

ESI files change-log of new features, bug fixes and new supported modules of the u-remote field bus coupler: 1334910000 / 2659690000 - UR20-FBC-EC / UR20-FBC-EC-ECO (all hardware versions)

Version 0072 (UR20-FBC) / 0070 (UR20-IO-Modules) **Release: March 2026**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.07.00 (UR20-FBC-EC) / 02.07.00 (UR20-FBC-EC-ECO)

Bug fixes:

- Fixed coupler parameter "I/O data of station synchronous" can only be set in the "PREOP" state

Version 0071 (UR20-FBC) / 0070 (UR20-IO-Modules) **Release: July 2025**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.05.00 (UR20-FBC-EC) / 02.05.00 (UR20-FBC-EC-ECO)

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 0070 (UR20-FBC) / 0068 (UR20-IO-Modules) **Release: February 2025**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.04.00 (UR20-FBC-EC) / 02.04.00 (UR20-FBC-EC-ECO)

New version (identical to 0068 (UR20-FBC) / 0068 (UR20-IO-Modules))

Version 0068 (UR20-FBC) / 0068 (UR20-IO-Modules) **Release: October 2024**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.03.00 (UR20-FBC-EC) / 02.03.00 (UR20-FBC-EC-ECO)

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
- 2489840000 - UR20-1COM-CAN (only for UR20-FBC-EC)

Version 0067 (UR20-FBC) / 0066 (UR20-IO-Modules) **Release: June 2024**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.02.00 (UR20-FBC-EC) / 02.02.00 (UR20-FBC-EC-ECO)

New supported modules:

- 3036960000 - UR20-2PWM-PN-0.5A-V2
- 3036950000 - UR20-2PWM-PN-2A-V2

Version 0063 (UR20-FBC) / 0063 (UR20-IO-Modules) **Release: November 2023**

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.02.00 (UR20-FBC-EC) / 02.02.00 (UR20-FBC-EC-ECO)

New supported modules:

- 2489840000 - UR20-1COM-CANOPEN for UR20-FBC-EC
- 2828350000 - UR20-4AI-I-HART-ISO-16 for UR20-FBC-EC

Version 0062 (UR20-FBC) / 0062 (UR20-IO-Modules)
Release: August 2022

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.01.00 (UR20-FBC-EC) / 02.01.00 (UR20-FBC-EC-ECO)

New supported modules:

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

Version 0058 (UR20-FBC) / 0058 (UR20-IO-Modules)
Release: December 2021

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 02.00.01 (UR20-FBC-EC) / 02.00.00 (UR20-FBC-EC-ECO)

New supported modules:

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

Bug fixes:

- Corrected wording in Status Word of UR20-FBC-EC-ECO

Version 0054 (UR20-FBC) / 0056 (UR20-IO-Modules)
Release: February 2021

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.12.00 (UR20-FBC-EC) / 01.00.01 (UR20-FBC-EC-ECO)

New feature:

- Support of new version of UR20-2AI-SG-24-DIAG with MX file 001051.110 which is calibrated for an extended range of sensor sensitivity up to 960mV/V. **CAUTION:** Modules with MX file versions below 001501.110 are calibrated for a maximum sensor sensitivity range of 30mV/V and will return no valid measurement values if used outside this range!

New supported modules:

- 2617520000 UR20-4AI-I-HART-16-DIAG (only UR20-FBC-EC)
- 2705620000 UR20-2AI-UI-16
- 2566090000 UR20-2AI-UI-16-DIAG
- 2705630000 UR20-2AO-UI-16
- 2566100000 UR20-2AO-UI-16-DIAG

Version 0052 (UR20-FBC) / 0053 (UR20-IO-Modules)
Release: September 2020
New features:

- Support of new coupler type UR20-FBC-EC-ECO (2659690000)

Version 0050 (UR20-FBC) / 0053 (UR20-IO-Modules)
Release: March 2020

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.12.00 (for Hardware version 02.xx.xx) and 01.11.00 (for Hardware version 01.xx.xx)

New supported modules:

- 2566960000 UR20-4AI-UI-ISO-16-DIAG
- 2566970000 UR20-2AO-UI-ISO-16-DIAG

Version 0045 (UR20-FBC) / 0049 (UR20-IO-Modules)
Release: July 2019

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.11.00

New features:

- Name of Zip file of ESI package now contains compatible firmware version
- Support of variable IO-Length for UR20-4COM-IO-LINK

New supported module:

- 2544660000 UR20-4AI-UI-DIF-32-DIAG

Version 0044 (UR20-FBC) / 0048 (UR20-IO-Modules)
Release: May 2019

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.08.00

Bug fixes:

- Corrected order number of UR20-4AI-UI-16-DIAG

Version 0044 (UR20-FBC) / 0047 (UR20-IO-Modules)

Release: March 2019

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.08.00

New features:

- From now on only one ESI package will be offered for download which inherits all features from the former TwinCAT package. An ESI package without the optional object 0x8nn0:0x03 will still be available on request.

Bug fixes:

- UR20-1SM-50W-6DI2DO-P is now compatible to Omron Sysmac Studio

Version 0043 (UR20-FBC) / 0045 (UR20-IO-Modules)

Release: July 2018

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.08.00

New supported modules:

- 2489830000 UR20-1SM-50W-6DI2DO-P
- 1315740000 UR20-4COM-IO-LINK
- 2555940000 UR20-8AI-RTD-DIAG-2W
- 2456530000 UR20-8DIO-P-3W-DIAG

Version 0041 (UR20-FBC) / 0043 (UR20-IO-Modules)

Release: April 2018

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.07.00

No new features, required to support new firmware

Version 0040 (UR20-FBC) / 0043 (UR20-IO-Modules)

Release: December 2017

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.06.00

New supported modules:

- 2457250000 UR20-4DO-ISO-4A
- 2457240000 UR20-8DI-ISO-2W
- 2464580000 UR20-4DI-4DO-PN-FSOE-V2
- previous version 1529780000 - UR20-4DI-4DO-PN-FSOE is no longer supported
- 2464600000 UR20-8DI-PN-FSOE-V2
- previous version 1529800000 - UR20-8DI-PN-FSOE is no longer supported

Version 0035 (UR20-FBC) / 0040 (UR20-IO-Modules)

Release: May 2017

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.05.00

New supported modules:

- 2456540000 UR20-4AI-RTD-HP-DIAG
- 2453880000 UR20-4AO-UI-16-M
- 2453870000 UR20-4AO-UI-16-M-DIAG

Version 0031 (UR20-FBC) / 0037 (UR20-IO-Modules)

Release: October 2016

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.01.00

New supported module:

- 1990070000 UR20-2AI-SG-DIAG

Version 0029 (UR20-FBC) / 0036 (UR20-IO-Modules)

Release: June 2016

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.00.49

New supported modules:

- 2001670000 UR20-4AI-R-HS-16-DIAG
- 2007420000 UR20-3EM-230V-AC
- 1993880000 UR20-4AI-UI-DIF-16-DIAG
- 1315450000 UR20-16DO-N-PLC-INT

Version 0028 (UR20-FBC) / 0035 (UR20-IO-Modules)

Release: December 2015

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.00.45

New supported modules:

- 1938600000 SAI-AU M8 SB 8DI (via UR20-1COM-SAI-PRO)
- 1938630000 SAI-AU M8 SB 8DIO (via UR20-1COM-SAI-PRO)
- 1938660000 SAI-AU M8 SB 8DO 2A (via UR20-1COM-SAI-PRO)
- 1938730000 SAI-AU M12 SB 2Counter (via UR20-1COM-SAI-PRO)
- 1938690000 SAI-AU M12 SB 4AI (via UR20-1COM-SAI-PRO)
- 1938700000 SAI-AU M12 SB 4AO (via UR20-1COM-SAI-PRO)
- 1938710000 SAI-AU M12 SB 4PT100 (via UR20-1COM-SAI-PRO)
- 1938720000 SAI-AU M12 SB 4THERMO (via UR20-1COM-SAI-PRO)
- 1938610000 SAI-AU M12 SB 8DI (via UR20-1COM-SAI-PRO)
- 1938640000 SAI-AU M12 SB 8DIO (via UR20-1COM-SAI-PRO)
- 1938680000 SAI-AU M12 SB 8DO 2A (via UR20-1COM-SAI-PRO)
- 1315440000 UR20-16DO-N
- 1315750000 UR20-1COM-232-485-422
- 2007430000 UR20-1COM-SAI-PRO
- 2009360000 UR20-4DI-P-3W

Version 0027 (UR20-FBC) / 0032 (UR20-IO-Modules)

Release: August 2015

Available file packages (please install only one of them): TwinCAT or Standard (see also: "Release: May 2015")

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.00.40

New features:

- FSOE support

New supported modules:

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

Version 0025 (UR20-FBC) / 0032 (UR20-IO-Modules)

Release: May 2015

Available file packages (please install only one of them): TwinCAT or Standard

Coupler file: Weidmueller_UR20_FBC_{package name}.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO_{package name}.xml
 Compatible firmware: 01.00.37

New features:

- Introducing two separate ESI packages “TwinCAT” and “Standard” to improve compatibility to some older versions of engineering tools
 - TwinCAT package module file contains optional Module Identification Object 0x8nn0:0x03 “Name string” of data type “VISIBLE-STRING”
 - Standard package does not contain object 0x8nn0:0x03 but is otherwise identical to TwinCAT package

Bug fixes:

- Improved compatibility to Omron Sysmac Studio

New supported modules:

- 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
- 1315390000 UR20-16DI-N
- 1315400000 UR20-16DI-N-PLC-INT

Version 0023 (UR20-FBC) / 0031 (UR20-IO-Modules)

Release: November 2014

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.00.36

New supported modules:

- 1506930000 4AO-UI-16-DIAG-HD
- 1510690000 4AO-UI-16-HD
- 1315720000 8AI-I-16-DIAG-HD
- 1315650000 8AI-I-16-HD
- 1509830000 8DO-P-2W-HD

Version 0022 (UR20-FBC) / 0028 (UR20-IO-Modules)

Release: October 2014

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.00.36

New supported module:

- 1508080000 UR20-2FCNT-100

Version 0022 (UR20-FBC) / 0026 (UR20-IO-Modules)

Release: September 2014

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
 Compatible firmware: 01.00.33

New supported modules:

- 1335030000 UR20-PF-O-1DI-SIL
- 1335040000 UR20-PF-O-2DI-DELAY-SIL
- 1335050000 UR20-PF-O-2DI-SIL

Version 0021 (UR20-FBC) / 0024 (UR20-IO-Modules)

Release: June 2014

Coupler file: Weidmueller_UR20_FBC.xml
 Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml

Compatible firmware: 01.00.33

New supported modules:

- 1506910000 UR20-4AI-UI-16-DIAG-HD
- 1315690000 UR20-4AI-UI-16-DIAG
- 1506920000 UR20-4AI-UI-16-HD
- 1315730000 UR20-4AO-UI-16-DIAG
- 1315180000 UR20-8DI-P-2W
- 1315190000 UR20-8DI-P-3W-HD

Version 0020 (UR20-FBC) / 0021 (UR20-IO-Modules)**Release: December 2013**

Coupler file: Weidmueller_UR20_FBC.xml
Module file: UR20-IO-Modules\Weidmueller_UR20_IO.xml
Compatible firmware: 01.00.32

New feature:

- Change of file names to match Weidmüller product name conventions

Version 0015 (UR20-FBC) / 0017 (UR20-IO-Modules)**Release: November 2013**

Coupler file: bRK_vAA.BB_ESI_FBC-EC.xml
Module file: bRK-FBC-EC-Modules\bRK_vAA.BB_ESI-MODU_FBC-EC_release.xml
Compatible firmware: 01.00.29

First released version

Supported modules:

- 1315570000 UR20-1CNT-100-1DO
- 1315590000 UR20-2CNT-100
- 1460140000 UR20-2DI-P-TS
- 1315600000 UR20-2PWM-0.5A
- 1315610000 UR20-2PWM-2A
- 1315700000 UR20-4AI-RTD-DIAG
- 1315710000 UR20-4AI-TC-DIAG
- 1315620000 UR20-4AI-UI-16
- 1394390000 UR20-4AI-UI-12
- 1315680000 UR20-4AO-UI-16
- 1315170000 UR20-4DI-P
- 1460150000 UR20-4DI-P-TS
- 1315220000 UR20-4DO-P
- 1315230000 UR20-4DO-P-2A
- 1394420000 UR20-4DO-PN-2A
- 1315550000 UR20-4RO-CO-255
- 1315540000 UR20-4RO-SSR-255
- 1315670000 UR20-8AI-I-PLC-INT
- 1394400000 UR20-8DI-P-3W
- 1315240000 UR20-8DO-P
- 1315200000 UR20-16DI-P
- 1315210000 UR20-16DI-P-PLC-INT
- 1315250000 UR20-16DO-P
- 1315270000 UR20-16DO-P-PLC-INT