

Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 2614380000 UR20-FBC-PB-DP-V2

Firmware Updating Information

An update of the firmware can be done via the embedded web server. A description of the firmware update can be found in the u-remote web server manual on the Weidmüller website: www.weidmueller.com.

Version: 01.18.00	Hardware Version: 01.xx.xx	Release Date: March, 2026
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Information

- Requires u-mation configurator >= 2.0.0

New Features

- WebApp: Functional extensions according to IEC 62443 and UR-E27
 - Account and User management setup is now mandatory for initial setup
 - Authorization enforcement requires a login per default
 - HTTPS communication protocol is now default
 - Roll based access control (RBAC)
 - Session timeout handling (default 15 min)
 - Audit logging capability with data export feature
 - New welcome screen with customizable system use notification
- WebApp: Simultaneous use of u-mation configurator possible
- Added reset operation after deactivating option handling

Known Issues

- After a downgrade to previous firmware versions, a power cycle for at least 30 seconds is required to make future firmware updates possible.

Version: 01.16.00	Hardware Version: 01.xx.xx	Release Date: July, 2025
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New Supported Modules

- 2819690000 - UR20-4COM-IO-LINK-V2
- 3096630000 - SAI-AU-M8-SB-8DO-2A-V2
- 3096500000 - SAI-AU-M8-SB-8DI-V2
- 3096510000 - SAI-AU-M8-SB-8DIO-V2
- 3096490000 - SAI-AU-M12-SB-8DO-2A-V2
- 3096470000 - SAI-AU-M12-SB-8DI-V2
- 3096480000 - SAI-AU-M12-SB-8DIO-V2

Version: 01.15.00	Hardware Version: 01.xx.xx	Release Date: February, 2025
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New Features

- Improved hot swap properties - requires UR20-AUX-VSYS as last module on the station

Version: 01.14.00	Hardware Version: 01.xx.xx	Release Date: October, 2024
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New Supported Modules

- 2920830000 - UR20-3EM-400V-AC-CT1A
- 2920840000 - UR20-3EM-400V-AC-CT5A
- 2920850000 - UR20-3EM-400V-AC-RC
- 2920860000 - UR20-3EM-400V-AC-333MV
- 2489840000 - UR20-1COM-CAN

Bug Fixes

- Input process data set to “0” for applications with power feed modules in case the module is powered off
- WebApp: Fixed display of substitute values for UR20-2PWM-I-2.5A-2DI-P

Version: 01.13.00**Hardware Version: 02.xx.xx****Release Date: November, 2023**

New Features

- UR20-4DI-2W-230V-AC is available as follow up module in the hardware configuration

New Supported Modules

- 2489840000 - UR20-1COM-CANOPEN
- 2828350000 - UR20-4AI-I-HART-ISO-16

Version: 01.12.00**Hardware Version: 02.xx.xx****Release Date: August, 2022**

New Supported Modules

- 2697910000 - UR20-2PWM-I-2.5A-2DI-P

Version: 01.11.00**Hardware Version: 02.xx.xx****Release Date: December, 2021**

New Features

- After starting web server's Force Mode, force state of DOs can directly be set to 'off' (previously only 'on' was available)
- New file manager for import and export of multiple files

Bug Fixes

- Fixed that analogue output values could become 0 when maximum value is forced via webserver
- Fixed that the process data exchange is interrupted for a short moment when the coupler parameter option handling is disabled and a data array for the station configuration is still written
- Improvements for option handling

New Supported Modules

- 2816740000 - UR20-1COM-232-485-422-V2

Caution

- This firmware requires “u-mation Device Configurator” ≥ version 1.3.1

Version: 01.10.00**Hardware Version: 02.xx.xx****Release Date: February, 2021**

New Features

- Support of new version of UR20-2AI-SG-24-DIAG with MX file 001051.110 which is calibrated for an extended range of sensor sensitivity up to 960mV/V. CAUTION: Modules with MX file versions below 001501.110 are calibrated for a maximum sensor sensitivity range of 30mV/V and will return no valid measurement values if used outside this range!

New Supported Modules

- 2617520000 - UR20-4AI-I-HART-16-DIAG
- 2705620000 - UR20-2AI-UI-16
- 2566090000 - UR20-2AI-UI-16-DIAG
- 2705630000 - UR20-2AO-UI-16
- 2566100000 - UR20-2AO-UI-16-DIAG

Version: 01.09.00**Hardware Version: 02.xx.xx****Release Date: March, 2020**

New Features

- IO-Link configuration file upload is possible via acyclic service functions of the PLC

Bug Fixes

- Coupler now resends module parameters to UR20-1SM-50W-6DI2DO-P after power cycle of the module's external power supply
- "Retrieve calibration sheet" button in web server view of UR20-2AI-SG-24-DIAG works again

New Supported Modules

- 2566960000 - UR20-4AI-UI-ISO-16-DIAG
- 2566970000 - UR20-2AO-UI-ISO-16-DIAG

Version: 01.08.00**Hardware Version: 02.xx.xx****Release Date: July, 2019**

New Features

- Support of acyclic services for UR20-4COM-IO-LINK, e.g. for download of configuration via PLC
- Coupler accepts download of IO-Link configuration file during active fieldbus connection
- EULA confirmation on first start of web server

Bug Fixes

- Fixed that IE11 sometimes doesn't update web server after factory reset

Known Issues

- "Retrieve calibration sheet" button in web server view of UR20-2AI-SG-24-DIAG has no effect
- Web server sometimes freezes after downgrade from firmware 01.09.00 until browser cache gets cleared

Version: 01.07.00**Hardware Version: 02.xx.xx****Release Date: April, 2019**

- First released version