BLAUPUNKT

EV DC Adapter
CCS2 to GBT Adapter
Operation Manual

Enjoy it.

Please read this instruction carefully
before using the product.

I. Communications Regulation

Wireless and Electromagnetic Interference

This device may emit electromagnetic waves that can interfere with wireless signals. If the operating instructions in this manual are not followed, interference with wireless TVs or radio broadcasts may occur.

Standards Compliance

This adapter meets the European standards for electromagnetic interference:

Low Voltage Directive (LVD) 2006/95/EC

Electromagnetic Compatibility (EMC) 2004/108/EC
The communication protocol used is DIN 70121.

Corrections and Feedback
If you notice any mistakes or omissions in this manual, please notify your local distributor by email.

IMPORTANT: Please keep this manual. It contains essential safety warnings and operational instructions that must be followed when using the adapter.

WARNINGS

• Read this manual thoroughly before using the CCS2 Converter Adapter.

• Failure to follow the instructions may result in fire, electric shock, serious injury, or even death.

• The adapter is intended exclusively for charging compatible electric vehicles.

- Do not use it for any other purpose, and do not attempt to charge incompatible vehicles or objects.

- This adapter is only for vehicles that do not require ventilation during charging.

- Do not use the adapter if it is damaged, cracked, frayed, or otherwise defective.

- Do not attempt to open, disassemble, repair, or modify the adapter under any circumstances. Doing so may result in serious injury or damage to the equipment.

- Do not disconnect the adapter while charging the vehile.

- Always operate the adapter within the designated temperature range and environment described in this manual.

- Keep the adapter away from heat sources, open flames, and flammable materials.

- Do not touch the adapter's ends with sharp metallic objects such as wire, tools or needles.

- Do not damage the adapter with sharp objects.

- Do not expose the adapter to water, rain, snow, or extreme moisture. If the adapter or cable of the charging station appears to be exposed to a significant amount of liquid, such as heavy rain or snow, discontinue use immediately.

- If you use a medical device such as a pacemaker or insulin pump, consult your doctor before using this equipment. Electromagnetic fields from the adapter may interfere with such devices.

- Do not insert foreign objects into any part of the adapter.

- Do not use the adapter if it has been dropped, crushed, or exposed to significant impact.

- This product is designed for use by qualified personnel. Improper use may result in damage or injury.

- Ensure that the CCS2 charging station's connector is clean and undamaged before use.

- When charging, make sure the CCS2 Adapter is fully connected and properly inserted into the vehicle's charging port.

- Do not force the adapter into a port that does not match or if you encounter resistance.

- Always unplug the adapter after charging is complete.

- Do not use the adapter for any purpose other than charging electric vehicles designed to accept GBT ports through a CCS2 interface.

- The location of the charging port may vary depending on your vehicle model. Refer to your vehicle documents for charging port location and more detailed charging instructions.

II. Operating Conditions

The adapter should be used and stored within the following conditions:

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

CAUTION: Using the adapter outside of these specified ranges may lead to product malfunction or safety risks.

Current	200A/250A DC
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)	355*212*105mm
Weight (kg/pound)	2.7kg

III. Charging Time

The charging time depends on the available voltage and current of the charging station and the corresponding uptake limits of the electric vehicle. Further, it is affected by the temperature of the vehicle battery, temperatures on the upper and lower limits of the recommended range may inhibit charging speed or even prevent charging all together. Consult your car dealer for information on charging times and temperature limits.

IV. Charging Operation Instructions

Please follow the steps below when using the CCS2 to GBT DC Adapter:

1. Connect the Adapter to the Vehicle First:
Insert the adapter into the vehicle's GBT charging socket before connecting it to the CCS2 charging gun.

2. Connect the CCS2 Charging Plug:
Insert the CCS2 charging gun into the adapter's inlet securely.

3. Activate the Adapter:
Press and hold the power button (located on the adapter) for 3–5 seconds until the indicator light turns on.

4. Begin Charging:
The charging station should recognize the connection and begin charging automatically. Follow any additional prompts from the charging station as needed.

5. Stop Charging:
When charging is complete, press both aluminum stop buttons on the adapter simultaneously to end the session.

6. Disconnect in Reverse Order:
First, remove the CCS2 charging plug from the adapter. Then unplug the adapter from the vehicle.

Stop button   Power button   Stop button

Note:
The adapter has a built-in battery that powers its internal control system. If unused for more than two months, it must be recharged via the USB Type-C port for at least 10 hours before use.

Built-in battery charging port, USB Type-C (5V)

V. Unplugging Instructions

Follow these steps to safely disconnect the adapter and charging equipment:
1. Remove the CCS2 Plug (from the vehicle end):
-Press and hold the stop button on the CCS2 side of the adapter to unlock it.
-While holding the button, pull out the CCS2 charging plug.
2. Remove the Adapter from the Vehicle (GBT side):
- Press and hold the stop button on the GBT side of the adapter.
- Gently remove the adapter from the vehicle's charging port.

VI. Software Upgrade Guide

The adapter supports firmware upgrades via USB flash drive (U disk). Follow these steps for a successful update:

1. Prepare Upgrade Files: Copy the upgrade software and USB driver to a USB flash drive.

2. Connect the USB Drive: Plug the USB flash drive into the adapter's Type-C port.

3. Power the Adapter: Connect a phone charger or USB power source to the Type-C port to provide power.

4. Upgrade Process: The LED indicator will flash during the upgrade process.

Once the light stays on steadily, the upgrade is complete.

⚠ Do not disconnect power or remove the USB drive during the upgrade process.

| Upgrade Cable | USB Type-C | Debug Cable | U Disk |

VII. Serial Port Debugging Tool Instructions

The adapter supports debugging and log reading using a USB-to-serial connection. Follow the instructions below to perform diagnostics:

Requirements
-A laptop or PC
-USB-A to USB-C cable (data capable)
-Serial port monitoring tool: sscom5.13.1
-CH340/CH341 serial port driver

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

VIII. Steps to Enable Debug Mode

1. Launch the Serial Port Tool:
- Open sscom5.13.1 or a similar terminal software on your PC.
2. Connect the Adapter to Your Computer:
- Use a USB-C to USB-A cable to connect the adapterto your laptop's USB port.
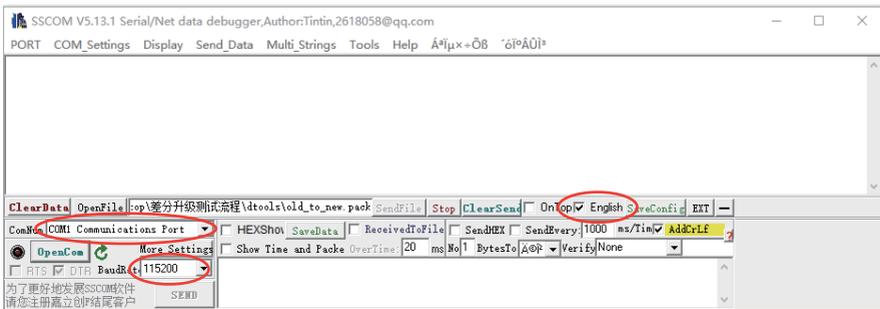- Ensure the Type-C port on the adapter is connected.

3. Configure the Serial Settings:
- Baud Rate: Set to 115200
- Tick the box for English
- ComNum: Select "COM(X) USB-Serial CH340"

⚠ If your computer does not automatically recognize the device, you may need to install the CH341SER driver manually.
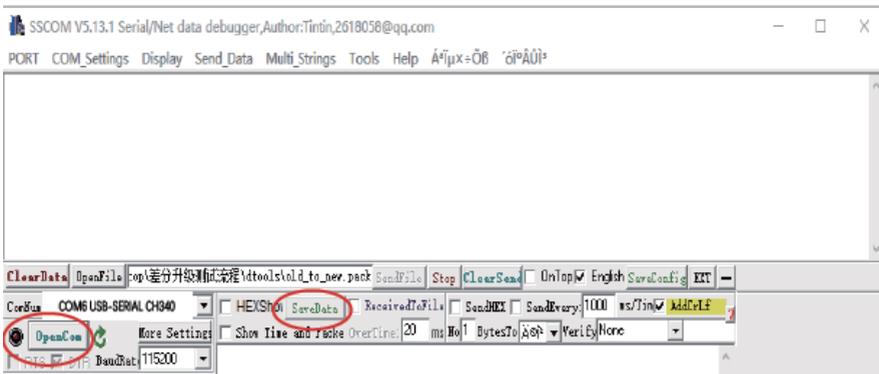
(3.1) Driver Installation Instructions:
- Find the driver Setup file in the U disk under (Debug Cable Serial DLL setup/CH341SER/SETUP).
- Double click "Setup", then USB-Serial CH340 should be available in the debugging tool.

4. Start Monitoring Logs:
- Click OpenCom, then connect the adapter to the car as if you are charging normally.
- Once connected, you will see the Serial Port Tool output real-time debugging information in the terminal.
- After the test is completed the information will be saved to the folder on which the debugging tool is located.

5. Technical Support:
- Logs can be saved for later analysis or shared with technical support. Please share the data in a TXT file (not DAT)

IX. Troubleshooting Guide

If you encounter these common issues while using the CCS2 to GBT adapter, refer to the following checklist for solutions:

Problem 1: LED Indicator Turns On Briefly and Then Goes Off
Cause:

The stop buttons may be stuck or pressed unintentionally.

Solution:

Ensure that both stop buttons are fully released and not jammed.

Press and release each button a few times to confirm free movement.

Power on the adapter again by holding the power button for 3–5 seconds.

Problem 2: Charging Station Fails to Start Charging
Possible Causes:

The adapter's internal battery may be depleted.

A communication error occurred between the adapter and the charging station.

Solutions:

Recharge the adapter via the USB Type-C port for at least 10 hours using a standard phone charger.

If the issue persists, connect the adapter to a PC and collect debug logs using the serial tool.

Send the log file and a description of the problem to your reseller or technical support for assistance.

⚠ Tip:
Always ensure the adapter has sufficient battery power and the firmware is up to date for reliable operation.

EVSE

Info@blaupunkt-ev.com

BLP EV Systems ApS
Ediths Allé 8
5250 Odense SV
Denmark