

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.

Version: 01.08.00	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
- WebApp: Added parameter to deactivate SNMP service, deactivated by default
- Changed default value of parameter "Writing access in multi-client operation" to "For client with first connection"

Bug Fixes

- Fixed new setting of parameter "Additional TCP Port" does not close connection of previous setting
- WebApp: Fixed missing message for coupler restart after firmware multi-update
- Fixed parameter "Watchdog predefined time" accept value "0xFFFF" (updated in user manual)

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: 01.06.00	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: 01.05.00	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

Version: 01.04.00	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

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
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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
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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
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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
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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