



Alfen NG9xx series

Release Notes

NG9xx Firmware 7.0.5

DATE: September 11th, 2024



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1. Introduction

Firmware Release **7.0.5** is a hotfix release. The change details in this document cover versions 7.0.1, 7.0.2, 7.0.3, 7.0.4 & 7.0.5.

2. Change Details

7.0.1: *(Not released separately)*

- Fixes an issue where the timestamp on a StopTransaction message could be incorrect if the charging session was interrupted with a reboot or power outage.
 - Applicable for: Eve Single S-line, Eve Single Pro-line, Eve Double Pro-line, Eve Double PG-line, Twin 4XL

7.0.2:

- When using Giro-e authorizations on Eichrecht chargers, tariffs (price per session & price per kWh) no longer need to be configured in the charger.
 - Applicable for: Eve Single Pro-line DE, Eve Double pro-line DE and Eve Double PG-line
- When using remote start functionality (OCPP functionality) on Eichrecht chargers, the expected tariffs (price per session & price per kWh) need to be configured in the charger, otherwise error 214 will be displayed.
 - Applicable for: Eve Single Pro-line DE, Eve Double pro-line DE and Eve Double PG-line

7.0.3: *(Not released separately)*

- Fixes an issue for SCN (affects FW versions 6.6.x and 7.0.x) where not all SCN sockets would always send packets (affected by SCN ID character length) or would have a unique ID, leading to issues during configuration of the SCN.
 - Applicable for: Eve Single S-line, Eve Single Pro-line, Eve Single Pro-line DE, Eve Double Pro-line, Eve Double Pro-line DE, Eve Double PG-line, Twin 4XL

7.0.4: *(Not released separately)*

- Fixes an issue where the temperature sensor fails to initialize during boot (affects FW version 7.0.x), showing a static value of 20 degrees C. Impacts 'Derating' feature where charging power can be limited step-wise based on the internal temperature of the charging station.
 - Applicable for: Eve Single S-line, Eve Single Pro-line, Eve Single Pro-line DE, Eve Double Pro-line, Eve Double Pro-line DE, Eve Double PG-line, Twin 4XL

7.0.5:

- Fixes issues with various issues with motor functionalities introduced in FW7.0.x:
 - Ensure that cover lock works as expected
 - (Applicable for: Eve Double PG-Line)
 - Ensure that socket will be unlocked on power loss
 - Applicable for: Eve Single S-line, Eve Single Pro-line, Eve Single Pro-line DE, Eve Double Pro-line, Eve Double Pro-line DE, Eve Double PG-line, Twin 4XL
 - Fixes occurrence where mDNS causes a crash on a power loss
 - Applicable for: Eve Single S-line, Eve Single Pro-line, Eve Single Pro-line DE, Eve Double Pro-line, Eve Double Pro-line DE, Eve Double PG-line, Twin 4XL

3. Back-end communication changes

No changes

4. Minor changes

No changes

5. Firmware update instructions

With the release of NG9xx Firmware 7.0, there is no longer the option between "A and B firmware versions", as first introduced with version 4.14.0

To update to NG9xx Firmware 7.0.5, please follow the steps according to below schedule:

Current firmware version	Step 1	Step 2
4.12 or lower	Update to intermediate firmware version 6.6.2, version 'A'	Update to the latest firmware version (currently 7.0.5)
Between 4.14.0 and 6.x	Update to intermediate firmware version 6.6.2, version 'B'	Update to the latest firmware version (currently 7.0.5)
6.6.2 or higher	Update to the latest firmware version (currently 7.0.5)	-

The intermediate firmware 6.6.2 firmware can be downloaded [here](#)

6. Revision control

Document revision control			
Date	Version	Description/status	Author
2024-Sep-11	0.1	Internal version	[AM]
2024-Sep-13	1.0	External version	[AM] +
2024-Sept-13	1.1	External version update	CPH