



GARO Castra

Userguide (EN)

Manual 380239



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Information

The purpose with this manual is to inform necessary information of how to configurate and use the different functions in Castra campingstation. The conditions is a complete installed and electrified Castra and a mobile/tablet/computer with wifi function.

This document contains general descriptions which are verified to be accurate at the time of printing. However, because continuous improvement is a goal at GARO, we reserve the right to make product and software modifications at any time. This range is subject to continual product development. Errors, typo and omissions excepted.

Connect mobile/tablet/computer to Castra webinterface

General information

Conditions:

- An electrified Castra campingstation

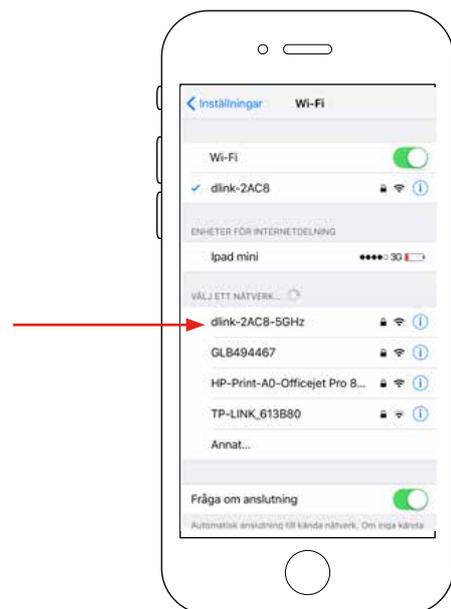
Note: It can take up to 3 minutes after power on before Castra is ready for connection to a mobile device.

Castras default setting is "accesspoint" and in this case, search for the SSID (wifi network name) in your device. SSID and password is written on a label inside Castra front door.

It is possible to connect Castra to a local network. In this case, your device need to be connected to same network as Castra.

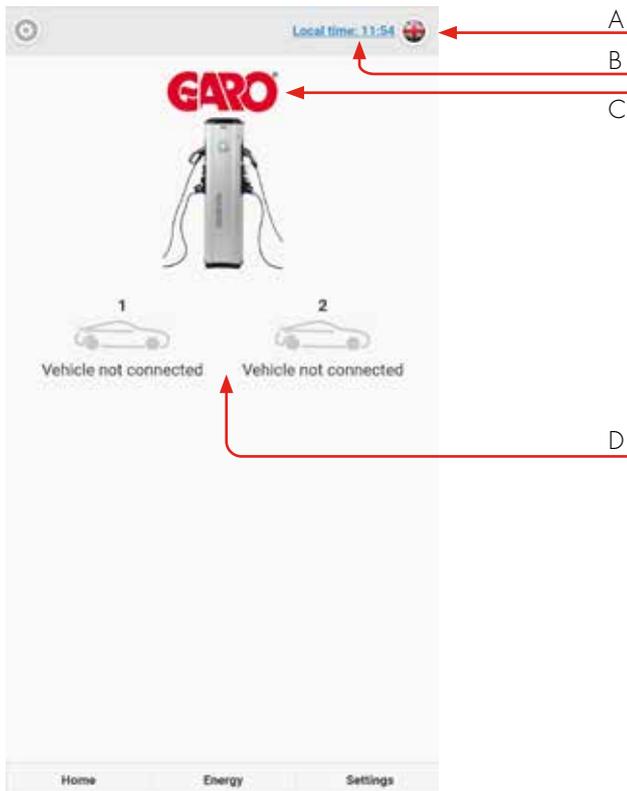
Connect a device to Castra webinterface

1. Search for Castra SSID and press "connect". Type in the password that is written on the label inside Castra front door.
2. Open a webbrowser. The webbrowser will automatically show Castra webinterface. If this does not happen, type in 172.24.1.1 in webbrowser addressfield.



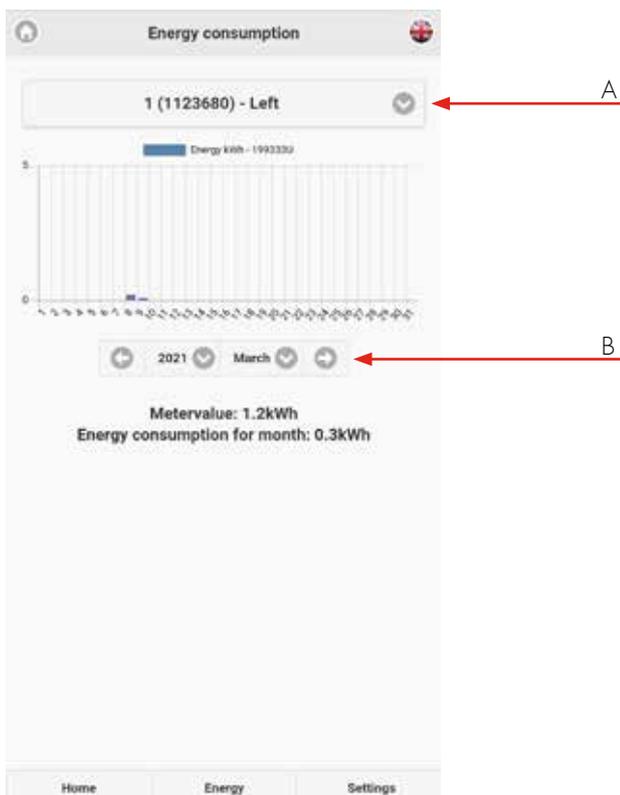
When Castra is connected to a local network (via wifi or ethernet) please use <http://chargebox.garo.se> in your webbrowsers addressfield.

Main menu



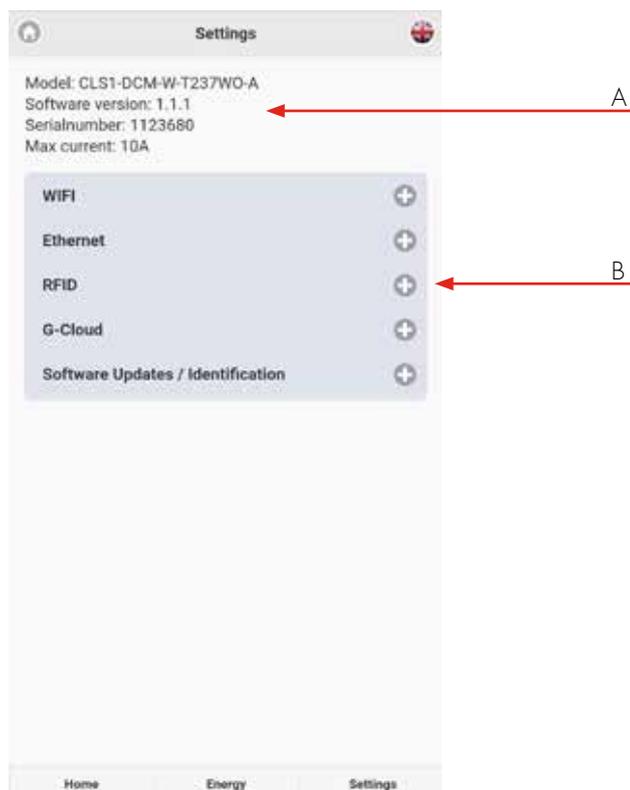
- A. Choose language.
- B. Click to adjust Castra internal clock.
- C. Doubleclick to see more information .
- D. Status for Type 2-outlets.

Energy menu



- A. Choose right or left side of Castra.
- B. Choose a period of time.

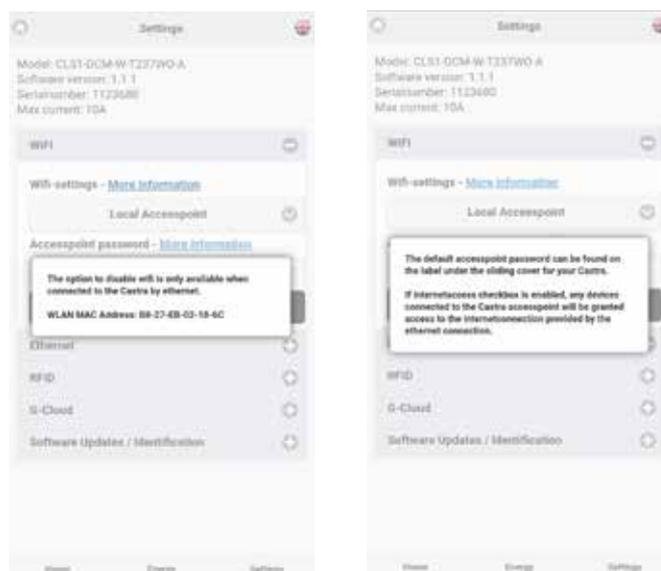
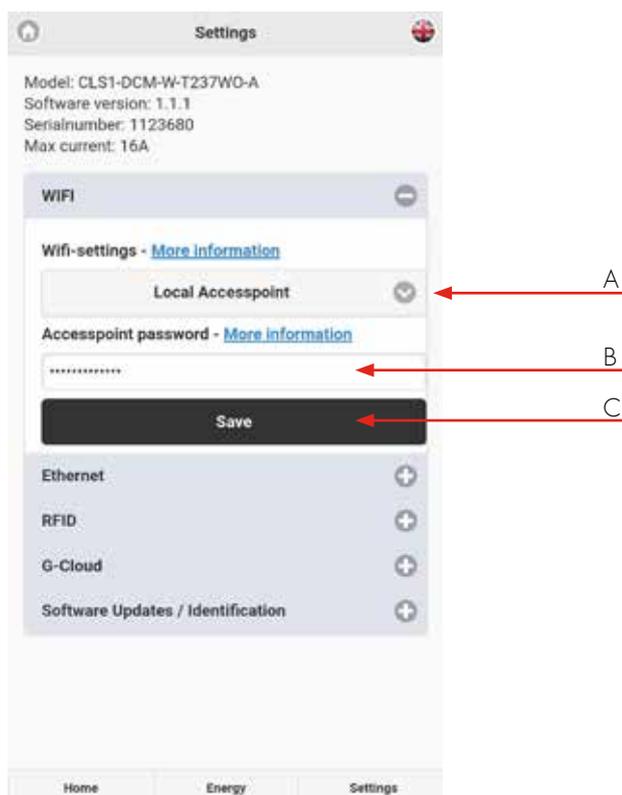
Settings



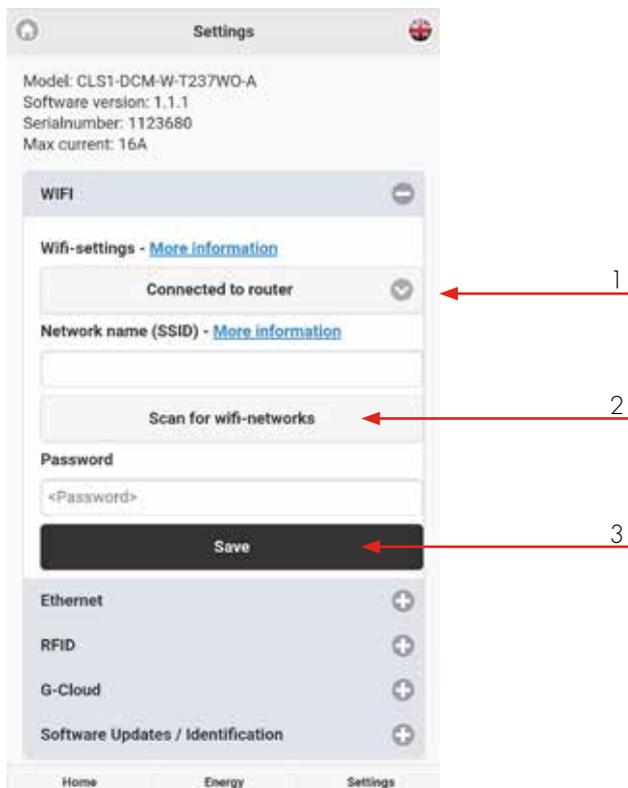
- A. Castra information
- B. Click "+" to see options.

WiFi Settings

Wifi-settings – More information show Castras wifi MAC address.



- A. Choose Local accesspoint or Connected to Router.
- B. Password field, here you can set your own password.
- C. Save after any change of settings.



Connect Castra to local wifi network

General information:

Only 2,4GHz wifi networks are supported. 5GHz wifi networks are not supported.

Firewall/router must handle outgoing request to:

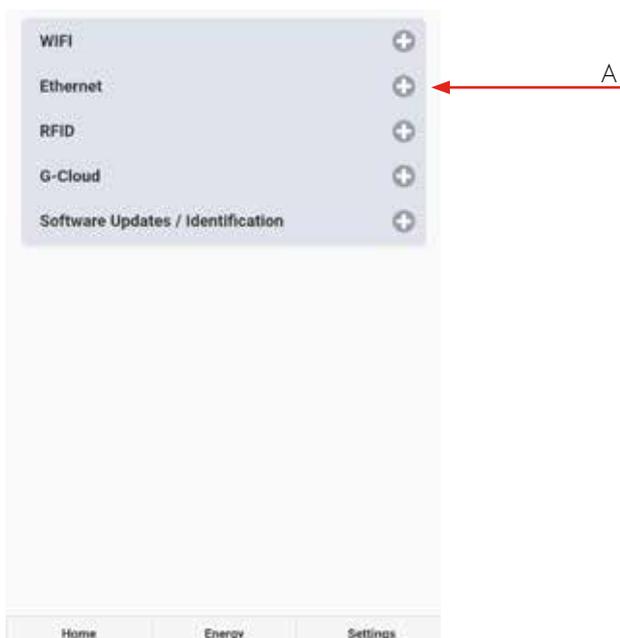
- * 8.8.8.8 via ICMP(ping)
- * 85.11.39.104 (www.webelonline.se) via ICMP(ping), TCP port 80 and TCP port 443

Make sure your firewall/router does not forbid this traffic. WPA/WPA2 encryption is supported.

Local wifi-network must have a password. Castra cannot connect to a wifi network without password protection.

1. Choose option "connect to router".
2. Click "scan for networks" and click wanted network. Type in wifi password.
3. Click Save to save the wifi settings.

Ethernet settings



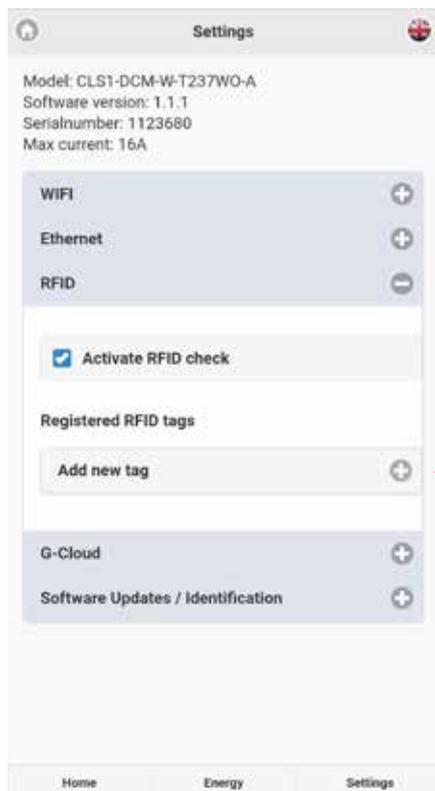
Castra can connect to a local network via the RJ45 ethernetport.

In Ethernet menu, choose "Obtain IP automatically" or "static IP".

Static IP address option require ip-address, network mask and Gateway ip address to be filled in.

- A. "Etherhet settings – More information" shows the ethernetport MAC-adress.

RFID settings

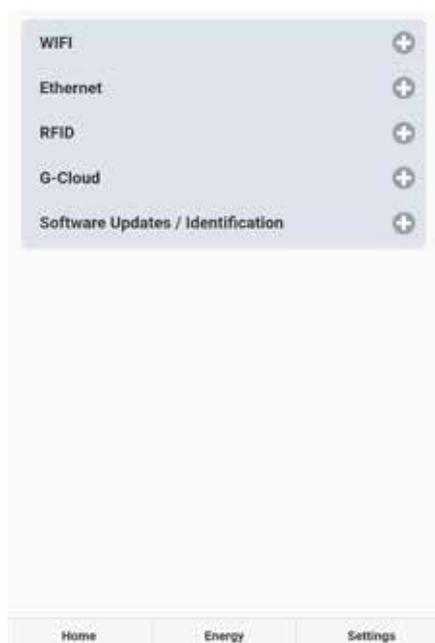


By ticking "Activate RFID check" you enable RFID tag authorization function for use of the type 2 EV outlets. The function is not activated by default.



1. To activate, tick the box "Activate RFID check."
2. Register the wanted tags per side of Castra by clicking "Add new tag" and follow the instructions.
3. RFID-number is written on each tag.
4. "Read tag" means that you can read the tag id by holding a tag in front of the left hand side RFID reader.
5. Choose correct side/sides each tag should be able to authorize.

G-Cloud settings



G-Cloud is a service that require a G-Cloud subscription. The service means that Castras both energy meter values are stored in a cloudserver.

Energy consumption reports can later be generated from G-Cloud website.

G-Cloud subscriptions is ordered at via www.garoemobility.se

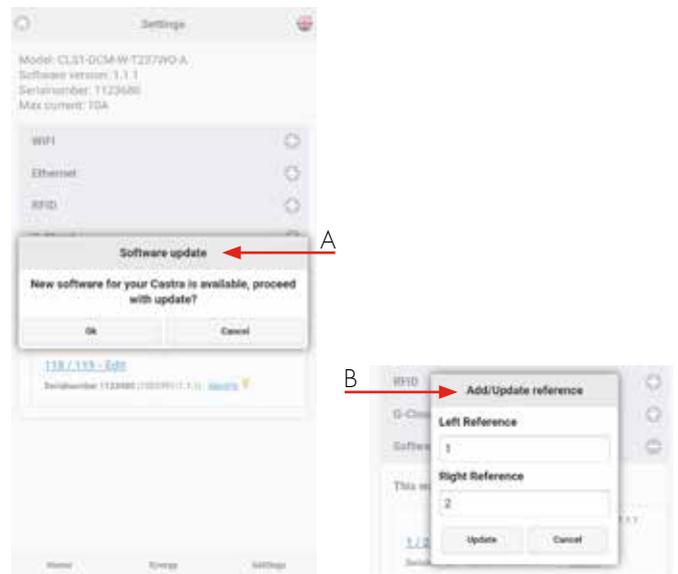
Requirements:

Active G-Cloud subscription

Castra connected to internet via wifi or LAN.

Tick "G-Cloud service active" to activate the function.

Software / Identification



Options in Software/Identification site:

- A. Search for updates (require that Castra is connected to internet).
- B. Add own names for Castra both sides.

By clicking "Identify", a white blinking light will appear for 1 minute.

Update Castras software

The different ways to update Castra software is presented here:

1. Update via Castra webinterface. (require Castra connected to internet)

Connect your device to Castra webinterface.

In settings menu: -> Software Updates / Identification, click Search for updates online and follow the instructions.

2. Update via file (for Castra that is not connect to internet)

Download the update-file:

Open <http://webel-online.se/wifi/> on a mobile/tablet/computer.

Click on the Castra file to start the download process.

Connect your sen er mobile/tablet/computer to Castra accesspoint and type in <http://172.24.1.1:8080/update/> in your webbrowser and follow the instructions.

Service information

An annual service is required for Castra. Here are the service points:

- Ocular inspection of Castra's exterior, check that everything is complete.
- Visual inspection of the LED indications.
- Check that the Castra is securely mounted.
- Checking the door locking mechanism.
- Function check of Type2 sockets with test instruments.
- Checking the RFID function (in cases where RFID is activated).
- Checking the cable gasket on the inside.
- Exercise of main switch.
- Clean the lower part of the inside with a dry soft cloth, do not use solvents.
- Wipe the outside with a dry soft cloth, do not use solvents.
- Exercise all 4 RCBO:s located at each side of Castra.
- Check that the energy meters light up when touching the displays.

Troubleshooting

Indication	Meaning	Action
 Solid red light	RCBO has tripped or EV earth check error is detected.	Reset RCBO
 Solid red light for 3 sec	RFID tag not accepted	
 Red fast flash	DC current >6mA - charging has stopped.	
 Red slow flash	Modbus-problem energymeters	Contact servicepartner
 Solid yellow light	Fault in charging cable	Check the charging cable
 Flashing yellow light	The charging socket lock is not in the locked position	Check the charging socket lock
 Shifting red/green/yellow	DC detection hardware error.	Contact servicepartner
 Flashing purple	Castra overheating, charging has stopped.	

Indication	Meaning	Action
 White fast flash	Search light indication	
 Solid blue light	RFID accepted - waiting to start charging.	
 Shifting blue intensity	EV charging in progress	
 Shifting red/blue	Software upgrade in progress.	
 Solid green	Charger in idle, waiting for EV to connect.	
 Slow green flash	EV connected, wait to start charging or EV has finish charging.	
 Fast green flash	RFID reader ready to read tag	