



Release Notes

Firmware NTS-3000/4000/5000



TABLE OF CONTENTS

CURRENT RELEASE	1
FIRMWARE 190405	1
FIRMWARE 190315	2
FIRMWARE 190305	2
FIRMWARE 190105	3
FIRMWARE 161128	3
FIRMWARE 161126	4
FIRMWARE 161122	4
FIRMWARE 161120	5
FIRMWARE 161116	5
FIRMWARE 161114	6
FIRMWARE 161110	6
FIRMWARE 161026	7
FIRMWARE 161024	7
FIRMWARE 161022	8
FIRMWARE 161020	8
FIRMWARE 161018	8
FIRMWARE 161016	9
FIRMWARE 161014	9
FIRMWARE 161012	10
FIRMWARE < VERSIONS 2000-2015>	10

Copyright

Copyright © Elproma Elektronika Sp. z o.o. All rights reserved. No part of this document may be reproduced or translated into any language by any means without the written permission of Elproma Elektronika Sp. z o.o. Throughout this document Elproma Elektronika Sp. z o.o. will be referred to as ELPROMA.

Disclaimer

ELPROMA makes no warranties for the contents of this document or the accuracy or completeness thereof and disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, ELPROMA reserves the right to revise this document and to make changes without notifications to any person of such changes. The information contained in this document is provided solely for use in connection with ELPROMA products. This document should not be construed as transferring or granting a license to any intellectual property rights, neither expressed nor implied.

ELPROMA products have not been designed, tested, or manufactured for use in any application where failure, malfunction, or inaccuracy carries a risk of death, bodily injury, or damage to tangible property, including, but not limited to, use in factory control systems, medical devices or facilities, nuclear facilities, aircraft, watercraft or automobile navigation or communication, emergency systems, or other applications with a similar degree of potential hazard

Revision History

Rev	Date	Comment
1.0	2019-05-14	New template format

CURRENT RELEASE

Important note!

The reference number codes a date of FIRMWARE release in format YYMMDD

FIRMWARE 190405

New features and improvements

- Support NTP SHA keys

Bugfixes

- fixed BINR input mode

FIRMWARE 190315

Upgrading to New Software Release

- ntp-4.2.8p13 • monit-5.25.3 • php-5.6.40

New features and improvements

- HP5071 driver

FIRMWARE 190305

Upgrading to New Software Release

- ntp-4.2.8p12
- OpenSSL 1.0.2r
- php-5.6.40
- curl-7.64.0
- lighttpd-1.4.53

FIRMWARE 190105

Upgrading to New Software Release

- Openssl 1.0.2q
- Openssh 7.9p1
- php-5.6.39
- curl-7.63.0
- lighttpd-1.4.52
- monit-5.25.2

New features and improvements

- improve PTP Slave
- added PTP firmware upgrade

FIRMWARE 161128

Bugfixes

- fix GNSS logs in NMEA mode
- fix running GNSS BINR driver after reconfiguring

FIRMWARE 161126

New features and improvements

Calibration & product performance improvements

FIRMWARE 161122

Bugfixes

- upload certificates SSH/SSL
- fix auto-upgrade OCXO firmware (NTS-4000/5000 only)

Upgrading to New Software Release

- ntp-4.2.8p11
- php-5.6.35
- openssl-1.0.2o

Note

After upgrade, you need clear your web browser and next, enable NTP service on LAN1 and LAN2 by SSH-SETUP

FIRMWARE 161120

New features and improvements

- BEIDOU support added

FIRMWARE 161116

New features and improvements

- PTP (software) support added f

or std. LAN1, LAN2

(ITU-T G.8265.1 Telecom profile unicast master)

Upgrading to New Software Release

- Lighttpd-1.4.49

FIRMWARE 161114

New features and improvements

- Web server disabled TLS1.0,1.1
- Automatic upgrade OCXO microcode, during firmware upgrade

Bugfixes

- Setup SSH configuration SNMP service on LAN1 and LAN2
- Setup WWW configuration multicast and broadcast

Note

Note! After upgrade, you need clear your web browser and next, enable NTP service on LAN1 and LAN2 by SSH-SETUP

FIRMWARE 161110

New features and improvements

- Added support of PTP SLAVE

Upgrading to New Software Release

- php-5.6.33
- lighttpd-1.4.48 • openssh-7.6p1
- openssl-1.0.2n • curl-7.58.0
- bash-4.4.18

FIRMWARE 161026

New features and improvements

- Disable Mode 6 queries

FIRMWARE 161024

Upgrading to New Software Release

- ntp-4.2.8p10
- php-5.6.31
- lighttpd-1.4.47 • openssh-7.5p1

Bugfixes

- Improved configuration network settings on PTP cards
- Restart Rubidium from setup WWW

FIRMWARE 161022

Upgrading to New Software Release

- openssl-1.0.2l • openssh-7.5p1 • php-5.6.31

New features

- PTP: support for new module version

FIRMWARE 161020

Bugfixes

- Internal log cleaning

FIRMWARE 161018

Bugfixes

- WWW - Correct message to successful password change

FIRMWARE 161016

Upgrading to New Software Release

- openssl-1.0.2k • php-5.6.30
- lighttpd-1.4.45

New features

- Default setting TIMER OUT to IRIG OUT DC

Bugfixes

- WWW – System Rubidium information, showed always not installed

FIRMWARE 161014

New features

- added support for older IRIG module (based on MB ASCII) NTS-4/5000

Bugfixes

- SNMP Traps sned when antenna change states from failure to not failure

FIRMWARE 161012

Upgrading to New Software Release

- NTS system kernel
- ntp-4.2.8p9
- openssh-7.4p1
- openssl-1.0.2j
- php-5.6.29
- lighttpd-1.4.44

New features and improvements

- added VLAN configuration (ssh)
- added antenna mode selection NMEA or NV08 (GPS+GLANASS)
- improved NMEA output – full antenna simulation
- added info about LCD state (WWW), OCXO, IRIG IN/OUT, Rubidium
- added location in google maps from GNSS (WWW)
- added login status antenna in syslog
- added auto-update leap seconds announce (if server connected to internet)

Bugfixes

- multiple sending SNMP Traps after reboot
- RADIUS Telnet authentication

FIRMWARE < VERSIONS 2000-2015 >

- Have been moved to ELPROMA archive