

## keisnoaja EB-402-0083-CCS1-XGDX

# keisnoaja CCS1 to CHAdeMO EV Charger Adapter User Manual

Model: EB-402-0083-CCS1-XGDX

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your keisnoaja CCS1 to CHAdeMO EV Charger Adapter. Please read this manual thoroughly before operating the device and retain it for future reference. The keisnoaja CCS1 to CHAdeMO EV charging adapter is designed to provide fast DC charging for CHAdeMO-compatible electric vehicles using CCS1 charging stations. It supports high power delivery up to 250kW, with a maximum current of 250A and voltage of 1000V DC. Constructed from durable ABS+PC materials and featuring IP54 waterproof rating, this adapter ensures reliable and safe charging in various conditions.

## 2. PRODUCT OVERVIEW

### 2.1. Features

- **Fast Charging:** Provides charging power up to 250kW, supporting a maximum current of 250A and 1000V DC.
- **High Quality Material:** Made of durable ABS+PC materials, resistant to high temperatures. Pins are made of alloy and silver-plated material for enhanced durability.
- **Safety Protection:** Fully tested and CE certified. Operates effectively in temperatures from -40°C to 85°C. Flame retardant grade UL94.
- **Robust Automotive Design:** Engineered for durability and long-term reliability in automotive environments.
- **IP54 Waterproof:** Can be used safely in rainy conditions.

### 2.2. Components

- 1 x CCS1 to CHAdeMO EV Charger Adapter
- 1 x Battery Charger (for internal adapter battery)
- 2 x Car Charger (likely referring to the adapter's connectors)



Figure 2.2.1: CCS1 to CHAdeMO EV Charger Adapter



## **CCS1 to CHAdeMO DC Adapter**

**Size: L\*W\*H 35cm\*17.2cm\*10cm**

Figure 2.2.2: Adapter Dimensions (L\*W\*H 35cm\*17.2cm\*10cm)



Figure 2.2.3: Compatible Charging Types (CCS1)

### 3. SETUP

#### 3.1. Battery Assembly Instructions

**Tools Required:**

- Crosshead screwdriver (Size: 4.0mm)
- 18650 battery (one end protruding)

**Assembly Steps:**

1. Use the crosshead screwdriver to unscrew the screws securing the battery compartment.
2. Insert the 18650 battery into the compartment, ensuring that the protruding end faces outward. Check that the connection of the battery cover is secure, as indicated in the figure below.
3. Gently tuck the connecting wire into the battery compartment, then cover it with the battery cover, ensuring a

snug fit with the battery tab.

4. Press down on the battery cover by hand to secure it, preventing any risk of detachment. Turn on the switch and check for power. If powered, you can proceed to install the screws. If not, repeat steps 2 and 3.

#### Notes:

- Avoid pulling on the battery connection wire, as this may affect the battery's ability to function properly.
- Before installing screws, ensure that the battery is successfully powered.
- If the battery connection wire is found loose, repeat steps 2 and 3.

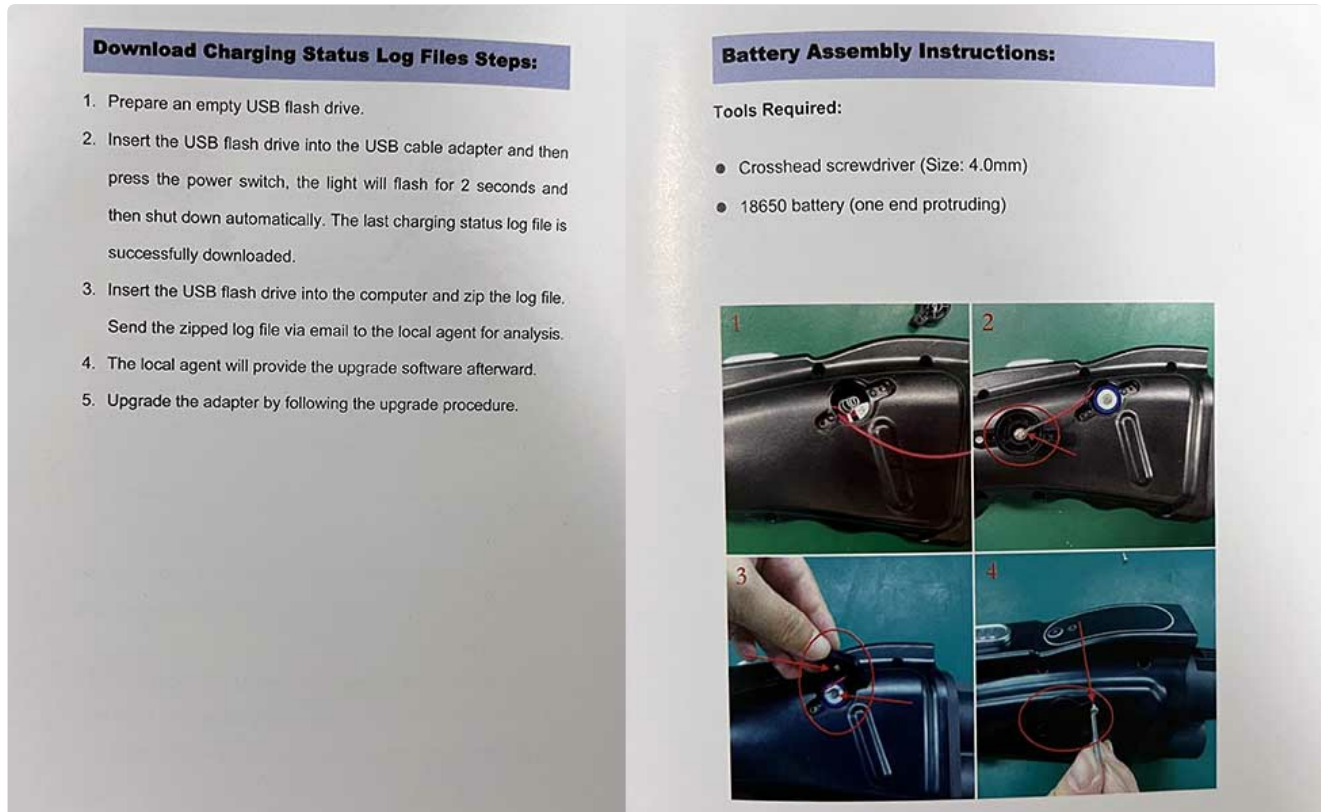


Figure 3.1.1: Battery Assembly Diagram

## 4. OPERATING INSTRUCTIONS

### 4.1. How to Use the Adapter

1. Ensure your CHAdeMO vehicle is in "P" (park) mode and the instrument panel is turned off. Then, open the DC charging port on your vehicle.
2. Plug the CHAdeMO connector into your CHAdeMO vehicle.
3. Connect the charging station's cable to the adapter. To do this, align the CCS1 end of the adapter and push until it clicks into place. The adapter features distinct "keyways" designed to align with the corresponding tabs on the cable.
4. Turn on the CCS1 to CHAdeMO adapter (long press 2-5 seconds to power on).
5. Follow the instructions displayed on the CCS1 charging station's interface to start the charging process.
6. Safety is paramount, so always adhere to the necessary precautions while using charging equipment to prevent accidents or damage to your vehicle or the charging station.





Figure 4.1.1: Connection Diagram

place. The adapter features distinct "keyways" designed to align with the corresponding tabs on the cable.

4. Turn on the CCS1 To CHAdeMO adapter (long press 2-5 seconds to power on).
5. Follow the instructions displayed on the CCS1 charging station's interface to start the charging process.
6. Safety is paramount, so always adhere to the necessary precautions while using charging equipment to prevent accidents or damage to your vehicle or the charging station.

### Warranty:

This product includes a 1-year warranty against manufacturing defects. The warranty does not cover misuse, mishandling, negligence, vehicle accidents, or modifications. The warranty only covers manufacturing defects.

For any issues, please contact your dealer or agent.



## Cautions

- ▲ Do not use this product if there is any damage to the EV cable, the vehicle connector, or the vehicle inlet.
- ▲ Avoid dismantling, dropping, or heavy impact on the adapter.
- ▲ Clean only with a dry cloth; do not use cleaning solvents.
- ▲ Always keep the adapter away from moisture, water, and foreign objects. If there are any signs of damage or corrosion on the adapter, do not use it.
- ▲ Do not touch the end terminals.
- ▲ If the unit is defective or damaged, do not use it.
- ▲ Do not disconnect under load - risk of electrical shock.
- ▲ Do not use in extreme weather conditions.

Figure 4.1.2: How to Use Guide

Video 4.1.1: Demonstrating the connection of the CCS1 to CHAdeMO adapter to an EV and the display of charging status on the charging station.

Video 4.1.2: Showcasing the physical features and components of the CCS1 to CHAdeMO EV Charger Adapter, including its connectors and buttons.

## 4.2. How to Charge the Adapter's Battery

The adapter is equipped with a 3500 mAh battery.

### Notes:

- When you receive the product, please connect the adapter to Type-C for charging.
- Its charging voltage is 5V and the current is 1-2A.
- It takes 1.5 hours to fully charge using Type-C.

### Charging Indicator Light Explanation:

- The indicator light flashes 2 times quickly during charging (the interval between each time is 1s).

### Reminder:

- Please charge your adapter battery before the car runs out of power.

#### Assembly Steps:

1. Use the crosshead screwdriver to unscrew the screws securing the battery compartment.
2. Insert the battery into the compartment, ensuring that the protruding end faces outward. Check that the connection of the battery cover is secure, as indicated in Figure.
3. Gently tuck the connecting wire into the battery compartment, then cover it with the battery cover, ensuring a snug fit with the battery tab.
4. Press down on the battery cover by hand to secure it, preventing any risk of detachment. Turn on the switch and check for power. If powered, you can proceed to install the screws. If not, repeat steps 2 and 3.

#### Notes:

- Avoid pulling on the battery connection wire, as this may affect the battery's ability to function properly.
- Before installing screws, ensure that the battery is successfully powered.
- If the battery connection wire is found loose, repeat steps 2 and 3.

#### How to Charge the Adapter's Battery:

#### Notes:

- The adapter is equipped with a 3500 mAh battery.
- When you receive the product, please connect the adapter to Type-C for charging.
- Its charging voltage is 5V and the current is 1-2A.
- It takes 15 hours to fully charge using Type-C.

#### Charging Indicator Light Explanation:

- The indicator light flashes 2 times quickly during charging (the interval between each time is 1s).

#### Reminder:

- Please charge your adapter before the car runs out of power.

Figure 4.2.1: Battery Charging Instructions

## 5. MAINTENANCE

To ensure the longevity and proper functioning of your adapter, follow these maintenance guidelines:

- Clean only with a dry cloth; do not use cleaning solvents.
- Always keep the adapter away from moisture, water, and foreign objects.
- If there are any signs of damage or corrosion on the adapter, do not use it.

## 6. TROUBLESHOOTING & CAUTIONS

Observe the following cautions to prevent damage to the adapter or injury:

- Do not use this product if there is any damage to the EV cable, the vehicle connector, or the vehicle inlet.
- Avoid dismantling, dropping, or heavy impact on the adapter.
- Do not touch the end terminals.
- If the unit is defective or damaged, do not use it.
- Do not disconnect under load - risk of electrical shock.
- Do not use in extreme weather conditions.

### 6.1. Software Upgrade Steps

#### Items to Prepare:

- 1. Type C-USB transmission cable \* 1



- 2. USB flash drive without files \* 1

### Operating Steps:

1. Store the upgrade file with a .JPG suffix on an empty USB flash drive. Then follow the steps below to upgrade the device with the latest software provided by the distributor.

NOTE: MAIN\_CCS1CHAdemo\_1.JPG (Universal version)

2. Open the soft rubber case at the bottom of the product.
3. Use the Type C interface to connect to the product.
4. Insert the USB flash drive into the USB cable adapter, press the power button, the light will flash for about 10 seconds, and then shut down automatically.
5. Pull out the USB flash drive and press the power button again, the light will flash for 10 seconds and then shut down automatically. The upgrade process is successfully completed.

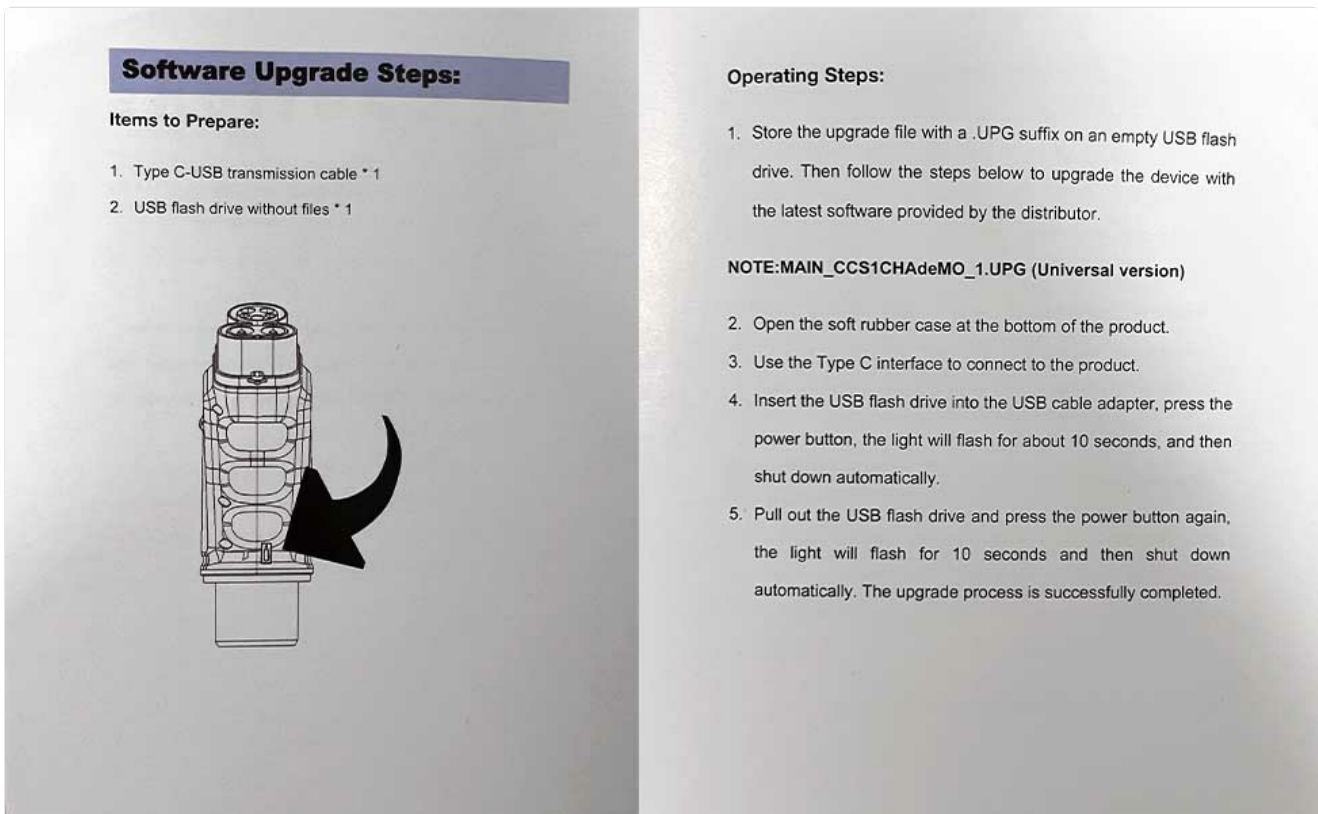


Figure 6.1.1: Software Upgrade Diagram

## 6.2. Download Charging Status Log Files Steps

1. Prepare an empty USB flash drive.
2. Insert the USB flash drive into the USB cable adapter and then press the power switch, the light will flash for 2 seconds and then shut down automatically. The last charging status log file is successfully downloaded.
3. Insert the USB flash drive into the computer and zip the log file. Send the zipped log file via email to the local agent for analysis.
4. The local agent will provide the upgrade software afterward.
5. Upgrade the adapter by following the upgrade procedure.

### Download Charging Status Log Files Steps:

1. Prepare an empty USB flash drive.
2. Insert the USB flash drive into the USB cable adapter and then press the power switch, the light will flash for 2 seconds and then shut down automatically. The last charging status log file is successfully downloaded.
3. Insert the USB flash drive into the computer and zip the log file. Send the zipped log file via email to the local agent for analysis.
4. The local agent will provide the upgrade software afterward.
5. Upgrade the adapter by following the upgrade procedure.

### Battery Assembly Instructions:

#### Tools Required:

- Crosshead screwdriver (Size: 4.0mm)
- 18650 battery (one end protruding)



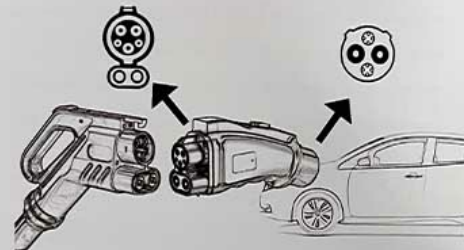
Figure 6.2.1: Log File Download Diagram

## 7. SPECIFICATIONS

### Main Parameters:

Parameter	Specification
Rated Current	250A Max
Rated Voltage	1000VDC Max
Contact Impedance	0.5 mΩ Max
Fireproof Grade of Rubber Shell	UL94V-0
Waterproof Grade	IP54 (mating)
Plastic Shell	Thermoplastic plastic
Conductor	Copper alloy, silver plated surface
Working Environment Temperature	-30°C - +50°C (-22°F - 122°F)
Terminal Temperature Rise	<50K
Insertion and Extraction Force	<100N
Weight	88.18oz (2.5kg)
Package Size (L x W x H)	1.148 ft (35 cm) x 0.564 ft (17.2 cm) x 0.328 ft (10 cm)

### How to Use:



CCS1 Charging Station

CHAdeMO Car

1. Ensure your CHAdeMO vehicle is in "P" (park) mode and the instrument panel is turned off. Then, open the DC charging port on your vehicle.
2. Plug the CHAdeMO connector into your CHAdeMO vehicle.
3. Connect the charging station's cable to the adapter. To do this, align the CCS1 end of the adapter and push until it clicks into

Figure 7.1.1: Main Parameters Table

## Product Specifications

Parameter	Specification
Rated Current	250A Max
Rated Voltage	1000VDC Max
Contact Impedance	0.5 mΩ Max
Fireproof Grade of Rubber Shell	UL94V-0
Waterproof Grade	IP54 (mating)
Plastic Shell	Thermoplastic plastic
Conductor	Copper alloy, silver plated surface
Working Environment Temperature	-30°C to +50°C (-22°F to 122°F)
Terminal Temperature Rise	<50K
Insertion and Extraction Force	<100N
Weight	88.18oz (2.5kg)
Package Size (L x W x H)	1.148 ft (35 cm) x 0.564 ft (17.2 cm) x 0.328 ft (10 cm)
Item Model Number	EB-402-0083-CCS1-XGDX
Manufacturer	keisnoaja
Country of Origin	China
Connectivity Technology	EV Charger
Connector Type	CCS1 To CHAdeMO
Compatible Devices	DC
Special Feature	Fast Charging
Input Voltage	1000 Volts
Amperage	250 Amps
Wattage	250000 Watts

## 8. WARRANTY

This product includes a 1-year warranty against manufacturing defects. The warranty does not cover misuse, mishandling, negligence, vehicle accidents, or modifications. The warranty only covers manufacturing defects.

## 9. SUPPORT

For any issues or further assistance, please contact your dealer or agent.