



**CIRCONTROL**  
*Mobility & eMobility*

# Wallbox eHome

User Manual

CCL-eHOME Series



# Wallbox eHome

## User Manual

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V1.5, Edition July 2020



# Here's your guide to use

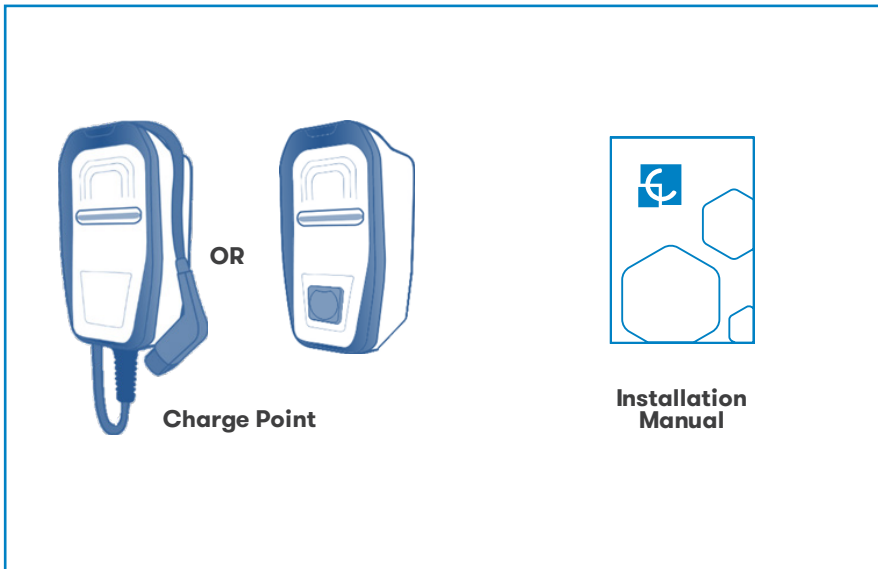
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# 1

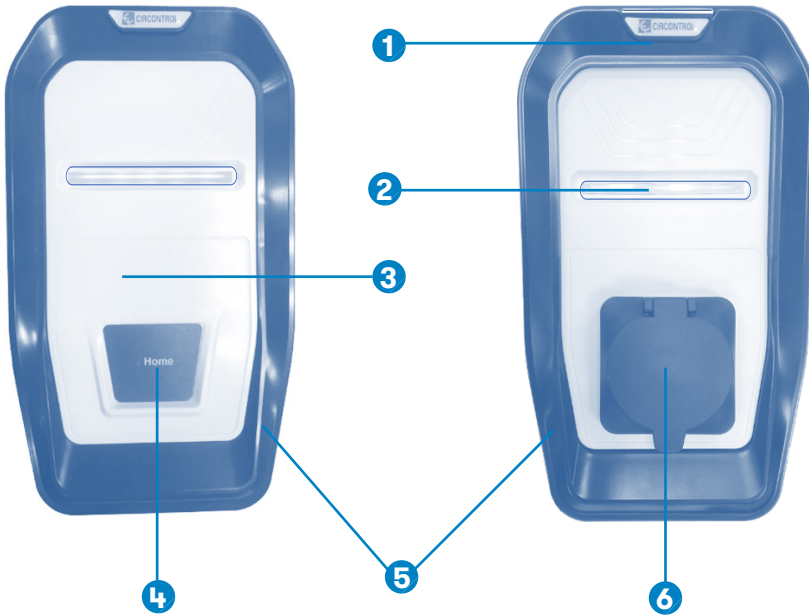
## SHORT DESCRIPTION

The Wallbox eHOME charging system is specially designed to be easily installed both in outdoor and indoor private car parks, in order to charge all the EV brands of the market in MODE 3 (according to European standard IEC 61851-1), by just connecting either its tethered cable with a type 1 or type 2 connector or connecting the EV cable into the charger socket type 2.

What's included:



# Overview



1 – Circontrol Logo

4 – Company Logo

2 – Status RGB LED light bar

5 – Frame

3 – Front cover

6 – Socket

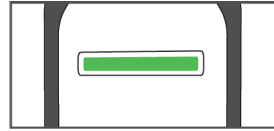
(\*) Plugs may vary depending on the model



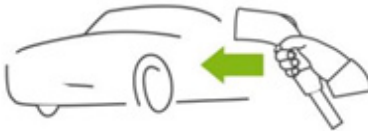
# Operating Instructions

## 2.1 Charging procedure

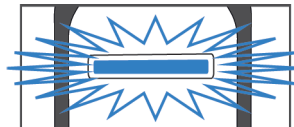
**1 – GREEN FIX BAR STATUS** The Wallbox eHOME has a status LED bar. When it is in green colour, it means that the unit is available and ready to start the charge .



**2 – PLUG** To start a new transaction, plug the Wallbox eHOME connector into your car and in the Charge Point if it is necessary ( depending on the model)



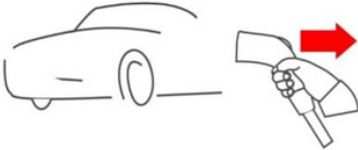
**3 – BLUE DYNAMIC BLINKING LED STATUS** . The status LED light bar turns into blue, The WallBox eHOME starts the charging process, While charging the EV, the LED light bar will be flashing continuously.



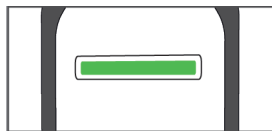
**4 – BLUE FIX LED STATUS** When the EV is fully charged, the charging process ends up and the status LED light bar stops flashing and remains fix in blue.



**5 – UNPLUG** At this moment you can unplug the vehicle connector and of the Charge Point if it is necessary.



**6 – GREEN FIX LED STATUS** •Once the cable is disconnected, the LED light status bar turns back into green. In this status, the Charge Point is available to start a new charging process, whenever it is required.





## 2.2 Status LED light error's

The Wallbox eHOME is capable to detect the following operating errors:

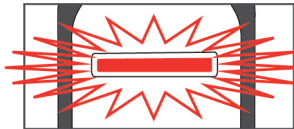
- Ventilation required error
- Pilot error
- Proximity error
- Negative PWM error
- Maximum output current MiniDipswitch error
- Temperature error

Whatever the error case is, the Charge Point will stop charging and technical assistance will be required, except from the temperature error. In this last case, the Charge Point starts charging when the operating temperature is reached again.

In the following sections it will be explained how the Wallbox eHOME shows the above-mentioned errors and the actions taken by the Charge Point.

**1 – VENTILATION REQUIRED ERROR .** In some old EVs, this state means that there are some gases coming out from the batteries. So, an external ventilation in the car park might be required. If it was the case, the status LED light bar would turn into red and keep flashing permanently.

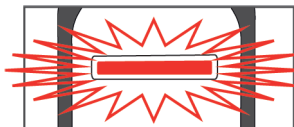
1 Blink Sequence



### 2 – PILOT ERROR

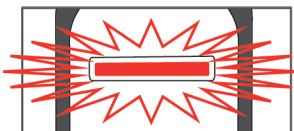
When the Charge Point is connected to the EV, a Pilot short-circuit to earth may occur. Then, the status LED light bar turns into red and flashes in a sequence of two blinks.

2 Blink Sequence



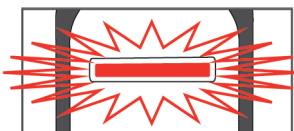
**3 — PROXIMITY ERROR** When the Charge Point is connected to the EV, a Proximity short-circuit to earth may occur. Then, the status LED light bar turns into red and flashes in a sequence of three blinks.

3 Blink Sequence



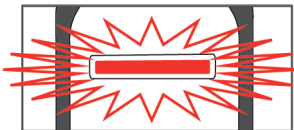
**4 — NEGATIVE PWM VOLTAGE ERROR** • When the Charge Point is connected to the EV, the PWM signal, used to communicate the Charge Point with the EV, can be negative. Then, the status LED light bar turns into red and flashes in a sequence of four blinks

4 Blink Sequence



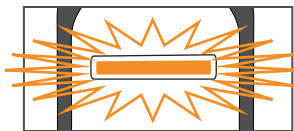
**5 — NEGATIVE PWM VOLTAGE ERROR** • If this on-board current limit selection is not setup according to the hardware features, the Charge Point detects it and shows this error. In this case, the status LED light bar turns into red and flashes in a sequence of five blinks..

5 Blink Sequence



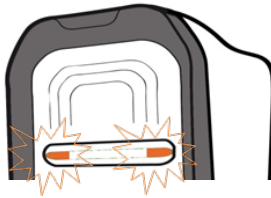
**6 — TEMPERATURE ERROR** • When the Charge Point temperature is below a certain value, it is detected by the Charge Point. In this situation, the status LED light bar turns into orange blinking. In the meantime, if the Charge Point is supplied with heater (optional), it starts heating the inside components until the operating temperature is reached. Then the Charge Point starts charging again.

6 Blink Sequence



## 2.3 Firmware Version

**1 – FIRMWARE VERSION** When the unit is booting, the LED bar will show the firmware version in orange. The first digit of the version will be shown as a certain number of blinking of the first LED, as many times as the digit indicates, and the second digit will be displayed by the last LED blinking accordingly to what the second digit indicates (i.e. for version 1.6, you will see one blink at the first LED and six at the last LED).





# Need help?

In case of any query or need further information, please contact our Post-Sales Department



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CIRCONTROL  
WALLBOX EHOME SERIES  
INSTALLATION MANUAL  
A comprehensive guide on how  
to use your Wallbox eHome.

V1.0, August edition 2020