

BlueNet BN PRO Software Release Notes

Open Source License Notification

The computer programs made available for download contain modified components and programs of third parties that are licensed as free software. You may reproduce, distribute and/or modify them and/or also reproduce and distribute the modifications in accordance with the terms of the applicable open source licenses listed in the following table. The table lists the original or modified third-party programs used and the corresponding open source license. The respective texts of the license conditions and all copyright notices are deposited and can be called up by the links provided below:

GPL 3.0: <https://www.gnu.org/licenses/gpl-3.0.txt>

LGPL 3.0: <https://www.gnu.org/licenses/lgpl-3.0.txt>

GPL 2.0: <https://www.gnu.org/licenses/old-licenses/gpl-2.0.txt>

LGPL 2.0: <https://www.gnu.org/licenses/old-licenses/lgpl-2.0.txt>

LGPL 2.1: <https://www.gnu.org/licenses/old-licenses/lgpl-2.1.txt>

The granting of the rights of use to the computer programs is free of charge.

Bachmann GmbH, Ernsthaldenstraße 33, 70565 Stuttgart, Germany, hereby offers to provide you and any third party with a machine-readable copy of the source code of the software supplied to you on a medium which is usually used for the exchange of data for a period of at least 3 years for a small fee which does not exceed the pure cost of physical accessibility. For this purpose, please write to the above address.

We are obliged to inform you of the following disclaimer of warranty and liability in the context of the use of free software:

1. since the respective program is licensed without any costs, there is no guarantee for the program, as far as this is legally permissible. Unless otherwise confirmed in writing, the copyright holders and/or third parties make the program available "as is" without warranty of any kind, either express or implied, including, but not limited to, merchantability or fitness for a particular purpose. The full risk regarding the quality and performance of the program rests with you. If the respective program turns out to be faulty, the costs for necessary service, repair or correction are with you.

2. In no event, unless required by applicable law or warranted in writing, will any copyright holder or any third party who has modified or distributed the Program as permitted above be liable to you for any damages, including any general, special, incidental or consequential damages, that result from the use of the Program or the inability to use the Program (including, but not limited to, loss of data, processing errors, losses that must be borne by you or others, or the inability of the Program to cooperate with any other Program), even if a copyright holder or third party has been advised of the possibility of such damages.

Further information can be found at: <https://www.bachmann.com/en/downloads/bluenet-pdus/>

Release Note V1.5.1

11.06.2026

Supported BlueNet devices:

BN PRO Metered, BN PRO Metered+, BN PRO Switched(+), BN PRO SecureSwitching+; BN Gen2 PDUs (all models)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.4.3 and can be installed as an update to all former BN PRO / BlueNet BN Gen2 software releases. It is recommended to create a backup before performing the update. The PDUs system time and date must be later than 1 February 2024 to perform an update.

New Features:

- Automatic power on delay time for outlets via CLI

Enhancements:

- Fixed issue with disk usage to prevent boot loops
- All PDUs within a cluster now uses the time zone of the main PDU
- The input fields for the threshold can now be left empty, which will set the value to 0

Known Bugs:

- When using SSH keys for authentication: Before using "cli cluster promote-to-main" explicitly use "cli auth -u "USERNAME" -p "PASSWORD"

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet BN PRO software update package
- Mounting and installation instructions
- This Release Note

Release Note V1.4.3

30.03.2026

Supported BlueNet devices:

BN PRO Metered, BN PRO Metered+, BN PRO Switched(+), BN PRO SecureSwitching+; BN Gen2 PDUs (all models)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.4.2 and can be installed as an update to all former BN PRO / BlueNet BN Gen2 software releases. It is recommended to create a backup before performing the update. The PDUs system time and date must be later than 1 February 2024 to perform an update.

New Features:

- The Modbus TCP registers for frequency on inlet layer added (register 29)

Enhancements:

- Fixed issue with disk usage to prevent boot loops
- All PDUs within a cluster now uses the time zone of the main PDU
- The input fields for the threshold can now be left empty, which will set the value to 0

Known Bugs:

- When using SSH keys for authentication: Before using "cli cluster promote-to-main" explicitly use "cli auth -u "USERNAME" -p "PASSWORD"

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet BN PRO software update package
- Mounting and installation instructions
- This Release Note

Release Note V1.4.2

03.03.2026

Supported BlueNet devices:

BN PRO Metered, BN PRO Metered+, BN PRO Switched(+), BN PRO SecureSwitching+; BN Gen2 PDUs (all models)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.3.3 and can be installed as an update to all former BN PRO / BlueNet BN Gen2 software releases. It is recommended to create a backup before performing the update.

Note: Under certain circumstances, the energy meter display may show a deviation. This occurs when the PDU controller is restarted – for example, during a software update or certain configuration changes. In rare cases, this can lead to an increased display of the energy consumption of the connected devices.

New Features:

- The Modbus TCP registers of the main PDU and link PDUs are now read via the unit/slave ID function, rather than by register shifting. The unit/slave IDs of the Link-PDUs correspond to the PDU indexes within the cluster
- Changes to the network configuration via the local GUI can now be protected by a PIN. The peak values of the PDU are also protected by this PIN
- Link PDUs in a cluster can be restarted using the command `cli do reboot --pdu-id [pdu-id]`
- Power supply status is displayed on the local GUI
- Voltage min/max values are now shown on the local GUI
- CEE7/3 sockets now have a matching icon in the web front end. (Further integration of CEE7/3 sockets into BN PRO PDUs will take place in the course of 2026.)

Enhancements:

- Performance improvements to the web front end
- More user-friendly provisioning PIN method when setting up a cluster
- Fix of known Bug (Backup restore)
- Quota introduced for home directory to prevent boot loops

Known Bugs:

- When using SSH keys for authentication: Before using `cli cluster promote-to-main` explicitly use `cli auth -u "USERNAME" -p "PASSWORD"`

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet BN PRO software update package
- Mounting and installation instructions
- This Release Note

Release Note V1.3.3

14.10.2025

Supported BlueNet devices:

BN PRO Metered, BN PRO SecureSwitching+; BN Gen2 PDUs (all models)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.3.1 and can be installed as an update to all former BlueNet BN Gen2 / BN PRO software releases. It is recommended to create a backup before performing the update.

New Features:

- None

Enhancements:

- Fix of known bug in v1.3.1
- Fix of bug within cronjob

Known Bugs:

- When using SSH keys for authentication: Before using "cli cluster promote-to-main" explicitly use "cli auth -u "USERNAME" -p "PASSWORD"
- Backup does not restore signal chain attached to the PDU layer status

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet BN PRO software update package
- SNMP MIBs
- Mounting and installation instructions
- This Release Note

Release Note V1.3.1

15.08.2025

Supported BlueNet devices:

BN PRO Metered, BN PRO SecureSwitching+; BN Gen2 PDUs (all models)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.2.4 and can be installed as an update to all former BlueNet BN Gen2 / BN PRO software releases. It is recommended to create a backup before performing the update.

New Features:

- PDU cluster functionality via CLI and web
- MCB current measurements

Enhancements:

- Improved robustness of the web certificate
 - fix of known bug in v1.2.4
- `cli do reboot` now requires a confirmation
- Adjust color of leds from orange to yellow
- Add sorting function for Event logs in web-frontend
- Network and DNS settings (IPv4, subnet prefix)
- Offline status for the external sensors after a FW-update
- GUI stability at startup

Known Bugs:

- RCM connection occasionally lost after update/restart
 - Workaround: Restart PDU

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet Gen2 BN3000 SW Update package
- SNMP MIBs
- Mounting and installation instructions
- this Release Note

Release Note V1.2.4 / REV01

31.07.2025

Supported BlueNet devices:

BN PRO Metered, BN3000 Gen2, BN3500 Gen2 SecureSwitching

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.1.1 and can be installed as an update to all former BlueNet Gen2 BN3000 SW releases. It is recommended to create a backup before performing the update.

New Features:

- Cronjob can be configured
- Network settings on web frontend with updated design
- External sensor added to SNMP and Modbus TCP
- Local gui: external sensor support
- Local gui: RCM and RCM selftest support

Enhancements:

- Bugfixes and improved performance
- user access rights correction when using ssh keys
- Switch from timesyncd to chrony as ntp client (and server)
- Changed behavior when setting the time
- Users with appropriate rights can create trap receivers, not just the admin
- PDU Chassi downward compatible with controller
- Known bug v1.1.1 fixed

Known Bugs:

- Mismatched SSL certificates and keys can result in a blocked PDU.

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet Gen2 BN3000 SW Update package
- SNMP MIBs
- Mounting and installation instructions
- this Release Note

Release Note V1.1.1

01.02.2025

Supported BlueNet devices:

BN PRO Metered, BN3000 Gen2, BN3500 Gen2 SecureSwitching

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.0.3 and can be installed as an update to all former BlueNet Gen2 BN3000 SW releases. It is recommended to create a backup before performing the update.

New Features:

- LDAP
- For 3-phase PDUs, the peak current of the phases can be reset from the Local GUI
- Support for external temperature sensor
- SD cards and USB sticks are mounted automatically
- SSH Keys over Web and CLI
- Signal chains no longer need to be activated manually

Enhancements:

- Bugfixes and improved performance

Known Bugs:

- Settings are not saved (fixed after the second reboot)

Deliverables (to be downloaded from www.bachmann.com):

- BlueNet Gen2 BN3000 SW Update package
- SNMP MIBs
- Mounting and installation instructions
- this Release Note