

G4 software release notes

Pre-Release_1 8.19	v8.19-pre1	5.12.2025	Petr Bureš	Not released
<ul style="list-style-type: none"> released for OP-1549/2025 new stopwatch control mode no. 8 				
Release 8.18	v8.18	4.12.2025	Petr Bureš	Released
<ul style="list-style-type: none"> fix store the End Time setting for count-up mode (target time of the stopwatch) to dataflash fix default value of the End Time interval in factory settings 				
Release 8.17	v8.17	9.10.2025	Petr Bureš	Released
<ul style="list-style-type: none"> add the End Time setting for count-up mode (target time of the stopwatch) add control mode 7 - stopwatch runs while the input is active add contact (relay) closing mode "L" - contact stays closed until the stopwatch is re-initialized 				
Release 8.16	v8.16	27.8.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> slow down SPI for displays 				
Release 8.15	v8.15	14.8.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> remove spread modulation and subframe shift 				
Release 8.14	v8.14	27.5.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> fix power supply control for current loop fix sensor preset submenu add luma mode support for DisplayBus 				
Release 8.13	v8.13	8.5.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> fix RNG display handlers refactoring fix alternation mode for display with multiple sections 				
Release 8.12	v8.12	8.5.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> pio update project refactoring - deleted PRE-RELEASE variant DisplayBus connected to the settingsDispBus bugfix for sensor_task different DAC PS calculation method NMS parameters - support for common code in the case of grouped parameters 				
Release 8.11	v8.11	28.3.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> added parameter to HW generation identification 				

Release 8.10	v8.10	28.3.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> • initial support for DisplayBus • grouped get/set functions for internal parameters • proper handling of NTP KoD • auto discovery in DisplayBus • support for second VDisp on display PCBs r5.x 				
Release 8.09	v8.09	23.2.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> • fixed IF485 and Supervised RS485 synchronization • RS485 driver • initial support for DisplayBus protocol • WiFi refactoring • support for ControlBoard r2.x and display PCBs r5.x • brightness controll via PWM on LineModule input • option to show dashes in case of missing synchronization • simplify analog converter initialization • project and memory optimization 				
Release 8.08	v8.08	3.2.2025	Richard Kubiček	Released
<ul style="list-style-type: none"> • support for RS485 synchronization by protocol IF482 and Supervised RS485 • memory optimization 				
Release 8.07	v8.07	17.12.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • support for monitoring values read from sensors via SNMP • support for set sensors parameters via SNMP 				
Release 8.06	v8.06	25.11.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • update web page build for NCCW • fix behavior of alarm test_not_passed • fix behavior of controlling other then first display sections by remote controller 				
Release 8.05	v8.05	4.11.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • disable LWIP_IPV6_SCOPES due to zones setting on the link local address • fix data class for 0x1006 on the web: dns server address to Address • fix SNMP v2c traps format and OIDs • SNMP: allow to use write community string for reading 				
Release 8.04	v8.04	24.10.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • fix rendering for DSC (ECO-M-DSC) • multilingual web support (English, Spanish and Czech versions) 				
Release 8.03	v8.03	22.10.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • support for multiple displays - ability to render different information on other displays • fix settings for WiFi authentication PEAP/LEAP • NCCW project update • change timing limits for DCF evaluation 				
Release 8.02	v8.02	4.9.2024	Richard Kubiček	Released
<ul style="list-style-type: none"> • improvement support of the BCD display driver • ability to select HTTP/HTTPS mode of web server in the menu 				

Release 8.01	v8.01	13.8.2024	Richard Kubíček	Released
<ul style="list-style-type: none"> • fix WifiSupportedSecurityType parameter • remove web from the code and load it from the external flash memory 				
Release 8.00	v8.00	19.7.2024	Richard Kubíček	Released
<ul style="list-style-type: none"> • WiFi/WiFi5 support • shared parameters via Ethernet and RS485 support • improvement method of firmware update (possibility to move web server to the external flash) • line detector refactoring • light sensor correction in the system menu • fix temperature sensor evaluating after startup 				
Release 7.19	v7.19	30.4.2024	Richard Kubíček	Released
<ul style="list-style-type: none"> • major fixes in the communication between tasks 				
Release 7.18	v7.18	18.4.2024	Petr Bureš	Released
<ul style="list-style-type: none"> • fix restart network services for reinit NTP process 				
Release 7.17	v7.17	29.2.2024	Richard Kubíček	Released
<ul style="list-style-type: none"> • improve GPS reset method • ability to select which HW alarms are reported to the general alarm • RTC initialization improvement • watchdog timeout increased • prohibited RTC operation when oscillator not running • PHY error reporting 				
Release 7.16	v7.16	13.2.2024	Richard Kubíček	Released
<ul style="list-style-type: none"> • DCF-IMP support for LGC variant • support for GPS option • hide some menus in system submenu based on hardware capabilities • hw alarm for internal temperature sensor • hw alarm for line module • fix some snmp oid • factory reset by push-buttons • ethernet sensors support 				
Release 7.15	v7.15	19.11.2023	Richard Kubíček	Released
<ul style="list-style-type: none"> • fixes for ability to manufacture LGC variants 				
Release 7.14	v7.14	15.11.2023	Richard Kubíček	Released
<ul style="list-style-type: none"> • debug screen for synchronization lines (MBL, CODE, IRIG, IMP) • power save mode 				
Release 7.13	v7.13	2.11.2023	Richard Kubíček	Not released
<ul style="list-style-type: none"> • external RTC PCF2129 support • impulse line support 				
Release 7.12	v7.12	23.10.2023	Richard Kubíček	Released
<ul style="list-style-type: none"> • IRIG, MOBALine timezone support • same behavior for factory reset from menu as when it is invoked via NMS • hw error flag array 				

Release 7.11	v7.11	14.10.2023	Richard Kubiček	Not released
<ul style="list-style-type: none"> • SNMPv3 support • HTTPS support • fix mbnscNetIPv4DHCPMode parameter • support of the SEIKO brand in web interface • allow to upload generic files via tftp • NMS over serial support • NMS file transfer support • line module processing in the task instead of ISR routine • fix setting time/date via menu 				
Release 7.08	v7.08	31.3.2023	Petr Bureš	Not released
<ul style="list-style-type: none"> • FIX setting a special mobatime IP address for multicast mode 				
Release 7.07	v7.07	24.3.2023	Petr Bureš	Not released
<ul style="list-style-type: none"> • FIX bug with the file size of settings - when saving the shorter file • FIX display time in device time zone on the website • FIX add support of SNMP MIB2 variables • add support of USB interface for firmware update • add support of TP LAN sensor • for display calendar week added marking 'c' on second digit • LGC: add support for Mobaline synchronization • LGC: add support for Dcf-passive synchronization 				
Release 7.06	v7.06	7.2.2023	Richard Kubiček	Released
<ul style="list-style-type: none"> • relay support (only for stopwatch) • BRB10 • DSC displays • switch off synthetic PoE load 				
Release 7.05	v7.05	13.1.2023	Richard Kubiček	Released
<ul style="list-style-type: none"> • fix time zone handling • display calibration value in the SYST menu • hide RS485 parameters in menu for devices without RS485 • fix some texts in web interface • fix apply of custom DNS address • fix SNMP re-init • disable state LED for some alarms • support for display week number • fix some NMS parameters for devices without WiFi • display dashes when device time is not valid 				
Release 7.04	v7.04	15.11.2022	Richard Kubiček	Released
Release 7.03	v7.03	26.10.2022	Richard Kubiček	Not released
Release 7.02	v7.02	13.10.2022	Richard Kubiček	Not released
Release 7.00	v7.00	6.8.2022	Richard Kubiček	Not released
<ul style="list-style-type: none"> • used in the ECO-DC samples 00:16:91:fd:22:79 & 00:16:91:fd:22:7a 				