

Changelog NTS and NTS IT

All notable changes to this project will be documented in this file.

The format is based on [Keep a Changelog](#)

Guiding Principles: see <https://keepachangelog.com/en/1.0.0/#how>

Possible log types:

- [Update instructions] for essential requirements, instructions and information about the software update procedure
- [Added] for new features
- [Changed] for changes in existing functionality. Improvements should appear under the 'changed' section
- [Deprecated] for once-stable features removed in upcoming releases
- [Removed] for now removed in this release
- [Fixed] for any bug fixes
- [Security] in case of vulnerabilities or other security related changes

[00070825.01.040406 / 07082025] 2025-08-07

Update instructions

Former version has to be at or above 26112021!

All images have to be updated in 1 step! Bx-800984.05/Bx801080.04 or higher: chapter 7

Added

Changed

- Update ntp to 4.2.8p18
- Update busybox to 1.36.1
- Update pure-ftp (SFTP/FTP) to 1.0.52
- Update zlib (SSH) to 1.3.1
- Update dropbear (SSH) to 2025.87

- Update rssh (SSH/SCP/SFTP) to 2.3.4-29
- Update openssl to 3.5.0
- Update openssh (SFTP) to 10.0p1
- Update net-snmp to 5.9.4
- Update moba-snmpd to 1.12 (adapt to net-snmp 5.9.4)
- Update mailsend to 1.20b2
- dtsapp: Adapt to mailsend 1.20b2
- Update lighttpd to 1.4.79 (NTS IT only)
- Change http to https (NTS IT only)
- dtsapp: Adapt lighttpd 1.4.79 and https

Deprecated

Removed

Fixed

- dtsapp: Fix mail tls
- dtsapp: Fix missing dropbear_ed25519_host_key

Security

- See also "Changed" (updates)
- Change http to https (NTS IT only)

[00160224.01.030305 / 16022024] 2024-03-20

Update instructions

Former version has to be at or above 26112021!

Bx-800984.05/Bx801080.04 or higher: chapter 7

Added

Changed

- Update ntp to 4.2.8p17
- Update dropbear (SSH) to 2022.83
- watchdog time increased to delay unintentional reboot with very high network load

Deprecated

Removed

- remove unused libs in rootfs

Fixed

- set default config (MOBA) as link

Security

- Detect and block SSH brute force attack
- Disallow TCP timestamps
- Default settings changed (Telnet & FTP off, SNMP V3 only)
- See also "Changed" (updates)

[00251121.01.030204 / 26112021] 2021-11-26

Update instructions

First step: Update rootfsNTS.img, ulmageNTS and ntsapp.img image. After reboot update ntsv2cfg.img (save configuration before this update)
See also Bx-800984.03/Bx801080.03 or higher: chapter 7

Added

Changed

- Update ftpd, sftp, busybox
- Update ntp
- Update lighttpd for NTS IT

Deprecated

Removed

Fixed

Security

- Root user login deactivated

[00010714.01.010103 / 31032015] 2015-03-30

Update instructions

If previous version was 06112013 (ntsapp V0.01) or 14112013 (ntsapp V0.01) the following special procedure has to be used:

1. step: update only ntsapp.img and ntscheck.md5
2. step: update ntscfg.img, rootfsNTS.img and ntscheck.md5

Disregarding this procedure, will lead to an unusable firmware combination, which can only be restored by the factory!

See also Bx-800984.00 or higher: chapter 7

Added

Changed

- New ntp version 4.2.8p1 including adaption of the timedevice
- Add fixed IP (192.168.46.46) to NTS IT for initial configuration (available for 10 min after start, when no other IP is available)
- Bugfix to show correct format if the source is a IPv6 NTP server
- Bugfix in MIB file

Deprecated

Removed

Fixed

Security

[00010714.00.010002 / 23072014] 2014-07-25

Update instructions

If previous version was 06112013 (ntsapp V0.01) or 14112013 (ntsapp V0.01) the following special procedure has to be used:

1. step: update only ntsapp.img and ntscheck.md5
2. step: update ntscfg.img, rootfsNTS.img and ntscheck.md5

Disregarding this procedure, will lead to an unusable firmware combination, which can only be restored by the factory!

See also Bx-800984.00 or higher: chapter 7

Added

Changed

- Added NTS IT to software
- Fixed NTP MCast poll interval in menu
- Add configuration to restrict NTPQ (DDOS attack)
- Fixed SNMP V1/V2c write access (has been always blocked before)
- Always show link local address of gateway
- Fixed IPv6 autoconfig. for slow link built-up
- Added IPv6 MCast for NTP and TZ-server
- Fixed menu error in TZ-server menu

Deprecated

Removed

Fixed

Security