

BlueNet
BN3000 / BN3500 /
BN7000 / BN7500
and
Power Unit 2

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, Ernstthaldenstraße 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 V2.07.02

(incl. V2.06.00/V2.06.01)

Release date: 01/03/2025

Supported BlueNet devices:

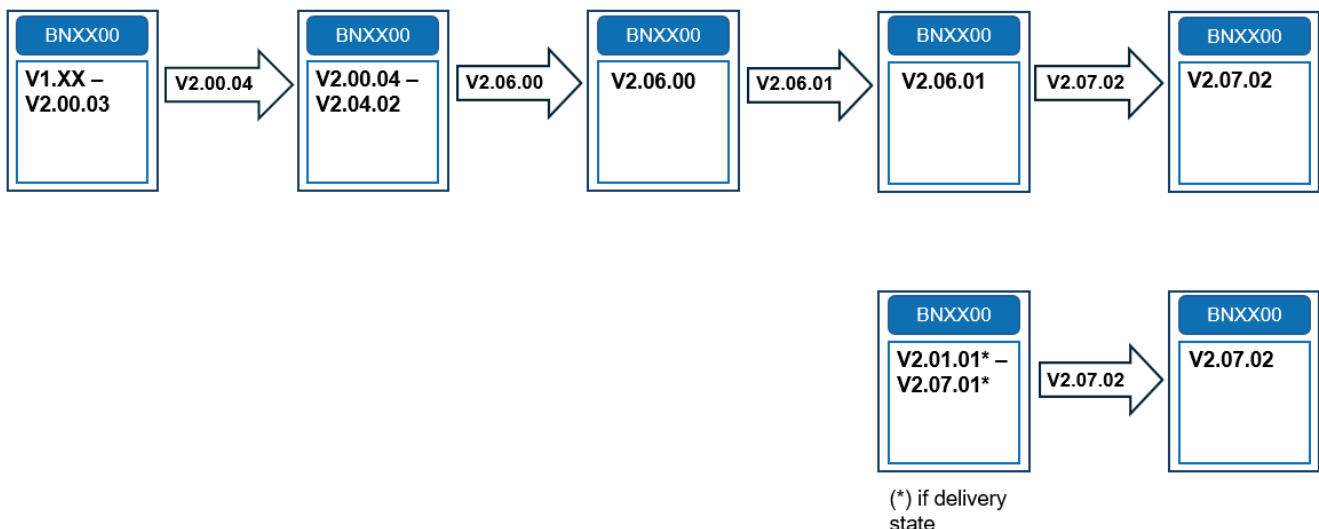
BN3000, BN3500, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This software release includes the same functionality as the previous releases V2.07.01 and can only be installed as an update to BlueNet BN3000 – BN7500 Software starting with V2.06.01. The only exception to this rule is if the PDU was delivered with software version V2.02.01 or later, in which case the update to V2.07.02 can be installed directly without any intermediate steps.

Please ensure that the date and time of the PDU are set to the current time, otherwise, the encrypted update package cannot be installed. Due to changes in the software, a multi-stage update is required. The update will begin with either V2.00.04 or V2.06.00, depending on the current software version installed.

Please note that the software versions V2.06.00 and V2.06.01 are intermediate steps and not independent software releases. Continued use of the PDUs with these versions may result in undesirable behavior.



In software versions prior to V2.02.01, there is a bug that causes some energy values to be cut off after a reboot. It is recommended to update directly to V2.06.00 without rebooting in the meantime, starting from V2.00.04 to V2.02.00.

New Features:

- none

Enhancements:

- For slave PDUs: Arbitrary resetting of the energy meter when a certain threshold value is reached has been fixed
- SSH Security Updates (CVE-2023-48795 mitigation)

Known Bugs:

- none

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.07.01

(incl. V2.06.00/V2.06.01)

Release date:

30/04/24

Supported BlueNet devices:

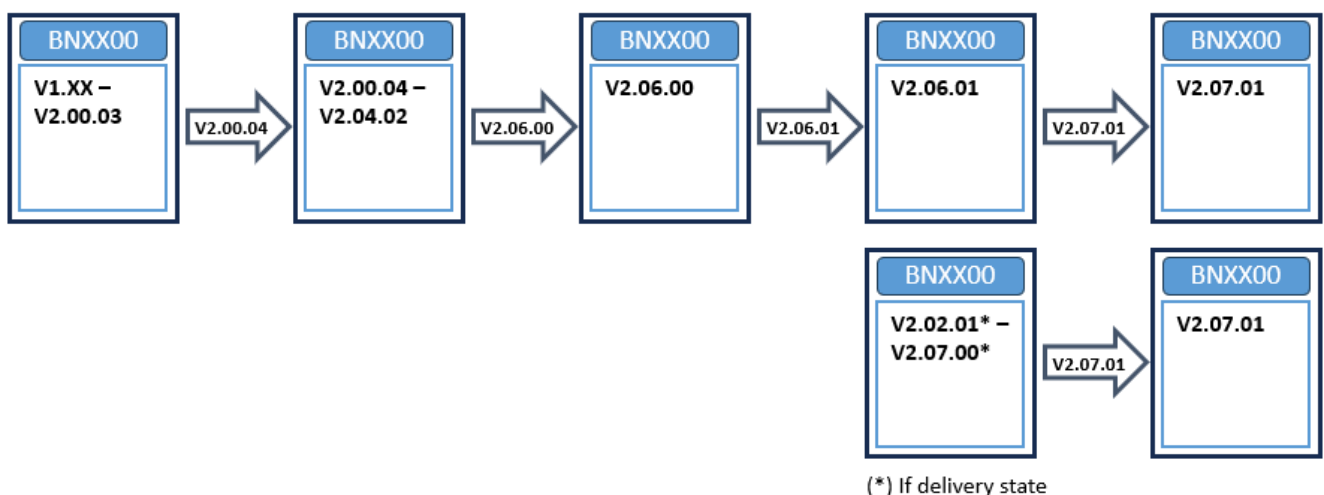
BN3000, BN3500, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This software release includes the same functionality as the previous releases V2.07.00 and can only be installed as an update to BlueNet BN3000 – BN7500 Software starting with V2.06.01. The only exception to this rule is if the PDU was delivered with software version V2.02.01 or later, in which case the update to V2.07.01 can be installed directly without any intermediate steps.

Please ensure that the date and time of the PDU are set to the current time, otherwise, the encrypted update package cannot be installed. Due to changes in the software, a multi-stage update is required. The update will begin with either V2.00.04 or V2.06.00, depending on the current software version installed.

Please note that the software versions V2.06.00 and V2.06.01 are intermediate steps and not independent software releases. Continued use of the PDUs with these versions may result in undesirable behavior.



In software versions prior to V2.02.01, there is a bug that causes some energy values to be cut off after a reboot. It is recommended to update directly to V2.06.00 without rebooting in the meantime, starting from V2.00.04 to V2.02.00.

New Features:

- none

Enhancements:

- Bugfixes

Known Bugs:

- none

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.07.00

(incl. V2.06.00/V2.06.01)

Release date:

06/02/2024

Supported BlueNet devices:

BN3000, BN3500, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This software release includes the same functionality as the previous releases V2.04.02 and can only be installed as an update to BlueNet BN3000 – BN7500 Software starting with V2.06.01. The only exception to this rule is if the PDU was delivered with software version V2.02.01, in which case the update to V2.07.00 can be installed directly without any intermediate steps.

Please ensure that the date and time of the PDU are set to the current time, otherwise, the encrypted update package cannot be installed. Due to changes in the software, a multi-stage update is required. The update will begin with either V2.00.04 or V2.06.00, depending on the current software version installed.

Please note that the software versions V2.06.00 and V2.06.01 are intermediate steps and not independent software releases. Continued use of the PDUs with these versions may result in undesirable behavior.

New Features:

- none

Enhancements:

- Bugfixes

Known Bugs:

- none

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.05.01

(incl. V2.06.00/V2.06.01)

Release date:

22.06.2023

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former releases V2.04.02 and can be installed directly as an update to BlueNet BN3000-BN7500 SW starting with V2.00.04 or higher. Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

In the former versions V2.0x there is a bug, which may lead to the cut-off of some energy values after a reboot. Therefore, it is recommended to update directly to V2.04.00 without a reboot in the meantime (starting from V2.00.04 or newer).

New Features:

- Support of encrypted SMTP communication (TLSv1.2 / TLSv1.3 / STARTTLS)
- Time delay after failed login attempts

Enhancements:

- Bugfixes and security improvements

Known Bugs:

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual

Release Note V2.04.02

Release date:

10/11/2021

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former releases V2.04.01 and can be installed directly as an update to BlueNet BN3000-BN7500 SW starting with V2.00.04 or higher.

Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

In the former versions V2.0x there is a bug, which may lead to the cut-off of some energy values after a reboot. Therefore, it is recommended to update directly to V2.04.00 without a reboot in the meantime. (starting from V2.00.04 or newer)

New Features:**Enhancements:**

- Bugfixes and security improvements

Known Bugs:

- none

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.04.01

Release date:

29/04/2021

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former releases V2.02.01 and can be installed directly as an update to BlueNet BN3000-BN7500 SW release V2.00.04, V2.01.xx, V2.02.xx or V2.03.00.

Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

In the former versions V2.0x there is a bug, which may lead to the cut-off of some energy values after a reboot. Therefore, it is recommended to update directly to V2.04.00 without a reboot in the meantime. (starting from V2.00.04 or newer)

New Features:**Enhancements:**

- Improved network configuration on SW-Update
- Various bugfixes and performance enhancements

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.03.00

Release date:

02/06/2020

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former releases V2.02.01 and can be installed directly as an update to BlueNet BN3000-BN7500 SW release V2.00.04, V2.01.xx or V2.02.xx. Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

In the former versions V2.0x there is a bug, which may lead to the cut-off of some energy values after a reboot. Therefore, it is recommended to update directly to V2.03.00 without a reboot in the meantime. (starting from V2.00.04 or newer)

New Features:

- Switch outlet via signal sequence
- Trigger signal sequence
- Configure WEB-Session timeout
- Flexible order of socket boards
- Slave: Surge Protective Device (SPD) integration
- Signal sequence assignment overview and additional signal sequence Information
- Use HTTPS as the default WEB-Server setting
- Default IP address if DHCP not reachable (during initial installation)
- Event Log entries contain Friendly Names

Enhancements:

- User-Specific storage of column selection in grid
- Improved network configuration
- Show measured value, even when the socket is switched off
- Improved license information
- Slave: Removed Baud-rate configuration from display
- Empty signal chains are disabled
- Various bugfixes and performance enhancements

Known Bugs:

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.02.01

Release date:

07/02/2019

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former releases V2.02.00 and can be installed directly as an update to BlueNet BN3000-BN7500 SW release V2.00.04, V2.01.xx or V2.02.00. Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

In the former versions V2.0x there is a bug, which may lead to the cut-off of some energy values after a reboot. Therefore, it is recommended to update directly to V2.02.01 without a reboot in the meantime. (starting from V2.00.04 or newer)

New Features:

- None

Enhancements:

- Improved documentation of Open Source licenses
- Fixed problem with the cut-off of energy values after reboot

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.02.00

Release date:

21/12/2018

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release is validated to cover the existing functionality of the former releases V2.01.xx and can be installed as an update to BlueNet BN3000-BN7500 SW release V2.00.04 or V2.01.xx.

Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03.

Please ensure, that the date/time of the PDU is set to the current time. Otherwise, the encrypted update package cannot be installed.

New Features:

- Configurable order of relay switching supported on Master PDUs
- Support of LDAP over SSL
- Scheduled RCM self-tests and RCM self-test notifications
- SNMP support for RCM self-test

Enhancements:

- Support of additional Hardware components (SPD, Left-/Right-handed UK outlets)
- Configuration of SNMP and Timezones via CommandLine Interface
- Slightly redesigned WEB GUI
- CommandLine Interface with enhanced Copyright information

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot (BN3000 and BN7000 only)

Release Note V2.01.03

Release date:

12/10/2018

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former release V2.01.02 and can be installed as an update to BlueNet BN3000-BN7500 SW release V2.00.04 or V2.01.00/V2.01.01/V2.01.02. Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03. The update is only possible from V2.00.04 or V2.01.00/V2.01.01/V2.01.02.

New Features:

- None

Enhancements:

- Improved robustness of the network configuration
- Removal of the Modbus TCP Unit Identifier value restriction

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot (BN3000 and BN7000 only)

Release Note V2.01.02

Release date:

7/31/2018

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former release V2.01.01 and can be installed as an update to BlueNet BN3000-BN7500 SW release V2.00.04 or V2.01.00/V2.01.01. Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03. The update is only possible from V2.00.04 or V2.01.00/V2.01.01.

New Features:

- none

Enhancements:

- fix for 1-phase Master PDUs only

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot (BN3000 and BN7000 only)

Release Note V2.01.01

Release date:

6/19/2018

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release covers the existing functionality of the former release V2.01.00 and can be installed as an update to BlueNet BN3000-BN7500 SW release V2.00.04 or V2.01.00.

Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03. The update is only possible from V2.00.04 or V2.01.00.

New Features:

- none

Enhancements:

- fixing an update problem for item number 802.7518 only

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot (BN3000 and BN7000 only)

Release Note V2.01.00

Release date:

3/29/2018

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release is validated to cover the existing functionality of the former release V2.00.04 and can be installed as an update to BlueNet BN3000-BN7500 SW release V2.00.04.

Due to the encrypted update package of this version, it is not possible to install this update directly from the older releases up to V2.00.03. The update is only possible from V2.00.04.

New Features:

- RCM Peak and Added Up values
- Dynamic calculation of RCM thresholds dependent on the current load
- Simplified numbering of unique elements in the tree
- Encrypted and signed update tar-files
- Signed backup files
- Enhanced Modbus TCP protocol for PowerUnit 2
- Updated Linux Kernel V4.4
- Security improvements
- Factory reset can be triggered via the local display
- Updated WEB-GUI design

Enhancements:

- CommandLine Interface improvements
(SMTP configuration, show capabilities, coloured output)
- SNMP improvements
(GPIO support, Peak value and custom energy reset, more slave PDU details)
- Reactive Power is shown unsigned

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot (BN3000 and BN7000 only)

Release Note V2.00.04-2

Release date:

8/29/2017

Supported BlueNet devices:

BN5000
802.5000

Information:

This SW release is created to cover the existing functionality of the former release V2.00.04 and must only be used for the production of an 802.5000. It is not intended to be used as an update image for other PDUs.

New Features:

- none

Enhancements:

- fix for 802.5000

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs (as for V2.00.04)
- Operating Manual and Mounting and installation instructions (as for V2.00.04)
- this Release Note

Release Note V2.00.04

Release date:

6/21/2017

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release is validated to cover the existing functionality of the former release V2.00.03 and can be installed as an update to all former BlueNet BN3000-BN7500 SW releases.

New Features:

- none

Enhancements:

- fix for 3-phase Slave PDU calibration
- fixes for GPIO-module

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI
- Potential cut-off of some energy values after a reboot

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.00.03

Release date:

6/2/2017

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2

Information:

This SW release is completely validated to cover the existing functionality of the former release V2.00.02 and can be installed as an update to all former BlueNet BN3000-BN7500 SW releases.

New Features:

- Support of PowerUnit 2 3HE variants with fuses and RCM

Enhancements:

- SNMP MIB is updated

Known Bugs:

- Network configuration may take a while until it is presented in the WEB or CLI

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note

Release Note V2.00.02

Release date:

5/3/2017

Supported BlueNet devices:

BN3000, BN3500, BN5000, BN7000 and BN7500 Master PDUs
BN3000, BN3500, BN7000 and BN7500 Slave PDUs
PowerUnit 2 (2HE)

Information:

This SW release is completely validated to cover the existing functionality of the former release V1.02.04 and can be installed as an update to all former BlueNet BN3000-BN7500 SW releases.

New Features:

- Configuration import to PDUs of same item number
- Support of the GPIO module (Master PDU/PU2 only)
- Alarm signaling via GPIO module
- Factory Reset via display menu (Master and Slave)
- Improved RCM alarming in the display
- Removal of fix RCM thresholds
- Local user authentication prior to LDAP authentication
- Support of 11 Slave PDUs per Master PDU
- SSH security improvements

Enhancements:

- SNMP MIB is updated

Known Bugs:

- For 3-phase Slave PDUs the Inlet type is shown as '3PDELTA' instead of '4PWYE' as it is shown for Master PDUs
- Network configuration may take a while until it is presented in the WEB or CLI

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

- BlueNet BN3000-BN7500 SW Update package
- SNMP MIBs
- Operating Manual and Mounting and installation instructions
- this Release Note