BlueNet
BN3000 / BN3500
BN5000 / BN7000 / BN7500
and
Power Unit 2

Software Release Notes

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Release Note V2.05.01

Release date:

22/06/23

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 and Mounting and installation instructions
- this Release Note

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 V2.02.01 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:

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

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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.

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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

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 signalling 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