

EVlink release note for software version 3300-17

date: 2021_06_07

1) Document scope

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

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

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

2) Software and Hardware requirements

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

- Hardware compatibility
- Software compatibility

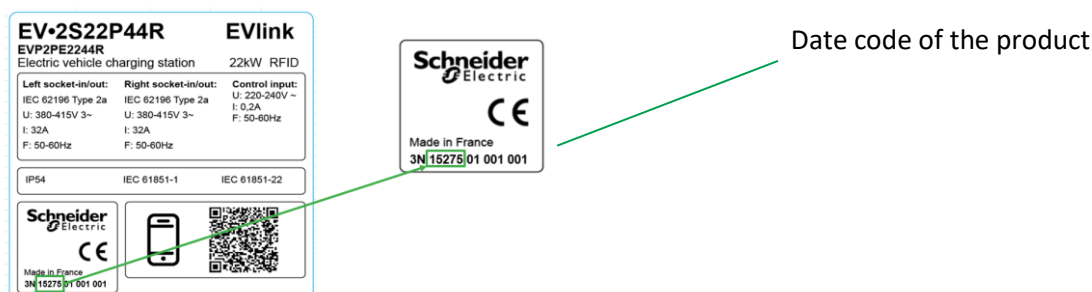
2.a Hardware Revision

This software release is compatible with charging stations:

- EVlink Smart Wallbox: EVB
- EVlink Parking: EVF2, EVW2 and EVP2
- EVlink City 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



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.

MFR4341700

On the Commissioning tool (in the Maintenance Tab)

Maintenance Report

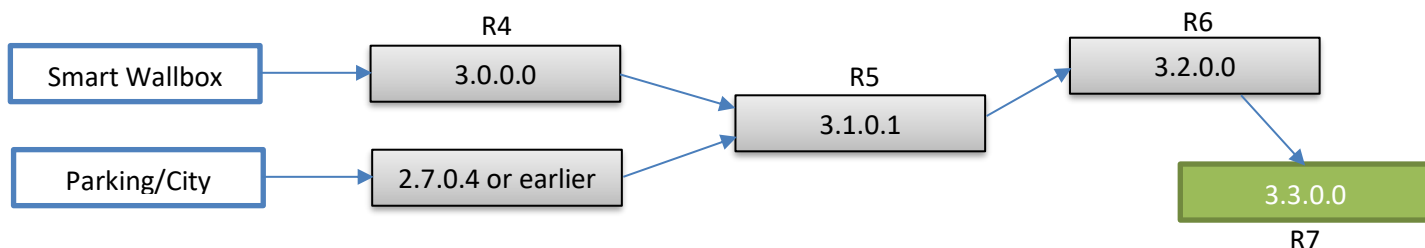
Product Number

Plug #104
Commercial Ref EVB1A22P4ERI
Factory Code 3N
Production Date 16043
Production Revision 00
Batch Number 002
Unique Identifier 001
Product Id 501B67D
Serial Number Part 1 3N155110441G2
Serial Number Part 2 S1B7551700014

In this example : Production Date is 16043

2.b Software compatibility

The software update requires that the charging station has a recent software installed onboard. The version required 3.2.0.0 (aka R6).



Software version can be checked using the Commissioning tool in the Updates Tab.

See example below based on 3101.26

EVlink

admin | Logout | English | User manual |

Configuration | Energy Management | Charge Data Record | Maintenance

Charging station 1
Operational

Status | Report | Control | Passwords | Firmware update

Installed versions

@	Electronic board	Commissioning tool	RFID reader
102	3101-26	3101-26	1300
103	3101-26	3101-26	-

Upgrade firmware

Select a package to install

Choisissez un fichier: r6_updat..._d2.epk | Install

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

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.

MFR4341700

3) Software upgrade procedure (non OCPP)

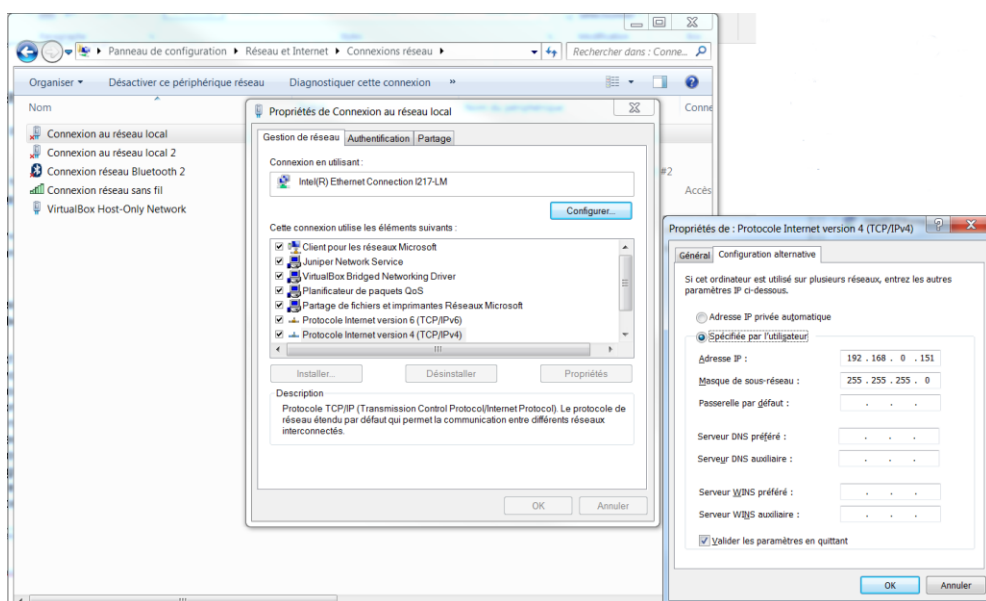
Software upgrade is not possible on all types of Charging Stations (see “Hardware/software requirements” section above).

If your Charging Station has an older software version than 3.1.0.1, then please start with upgrading to 3.1.0.1. 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), and check that your computer can communicate with the Charging Station. You may need to change your network adapter settings, as shown below.



- 2) The firmware version displayed in the “Maintenance” tab, “Firmware update” subtab shall be at least 3.2.0.0, otherwise a preliminary upgrade to 3.2.0.0 is required before proceeding with next steps.

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.

MFR4341700

Configuration
Energy Management
Charge Data Record
Maintenance

Status
Report
Control
Passwords
Firmware update

Installed versions

@	Electronic board	Commissioning tool	RFID reader
102	3200-12	3200-12	1300
103	3200-12	3200-12	-

- Click on "Browse" and select "r7_update_3.3.0.17_d4.epk", and click "Install".
- Wait for progress bar to complete, and check that no error messages are displayed.
- Reboot the Charging Station, by clicking on "Reboot" button.

[admin](#) | [Logout](#) | [English](#) | [User manual](#)

Configuration
Energy Management
Charge Data Record
Maintenance

Status
Report
Control
Passwords
Firmware update

Installed versions

@	Electronic board	Commissioning tool	RFID reader
102	3200-12	3200-12	1300
103	3200-12	3200-12	-

Upgrade firmware

Select a package to install

Chisissez un fichier
r7_updat..._d4.epk
Install
Reboot

Estimated time: 60 sec

1'07"

Socket-outlet - IP# 102: Operation completed, please check after reboot that the soft has been correctly updated
Socket-outlet - IP# 103: 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)

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

Configuration
Energy Management
Charge Data Record
Maintenance



Charging station 1
Operational

Status
Report
Control
Passwords
Firmware update ?

Installed versions

@	Electronic board	Commissioning tool	RFID reader
102	3300-6	3300-6	1300
103	3300-6	3300-6	-

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 software is successfully completed.

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.

After the reboot, please refresh your window and check in the "Maintenance"/"Firmware Update" tab that the Electric Board and the Commissioning Tool version for each socket outlet is 3.3.0.0.

If not, redo the whole update process.

4) Software upgrade procedure (OCPP)

The software update to version 3.3.0.0 can be done from an OCPP supervision, provided the hardware is compatible (see "Hardware/software requirements" section above).

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

After reboot please check that both connectors have the same software version, otherwise run the procedure again.

5) Improvements or bug fix

The list of improvements and bug fixes is given below:

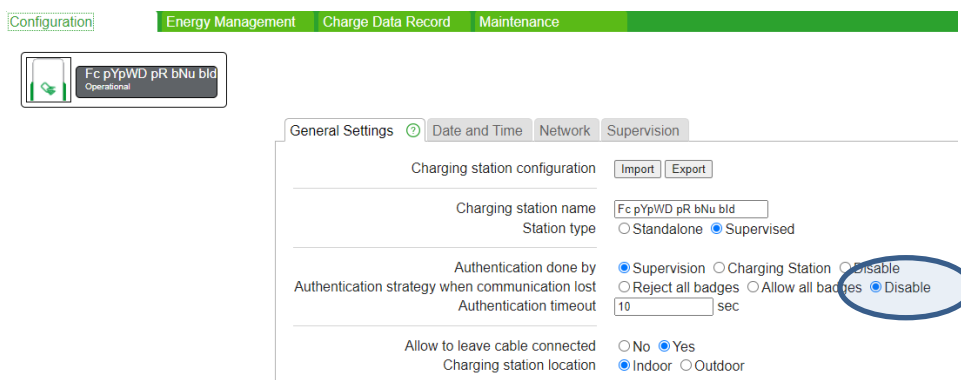
For Smart Wallbox – Parking - City:

a) New offline strategy for supervised charging stations

Authentication disable on supervision communication loss: when communication loss is reported in the charger, no authentication is needed, and load can start as a vehicle is plugged in. It can be configured through the web server or through supervision. **This new offline strategy is compatible only with a supervision, not with the EVlink Load Management System (LMS).**

i. Configuration update through web server

- HMI for charger with RFID reader:



Configuration | Energy Management | Charge Data Record | Maintenance

FC pYpWD pR bNu bld
Operational

General Settings | Date and Time | Network | Supervision

Charging station configuration | Import | Export

Charging station name: FC pYpWD pR bNu bld

Station type: ☐ Standalone ☒ Supervised

Authentication done by: ☒ Supervision ☐ Charging Station ☐ Disable

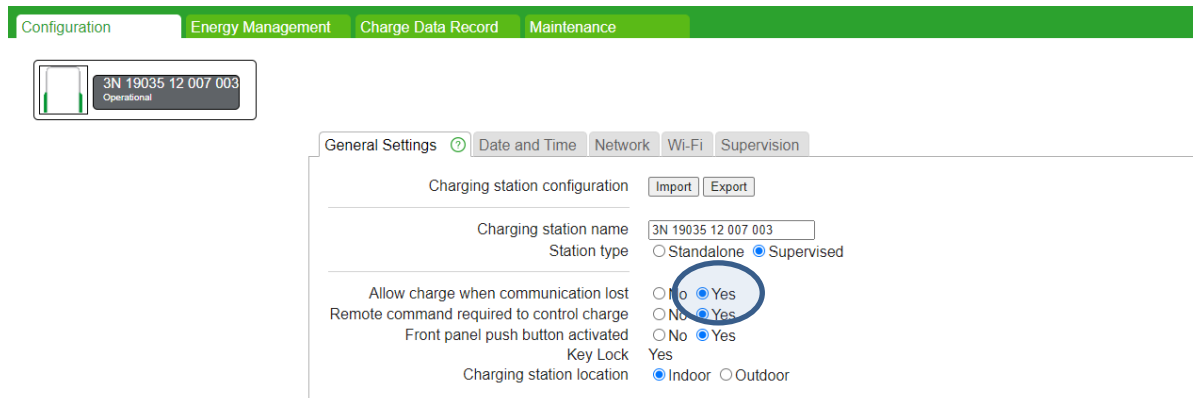
Authentication strategy when communication lost: ☐ Reject all badges ☐ Allow all badges ☒ Disable

Authentication timeout: 10 sec

Allow to leave cable connected: ☐ No ☒ Yes

Charging station location: ☒ Indoor ☐ Outdoor

- HMI for charger without RFID reader: Remote command required to control charge should be activated before



Configuration | Energy Management | Charge Data Record | Maintenance

3N 19035 12 007 003
Operational

General Settings | Date and Time | Network | Wi-Fi | Supervision

Charging station configuration | Import | Export

Charging station name: 3N 19035 12 007 003

Station type: ☐ Standalone ☒ Supervised

Allow charge when communication lost: ☐ No ☒ Yes

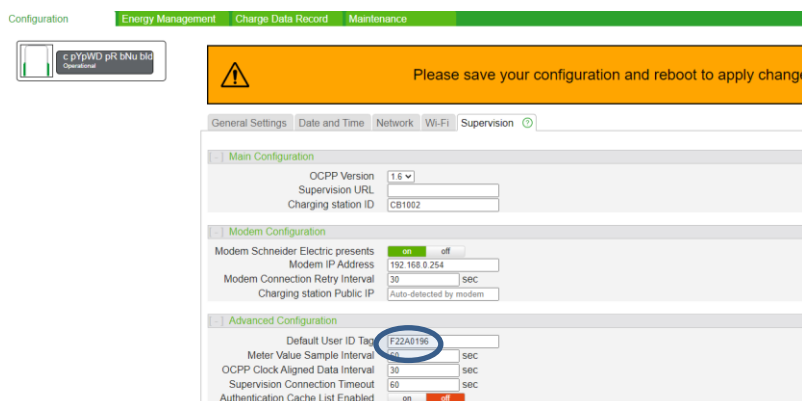
Remote command required to control charge: ☐ No ☒ Yes

Front panel push button activated: ☐ No ☒ Yes

Key Lock: Yes

Charging station location: ☒ Indoor ☐ Outdoor

- Default User ID tag must be populated in Supervision tab: reboot needed



The screenshot shows the Schneider Electric configuration interface. At the top, there are tabs for Configuration, Energy Management, Charge Data Record, and Maintenance. Below these, there's a status bar indicating 'c: pYpWD pR 2Nu bld Operational'. A warning message at the top right says 'Please save your configuration and reboot to apply change'. The main configuration area is divided into sections: Main Configuration, Modem Configuration, and Advanced Configuration. The Advanced Configuration section is expanded, showing fields for Default User ID Tag (F22A0196), Meter Value Sample Interval (5s), Meter Value Sample Interval (30s), OCPP Clock Aligned Data Interval (30s), Supervision Connection Timeout (60s), and Authentication Cache List Enabled (on/off). The 'Default User ID Tag' field is circled in blue.

ii. Configuration update through supervision:

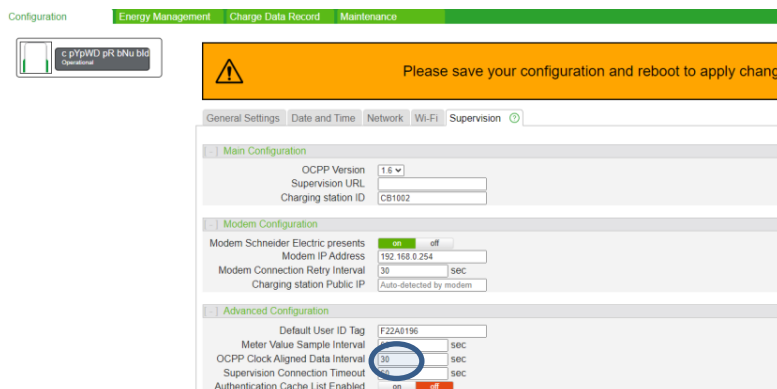
- For supervised stations with RFID reader:
 1. AllowOfflineTxForUnknownId = 2
 2. Defaultidtag to populate
- For supervised stations without RFID reader:
 1. ControlChargeByRemoteCommand = true
 2. DisableAuthentWhenCommLost=true
 3. Defaultidtag to populate

b) Enable Clock Aligned meter values

Clock aligned meter values can be activated to report active energy consumed by the station in a clock-aligned interval.

- **Prerequisite:** certified supported power meter must be selected in Energy Management / Meter tab: iEM 3x5x or iEM 2155
- Supported measurand: Energy.Active.Import.Register only

i. Configuration update through web server



ii. Configuration update through supervision:

- Update clockaligneddatainterval value (in seconds)

6) Functions removed

- None

7) Known limitations and issues

- RFID Reader upgrade is not possible with software versions 3101 to 3300-09. Once you have updated the main firmware in 3300-10 or higher, you can upgrade also the RFID reader if you face compatibility issue with some badges. The 1400 software is included in this package as a separated file.

8) Other resources

- Availability of SW packages
 - On se.com with [following link](https://www.se.com/ww/en/download/range/60850-EVlink%20Parking/?docTypeGroup=3541958-Software%2FFirmware&language=en_GB-English).
(https://www.se.com/ww/en/download/range/60850-EVlink%20Parking/?docTypeGroup=3541958-Software%2FFirmware&language=en_GB-English)
- Users' manual: see DOCA0060EN-09 on www.se.com
- Troubleshooting guide: see DOCA0117EN-09 on www.se.com