

Configure Operator Current Limit for outlet(s) LS4, GTB+, and GLB+

Important:

Any modifications performed on the controller are done at your own risk. GARO is not responsible for any issues caused by incorrect handling or unauthorized changes.

Note, this must be done by a certified electrician

Managing operator current refers to the process of overseeing and regulating the flow of electrical current. It is essential that the current remains within safe and desirable limits. The goal is to prevent electrical overloads, short circuits, and equipment failures. This specifically controls individual the socket output.

To configure operator current limits for outlet(s), you will need to access the charger's controller through either the new or legacy web interface. Follow the steps provided for the specific web interface you are using.

Before You Start:

You will need a Laptop and a micro-USB to USB-A cable (important that the cable has possibilities for data transfer and not only charging).

This cable should be plugged in from your laptop to the charge controller. If the charger has two charge controllers make sure you plug into the charge controller on the right-hand side and <u>DO NOT</u> remove any cables between the charge controllers.



Step 1.

Plug in the Micro-USB in the controller's config port.

GLB+ only has one controller (see picture below)



Twin+ & LS4 has 2 controllers (see picture below)



Step 2.

Once plugged into the controller open a web browser and navigate to one of the following IP addresses:

- New Interface (white background) refer to page 3 192.168.123.123
- Legacy Interface (red background) refer to page 5 192.168.123.123/legacy/operator/operator

Note, if you can't access the legacy interface with above IP address please try: GLB+

192.168.123.123/operator/operator

TWIN+, LS4:

192.168.123.123:81/operator/operator	Outlet 1
192.168.123.123:82/operator/operator	Outlet 2

Login Credentials:

- Username: operator
- Password: cherry_zone or yellow_zone



To configure operator current limit for outlet(s) through the new Interface

Access the New Interface via IP address: 192.168.123.123 Step 1.

Navigate to "LOAD MANAGEMENT" -> "Local" tab (wait for the page to fully load)

LOAD MANAGEMENT	
Local	
Modbus Interface	
SEMP interface (SMA Sunny Home Manager)	
EEBus	
Dynamic Load Management	
Hierarchical Dynamic Load Management	
ASKI over OCPP-S	

Locate the options:

"Operator Current Limit [A]" and

" Operator Current Limit [A]"(Connector 2)" (the latter is available only for LS4 and GTB+).

LOAD MANAGEMENT

Local

			_
Operator Current Limit [A]	i	16	
Operator Current Limit [A] (Connector	2)(j)	16	
Max Energy per session [kWh]	i	0	
Max Time per session [h]	i	0	
Energy management from external inpu	t	Disable \$	
Energy management from external inpu (Connector 2)	t i	Disable \$	
Enable Disconnected Upper Limit for SmartCharging	í	Off \$	
Enable Disconnected Upper Limit for SmartCharging (Connector 2)	í	Off \$	
Delete all Smart Charging profiles	i	Delete all	



Step 2.

Set the desired current on "Operator Current Limit [A]"

- For outlet 1, "Operator Current Limit [A]"
- For outlet 2 (LS4/Twin+ only): " Operator Current Limit [A]"(Connector 2)"

Step 3.

Click "Save" to save the configuration. (The bar is visible in the bottom of the screen.)

Unsaved changes

Reset all changes Save Restart Restart App

Once saved, the operator current limit should be set, and you can now try a charging session to confirm.



Configure operator current limit for outlet(s) via the Legacy Interface (for Twin+ and LS4 you need to adjust both outlets separately in legacy interface)

Access the Legacy Interface via IP address:	
192.168.123.123:81/legacy/operator/operator	Outlet 1
or 192.168.123.123:82/legacy/operator/operator	Outlet 2

Note, if you can't access the legacy interface with above IP address please try: GLB+ 192.168.123.123/operator/operator

TWIN+, LS4:

192.168.123.123:81/operator/operator	Outlet 1
192.168.123.123:82/operator/operator	Outlet 2

After logging into the charge controller(s), follow these steps.

Step 1.

Go to the "Settings" tab and scroll down until you see "Operator Current Limit".

GARO	Charging station interface	5.32.3-19073 (Master controller)	1970-01-01 0 [.]
State Settings > Default Operator System	OCPP ChargeBoxIdentity (ChargePontD) EVSE Identity	M50	D that is sent to the backend and used by the backend to identify the ChargePort. <u>show more.</u> The EVSE identify can be used to differentiate a technical D in the backend from to D that a presented to the user identification appropriate the technical structure of the identification appropriate the USE will be derived from the ChargeBouldently.
Documentation	Connection Type	Ethernet V	The type of data connection used to connect to the backend system. Choose No Backend' to disable backend communication completely. While using GSM the wallbox can be connected to LANWLAN at the same time.
	OCPP Mode	OCPP-J 1.6 V	This parameter determines whether backend communication is done uping the standard COPP JSON variant or the poportary Binary COPP variant of Ebee Smart Technologies. The Binary COPP variant of Ebee private APM crimotin messages to atmix at the change point. Also Binary COPP user much less data (dono 20 Binary COPP round the subject scheme tropices a Binary COPP private in the logiest scheme.
	WebSookets JSON OCPP URL of the Backend		The WS/WSS URL of the OCPP backend system. This URL must be the WS/USON endpoint and begin with "ws/if" or "wss/if". This parameter is only used if OCPP-J 1.6 or OCPP-J 2.0 mode is used. The ChargePoint's ID gets automatically appended when connecting to the backend.
	HTTP Basic Authentication password		The password to be used for HTTP Basic Authorization. If left empty, HTTP Basic Authorization is not used.
	Free Charging	Off	Allows charging without authorization via RFID or the backend. Charging is started immediately after a vehicle is connected. <u>show more</u>
	Operator Current Limit (A)	16	Maximum current (in Amperes) that can be signaled to the values for charging. If the parameter installation Current equals to the "installation Current Limit. Otherwise, it must be about one quals for the Maximum Current. I can be feely configured, even while charging. This parameter can be charged by the abound to entry imangement.

Step 2.

Click "Save & Restart" to save the configuration.



Once the controller has been restarted the operator current limit should be set, and you can now try a charging session to confirm.



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For further information, please contact:

Support E-mobility (EV charging, GARO Connect, G-Cloud) Contact: <u>Click here!</u>