

Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 1334900000 UR20-FBC-DN

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 01.14.00 Hardware Version 01.xx.xx Release date: July, 2025

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 01.13.00 Hardware Version 01.xx.xx Release date: February, 2025

New features:

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

Version 01.12.00 Hardware Version 01.xx.xx Release date: October, 2024

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:

- Coupler doesn't reboot when the service "Set Attribute All" for class 0x67 "Module parameter" is used
- 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 01.11.00 Hardware Version 01.xx.xx Release date: November, 2023

New supported modules:

- 2489840000 - UR20-1COM-CANOPEN

Version 01.10.00 Hardware Version 01.xx.xx Release date: August, 2022

New supported modules:

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

Version 01.09.00 Hardware Version 01.xx.xx Release date: February, 2022

New features:

- Web application now displays Object Index offsets for any given I/O and parameter data object
- 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 in web application

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

New supported modules:

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

New features:

- Support of IO-LINK Device Configurator file upload via acyclic services
- Coupler now accepts the restoring or importing of module parameters after new modules have been added to the end of the station, as long as the order in the area of the modules that originally existed when the parameters were saved has not changed
- Web server now offers to save and load a "Customisation file" which contains station parameters and tag names in one file

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 issue:

- Web server sometimes freezes after downgrade from firmware 01.08.00 until browser cache gets cleared

Version 01.07.00 Hardware Version 01.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
- 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

Known issue:

- "Retrieve calibration sheet" button in web server view of UR20-2AI-SG-24-DIAG has no effect

Version 01.06.00 Hardware Version 01.xx.xx Release date: March, 2019

New supported modules:

- 1315740000 - UR20-4COM-IO-LINK. (requires Module Firmware version 01.02.00 or above)

Version 01.05.00 Hardware Version 01.xx.xx Release date: July, 2018

New supported modules:

- 2489830000 - UR20-1SM-50W-6DI2DO-P
- 2456530000 - UR20-8DIO-P-3W-DIAG
- 2544660000 - UR20-4AI-UI-DIF-32-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

Information:

- Couplers with hardware version \geq 01.08.00 can't get downgraded below firmware version 01.04.00

Version 01.03.00 Release date: December 2017

For couplers with a firmware version below 01.00.02 please see update information of version 01.00.02!

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

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 01.02.01**Release date: May 17, 2017**

For couplers with a firmware version below 01.00.02 please see update information of version 01.00.02!

New features:

- New data object 0x64/0x01/0x76 Unacknowledged Diag Status - a bit for each slot is set, if the respective module has one or more unacknowledged diagnoses

Web Application:

- 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

Version 01.01.00**Release date: October 04, 2016**

For couplers with a firmware version below 01.00.02 please see update information of version 01.00.02!

New features:

- Additional coupler parameter "Output behaviour on idle" (fieldbus status occurs e.g. when an Allen Bradley PLC gets set to "program mode")

Bug Fixes:

- Web application performance increased
- Wording of UR20-2FCNT-100 in web server now matches with manual

New supported modules:

- 1990070000 - UR20-2AI-SG-DIAG

Version 01.00.05**Release date: June 06, 2016**

For couplers with a firmware version below 01.00.02 please see update information of version 01.00.02!

Bug Fixes:

- UR20-4DO-PN-2A : switching mode: "n-switching" or "p-switching" instead of "0" or "1" in the web application
- UR20-2FCNT-100 : value range for current period and present period is corrected
- UR20-4AI-TC-DIAG: value range for temperature units F and K is corrected
- Diagnosis after power up

New features:

- The configuration file of the coupler can be imported and exported

New supported modules:

- 2001670000 - UR20-4AI-R-HS-16-DIAG
- 1993880000 - UR20-4AI-UI-DIF-16-DIAG
- 2007420000 - UR20-3EM-230V-AC
- 1315400000 - UR20-16DI-N-PLC-INT
- 1315450000 - UR20-16DO-N-PLC-INT

Version 01.00.02**Release date: February 02, 2016****Attention:**

- Coupler firmware versions \leq 01.00.02 need to be updated in two steps.
(See separate PDF document: "Application Note Firmwareupdate UR20 coupler").

Bug Fixes:

- Presentation of the SSI module parameters optimized.
- Startup behavior from the process data fixed.
- Parameters resetting to factory defaults is corrected.
- Output behavior after leaving the Force mode is resolved.
- Corrected behavior of module status LED in WEB-Server for UR20-PF-O-1DI-SIL, UR20-PF-O-2DI-SIL and UR20-PF-O-2DI-SIL-DELAY

New supported module:

- 1315440000 UR20-16DO-N
- 1315750000 UR20-1COM-232-485-422
- 2007430000 UR20-1COM-SAI-PRO
- All SAI-AU Mx SB Modules (IP 67)

Version 01.00.01**Release date: September 07, 2015**

- First released version

New features:

- New web application – Note: It's necessary to update the language file, if the coupler has an older FW-version $\leq 01.00.01$
- Default password for the web server