



GARO LS4 GLB Plus and GLB Plus Configure Operator Current Limit for Outlet Owner's Manual

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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 DO NOT 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

192.168.123.123:82/operator/operator

Outlet 1

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-1.6

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]	①	16
Operator Current Limit [A] (Connector 2)	①	16
Max Energy per session [kWh]	①	0
Max Time per session [h]	①	0
Energy management from external input	①	Disable
Energy management from external input (Connector 2)	①	Disable
Enable Disconnected Upper Limit for SmartCharging	①	Off
Enable Disconnected Upper Limit for SmartCharging (Connector 2)	①	Off
Delete all Smart Charging profiles	①	Delete all

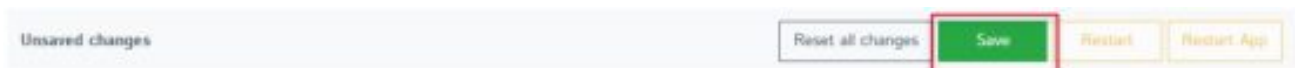
Step 2.

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.)



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”.

State		
Settings		
> Default		
Operator		
System		
Documentation		

OCPP ChargeBoxIdentity (ChargePointID)	M50	ID that is sent to the backend and used by the backend to identify the ChargePoint. show more...
EVSE Identity		The 'EVSE Identity' can be used to differentiate a technical ID in the backend from the ID that is presented to the user. If set, the 'EVSE Identity' will be used for ISO 15118 certificate signing requests. When left empty, the ISO 15118 name of the EVSE will be derived from the 'ChargeBoxIdentity'.
Connection Type	Ethernet	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 LAN/WLAN at the same time.
OCPP Mode	OCPP-J 1.6	This parameter determines whether backend communication is done using the standard OCPP JSON variant or the proprietary Binary OCPP variant of Elbee Smart Technologies. The Binary OCPP variant is working across NAT networks and therefore does not require a private APN for remote messages to arrive at the charge point. Also Binary OCPP uses much less data (factor 20 to 50) than standard OCPP. Binary OCPP however requires a Binary OCPP proxy on the backend side.
WebSockets JSON OCPP URL of the Backend		The WS/JSON URL of the OCPP backend system. This URL must be the WS/JSON endpoint and begin with 'ws://' or 'wss://'. 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 Authentication. If left empty, HTTP Basic Authentication is not used.
Free Charging	Off	Allows charging without authorization via RFID or the backend. Charging is started immediately after a vehicle is connected. show more...
Operator Current Limit [A]	16	Maximum current (in Amperes) that can be signaled to the vehicle for charging. If the parameter 'Installation Current Limit' exists, the 'Operator Current Limit' must be below or equal to the 'Installation Current Limit'. Otherwise, it must be below or equal to the 'Maximum Current'. It can be freely configured, even while charging. This parameter can be changed by the backend for energy management.

Step 2.

Click "Save & Restart" to save the configuration.

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

Important:

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For further information, please contact:

Support E-mobility (EV charging, GARO Connect, G-Cloud)


Contact: [Click here!](#)

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References

-  [Kontaktformular - GARO Proffs](#)
- [User Manual](#)

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