

# Keba Charging Network via OCPP

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This guide describes the configuration of a Keba charging station network (x-Series as Master, c-Series as Slaves) and its integration into the central management system via OCPP.

## 1. Configure Keba P30 x-Series for OCPP

### Hardware Activation

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- Set the DIP switch **DSW2.5** on the x-Series to **ON**.
- Restart the wallbox (press the reset button for 2 seconds) to apply the switch settings.

### OCPP Settings (WebUI)

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- **OCPP Communication Type:** OCPP 1.6 JSON
- **Central System Address:** IP address of your central management system
- **Central System Port:** 8550
- **Central System Path:** Any path
- **Authentication Method:** BasicAuthentication
- **Authorization Key:** Any key
- **Meter values during charging session:** 5 sec

### Authorization Settings

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Navigate to *Configuration > Device* and set the following values:

- **Authorization:** ON
- **Online Authorization Mode:** FirstOnline
- **Offline Authorization Mode:** OfflineNoAuthorization

## 2. Configure Keba Charging Network (Master/Slave)

- **Prepare Hardware:** Set the DIP switch **DSW2.5** to **ON** on all c-Series units (Slaves).
- **Network:** Connect all charging stations (Master and Slaves) to the same network.
- **Restart:** Power the slaves or perform a reset to activate the switch settings.

- **Configure Master (x-Series WebUI):**

- Navigate to *Charging Network*.
- Adjust *No of Charging stations* (total count including the Master, e.g., 3 for 1 Master + 2 Slaves).
- Enter the serial numbers of all slave wallboxes in the *Serial No.* column under *Chargepoint Parameters*.
- Click *Apply*.

- **System Restart:** Navigate to *System* and perform a *Restart System*.

**Note:** This process may take some time. Once complete, the c-Series stations are subordinate to the Master.

### 3. Connection to the Central Management System

- **DDF Upload:** Load the "OCPP" DDF into the *DeviceStation* of your central management system.
- **Configuration:** All charging points must be entered according to the schema: [Master-Serial-Number] : [Connector-ID] , [Master-Serial-Number] : [Connector-ID] , ...
- **Important:** Do not use any spaces.
- **Identifying IDs:** Connector IDs are found in the Master WebUI under *Charging Network > Chargepoint Parameters*.
- **Example:** For a network with 3 charging stations (1 Master x-series, 2 Slaves c-series with Master SN 75996675): 75996675 : 1 , 75996675 : 2 , 75996675 : 3