



CAR
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CIP Programmer
quick start manual

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CIP Programmer

Remote programming, coding and diagnostics

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1. Working with the CIP

With the CIP, you can now program car keys, tow bars, headlights and much more of many brands in your own workshop. It's simple. Using the CIP you can remotely connect any vehicle with an online diagnostics specialist. This allows you to carry out programming rapidly. The major advantage is that the vehicle stays in your workshop, saving you time and money!

The CIP is also suitable for programming where the data transfer from the vehicle is via Secure Gateway or DoIP.



Features	CIP	CIP Lite
Programming car keys and hand transmitters (both OEM and own-brand)	✓	✓
Pre-coding of Code 2 car keys (for certain Fiat, Volkswagen, Seat and Skoda models)	✓	✗
Reading out pin/transponder codes	✓	✓
Fault code reading and service interval reset	✓	✓
ADAS calibration of various components	✓	✓
Coding/programming after module replacement	✓	✓
Diagnostics and technical assistance	✓	✓

You can also utilise a wide range of CIP services for light commercial vehicles.



2. Getting started quickly with the CIP How to start well prepared



CIP-package



CIP Lite-package

What does the CIP pack consist of?

The package contains 1 CIP / 1 CIP Lite and 1 OBD cable. In addition, you will receive the **CIP quick start manual** with clear explanations and tips.

Other than the CIP pack, what else do you need to use the CIP?

- a smartphone, tablet, laptop or PC
- a Torx-10 screwdriver, a reset pin or paperclip
- a good WiFi connection*
- a vehicle to connect to
- your login details (you will receive these by e-mail after purchasing the CIP)

* The CIP can also be used with the aid of an Ethernet connection or via a hotspot.

For help with the CIP installation or while using the CIP, please contact the CIP Helpdesk: cip@carlocksystems.com and +31 183 30 52 21. Also visit:

www.carlocksystems.com



3. How to connect to the CIP



step 1

Connect the CIP to the car

- Attach the OBD cable to the CIP using a Torx-10 screwdriver.



OBD-connector

- Connect the OBD connector to the OBD port of any vehicle. The CIP is now connected to the vehicle.

step 2

Connect the CIP to your WiFi network*

- After connecting the CIP to the vehicle, the orange LED will light up constantly. The CIP hardware is now ready.
- The green LED will flash slowly (1x per sec). The CIP can now be connected to a WiFi network. Is the green LED flashing irregularly or quickly? Then reset the WiFi module: see 'Connecting the CIP to another WiFi network' (p.10).
- Open the 'Settings/WiFi networks' on your smartphone, tablet, laptop or PC and connect to 'ConnectorXXXXXX' (XXXXXX is the number on the back of the CIP).

Connector311122	
Connector info	
WiFi mac address: 0x:00:00:00:x0:x0	
WLAN mac address: 0x:00:00:00:x0:x0	
Available networks	
CLS security WPA2-personal	
CLS Development security WPA2-personal	

- Open the web browser and go to the webpage **connector.help**
- Select your WiFi network, enter your WiFi password and press 'Connect'.

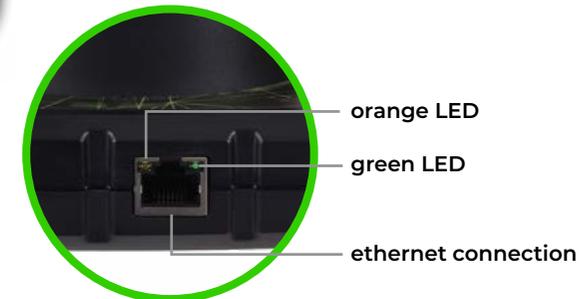
The green LED starts flashing faster and then lights up constantly. The CIP is now successfully connected.



* You can also connect the CIP to the internet by connecting an ethernet cable between the internet router and the ethernet.

step 3

Check whether the CIP is ready to use



- When the orange and green LEDs are both on constantly, the CIP is ready for use. Does the green LED continue to flash? Then reset the WiFi module: see 'Connecting the CIP to another WiFi network' (p. 10) and start again from step 2.

4. Logging in and selecting a CIP service

Is the CIP ready to use? Then follow the instructions below to log in and select a CIP service directly.

- Using the browser of your smartphone, tablet, laptop or PC go to **CIP.obd.help**
- Now log in (you have received your login details by e-mail).
- Select the CIP connector number.
- The chassis number is shown via the automatic VIN detection. If the VIN is not detected, click on 'Enter VIN manually'. Enter the correct chassis number here and click on 'next'.
- Check whether the vehicle description is correct.
- You will now see a selection menu* with possible CIP Services for the specific vehicle.
- In this menu, select the service you want to have executed and follow the instructions.

* Would you like to change the language settings? Click on the menu icon top right and under 'Language' select the desired language.

How do I order a CIP service, such as key programming?



Order directly via the CIP

Create ticket

Service to be carried out

Select 1 service:

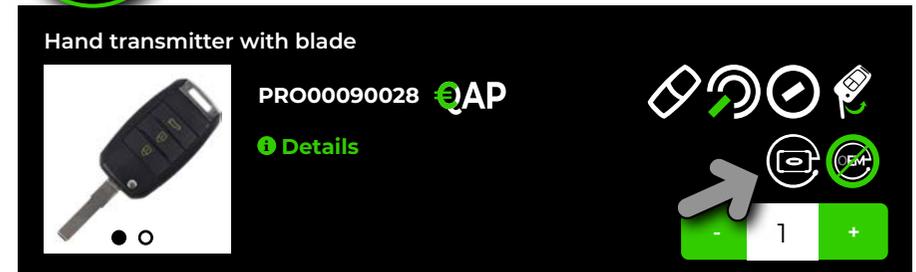
- Programming transponder key**
Transponder key programming

- As well as ordering in advance you can also connect the CIP to the vehicle, and then select a CIP service.
- Via VIN detection, you get an overview of all possible CIP services for the specific vehicle.
- The service you have selected will be started directly.

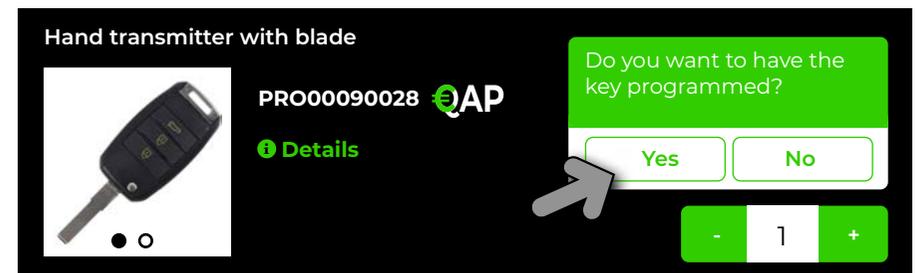


Order in advance via www.carlocksystems.com

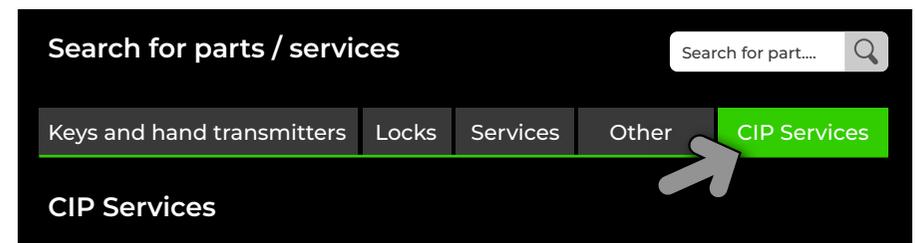
Login to www.carlocksystems.com and enter the chassis number of the vehicle.



Ordering a car key? The CIP logo shows whether the car key is CIP-compatible.



If you want to have the key programmed, you select 'yes'. Once you have received the key you ordered, all you need to do is connect the CIP to the car to programme the key. The CIP will recognise the vehicle and automatically start up the pre-ordered programming.



Other CIP services, such as tow bar programming can be found at the top right in your ordering screen under the 'CIP Services' tab. Via VIN detection, you get an overview of all possible CIP services for the specific vehicle. You can also order these services in advance. Similar to key programming, the CIP will recognise the vehicle and you can directly select and start it.

Code-2 keys pre-encrypted with the CIP

With the CIP*, you can also quickly program so-called 'code-2 car keys' (without pre-coding from the factory) with the CIP. Car Lock Systems offers by (in-house developed) car keys and hand transmitters for this purpose. You will recognise these during ordering by the pre-coding logo.



*This function is **not** available for the **CIP Lite**.

How exactly does the pre-coding with the CIP work?

- You connect the CIP to the vehicle and the pre-coding is then read out.
- You then place the new car key (which you have ordered in advance) in the key holder of the CIP. This will code the transponder correctly within a few minutes.
- You can now have the car key programmed to the car using the CIP.

Thanks to the CIP you no longer need to order pre-coded car keys from the factory; instead you can just order them quickly and easily from Car Lock Systems. You will already have a Code 2 car key programmed within one day!



Connecting the CIP to another network

The CIP only remembers 1 WiFi network. This is the network to which the CIP is connected. Do you want to use CIP via another network? For example if you are traveling or in a different location? Then follow the instructions below.



- Connect the CIP to a vehicle.
- Use a reset pin or a paper-clip and press the reset switch in for approx. 2 seconds.
- The orange LED lights up continuously and the green LED flashes slowly.
- Now go to chapter **3. How to connect to the CIP** (p. 6) and run through steps **2** and **3**.

5. Tips when programming with the CIP

- Use a separate WiFi network for your workplace, i.e. not the guest WiFi.
- Make sure that **all car keys** and any security codes for the vehicle are available and check in advance that all batteries are still working properly.
- Place **all car keys** within easy reach. Sometimes being able to act fast is essential.
- Make sure that the battery is connected to a good support charger.
- Lock the vehicle during programming.
- For PSA vehicles: **never** mix up loose transponders and hand transmitters. This is because they are connected.
- For software updates, preferably connect the CIP wired. A good internet connection is crucial.
- Many car brands use PIN code security. Make sure you have this PIN code to hand. Don't have the PIN code? In many cases, we can retrieve it for you at an extra charge.





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KEY TO MOBILITY

Contact



CIP-Helpdesk

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