePoint.
MeterSerialNumber		It contains the serial number of the main electrical meter of the Charge Point.
MeterType		It contains the type of the main electrical meter of the Charge Point.
FirmwareVersion	hyc_v2.0.0 MOD.1	It contains the firmware version of the Charge Point.
ChargePointSerialNumber	HYC_400_20DZ0011D	It contains a value that identifies the serial number of the Charge Point.
ChargeBoxSerialNumber	HYC_400_20DZ0011D	It contains a value that identifies the serial number of the Charge Box inside the Charge Point. Deprecated, will be removed in future version.
ICCID	8931081021027620003F	It contains the ICCID of the modem's SIM card.
IMSI	201000010000002	It contains the IMSI of the modem's SIM card.
chargePointIdentity	0224B1FFFE001D01	Charge Point identity used by CP to identify itself against the OCPP backend.
msgEngineType	json	Select between "json"(OCPP via JSON over WebSocket) or "standalone" (no backend).
WebSocketUrl	wss://ocpp-eu.chargepoint.c	WebSocket URL used for Backend Communication over OCPP 1.6 JSON.
WebSocketUsername		WebSocket username.
WebSocketPassword		WebSocket password.

Limited Warranty Information and Disclaimer

The Limited Warranty you received with your charging station is subject to certain exceptions and exclusions. For example, your use of, installation of, or modification to, the ChargePoint® charging station in a manner in which the ChargePoint® charging station is not intended to be used or modified will void the limited warranty. You should review your limited warranty and become familiar with the terms thereof. Other than any such limited warranty, the ChargePoint products are provided "AS IS," and ChargePoint, Inc. and its distributors expressly disclaim all implied warranties, including any warranty of design, merchantability, fitness for a particular purposes and non-infringement, to the maximum extent permitted by law.

Limitation of Liability

CHARGEPOINT IS NOT LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS, LOST BUSINESS, LOST DATA, LOSS OF USE, OR COST OF COVER INCURRED BY YOU ARISING OUT OF OR RELATED TO YOUR PURCHASE OR USE OF, OR INABILITY TO USE, THE CHARGING STATION, UNDER ANY THEORY OF LIABILITY, WHETHER IN AN ACTION IN CONTRACT, STRICT LIABILITY, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL OR EQUITABLE THEORY, EVEN IF CHARGEPOINT KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY EVENT, THE CUMULATIVE LIABILITY OF CHARGEPOINT FOR ALL CLAIMS WHATSOEVER RELATED TO THE CHARGING STATION WILL NOT EXCEED THE PRICE YOU PAID FOR THE CHARGING STATION. THE LIMITATIONS SET FORTH HEREIN ARE INTENDED TO LIMIT THE LIABILITY OF CHARGEPOINT AND SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Important: Changes or modifications to this product not authorized by ChargePoint, inc., could affect the EMC compliance and revoke your authority to operate this product.

Exposure to Radio Frequency Energy: The radiated power output of the 802.11 b/g/n radio and cellular modem (optional) in this device is below the FCC radio frequency exposure limits for uncontrolled equipment. The antenna of this product, used under normal conditions, is at least 20 cm away from the body of the user. This device must not be co-located or operated with any other antenna or transmitter by the manufacturer, subject to the conditions of the FCC Grant.

ISED (formerly Industry Canada)

This device complies with the licence-exempt RSS standard(s) of Innovation, Science and Economic Development Canada (ISED). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada (ISDE). L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter.

Radiation Exposure Statement: This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Énoncé d'exposition aux rayonnements: Cet équipement est conforme aux limites d'exposition aux rayonnements ioniques RSS-102 Pour un environnement incontrôlé. Cet équipement doit être installé et utilisé avec un Distance minimale de 20 cm entre le radiateur et votre corps.

FCC/IC Compliance Labels

Visit chargepoint.com/labels.



chargepoint.com/support

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