

Firmware change-log of new features and bug fixes of the u-remote field bus coupler: 1334910000 UR20-FBC-EC

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 01.07.00

Hardware Version 02.xx.xx

Release date: April, 2018

Information:

- Couplers with hardware version \geq 02.04.00 can't get downgraded below firmware version 01.07.00

Bug Fixes:

- EC station alias now stored persistently

Version 01.06.00 Caution! 2 different versions available depending on HW Release date: December 2017

- FB-EC-FULL-0007674-01_06_00-1.bsc for new hardware version 02.xx.xx

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 HTTPS support and new coupler parameter 'HTTPS settings'
- Attention: To use this function please update the coupler with the additional firmware file:
- FB-EC-FSBL-0007884-01_02_00-0.bsc
- Added new CAN object 0x4010 in which all Software Item IDs of the coupler are listed

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
- 2464600000 - UR20-8DI-PN-FSOE-V2 (FSOE V1 will not be longer supported)
- 2464580000 - UR20-4DI-4DO-PN-FSOE-V2 (FSOE V1 will not be longer supported)

Known issues:

- Mixed usage of FSOE V1 and FSOE V2 modules in the same project is not possible
- FB-EC-FULL-0003965-01_06_00-2.bsc for hardware version 01.xx.xx

For couplers with a firmware version below 01.00.45 please see update information of version 01.00.45!

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- Added display of slot numbers to list of compatible modules after selecting a firmware file in multi-update view
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Version 01.05.01 - Caution! 2 different versions available depending on hardware version May 17, 2017

- FB-EC-FULL-0007674-01_05_01-1.bsc for new hardware version 02.xx.xx

New features:

- Coupler parameter "Slot counting" to select if slot number enumeration starts with 0 or 1
- Coupler parameter "I/O data of station synchronous" - reduces backplane bus related time discrepancies on larger stations
- FB-EC-FULL-0003965-01_05_01-2.bsc for hardware version 01.xx.xx

For couplers with a firmware version below 01.00.45 please see update information of version 01.00.45!

Known issues:

- Slot number enumeration starts with 0 (ETG recommends starting with 1)
- Header of diagnostic message is in Motorola format (big endian - ETG recommends little endian)
- Write access to CAN objects 0x8nn0:0x06/0x08/0x0A/0x0B needs to be done in Motorola format

Bug Fixes:

- Fixed issue with outputs sometimes freeze when the IN port goes down while operated on a redundancy ring

Web Application:

- 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 01.03.00**Release date: December 20, 2016**

For couplers with a firmware version below 01.00.45 please see update information of version 01.00.45!

Known issues:

- Slot number enumeration starts with 0 (ETG recommends starting with 1)
- Header of diagnostic message is in Motorola format (big endian - ETG recommends little endian)

New features:

- Static node address can be set via engineering software
- Module black list detection - coupler rejects incompatible modules (UR20-xxx-FSPS)

Bug Fixes:

- Web application performance increased
- Enlarged supported data size of CoE 0x8nn0/0x9nn0:0x02 "Type string", longer text won't be cut anymore
- Wording of UR20-2FCNT-200 in web server and ESI file now matches with manual

New supported modules:

- 1990070000 - UR20-2AI-SG-DIAG

Version 01.00.49**Release date: June 06, 2016**

For couplers with a firmware version below 01.00.45 please see update information of version 01.00.45!

New features:

- EoE IP address is shown in web application
- It is possible to update firmware in pre-operational state
- It is possible to update firmware of modules via EoE
- MAC addresses of USB interface is shown in web application
- New function to execute "reset to factory settings" via the field bus

Bug Fixes:

- Error in byte order for diagnose code E001 fixed
- Firmware update via EoE can be used for all modules with firmware files

- Diagnostic text ID fixed
- Diagnostic and process alarm are working in TwinCAT
- UR20-4DI-4DO-PN-FSOE: Wrong diagnosis messages in TwinCAT fixed
- EoE works in case of going back to "init" state
- After disconnecting the coupler from field bus it goes in pre-operational state
- Input status update in web application after disconnecting field bus
- 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
- 2007420000 - UR20-3EM-230V-AC
- 1315400000 - UR20-16DI-N-PLC-INT
- 1315450000 - UR20-16DO-N-PLC-INT

Version 01.00.45**Release date: February 02, 2016****Attention:**

- Coupler firmware versions \leq 01.00.45 need to be updated in two steps.
(See separate PDF document: "Application Note Firmwareupdate UR20 coupler").

New features:

- New module classes added for "Functional and Safety" in the ESI file.
- New coupler parameter "Force Lock" implemented. With this parameter the force mode can be blocked by the PLC.
- Parameters editing in Operational Mode enabled.

Bug Fixes:

- Fixed the incorrect bit size for the 1SSI and PF-O-SIL 1DI module.
- CAN object 1C32:0C fixed.
- Incorrect parameter name for the 4DI 4DO PN FSoE module fixed (ESI file change).
- Firmware update via FoE is fixed.
- 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 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 01.00.40**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 01.00.40
- Default password for the web server
- FSOE extensions
- Web server by default accessible via Ethernet

New supported module:

- 1529780000 UR20-4DI-4DO-PN-FSOE
- 1529800000 UR20-8DI-PN-FSOE

Version 01.00.37**Release date: May 22, 2015****New supported module:**

- 1315390000 UR20-16DI-N
- 1315400000 UR20-16DI-N-PLC-INT
- 1315580000 UR20-1CNT-500

- 1508090000 UR20-1SSI
- 1550070000 UR20-4DI-2W-230V-AC
- 1315350000 UR20-4DI-N
- 1315410000 UR20-4DO-N
- 1315420000 UR20-4DO-N-2A
- 1315370000 UR20-8DI-N-3W
- 1315430000 UR20-8DO-N
- 1315220000 UR20-4DO-P
- 1394400000 UR20-8DI-P-3W

New features:

- Improved comparison between target and actual set-up of a station
- Better EtherCAT compatibility

Bug Fixes:

- Parameters in the wrong sequence for 8AI-I-16-DIAG-HD

Version 01.00.36**Release date: March 20, 2014****New supported module:**

- 1508080000 UR20-2FCNT-100

Bug Fixes:

- Restarts field bus after re-plugging the field bus cable
- "All outputs off" for "Behavior of outputs on field-bus error" now works
- Writing parameters to the PWM-Module causes a coupler reset
- Output data of the last module in the station might be corrupted if it is a 16 or 32-Bit module

Version 01.00.33**Release date: March 20, 2014****New features:**

- Distributed clock
- 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

Version 01.00.32**Release date: November 25, 2013**

- First released version