
EVlink release note for firmware version 3400-10

Date: 2024_10_22

/!\ Warning: We suggest to reboot the charging station before to launch the new firmware update.

1) Document scope

This release note presents the new features and modifications added to the EVlink charging station.

This release for the EVlink firmware is a mandatory update to benefit from the full functionalities of EVlink Smart Wallbox, EVlink Parking and EVlink City.

The firmware release package will consist of the charging station firmware and associated documentation.

2) Firmware and Hardware requirements

This firmware release applies to EVlink charging stations with 2 conditions detailed in next sections:

- Hardware compatibility
- Firmware compatibility

2.a Hardware Revision

This firmware release is compatible with charging stations:

- EVlink Smart Wallbox: EVB1
- EVlink Parking: EVF2, EVW2 and EVP2
- EVlink City: EVC1 with a datecode greater than 15401

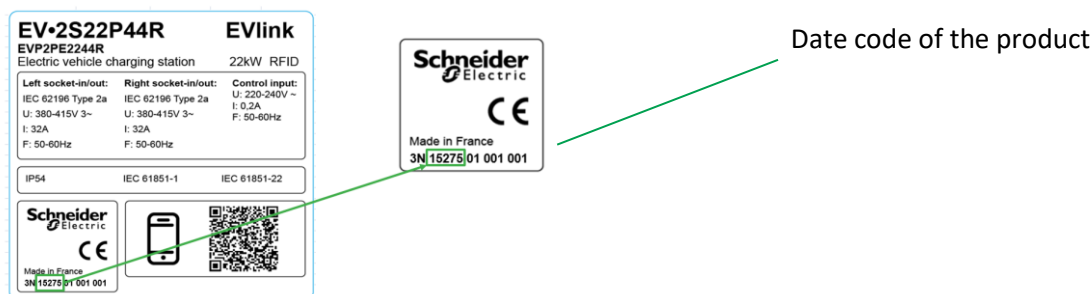
You can check the date code directly on the product or in the commissioning tool as shown below.

Directly on the product

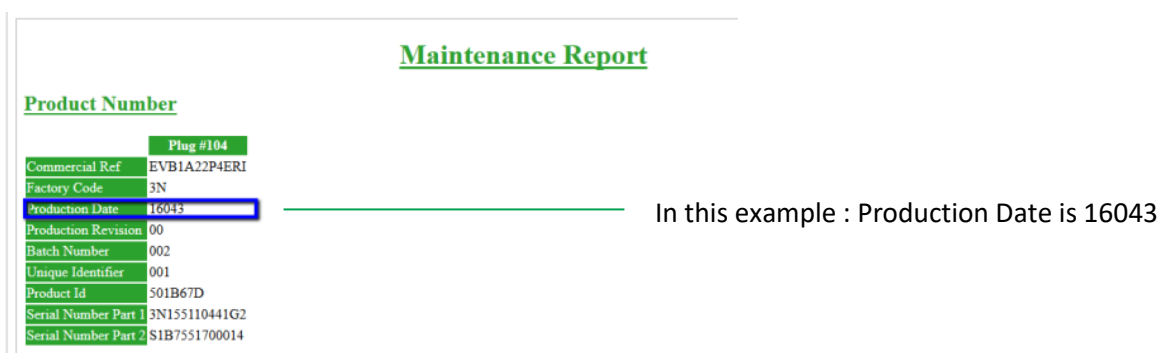
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On the Commissioning tool (in the Maintenance Tab),



2.b Firmware compatibility

Due to the firmware signature, the update requires that the charging station has **3400-1, 3400-2, 3400-3, 3400-4, 3400-6, 3400-7 and 3400-9** firmware installed onboard. For charging station with firmware version before 3400-1, please consult the R8 run1 release note (3400-1).

Note that the 3400-5 and 3400-8 have not been released officially and are only internal releases.

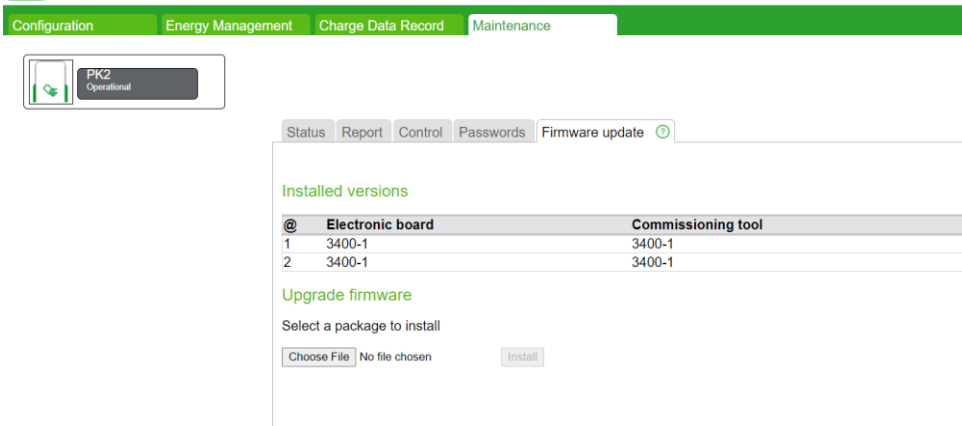
Firmware version can be checked using the Web server in the Updates Tab.

See example below based on 3400-1

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More details can be found in the below section “Firmware upgrade procedure”.

3) Firmware upgrade procedure (non OCPP)

Firmware upgrade is not possible on all types of Charging Stations (see “Hardware/firmware requirements” section above).

If your Charging Station has an older firmware version than 3400-1 then please start with upgrading to 3400-1
If your Charging Station is managed by an OCPP supervision, please jump to next section.

Note: in case of cluster with Energy Management features, please contact your Schneider Electric support.

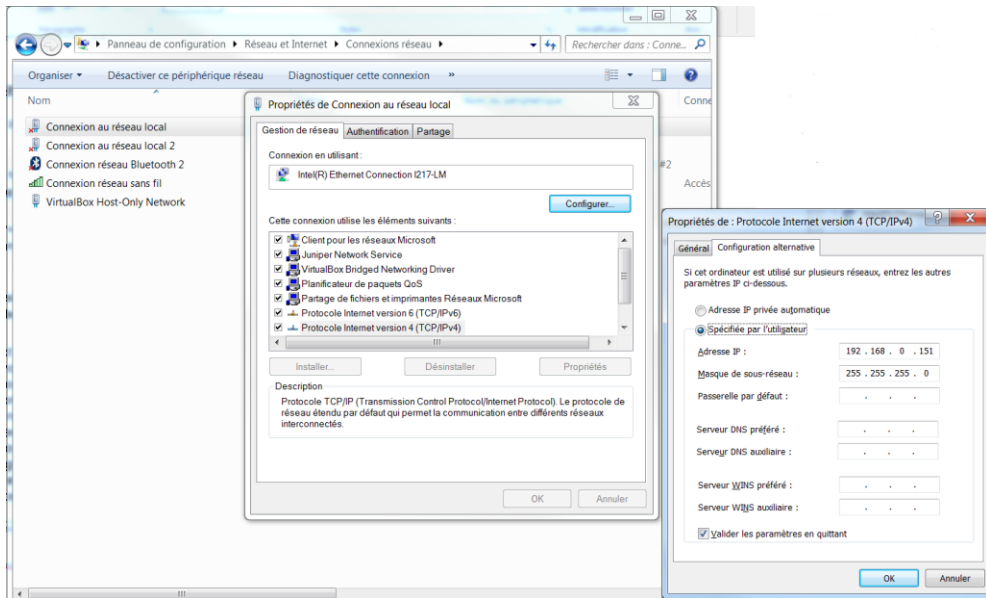
Follow the procedure below and the remarks:

- 1) First connect to the Charging Station using an Ethernet cable (slot #1, on the left of the right electronic board), and check that your computer can communicate with the Charging Station. You may need to change your network adapter settings, as shown below.

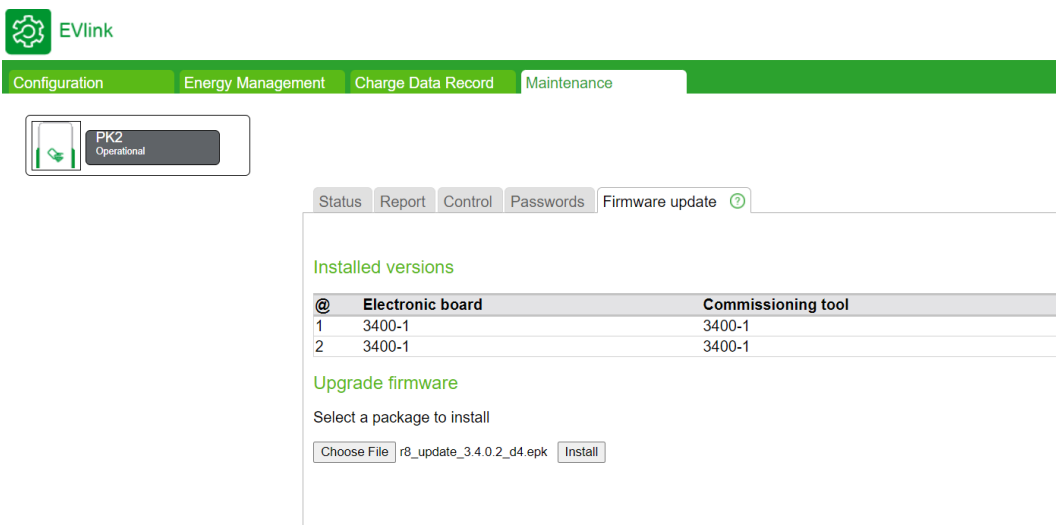
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- 2) The firmware version displayed in the “Maintenance” tab, “Firmware update” subtab shall be 3400-1 otherwise a preliminary upgrade to 3400-1 is required before proceeding with next steps.



- 3) Click on “Choose File” and select “r8_update_3.4.0.10_d4.epk” and click “Install”.
- 4) Wait for progress bar to complete, and check that no error messages are displayed.
- 5) Reboot the Charging Station, by clicking on “Reboot” button.

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Configuration Energy Management Charge Data Record Maintenance



Status Report Control Passwords Firmware update ?

Installed versions

@	Electronic board	Commissioning tool
1	3400-1	3400-1
2	3400-1	3400-1

Upgrade firmware

Select a package to install

C:_CCA\S=S\2 Validation\R8\rc1\rc1 Parcourir... Install Reboot

Estimated time: 2 min

1'28"

Socket-outlet - IP# 1: Operation completed, please check after reboot that the soft has been correctly updated
Socket-outlet - IP# 2: Operation completed, please check after reboot that the soft has been correctly updated

OK : 2/2 Please restart to complete upgrade process (refresh after 30s)

6) The station will reboot, and you will need to reload the page to check the new firmware version.

Status Report Control Passwords Firmware update ?

Installed versions

@	Electronic board	Commissioning tool	RFID reader
103	3400-9	3400-9	1400

Upgrade firmware

Select a package to install

Choisir un fichier Aucun fichier n'a été sélectionné Install

Important remark:

- Don't refresh the web page (F5 or refresh) during the process.
- Wait until the status light of the charging station turns off and then on again to be sure that the restart with the new firmware is successfully completed.
- **Don't power off the charging station during the process**

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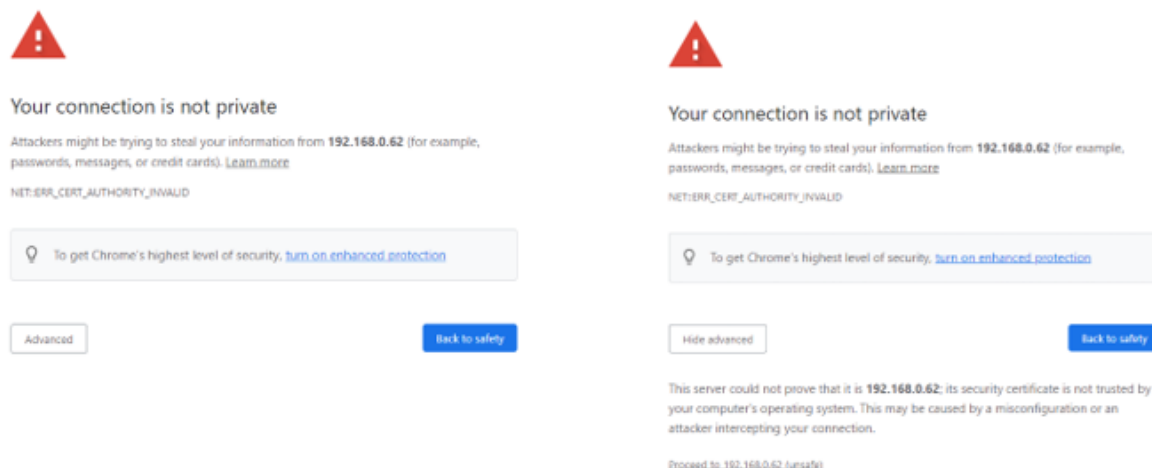
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NOTE: With Smart Wallbox EVB fitted with a key lock, make sure that the station is unlocked, otherwise the status light remains off and it is not possible to check that the restart is completed.

To avoid refresh issues, it is recommended to close the web browser in use.

According https connection, depending on the web browser a warning message may occur. Hereunder Chrome example: click on Advanced then Proceed to ...



Once connected, browse to “Maintenance”/” Firmware Update” tab and check that the Electric Board and the Commissioning Tool version for each socket outlet is 3400-10

It is strongly recommended to update the username password in “Maintenance”/” Passwords” tab.

4) Firmware upgrade procedure (OCPP)

The firmware update to version 3400-10 can be done from an OCPP supervision, provided the hardware is compatible (see “Hardware/firmware requirements” section above).

The update procedure lasts typically 10 minutes and requires a Charging Station reboot.

Important remark: for the ranges EVlink Parking and EVlink City, it is recommended to wait for **4 minutes** after receiving the OCPP message “FWUpdateNotification = installed” to reboot the charging station.

After reboot, please check that both connectors have the same firmware version through a maintenance report, otherwise request another FW update.

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

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5) Improvements or bug fix of Version 3400-9

For Smart Wallbox & Parking & City

- Bugfixes
 - Sending CDR by SMTP is working, even if SMTP server is defined with his IP address
 - For secure export of CDR, the SMTP protocol is recommended in the documentation.
 - Manage data size to avoid infinite reboot because the charge point is out of memory.
 - The size of registers about power meter are no longer editable

- About OCPP:
 - The “MetervalueSampleInterval” is restored when OCPP communication is up
 - When the parameter “transactionstartsendactualmetervalue” is activated, the Meter Values contains information from the power meter.
 - Local list supports badges ISO15693
 - Change Availability on non-existent connector is now rejected.
 - When secure connection is used, the charge point supports to be disconnected.
 - The status **Suspended by EVSE** had now the priority on state Suspended by EV.
 - “BootNotification” trigger message is now supported
 - “MeterValue” trigger message is now supported out of load on going
 - Improvement of time management for time desynchronization
 - ClearChargingProfile is now supported without parameters

- Enhancements:
 - Update the root CA certificate bank
 - at Back to factory, update charging station by default date for certificates compliance
 - Make cleanup of useless files before firmware update
 - Add firmware version of RFID reader in maintenance report
 - Possibility to restore the “emsetting” parameter at value 2 after modification
 - Support of EVSE version 6 with secure connection

For Parking

- Enhancements:
 - Parameter “allowpluggedcable” is read write

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6) Bug fix of Version 3400-10

For Smart Wallbox

The following bug, present in version 3400-9 has been solved in 3400-10:

When the authentication is enabled and the TxDefaultProfile is set to 0A, the station sent a status notification "SuspendedEVSE" instead of "Preparing". This behavior could lead to authentication issues in the CSMS backend, with the consequence of not allowing a charging session.

7) Functions removed

- None

8) Known limitations and issues

- RFID Reader upgrade is not possible with firmware versions 3101 to 3300-09.
Once you have updated the main firmware in 3300-10 or higher, you can also upgrade the RFID reader if you face compatibility issue with some badges. The 1530 firmware is included in this package as a separated file.
- Time settings through NTP failed.
- As HTTPS and FTPS are not yet supported to export Charge Data Records, SMTP is recommended as it is secure by using automatically SMTPS protocol.
- Status "Suspended by EV" and "Suspended by EVSE" can be mixed in some cases.

9) Other resources

- Availability of firmware packages
 - On se.com with [following link](https://www.se.com/ww/en/product-range/63506-evlink-smart-wallbox/#software-and-firmware). (<https://www.se.com/ww/en/product-range/63506-evlink-smart-wallbox/#software-and-firmware>)
- Users' manual: see DOCA0060EN-09 on www.se.com
- Troubleshooting guide: see DOCA0117EN-09 on www.se.com

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