

Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 1334880000 UR20-FBC-PN-IRT

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 01.08.00 **Hardware Version 01.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:

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

Kommentiert [BA1]: 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

Bug Fixes:

- Fixed that IE11 sometimes doesn't update web server after factory reset
- Fixed that IRT mode between UR20-FBC-PN-IRT coupler and UR20-FBC-PN-IRT-V2 coupler did not work

Known issue:

- "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 01.08.00 until browser cache gets cleared

Version 01.06.00 **Hardware Version 01.xx.xx** **Release date: July, 2018**

New supported modules:

- UR20-1SM-50W-6DI2DO-P
- UR20-8DIO-P-3W-DIAG
- UR20-4AI-UI-DIF-32-DIAG
- UR20-8AI-RTD-DIAG-2W

New features:

- Standalone configuration tool for IO-Link module is available from u-remote download site
- Service file and configuration file names now contain coupler type and serial number
- Added "Option handling status" to coupler's General Information section in Web Server

Bug Fixes:

- Delivery settings now are similar to factory settings without Station Name set
- Fixed that IE freezes after applying out of range parameter values occasionally

Version 01.05.00 **Hardware Version 01.xx.xx** **Release date: April, 2018**

Information:

- Couplers with hardware version ≥ 01.06.00 can't get downgraded below firmware version 01.05.00

Version 01.04.00 **Release date: December 2017**

For couplers with a firmware version below 01.00.35 please see update information of version 01.00.35!

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 new flags to status word: bit 4 'Port 1 Link Up', bit 5 'Port 2 Link Up', bit 8 'MRP enabled', bit 9 'MRP role'
- Added GSDML version 2.2 to support outdated configuration software (e.g. for Simatic Manager versions below 5.4)

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
- 2464590000 - UR20-8DI-PN-FSPS-V2
- 2464570000 - UR20-4DI-4DO-PN-FSPS-V2

Version 01.03.01

Release date: May 17, 2017

For couplers with a firmware version below 01.00.35 please see update information of version 01.00.35!

New Feature:

- Improved updating procedure
- No device name in coupler as factory default setting

Web Server:

- 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
- 1315740000 - UR20-4COM-IO-LINK

Version 01.01.00

Release date: October 04, 2016

New features:

- Option handling: By using this parameter it is possible to configure the UR20 station in the PLC diverging from the real station. More information about this feature in chapter 5 of the u-remote manual

Bug Fixes:

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

New supported modules:

- 1990070000 - UR20-2AI-SG-DIAG

Version 01.00.38

Release date: June 06, 2016

Attention:

- Coupler with firmware versions < 01.00.35:
- The firmware update to 01.00.35 is mandatory before an update to a higher firmware is possible.

New features:

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

Bug Fixes:

- Web server accepts 0.0.0.0 as gateway address
- UR20-2FCNT-100 : Fixed the wrong value range for current period and present period
- UR20-4AI-TC-DIAG: Fixed the value range error for temperature units F and K
- UR20-4DO-PN-2A : showing the switching mode: "n-switching" or "p-switching" instead of "0" or "1" in the web server

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 01.00.35**Release date: February 02, 2016****Attention:**

- Coupler firmware versions \leq 01.00.35 need to be updated in two steps.
(See separate PDF document: "Application Note Firmwareupdate UR20 coupler").

Bug Fixes:

- Firmware update of more than 32 modules now possible
- Fixed error of 2FCNT module in the GSDML file
- Corrected default value of diagnostic alarms in the web server
- LED display of timestamp modules in the web corrected
- Fixed issue with simultaneous change of the IP address and Gateway address via web server
- 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
- Fixed access on port 6272

New supported modules:

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

Version 01.00.33**Release date: September 07, 2015****New features:**

- New web application – Note: It's necessary to update the language file, if the coupler has an older FW-version \leq 01.00.33
- Default password for the web server
- ProfiSafe extensions
- Webserver by default accessible via Ethernet

New supported module:

- 1335060000 UR20-4DI-4DO-PN-FSPS
- 1335070000 UR20-8DI-PN-FSPS

Version 01.00.29**Release date: October 21, 2014****New supported module:**

- 1508080000 UR20-2FCNT-100

Version 01.00.26**Release date: March 30, 2014****Bug Fixes:**

- Size process data

Version 01.00.25**Release date: March 20, 2014****New features:**

- New parameter Intel or Motorola data format

Bug Fixes:

- Siemens S7-400
- Improvement in the fail-safe value behavior at hot swap
- Support the default language of the PC in the web server

Version 01.00.24**Release date: November 25, 2013**

- First released version