CCS2 TO CHAdeMO ADAPTER
OPERATION MANUAL

CCS2

CHAdeMO

Ⅰ.COMMUNICATIONS REGULATION

WIRELESS AND ELECTROMAGNETIC INTERFERENCE

The device described in this manual may cause interference of wireless electromagnetic wave. If the correct use principle in this manual is not followed, it may cause interference to wireless TV and broadcasting.

STANDARD-COMPLIANT

The adapter complies with the European Electromagnetic Interference standard (LVD)2006/95/EC and (EMC)2004/108/EC
The communication protocol is DIN 70121.

ERRORS AND OMISSIONS

If you find any errors or omissions in this manual, please notify your local distributor by email.

SAVE THESE IMPORTANT SAFETY INSTRUCTIONS. (This document contains important instructions and warnings that must be followed when use the adapter)

WARNINGS

- Read this document before using the CCS2 Converter Adapter . Failure to follow any of the instructions or warnings in this document can result in fire, electrical shock, serious injury or death.

- The CCS2 Converter Adapter is designed only for charging corresponding vehicle. Do not use it for any other purpose or with any other vehicle or object. Th Converter Adapter is intended only for vehicles that do not require ventilation during charging.

- Do not use the CCS2 Converter Adapter if it is defective, appears cracked, frayed, broken or otherwise damaged, or fails to operate.

- Do not attempt to open, disassemble, repair, tamper with, or modify the CCS2 Converter Adapter. The adapter is not user serviceable. Contact the reseller for any repairs.

- Do not disconnect the CCS2 Converter Adapter while charging the vehicle.

- Do not use in extreme weather.

- When using or transporting the CCS2 Converter Adapter, handle with care and do not subject it too strong force or impact or pull, twist, tangle, drag or step on the CCS2 Converter Adapter to protect from damage to it or any components.

- Protect the CCS2 Converter Adapter from moisture, water and foreign objects at all times. If any exist or appear to have damaged or corroded the CCS2 Converter Adapter, do not use the CCS2 Converter Adapter.

- Do not touch the CCS2 Converter Adapter's end terminals with sharp metallic objects, such as wire, tools or needles.

- If rain falls during charging, do not allow rainwater to run along the length of cable and wet the CCS2 Converter Adapter or the vehicle's charging port.

- If the COMBO 2 charging station's charge cable is submerged in water or covered in snow, do not insert the CCS2 Converter Adapter's plug. If, in this situation, the CCS2 Converter Adapter's plug is already plugged in and needs to be unplugged, stop charging first, then unplug the CCS2 Converter Adapter's plug.

- Do not damage the CCS2 Converter Adapter with sharp objects.

- Do not insert foreign objects into any part of the CCS2 Converter Adapter.

- Ensure that the COMBO 2 charging station's charge cable and the CCS2 Converter Adapter do not obstruct pedestrians or other vehicles or objects.

- Use of the CCS2 Converter Adapter may affect or impair the operation of any medical or implantable electronic devices, such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator. Check with the electronic device manufacturer concerning the effects that charging may have on such electronic device before using the CCS2 Converter Adapter.

- Do not use cleaning solvents to clean the CCS2 Converter Adapter.

- If you have any questions or concerns about your CCS2 Converter Adapter, contact the local reseller.

Ⅱ.SPECIFICATIONS

Use only to connect the charging cable on a COMBO 2 charging station to a vehicle that has been enabled for DC charging. The location of the charge port will vary depending on your vehicle model. Refer to your vehicle's owner documentation for the location of the charge port and more detailed charging instructions.

Full current may not be available when operating at extreme temperatures.

CAUTION: Do not operate or store the CCS2 Converter adapter in temperatures outside the ranges listed above.

Current	200ADC MAX CONT
Voltage	100-1000 VDC
IP Degrees	IP54
Operating Temperature	−22°F to 122°F −30°C to +50°c
storage Temperature	−40°F to +185°F −40°C to +85°C
Packing size(L*W*H)	330*220*105mm
Weight (kg/pound)	2.1kg

Ⅲ.CHARGING TIME

The product is only applicable to the COMBO2 charger station for the Vehicle DC fast charging. Different brands of Vehicle has different DC charger port location. Please refer to the user manual of the specific vehicle brand, find the corresponding DC charge port and understand its charging process.

The charging time depends on the available voltage and current of the charging station. Affected by various factors, charging time may also be affected by the temperature of the vehicle battery: too high or too low temperature of the vehicle battery may limit the charging current, or even do not allow charging to start. The vehicle will heat or cool the power battery before it is allowed to charge. For detailed information on charging performance parameters, please refer to the official website of your purchased vehicle.
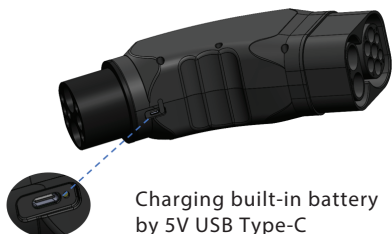
Ⅳ.CHARGING OPERATION STEPS

1. Insert the adapter into the car first, and then insert the CCS plug into the adapter.
2. Follow the instructions on the charger station to start the charging session.
3. Press and hold the power button of the adapter for 3-5 seconds until the light flash. The powerbutton is shown below.
4. When charging finished or want to stop charging during the charging process, single pressed any aluminum alloy stop buttons on the left and right sides to stop charging.
5. After charging is completed, first unplug CCS plug, and then unplug the adapter from car.

aluminum alloy stop button
power button (with light)
aluminum alloy stop button

NOTES:

- The operation of the COMBO 2 charging station
  will depend on different charging-station's manufacturer.
  For details, refer to the COMBO 2 charging station's instructions.
- If the CCS2 Converter adapter is not used for a long time (about two months),
  the built-in battery will lose power. Please charge built-in battery at least 10 hours
  before using.

Charging built-in battery
by 5V USB Type-C

Ⅴ.UNPLUGGING STEPS

When charging is complete:

1. Pressed and hold the CCS side stop button of the adapter, pull of the charger port from adapter

2. Pressed and hold the CHAdeMO side stop button of the adapter, pull of the adapter from EV DC Charger port.

Ⅵ.Software Upgrade.

This adapter supports software upgrades to deal with incompatibilities caused by software upgrades of charging station. Please copy the original U disk files to your laptop, include the Debug tools and Driver files.

Adapter software upgrade method:
a) Ensure the USB flash drive is empty and copy the upgrade software to the U Disk.
Upgrade software file name must be My407ccs2chademo.bin,
couldn't My407ccs2chademo(1)…, If yoursoftware file have suffix (1)… you need change the
file name that delete suffix (1)…
b) Plug the U Disk into the upgrade cable, and then plug the upgrade cable into the TYPE C
porton the bottom of the adapter.
c) The Type A (big head) of the power cable plug into the mobile phone charger or power
bank or the USB port of the computer.
d) Plug the Marco USB(small head) of the power cord into the upgrade cable to upgrade.
During the upgrade process, the light on the U Disk will flash several times and then turns
off. After the light of U Disk turns off, wait 3-5 seconds and unplug the upgrade cable from
 the adapter. The upgrade is complete.

Ⅶ.Serial port tool and Debug Log.

1.Open Serial Port Debug tool folder, and double-click sscom5.13.1 to open the serial port
debugging software.

🏠 sscom5.13.1	2018/11/22 17:02
📄 sscom51	2023/12/30 11:17

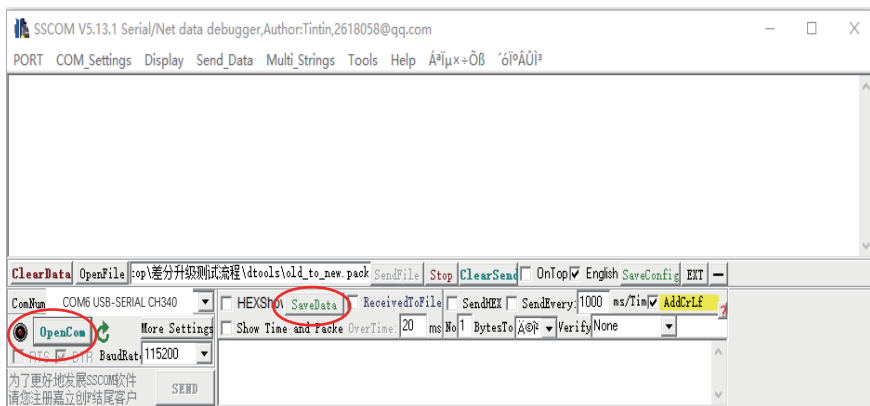2.Insert the type C (small head) of USB serial port debugging cable to the adapter, Insert the
 type A (big head) of serial port debugging cable to Laptop.

3.The baud rate choose 115200. ComNum choose COM(X) USB-SERIAL CH340. Tick
English. If there isn't USB-SERIAL CH340 in the list, the Laptop need to install driver.
Please install serial driver in U disk file: Debug Cable Serial DLL setup \CH341SER\SETUP.
After double click SETUP to install serial driver, and then it will show USB-SERIAL CH340.

4.Click to OpenCom, and then use the adapter to charge the car as normal. After the
adapter works, the serial port tool will output debugging information. After the test is
completed, click Save data, and the debugging information will be automatically saved
to the folder where the debugging tool is located.

5.Please send the current saved TXT log file, don't send the DAT file.

Trouble shooting

1. When the adapter connected the car and charge gun, after pressed and held the power on button, the LED flashing and shut off LED again, please check if one of the stop button was pressed, please take it out and plug in again to ensure the stop button is released.

2. When failed on the charger station, please charger your adapter or get the log files and send the log files to your reseller.

3. If the Leaf car show a warning during a failed charger process, like below picture.

4. Then don't worry, you can use the Leafspy to clear DTCs, you can Read DTCs, then Clear DTCs, then your car warning will be disappear.