

## Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 1334930000 UR20-FBC-MOD

### 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](http://www.weidmueller.com)

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### **Version 02.05.00      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:**

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

#### **Bug Fixes:**

- Fixed that Function Code 22 (Mask write register) modifies only high byte of the specified register
- Fixed that IE freezes after applying out of range parameter values occasionally

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### **Version 02.04.00      Hardware Version 01.xx.xx      Release date: April, 2018**

#### **Information:**

- Couplers with hardware version  $\geq$  01.22.00 can't get downgraded below firmware version 02.04.00

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### **Version 02.03.00      Release date: December 2017**

For couplers with a firmware version below 02.00.08 please see update information of version 02.00.08!

#### **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 register 0x100E 'Port Link Status' which has two flags to show which port has a link

#### **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

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### **Version 02.02.01      Release date: May 17, 2017**

For couplers with a firmware version below 02.00.08 please see update information of version 02.00.08!

#### **New features:**

- Access of an illegal register address is causing a diagnose
- Added new register range with coupler serial number
- Added new register with 16 Bit "Life Signal" counter with 1ms tick

#### **Bug Fixes:**

- Configuring an additional TCP Port doesn't require power cycle anymore
- Reconnection via additional TCP port is possible now

#### **Web Application:**

- Improved naming of parameter "Restore module parameters" and its options
- 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 02.01.00****Release date: October 04, 2016**

For couplers with a firmware version below 02.00.08 please see update information of version 02.00.08!

**New features:**

- Edit IP settings via fieldbus
- Module black list detection - coupler rejects incompatible modules (UR20-xxx-FSPS, UR20-xxx-FSOE)

**Bug Fixes:**

- Web application performance increased
- Optimized wording of options of coupler parameter "Save module parameter"
- Status of "Connected to fieldbus" in web server now gets updated when Modbus watchdog is triggered
- Wording of UR20-2FCNT-100 in web server now matches with manual

**New supported modules:**

- 1990070000 - UR20-2AI-SG-DIAG

**Version 02.00.13****Release date: June 06, 2016****Attention:**

- Coupler with firmware versions < 02.00.08:
- The firmware update to 02.00.08 is mandatory before an update to a higher firmware is possible.

**Bug Fixes:**

- Maximum number of possible Modbus clients is increased from 8 to 64
- Plugging a physical link does no longer reset Modbus watchdog
- Web application accepts 0.0.0.0 as gateway address
- UR20-4DO-PN-2A : showing the 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 correct implemented

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

- Coupler firmware versions ≤ 02.00.08 need to be updated in two steps.  
(See separate PDF document: "Application Note Firmwareupdate UR20 coupler").

**Bug Fixes:**

- Modbus connection timeout handling idle times above 10 minutes
- 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
- Display of an error message during the coupler reset in the Web-Server
- Force Mode of the Web-Server improved

**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 02.00.04****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 ≤ 02.00.04
- Default password for the web server

- Web server by default accessible via Ethernet
- parameters via file transferable to other coupler
- problem with Schneider PLC fixed with quick ARP requests

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**Version 01.00.37****Release date: October 21, 2014****New features:**

- New parameter "static ip after DHCP" which is the default setting for start up now
- Link u-remote inputs to holding registers

**New supported module:**

- 1508080000 UR20-2FCNT-100

**Bug Fixes:**

- Trigger of the watch now works correct
- Parameter setting via Webserver of 2CNT Modules now works

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**Version 01.00.34****Release date: March 20, 2014****New features:**

- New parameter Intel or Motorola data format

**Bug Fixes:**

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

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**Version 01.00.33****Release date: November 25, 2013**

- First released version