

## Release Notes 2.2

ABL.R&D.Software.SBC

Revision: 1.1

Date: 05.12.2024

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# 1 Document Description

Scope	<p>This document describes the releases of the new generation of the Charge Point Software delivered with the ABL Single Board Computer SBC. This software implements a smart controller for the ABL charging stations consisting of wall-boxes and charging poles. The following sections give an overview of the integrations and releases of the software.</p> <p>Product names, brands, and other trademarks mentioned in this document are the property of their respective trademark holders.</p>
Purpose	
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Date	Document Version	Author	Description of change
05.12.2024	1.1	Iris Wintergerst	final version for Software 2.2

## 2 Variants

### 2.1 Hardware

So far, the current version 2.2 SBC Charge Point Software is only compatible with the boxes of the product series eM4. Compatibility with the series eMH2 and eMH3 will be released with one of the following software versions. The following SBCs are supported:

- SBC4
- SBC5

### 2.2 Software

Each version of the SBC Charge Point Software is identified by a release label. This label is represented by the running software as well as in the update file names, as follows:

Release label: <major>.<minor>[p<patch-level>]

- Major: The major software version. Only stepped when minor numbering is maxed out or when major feature sets have been added to the software.
- Minor: The minor software version. Stepped on each new release.
- Patch level: A sub-version used for fixes to the current release. The first patch/bug-fix for a release is numbered starting at one.

Example: 2.2p1

In update file names the release label is embedded as follows:

File Name: <update-type>\_<release-label>.yar

- Update type:
  - “update”: A full software update.
  - “incremental”: An incremental update, may rely on some base software version that has to be installed on the target, already. If this pre-requisite is not met, the updater routine rejects the incremental update.

Example: update\_2.2.yar

## 3 Releases

The feature set of the version 2.2 includes the complete scope of the features available with the version 2.1p2 and introduces new features listed below.

For information on the complete feature set refer to the integration manual.

The version of the relevant software for Eichrecht is independent from the SBC Charge Point software. Therefore, Eichrecht software has a separate release notes document.

An update of the SBC Charge Point software will not influence the version of the Eichrecht software version.

### 3.1 Version 2.2

Date: 05.12.2024

This software contains:

- SBC software version: 2.2
- ESP firmware version: 1.14.0

This software is compatible with:

- App version: 1.\*.220
- Eichrecht version: 1.5

Changes:

- Replacement of SBC by an installer made possible
- Swipe RFID again to stop charging now has a cool down time of 30 seconds to avoid unintended stopping.
- Add material numbers for e-station to catalog
- Support firmware for additional LTE modems

Improvements and Resolves Issues:

- Negative meter values coming from a connected PV are no longer counted as positive but as 0 instead
- Improve boot process
- Add second password PSK for the App
- Disable network tunneling by default
- Fix failing Factory Resets
- Fix Group Reconfiguration reboot issue
- Fix group name being NONE in Reboarding
- Fix invalid card quits transaction on a single eichrecht box
- Fix product indexing when adding / deleting extenders in reboarding
- Ignore modbus requests of an extender with unplug network cable
- Improve error handling in case of related product FAULTED/TIMEOUT/NOT\_PRESENT
- Let NetworkManager wait for dhcpd to stop
- Monitoring of NetworkManager issues and status to re-establish dhcp connection
- WebAdmin: Added Additional information on the "Group" page
- WebAdmin: Deleting obsolete text on the "Installation" page
- WebAdmin: fix Password change
- WebAdmin: fix translation issues
- WebAdmin: Page Maintenance -> Diagnosis now sorted by Product

Known Issues:

- In certain cases a software update to software 2.2 needs to be triggered via Configuration App or Web-Admin.
- Stopping a charging session with a parent RFID card is not possible