

## Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 2659700000 UR20-FBC-MOD-TCP-ECO

### 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)

**Version 01.05.00      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 01.04.00      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

#### **New features:**

- New parameter *Broadcast Frame Limit* (0x1160-0x1161)

#### **Bug Fixes:**

- Fixed byte order of *Coupler Serial Number* (0x1020-0x1027) and *Coupler Identifier* (0x1000-0x100B)
- Prohibit write "0" in register *DHCP Timeout* (0x114A)
- 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
- WebApp: Fixed address display in *Register Description* file export
- WebApp: Fixed register address display for coupler parameters
- Power cycle resets connection state when *Modbus Connection Timeout* is set to "0" and a connection was already established

**Version 01.03.00      Hardware Version 01.xx.xx      Release date: November, 2023**

#### **Bug Fixes:**

- Fixed that Modbus messages sometimes get sent with a broadcast MAC address
- Corrected TCP socket release if connection is closed by the Modbus client
- Modbus watchdog reset procedure works as documented

**Version 01.02.00      Hardware Version 01.xx.xx      Release date: August 2022**

#### **New supported modules:**

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

#### **Known issues:**

- After a re-established Ethernet link while the Modbus watchdog expired, write access to 0x1120 "Modbus watchdog, predefined time" doesn't reset the watchdog

**Version 01.01.02      Hardware Version 01.xx.xx      Release date: March 2022**

#### **Bug Fixes:**

- Fixed that process data of UR20-xDI-P-TS modules sometimes not getting refreshed

**Version 01.01.01      Hardware Version 01.xx.xx      Release date: February 2022**

#### **Bug Fixes:**

- Edited module parameters "Process data length input" and "Process data length output" of the UR20-4COM-IO-LINK can now be saved persistently and the values are displayed correctly in the web server

**Version 01.01.00      Hardware Version 01.xx.xx      Release date: October 2021**

#### **New supported modules:**

- 2826800000 - UR20-1COM-232-485-422-V2

**New features:**

- Web application now displays register 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 in some scenarios of I/O configuration errors the Status Word Bit 6 remained 'false'
- A "Modbus connection timeout" event while the "Modbus watchdog" was running, now will require setting the watchdog reset bit after re-connection
- A Modbus write access to registers 0x1124 – 0x1125 (Change IP address) will now lead to a Modbus response before the coupler closes the connection and takes over the change
- Fixed that analogue output values could become 0 when maximum value is forced via webserver

**Caution:**

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

**Known issues:**

- After a power cycle, edited module parameters "Process data length input" and "Process data length output" of the UR204COMIO-LINK are set to default values (18/18) regardless of whether edited module parameters have been persistently saved, although the web server continues to display edited values

**Version 01.00.00****Hardware Version 01.xx.xx****Release date: February, 2020**

- First released version