



Release Note

EVlink Pro DC 180 firmware version 2.7.06

Date: 17-01-2025

What's new? (summarized)

Improvement:

- **Image based tariff display feature.**
- **Passed OCPP 1.6 full certification and security extension certification.**
- **Added support for charge scenario: swap RFID card then plug in connector.**

- **Document scope**

This release note presents the new features and modifications added to EVlink Pro DC 180 charging station. The firmware release does not directly apply to EVlink Pro 180 DC with M4 firmware version lower than 132. See "Known limitations and issues" of this note for detail.

This release for the EVlink firmware is a mandatory update to benefit from the full functionalities of EVlink Pro DC 180 range.

Download the update file from the Schneider website

- **Firmware upgrade :**

There are 3 possibilities to upgrade the firmware of EVlink Pro DC 180

- A. With webpage from the charger.
- B. Through OCPP
- C. Upgrade through EV Charging Expert

Here under the description for each use-case:

A. Firmware upgrade procedure with firmware webpage

Schneider Electric Industries SAS

35, rue Joseph Monier
CS 30323
F - 92506 Reuil Malmaison Cedex

www.se.com

Electrical equipment and systems must be installed, connected and used in compliance with prevailing standards and/or installation regulations.

As standards, specifications and designs change from time to time, always ask for confirmation of the information given in this publication.
© Schneider Electric - All rights reserved.

The procedure described here allows the firmware to be updated when the charging station is installed:

- **Firmware(CCS2+CCS2) (Used for EVD1S180TBB_EVD1S150TBB_EVD1S120TBB)**
firmware_(A7_2.7.06)_(M4_133)_(SECC_1.6.6)_(CCS2+CCS2).zip
SHA256 checksum: b1c048c8555532b5f46dd9c11e920856ec29ce55fea7b942826ae7fdb8633fa2
- **Firmware (CCS2+CHAdemo) (Used for EVD1S180THB_EVD1S150THB_EVD1S120THB)**
firmware_(A7_2.7.06)_(M4_133)_(SECC_1.6.6)_(CCS2+CHAdemo).zip:
SHA256 checksum: 9ea96dfcd1ddd057ce5ba264e911f77b1aaa16241ef6b98aa5cce658412fc766

Access charger webpage, login and go to maintenance page to upload the firmware package and start upgrade. For more details, please refer to commissioning guide.

B. Firmware upgrade procedure (OCPP)

If the charging station is already in service and connected to a supervision system, the update is then possible remotely from the supervision, which avoids a physical intervention on the charger. The firmware update can be done from an OCPP supervision and requires a charging station reboot, led by OCPP.

NOTE: to connect to a supervision in **wss** or download FW package via **https**, the charging station must be at the current date and time.

Firmware update can fail. If it happens, please retry.

C. Firmware upgrade procedure with EV Charging Expert

If the charging station is already in service and connected to EV Charging Expert, the update is then possible remotely from EV Charging Expert, which avoids a physical intervention on the charger.

Charging station updates can be done through EV Charging Expert user interface: see EcoStruxure EV Charging Expert user guide: DOCA0163

• What's new since 2.5.20?

Corrections & Improvements:

- Introduced image-based tariff display feature.
- Passed OCPP 1.6 full certification and OCPP 1.6 security extension certification. (By OCTT 2024-09 test cases.)
- For pass OCPP 1.6 full certification, added support for scenario of swap RFID first then plug connector.
- Add animation indication during pre-charging period.

Known limitations and issues.

Schneider Electric Industries SAS

35, rue Joseph Monier
CS 30323
F - 92506 Reuil Malmaison Cedex

www.se.com

Electrical equipment and systems must be installed, connected and used in compliance with prevailing standards and/or installation regulations.

As standards, specifications and designs change from time to time, always ask for confirmation of the information given in this publication.
© Schneider Electric - All rights reserved.

- **Firmware Update:**
 - In case the existing firmware version of M4 board is lower than 132, it should be manually upgraded by JLINK before doing remote upgrade.
To check FW version, please login the webpage of charger and check M4 version in System status/Common page/Firmware Version section.
For M4 board manually upgrade, please contact Schneider Electric support.
- **OCPP:**
 - When charge just reboot or boot, change BoxID through OCPP may not success first time, it will be working after two minutes after boot.
 - The specific security event may not report correct during profile3 scenario, but not impact profile3 function.
 - Per requested in OCA certification, clockAligned meter values will not send out of transaction.
- **HMI:**
 - Stop button on HMI may sometimes not work for freemode charging.

Other resources

- EcoStruxure EV Charging Expert User Guide DOCA0163
- EVlink Pro DC 180 installation guide GEX4300800
- ProDC OCMF guide. BRU5102501
- OCPP connectivity guide is reference DOCA0311EN
- EVlink Pro DC 180 Commissioning Guide. GEX4300900