

Version 1.311 (build 8) -- RELEASE NOV 2023 --

- Full rebranding to Anybus.
- New menu layout:
 - Channel list is merged into "Home" page
 - Oscilloscope Errors is merged with dropdown in "Oscilloscope Images" page
 - "Diagnostic Slave info" has been renamed into "ProfiHub Diagnostics"
 - "IP Configuration" has been merged with "General Configuration"
 - "E-mail accounts config" has been renamed into "E-mail configuration"
 - "E-mail & log event config" has been renamed to "Alarm Configuration"
 - "Output event configuration" has been merged with Alarm Configuration
 - "SNMP Event Config" has been renamed to "SNMP Configuration"
 - "Diagnostic Slave configuration" has been renamed to "ProfiHub Configuration" and is merged with "Network Configuration"
 - "User message" is merged with "Password & User configuration"
 - "Update License" has been renamed to "Licenses"

Version 1.310 (build 1) -- RELEASE MAY 2023 --

- Add support for the Lattice FPGA based headstation.

Version 1.309 (build 1) -- RELEASE APRIL 2023 --

- Partial rebranding to Anybus.

Version 1.308 (build 1) -- RELEASE JULY 2022 --

- Add support for the Xilinx XC6S-LX25-FT256 FPGA based headstation.
- When the Xilinx XC6S-LX25-FT256 FPGA is used there will be a fixed license.
- When the Xilinx XC6S-LX25-FT256 FPGA is used the following limitations are in place:
 - 3 networks (normally this is 4).
 - No support for CommDtm.
 - no license update mechanism.
 - No support for ComBricks Profibus modules.
 - No support for ComBrick Profinet modules.

Version 1.307 (build 11) -- RELEASE APRIL 2022 --

- Improvement: BxFOR+ Fiber optic signal & ring also apply to the FO-events.
- Fix: The Head Station master did not come online after a while, while switching between multiple networks.
- Fix: Input fields are now checked for special characters.
- Fix: Password security has been increased.
- Improvement: Logging has been added when the ComBricks is set to factory defaults.
- Improvement: Logging has been added when the ComBricks' password is changed or cleared.
- Improvement: Logging has been added when the user attempts to log in to the ComBricks.

Version 1.306 (build 0) -- RELEASE JULY 2020 --

- Fix: Stability issue at startup fixed

Version 1.305 (build 0) -- RELEASE JUNE 2020 --

- Fix: Fix is SNMP library

Version 1.304 (build 9) -- RELEASE MAY 2020 --

- Fix: Updated the IP-stack

Version 1.303 (build 2) -- RELEASE NOVEMBER 2019 --

- Fix: SNMP library bug fix
- Improvement: Overall speed improvement
- Improvement: Message recorder has changed default settings
- Improvement: Network event log has changed default settings
- New: B2FOR+ and B4FOR+ have been added to the diagnostic slave page

Version 1.302 (build 1) -- RELEASE APRIL 2019 --

- Fix: Some times message recording created a corrupted file.
- Improvement: Added module & device tag names to events.
- Improvement: Links on the web interface follow the user account rights.
- New: Relay, Email & log events on Profibus DP idle level.
- New: Measurement time is displayed on the top of each web page. It can be reset with 'clear all data'.
- New: ComBricks can be remotely update via the NCI tool (Requires firmware version 1.302 or higher in the Head Station).

Version 1.301 (build 1) -- RELEASE JANUARY 2019 --

- Diagnostic slaves of ProfiHubs (ProfiHub firmware 2.0) can be detected. Detailed information is exported to the webpage & SNMP.
- 'ComBricks' and 'Head Station' are correctly spelled throughout the firmware.
- Fix with the German language file, where a translation was inconsistent.

Version 1.300 (build 0) -- RELEASE OCTOBER 2018 --

- Fix: On the scope modules the TERM and/or MIN leds show incorrect value (bug introduced in V1.299)

Version 1.299 (build 9) -- RELEASE OCTOBER 2018 --

- New: Maintenance button has been added to put the ComBricks into maintenance mode. This will pause the logging of events.
- New: SNMP Traps on physical measurements have been added: DP (Bargraph, idle level) & PA (Bargraph, jitter, DC measurements).
- Fix: Clear All Data now also clears Scope Images saved on the SD-card & pending Email/Log events.
- Improvement: LEDS of the PA-coupler/link module are shown on the module specific web page.
- Improvement: Live list can be reset without resetting the IdentNrs.

Internal:

- New: Diagnostic slave read-out. has been added but not visible to the user.
- New: Message recording overview file has been added. this functionality is disabled for now.

Version 1.298 (build 0) -- RELEASE MAY 2018 --

- Fix: Several fiber optic ring module corrections.
- New: SNMP trap can be sent when the head station has a system-failure or io-failure.
- Improvement: The internal temperature of the head station has been added to system-failure event.

Version 1.297 (build 1) -- RELEASE April 2018 --

- New: Head Station now supports SNMP traps.
- New: SNMP trap can be sent when the head station starts/restarts it software.
- New: SNMP trap can be sent on Power module events (PWR-6A, 101-230010, Hardware revision V1.4 and newer).
- Improvement: Log/Email/Output events can be activated for Power module (PWR-6A, 101-230010, Hardware revision V1.4 and newer).

Version 1.296 (build 3) -- RELEASE January 2018 --

- Improvement: Output control now supports 20 configurations.
- Improvement: Transceiver has been improved to correct deviation on timing of incoming signals

Version 1.295 (build 1) -- RELEASE October 2017 --

- Fix: (issue CHS-71/TS10355) Webpage shows 'Not found' error message without apparent reason.

Version 1.294 (build 11) -- INTERNAL RELEASE FOR HE+ --

- Fix: (issue CHS-1/8983) Message recording; the messages before and after trigger are checked against stricter limits.
- Fix: Several bug fixes in the IP stack & File system
- New: Modifications for ComBricks HE+. Normal ComBricks and HE+ use the same Head Station package.
- New: Web, Streaming and CommDTM TCP-ports are configurable.

Version 1.293 (build 4) -- RELEASE November 2016 --

- New: Events can be sent to four configurable email groups.
- Fix: Some German translations were inconsistent.

Version 1.292 (build 2) -- RELEASE September 2016 --

- New: Output control has been extended with the function to only enable a relay/output during an error.
- Fix: The NTP server could time was not handled correctly (error was introduced in 1.291)
- Fix: The Ext. Diag. statistic was not resetted correctly.

Version 1.291 (build 4) -- RELEASE March 2016 --

- Fix: Message recording files were not always deleted properly.
- Fix: SNMP returned incorrect maximum statistics values.
- Fix: Downloading the log from the web page failed some times.
- Fix: Station lost sometimes counted double.
- Fix: The CommDTM master sometimes did not respond correct to an FDL status message.
- Fix: Time zone list has been completed with all used time zones.

Version 1.290 (build 8) -- RELEASE November 2015 --

- New: The menu layout can be adjusted by an administrator, so users can only see/access certain pages.
- Fix: Green DX background in live list sometimes disappeared.
- Fix: Sometimes the lost statistic was not counted correctly due to illegals on the Profibus network.
- Fix: Some events we not generated on Ext. diag statistic.
- Fix: Downloading PDF files from the Head Station did not work correctly on some browsers.
- Fix: Sometimes the head station did not respond on Ethernet.
- Fix: Output control did not respond to baudrate changes.
- Fix: Output control some times did not display the correct configuration after reloading the page.

Version 1.289 (build 0) -- RELEASE May 2015 --

- New: Support for Fiber Optic ring modules (SM, MM & XM).
- New: Signal and ring events for Fiber Optic ring module.
- Fix: Some phrases were not translated.
- Fix: Fiber Optic fix for 6Mbit networks.
- Fix: Downloads link in the menu was not visible.

Version 1.287 (build 0) -- RELEASE ?? January 2015 --

- Fix: issue salesforce 6042, on webpage update license, streaming Profitrace on yes in stead of 1

Version 1.287 (build 6) -- RELEASE ?? January 2015 --

- New: Support for Foundation Fieldbus module.
- New: Livelist for Foundation Fieldbus.
- New: Scope images/bargraph for Foundation Fieldbus.
- New: Physical network events for Foundation Fieldbus.

Version 1.286 (build 8) -- RELEASE ?? November 2014 --

- New: Option to automatically save scope images and bargraphs to the SD card
- Fix: File system library has been updated.
- Fix: Streaming stability has been improved.
- Fix: Fixed spurious logging of changed baudrate in the network log for PA cards.

Version 1.285 (build 2) -- RELEASE 31 July 2014 --

- Fix: Support for Asian languages has been added.
- Fix: SD-card functions have better error handling.

Version 1.284 (build 2) -- RELEASE 18 July 2014 --

- Fix: Fix in CommDTM master error handling.
- Fix: Head station temperature was not displayed correctly if the temperature was below 0 Celsius.
- Fix: If an erroneous SD-Card was inserted at start-up, the Head station would not start-up correctly.

Version 1.283 (build 2) -- RELEASE 12 June 2014 --

- New: An administrator can clear all current information in the "Device management".
- Fix: Fixed an unexpected DP-V1 abort during CommDTM communication.
- Fix: Fixed several CommDTM DP-V1 bugs.
- Fix: Fixed a bug regarding the SMTP (email) client.
- Fix: A long tag name in the livelist is broken into two words so all text is visible in the cell.

Internal:

- Fix: Fixed a bug regarding password management, where an unauthorized visitor could retrieve the admin password.

Version 1.282 (build 6) -- RELEASE (PHOENIX CONTACT) 7 MAY 2014 --

- Fix: Unexpected DP-V1 abort during CommDTM communication.
- Fix: Fixed several CommDTM DP-V1 bugs.

Version 1.281 (build 5) -- RELEASE MARCH 2014 --

- Fix: In certain cases the oscilloscope images could not be retrieved from the modules.
- Fix: With certain (exotic) busparameters the CommDTM master would not get in the token-ring.

Version 1.280 (build 5) -- RELEASE FEBRUARI 2014 --

- Fix: When activating DHCP on the webserver, the manually entered IP addresses are not checked.
- Fix: In certain cases an administrator could not save settings.

Version 1.279 (build 7) -- RELEASE 31 DECEMBER 2013 --

- New: Network config has been extended for PA-Link switches.
- New: PA-Link device info webpage has been extended with PA-Link settings.
- Fix: The DHCP host-name was not always sent correctly.
- Fix: The redundant state of Profibus channels was not always displayed correctly on the channel list webpage.

Version 1.278 (build 11) -- RELEASE 11 NOVEMBER 2013 --

- Improvement: SNMP agent compatibility improved.
- Fix: The Head Station Device name is limited to alphanumeric characters.
- Fix: The Message record settings are disabled if Message recording is active.
- New: An NTP server can be set-up in the general config.
- Improvement: The event config has been extended with events on Fiber optic signal strength.
- Improvement: The output control config has been extended with events on Fiber optic signal strength.
- Fix: The baudrate is shown on the webserver if a Head Station has a 1A license.
- Improvement: The event config has been extended with events on Head station system failures.
- Improvement: The output control config has been extended with events on Head station system failures.
- Fix: Busparameter fix in FDL master.
- Fix: Improvement in webserver stability.

(interne referentie)

- New: Samenvattingspagina voor de duurtest. (http://ip-address/duration_test.htm)
- Fix: Verbetering in betrouwbaarheid statistieken (gevonden tijdens duurtest)

Version 1.277 (build 7) -- RELEASE 12 AUGUSTUS 2013 --

- New: The statistics view also displays livelist background color.
- New: Bargraph values can be read out using SNMP (see updated SNMP-MIB file).
- New: New Fiber Optic module is supported.
- Fix: If the head station has an output-control configuration, write access to the configured module is blocked for other

modules.

- Fix: The CommDTM master now supports 128 independent DP-V1 connections.
- Fix: Head station bitmap image has been updated in the channel list.
- Fix: Bargraph values did not become inactive if the stations are transferred to another channel in the same network.
- Fix: Bargraph SCOPE-repeater signal did not become inactive if the SCOPE-repeater itself is not forwarding messages.
- Fix: Some visual fixes in the channel-list webpage.
- Info: Languages other than English and German have to be copied manually in the 'trans' directory of the SD-Card in order to be used.

They can be downloaded separately for the Procentec website.

Version 1.276 (build 3) -- RELEASE 17 JUNI 2013 --

- New: Czech language added.
- Fix: The user was not able to select 'N/C' in the Network Config, when a license with less than 4 networks was active.
- Fix: CommDTM bugfix, some DP-V1 Messages did were not transferred to the network.

Version 1.276 (build 1) -- RELEASE TUSSENDOR INTERN! --

- New: Czech language added
- Fix: With less than 4 available networks, the user was not able to select 'N/C' in the Netowrk Config.

Version 1.275 (build 7) -- RELEASE 8 APRIL 2013 --

- New: Failsafe functionality has been added for the PND-001 and PBS-001 modules.
- Fix: CommDTM bug fixed.

(interne referentie)

- Improvement: Na het initieel programmeren van een licentie, hoeft de combricks niet opnieuw opgestart te worden.
- Fix: Het output geheugen van een module wordt ge-cleared als de module eruit wordt getrokken zodat de nieuwe module met op '0' geïnitieerde outputs begint (bv: relais module -> output module)
- Fix: Bovenstaande CommDTM bug kwam voor als er een busparameter én connect request vlak achter elkaar verzonden werden naar de CB-HS. De connect request kwam dan niet goed door en werd niet afgehandeld.

Version 1.274 (build 2) -- RELEASE Several bugs/features --

- New: A Live List legend has been added.
- Improvement: On the webpage of the Power Module the meaning of the Overload LED has been changed to a more clear description.
- Improvement: After startup the log is directly saved to the Micro-SD-card to save the log messages produced at startup.
- Improvement: The DC-Noise measurement has been added to the PA-Measurements webpage.
- Fix: The Tag-names of module/slots and Live List stations can now only be changed by administrators.
- Fix: CommDTM TCP communication bug fixed.

Version 1.273 (build 6) -- BETA RELEASE SD-CARD HANDLING --

- Fix: The firmware handles faulty SD-Cards better and lights the SYSF-LED in case of problems.

Version 1.272 (build 4) -- BETA RELEASE COOKIE BUG --

- Fix: Certain HTTP requests were not handled correct.

Version 1.272 (build 2) -- BETA RELEASE ALIVE-EMAIL BUG --

- Fix: Enabling the Alive-email caused the Head-Station to crash and reboot.
- Fix: In certain situations the Email addresses were not displayed correctly in an Email.

Version 1.271 (build 5) -- BETA RELEASE 8DI --

- New: 8DI module is supported.
- Fix: Some module images have been updated.

Version 1.270 (build 4) -- BETA RELEASE IS-SCOPE --

- New: IS-Scope module is supported.

Version 1.269 (build 6) -- RELEASE NOVEMBER 2012 / SPS2012 --

(COMbricks head station)

- New: German language has been added.
- Fix: Tag names for slots and livelist stations were not deleted on a factory reset.
- Fix: When making a backup or restoring the settings to/from SD-card, the usermessage and tag-name files are also copied.
- Fix: Javascript libraries have been updated for compatibility with Internet Explorer 9.
- Fix: If no SD-card was present on the system, the Head-Station info page displayed false capacity/free space values.
- Fix: On the 'Output control' web page, the module tag names were mixed up.
- Fix: On the 'PA-measurements' web page the jitter color has been changed from red to blue.
- Fix: On the 'PA-coupler info' web page, the used current is now displayed in mA.

Version 1.267 (build 69) -- RELEASE OKTOBER 2012 --

(COMbricks head station)

- New: The timeout of livelist station can be adjusted in the Network config.
- New: Profibus slave module is supported.
- New: Profibus PA-coupler module is supported (including events on E-mail, Log and Output-controls).
- New: Tag names for slots have been added so users can give them understandable names (menu->Tag-name config).
- New: Tag names for livelist-stations have been added so users can give them understandable names (menu->Tag-name config).
- Improvement: On SNMP the livelist values can be retrieved as an SNMP-TABLE at 1.3.6.1.4.1.38925.1.1.2.8 (please use the newest SNMP-MIB for this feature).
- Fix: When running on a network with very large slot times, the statistics did not count correct.
- Fix: When doing a DHCP request, the COMbricks headstation will send its device-name with the request.
- Fix: When creating a directory on FTP, the return code was different from the FTP-standard.

(SNMP MIB)

- Improvement: On SNMP the livelist values can be retrieved as an SNMP-TABLE at 1.3.6.1.4.1.38925.1.1.2.8

(interne referentie, kleine wijzigingen, uitleg over bovenstaande)

- vertaalbaar maken van de head station is reeds aanwezig, dit zorgt voor een iets langere opstarttijd. opstarttijd zou rond de 40-50 seconden moeten zijn.

Version 1.266 (build 29) -- RELEASE 10 AUGUSTUS 2012 --

(COMbricks head station)

- New: The SD-card capacity, free space and used space are displayed on the 'Head Station info' web page.
- New: The default 'start page' of the webserver can be changed.
- New: The channels on a Profibus repeater can be disconnected from a network.
- New: A periodic alive-email can be sent on a user specified interval.
- New: An email/log-entry can be sent/added if one of the redundant powers connected to the COMbricks Head Station fails.
- New: A relay or output can be switched if one of the redundant powers connected to the COMbricks Head Station fails.
- New: An email/log-entry can be sent/added if one of the redundant profibus channels fail.
- New: A relay or output can be switched if one of the redundant profibus channels fail.
- Improvement: At the 'bargraph' web page of the SCOPE modules, there is a text explaining the measurement method.
- Improvement: The 'channel list' web page also displays redundant profibus channels.
- Fix: The idle line voltage of a SCOPE module displayed an incorrect value when the A & B-Line were shortend together.
- Fix: When entering a password on the 'password config' web page, asterisk signs (*) are displayed.
- Fix: FDL status request are exluded from retry mechanism.

(Discovery tool, head station firmware 1.266 required for some features)

- Improvement: The Discovery tool has the ability to find a free IP-address when changing the IP-address of a COMbricks Head Station.
- Improvement: The Discovery tool has the ability to set a COMbricks Head Station to DHCP.
- Improvement: The COMbricks Head Station Device-Name is displayed in the Discovery tool.
- Improvement: The Discovery tool will display a warning message when browsing to a COMbricks Head Station's webserver, if the IP-address is not in the same range as the user's PC.

(interne referentie, kleine wijzigingen, uitleg over bovenstaande)

- Improvement: In het info scherm van de PA module, de stroom in mA weergeven. (ondersteuning PA is ook verder uitgebreid)
- Discovery tool has a new icon and bitmap image of the COMbricks
- Addressing of coupler ram inside the FPGA is not OK
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Version 1.265 (build 9) -- RELEASE X JUNI 2012 --

- New module is supported: Power module.
- Fix: Better support for new webbrowsers (Firefox 12).
- Fix: Bug fix in CommDTM-stack.
- Fix: Values in 'other scope settings' table were not always displayed correct.
- Fix: In a specific situation, when manually changing an output in the 'output control' webpage, the output did not respond.
- Fix: 'Reset this statistic' on the statistics page did not work correct.

(interne referentie, kleine wijzigingen, uitleg over bovenstaande)

- Fix: Ramcode signature zit op vaste plek achteraan de bin-file
- Fix: In firefox versie 12 is er geen 'timeout' element voor het XmlHttpRequest object.
- Fix: In de CommDTM-stack, is foutafhandeling verbeterd
- Fix: Bij de output control, als je een instelling wijzigde, en dan een output op manual-on of -off zet, dan reageerde de output niet.
- Fix: Bij de scope beelden wordt de voltage schaal aangepast a.h.v. de schaal van de gebruikte ADC

Version 1.264 (build 30) -- RELEASE 10 APRIL 2012 --

- New: SNMP functionality has been added.
- New module is supported: Profinet IO-Device.
- New module is supported: 2ch Fiber Optic
- New module is supported: NONPB SCOPE repeater module.
- Improvement: The 'message recorder' now supports up to 1000 files per network to record.
- Improvement: The modules are found much faster by the Head station.
- Improvement: Scope config page has been updated for the NONPB SCOPE repeater.
- Improvement: E-mail addresses can be separated by a ';' as well as by a ','.
- Improvement: Device-Name has been added to identify COMbricks headstations.
- Improvement: The 'Channel list' web page displays a more realistic map of the COMbricks modules and connected devices.
- Improvement: The 'info web pages' display the errors in RED text color.
- Fix: The 'CommDTM server' was some times assigning the wrong master to an incoming connection, when using more than one connection.
- Fix: The 'CommDTM master' was some times coming on to the bus before it received a token.
- Fix: The 'Channel list' web page: when devices on a channel were switched over to another network/channel, the devices on that channel were not displayed correctly.

(interne referentie, kleine wijzigingen)

- Improvement: Code wordt nu ook vanuit SDRAM uitgevoerd.
- Improvement: Debug log web pagina is gedetailleerder.
- Improvement: The 'headstation info' web page displays the operational voltage.

- Improvement: Nieuw favicon op de webpagina.
- Improvement: de HTML pagina's bevatten tags waarmee ze niet door zoekmachines gescand worden.
- Improvement: Output control task has been optimized (performance).
- Improvement: Output control task / Notify task (email & log) have been modified for scope-card specific bargraph-MIN values.
- Improvement: module enumeration task has been optimized (performance).
- Fix: er is een bug gefixt waardoor HS met een serienummer hoger dan 999 mogelijk hun serienummer verkeerd weergaven.
- Fix: copyright stond nog op 2011, ipv 2012
- Fix: de kleur van de scope lijn werd ongewild veranderd, bij het saven van de settings.

Note: Output control has been optimized. BETA TESTERS: Please test it firmly!

Note: Message recorder has been updated. BETA TESTERS: test it firmly, also with small & full SD-cards!

Note: Some program code runs in SDRAM now. BETA TESTERS: test the whole software firmly!

Version 1.262 (build 60) --RELEASE BASED ON 1.261--

- Fix: SD-Card bug fixed
- Fix: Scope images were not always displayed on the web page.

Version 1.262 (build 31) --BETA--

- New: SNMP functionality has been added.
- Improvement: The e-mail addresses can be seperated by a ';' as well as by a ','.
- Improvement: Device-Name has been added to identify COMbricks headstations.
- Improvement: The 'channel list' web page displays a more realistic map of the COMbricks modules and connected devices.
- Improvement: The info web pages display the errors in RED text color.
- Fix: Scope images were not always displayed on the web page.
- Fix: The CommDTM server was some times assigning the wrong master to an incomming connection.

(intern)

- Improvement: Code wordt nu ook vanuit SDRAM uitgevoerd
- Improvement: Debug log web pagina is gedetailleerder
- Improvement: The 'headstation info' web page displays the operational voltage

Version 1.261 (build 37) --BETA--

- Fix: The CommDTM server was some times assigning the wrong master to an incomming connection.

Version 1.261 (build 36)

- New: Comm-DTM functionality has been added (2 masters).
- Fix: The idle line voltage of the SCOPE-repeater was not displayed correct when there was no baudrate detected on the network.
- Improvement: SCOPE-repeater TERM-LED MIN- and MAX-voltages can be set manually on the SCOPE-config page.
- Improvement: 'Device name' and 'System contact' have been added in the device settings, it will be sent along with E-mails.
- Improvement: The actual IP-settings are displayed on the IP-config page.

- Improvement: The telnet interface has been updated (display of data has been improved)

Version 1.260 (build 20)

- New: Oscilloscope modules are supported (last/min/max images, error images, bargraph)
- Fix: Time-out of data-exchange slave is now set to 5 seconds.

Version 1.255 (build 14) -- testversie voor Fedor & Distributeursmeeting

- New: Oscilloscope modules are supported

Version 1.254 (build 38)

(intern)

- Fix: Masterlost bug in output control has been fixed. (comapred to 1.254.37

Version 1.254 (build 37)

(intern)

- New: An info page for the scope-module has been added.(disabled in release)
- New: An info page for the relay-module has been added.
- Improvement: COMM-DTM server has been improved, ready for testing. (disabled in release)
- Improvement: Debug page "system info" has more detailed info about head-station errors.
- New: Acyclic- and mailbox-functions have been added for communication between submodules.
- Improvement: Fpga communication now works on a 1ms timer
- Improvement: Enumerating modules has a retry mechanism built in.
- Improvement: Memory (LED space) of repeater modules is blocked for other modules
- Fix: Doc-dir check in de headstation was niet goed geïmplementeerd. is nu gefixt.

(publiek)

- New: Output control has been added. The relay on the Head station can be controlled manually, on a specific time or on Profibus events.
- New: A list of connected clients, and the service they are using, is displayed in the status-webpage.
- New: A device channel list has been added. This page displays all connected Profibus devices (with livelist colors) and on what channel of the COMbricks repeaters they are connected.
- Improvement: The email error messages are more clear about what is wrong.
- Improvement: The speed of enumerating modules has been increased.
- Improvement: When restoring settings from the SD-card, the new IP-address is automatically applied.
- Improvement: When applying factory defaults, the settings-backup on the SD-card is not removed.
- Bug fix: In the repeater status page, the number of stations on the channels was not always correctly displayed.
- Bug fix: Ext diag statistic did not always display the correct value.

Version 1.253 (build 52)

- Bug fixed in production test: relay was not controllable by the test-sw in version 1.253.51

Version 1.253 (build 51)

(intern)

- Work in progress: Oscilloscope-card preparations (oscilloscope images and bargraph)
- Work in progress: 2 FDL-masters have been added, and CommDTM functions can be executed with them.
- Improvement: Webserver now supports cookies!
- Improvement: Security is improved, password is sent encrypted over the web connections.
- Improvement: Security is improved, password is sent as cookie variable and not as URL-parameter.
- Improvement: Webserver now supports larger buffers, and longer path names.
- Improvement: IP-window size and buffers have been updated.
- Improvement: IP-stack/Webserver source code has been added.
- New: FTP dummy-file is available on \nor\$1\$\ when using procentec login account.
- New: Debug log has been added as webpage (debug_log.htm).

(publiek)

- New: Streaming telegrams to Profitrace via ethernet.
- New: Repeater modules have their own status page.
- Fix: In Firefox, the warm restart function did not work 2 times after one another.
- Fix: The FTP server was not able to rename directories.
- Improvement: Caching is enabled for the webserver files, loading web pages should be faster now.
- Improvement: Handling of the periodic browser-data has been improved.
- Improvement: Headstation current limit has been changed from 2.5A to 2.8A.
- Improvement: Headstation current overload (>3.0A) causes it to shutdown and retry after a couple of seconds.

Version 1.252 (build 36)

- Work in progress: Oscilloscope-card preparations (oscilloscope images and bargraph)
- Work in progress: 2 FDL-masters have been added, and CommDTM functions can be executed with them.
- Work in progress: Streaming telegrams to Profitrace.
- New: A download area has been added on the website, it is only visible if suitable files are present on the micro-SD-card.
- New: The triggered busmonitor can now automatically re-trigger after an event.
- New: The triggered busmonitor displays the result of the previous saved trigger-event.
- Improvement: IP-stack has been updated.
- Improvement: A bug in the module enumeration has been fixed.
- Improvement: On the website, head station serial number is displayed on the license page.
- Improvement: On the website, event config has been moved to the Profitrace-OE section of the menu.
- Improvement: Optimizations in the javascript.
- Improvement: Javascript timeout has been fixed.
- Improvement: Javascript support for old browsers (IE6.0) has been improved.
- Improvement: Bug in SD-ram check, now really checks the SD-ram of the headstation. If an error occurs, the SF-LED is lit.

Version 1.250

- Improvement: Several bugs fixed
- Improvement: Several optimizations

Version 1.249

- NEW: Module diagnostics directly from the status screen
- Improvement: Consistent written menu items
- Improvement: Better license descriptions in the licence update screen
- Improvement: More FTP commands
- Improvement: More log entries

Version 1.241

- NEW: First release