

Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 1334940000 UR20-FBC-PL

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

Bug Fixes

- Fixed implausible diagnostic alarm information in case module generates a lot of diagnose messages
- WebApp: Fixed missing message for coupler restart after firmware multi-update

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

Bug Fixes

- Fixed Object 0x2008 and 0x2020 usage for UR20-3EM-400V-AC-*
- Fixed parameterization of new plugged modules after coupler restart

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

- Fixed in web application option to restore default parameters
- Option handling optimized
- 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: 01.xx.xx	Release Date: June, 2024
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New Features

- Add new Object 0x2008 (Module List Live)
- Add new Object 0x2020 (Module Status Unpacked)

Bug Fixes

- Fixed issue with Module Status when hot-swapping wrong module
- Configuration check (Object 0x2005) ignores entries with value 0

New Supported Modules

- 3036960000 - UR20-2PWM-PN-0.5A-V2
- 3036950000 - UR20-2PWM-PN-2A-V2

Version: 01.12.00	Hardware Version: 01.xx.xx	Release Date: November, 2023
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Attention: Please perform a Factory Reset after updating to FW 01.12.00

New Features

- Option handling
- Ring buffer for "diagnosis" and "process alarms"

Bug Fixes

- Fixed issue that the "module status" did not show an error for "incorrect module"

New Supported Modules

- 2489840000 - UR20-1COM-CANOPEN

Version: 01.10.00	Hardware Version: 01.xx.xx	Release Date: August, 2022
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New Supported Modules

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

Version: 01.09.01	Hardware Version: 01.xx.xx	Release Date: March, 2022
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Bug Fixes

- Fixed issue that the module status and module diagnostics did not show present errors after power cycle of the coupler when the error originally occurred before the power cycle

Version: 01.09.00	Hardware Version: 01.xx.xx	Release Date: March, 2022
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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

New Supported Modules

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

Caution

- This firmware requires "u-mation Device Configurator" ≥ version 1.3.1

Version: 01.08.00	Hardware Version: 01.xx.xx	Release Date: March, 2020
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New Features

- Web server now offers to save and load a "Customisation file" which contains station parameters and tag names in one file
- Support of IO-LINK Device Configurator file upload via acyclic services

New Supported Modules

2566960000 - UR20-4AI-UI-ISO-16-DIAG

2566970000 - UR20-2AO-UI-ISO-16-DIAG

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

Known Issues

Web server sometimes freezes after downgrade from firmware 02.09.00 until browser cache gets cleared

Version: 01.07.00	Hardware Version: 01.xx.xx	Release Date: July, 2019
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New Features

- Support of acyclic services for UR20-4COM-IO-LINK, e.g. for download of configuration via PLC
- Web server accepts download of IO-Link configuration file during active fieldbus connection
- EULA confirmation on first start of web server
- New button in web server "Module parameters" replaces old parameter "Save module parameters"

Bug Fixes

- Fixed that IE11 sometimes doesn't update web server after factory reset
- Minor fixes in XDD files

Known Issues

- "Retrieve calibration sheet" button in web server view of UR20-2AI-SG-24-DIAG has no effect
- Warning messages during import of XDD files in Automation Studio v4.5

Version: 01.05.00	Hardware Version: 01.xx.xx	Release Date: July, 2018
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New Supported Modules

- 2489830000 - UR20-1SM-50W-6DI2DO-P
- 2456530000 - UR20-8DIO-P-3W-DIAG
- 2555940000 - UR20-8AI-RTD-DIAG-2W

New Features

- Service file and configuration file names now contain coupler type and serial number

Bug Fixes

- Fixed that IE freezes after applying out of range parameter values occasionally

Version: 01.04.00	Hardware Version: 01.xx.xx	Release Date: April, 2018
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Information

- Couplers with hardware version \geq 01.05.00 can't get downgraded below firmware version 01.04.00

Version: 01.03.00	Hardware Version: 01.xx.xx	Release Date: December, 2017
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New Features

- Reset button appears automatically when changes in parameter settings require a restart to take effect
- Added display of slot numbers to list of compatible modules after selecting a firmware file in multi-update view
- Added password policy and weak password check - default username and password will remain the same
- New languages for Web Server available for download. Korean, French, Spanish, Portuguese and Italian
- Added HTTPS support and new coupler parameter 'HTTPS settings'
- Attention: To use this function please update the coupler with the additional firmware file:
- FB-PL-FSBL-0007760-01_02_00-1.bsc

Bug Fixes

- Fixed issue that live module unplug/replug sometimes corrupts I/O mapping
- Fixed issue that re-installation attempt of language files sometimes causes an error message

New Supported Modules

- 2457250000 - UR20-4DO-ISO-4A
- 2457240000 - UR20-8DI-ISO-2W

Version: 01.01.01	Hardware Version: 01.xx.xx	Release Date: May, 2017
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New Features

- Additional module status diagnostic

Bug Fixes

- Improved behaviour of BF LED

Automation Studio V4.2.6.110 new features/ bug fixing:

- Timestamp module with process data over 32Byte are supported
- Import of the modular XDD in one step

Web Server:

- Improved naming of parameter "Restore module parameters" and its option
- Tooltips for Coupler LEDs
- Improved arrangement of module parameters and general information
- Display of raw process data next to converted physical value

New Supported Modules

- 2456540000 - UR20-4AI-RTD-HP-DIAG
- 2453880000 - UR20-4AO-UI-16-M
- 2453870000 - UR20-4AO-UI-16-M-DIAG
- 2007420000 - UR20-3EM-230V-AC
- All time stamp modules

Version: 01.00.00

Hardware Version: 01.xx.xx

Release Date: October, 2016

- First released version

Not supported modules or modules with limited functions:

- Time stamp modules only with limited process data
- Safety modules