Release Notes Weidmueller FDT DTM Software Full/Web

Description

This FDT DTM Software contains Weidmueller Device Type Manager (DTM) library and the WI-Manager FDT frame application.

A DTM provides a graphical user interface for configuration of a device. It shall also represent diagnosis details, process values, calibration and other device information.

This document provides information about new functions, solved issues and known limitations of the components contained.

Version 1.4.1   **Release date: Aug 20, 2025**

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Included in this version.

- The installer/setup file is now digitally signed to verify authenticity and improve security.

WI-Manager 2.5.1

Solved Issues:

- Create PDF Report generates blank document when screen scale is enabled.

Known Limitations:

- Issue: In some cases, a private dialog popped up by the DTM could not be in front of the main window of the frame application.
  Workaround: Check for a background dialog windows in case the DTM seems not to respond to user interactions.

Weidmueller DTM-Library V1.7.1 (Updated)

Updates:

- CBX200
  - Fix the problem of COM port not being detected in some computers.

Known limitations:

- Downgrade of FDT DTM software Full/Web not supported.
  - Workaround: If for some reason, need to use a lower version of the FDT DTM software, please uninstall the higher version before installing the previous version.

- ACT20P-UI-2RCO-AC and -DC (Version 1.0.3 or higher)
  - The function "Restore factory calibration" does not work with the firmware version 1.06 and lower.
    Workaround: Redo the calibration for required input following the procedure specified in the calibration user interface.

  - Configuring device parameters/enabling simulation when the device is in alarm condition, might cause the alarm status to be incorrect (not per the configured alarm criteria) after the configuration is complete/simulation is disabled.
    Workaround: Reset the device, if the above operations were done during an alarm condition and a problem with the alarm status is seen.

- ACT20P-UI-DO-LP DTM
  - The alarm function does not work for Thermocouple, RTD and Potentiometer inputs for firmware version 1.03 and lower. Firmware version 1.04 fixes the alarm function for Thermocouple, RTD inputs.
    Workaround: None

Note:

- PACTware:
  - In case PACTware is used instead of the WI-Manager, PACTware version 5.0.4.20 or higher will be required.

- MODBUS-TCP-COM-WI
  - Schneider Modbus communication DTM's are no longer provided as part of the library.
  - When using saved WI-Manager projects containing Schneider Modbus Communication DTM's in the topology, to use the Modbus-TCP-COM-WI DTM, it is required to manually replace the communication DTM used to the Modbus-TCP-COM-WI DTM either by cloning the child DTM's (copy and paste) or by rebuilding the topology.

- ACT20P-UI-2RCO-AC and -DC
  - For the RTD 2-Wire connection to work, the terminals 13 and 14 need to be shorted. Refer to the terminal connection diagram indicated in the DTM for more details.
  - Doing a calibration/reset to factory calibration might affect the relay output parameter values (Limits and Hysteresis) configured in the device. Please make a note of these values before calibration and adjust them after calibration if required.

- ACT20P-VM-AO, ACT20P-TMR-RTI
  - Projects created with version 1.0.0/1.0.1 of the above DTM's are not compatible to be opened with DTM versions 1.0.2 or above included with this release. Manually delete the DTM from the topology of the project and add them again.

- ACT20C-GTW-DTM
  - The Modbus process value data format 20000-type is no longer supported in the actual device version (V1.0.0). The data format settings within the device will be changed to S7-format on next download. Please export the Modbus table again to check the value range of the S7-format and adjust your application accordingly.

- ACT20C-AI-AO-MTCP
  - Function "Diagnosis"
    - The configuration of input and output needs to fit the wiring, so that the diagnosis can work properly.
    - In case of a lost Ethernet connection, the DTM will show the diagnosis "No Link on Remote Bus" only when connected via the serial interface using the CBX200 adapter. Workaround: Use the connection status of the *WI* Manager at its bottom line instead.
    - Function Diagnosis "AI Short Circuit" vs. "AI Sensor Supply Overload". In case of a short circuit of the input pins 13 & 14 for a loop powered sensor, a short circuit will be displayed as diagnosis "AI Sensor Supply Overload".

Quick Start Installation Guide

1. Check that the PC fulfils the following system and hardware requirements.
   - Operating Systems:
     - Windows 10, 32/64 bit
     - Windows 11, 32/64 bit
   - Hardware (minimal)
     - CPU with 1 Core at 2 GHz
     - 512 MB RAM
     - 1 GB HDD free
2. **Ensure that the PC has an internet connection during installation.**
3. Execute the "Weidmueller FDT DTM Software Web.exe"
4. For Windows 10/11, if any problem found during installation, turn on Windows feature for .NET framework 3.5 [Control Panel -> Programs ->Turn Window Feature ON or OFF], if it's found being turned off and re-try installation.

Included Components

- ACT20X-DTMs (Version 1.1.7)
  - ACT20X-HAI-SAO-S / -P   order: 8965430000 / 2456140000
  - ACT20X-2HAI-2SAO-S / -P   order: 8965440000 / 2456150000
  - ACT20X-SAI-HAO-S / -P   order: 8965450000 / 2456160000
  - ACT20X-2SAI-2HAO-S / -P   order: 8965460000 / 2456170000
  - ACT20X-HTI-SAO-S / -P   order: 8965470000 / 2456180000
  - ACT20X-2HTI-2SAO-S / -P   order: 8965480000 / 2456190000
  - ACT20X-HUI-SAO-S / -P   order: 8965490000 / 2456200000
  - ACT20X-HDI-SDO-RNO-S / -P   order: 8965340000 / 2456050000
  - ACT20X-HDI-SDO-RNC-S / -P   order: 8965350000 / 2456060000
  - ACT20X-2HDI-2SDO-RNO-S / -P order: 8965370000 / 2456080000
  - ACT20X-2HDI-2SDO-RNC-S / -P order: 8965380000 / 2456090000
  - ACT20X-HDI-SDO-S / -P   order: 8965360000 / 2456070000
  - ACT20X-2HDI-2SDO-S / -P   order: 8965390000 / 2456100000
  - ACT20X-SDI-HDO-L-S / -P   order: 8965400000 / 2456110000
  - ACT20X-2SDI-2HDO-S / -P   order: 8965420000 / 2456130000
  - ACT20X-SDI-HDO-H-S / -P   order: 8965410000 / 2456120000
  - ACT20X-HUI-SAO-LP-S / -P   order: 1318220000 / 2456210000
- ACT20M-DTMs (Version 1.1.2)
  - ACT20M-UI-AO-S   order: 1176030000
- ACT20C-DTMs (Version 1.1.6)
  - ACT20C-AI-AO-MTCP-S   order: 1334490000
- ACT20C-DTMs FDT2 (Version 1.1.4)
  - ACT20C-GTW-100-MTCP-S / -P   order: 1510370000 / 2456780000
  - ACT20C-CMT-10-AO-RC-S / -P   order: 1510240000 / 1549990000
  - ACT20C-CMT-60-AO-RC-S / -P   order: 1510420000 / 1550020000
  - ACT20C-CML-10-AO-RC-S / -P   order: 2044840000 / 2489900000
- ACT20P- UI-2RCO-DC-DTMs (Version 1.0.9)
  - ACT20P-UI-2RCO-DC-S / -P   order: 7940045760 / 2456840000
  - ACT20P-UI-2RCO-AC-S / -P   order: 1238910000 / 2495690000
- ACT20P-DTMs (Version 1.0.3)
  - ACT20P-TMR-RTI-S   order: 7760054305
  - ACT20P-VM-AO-S   order: 7760054306
- ACT20P-UI-AO-DO-LP-DTM (Version 1.0.6)
  - ACT20P-UI-AO-DO-LP-S / -P   order: 1453210000 / 2456850000

- UR20 Coupler DTMs (Version 1.0.4)
  - UR20-FBC-MOD-TCP-V2   order: 2476450000
- UR20 HART Master DTMs (Version 1.1.0)
  - UR20-4AI-I-HART-16-DIAG   order: 2617520000
  - UR20-4AI-I-HART-ISO-16   order: 2828350000
- ACT20M-FRQ-AO DTM (Version 1.0.1)
  - ACT20M-FRQ-AO   order: 2825020000, 282545000, 2825130000, 2825340000
- Communication DTMs
  - FDT2 CBX200-DTM (Version 1.1.5)
  - MODBUS-TCP-COM-WI (Version 1.0.3)

History of Versions:

- ACT20X-DTMs
  - Version 1.1.7
    - Merge module configuration cleanup.
    - Adaptations to visual studio build configurations to build on Win10 PC
  - Version 1.1.6
    - Fixed the accepted input range for thermocouple type – LR.
    - Fixed the connection status of DTM in case of unsuccessful connection attempt to the device.
    - Updated device information pages for some devices with the device.
  - Version 1.1.5
    - Fixed the problem of device going to fail state intermittently during configuration.
    - Fixed miscellaneous communication issues with the device.
  - Version 1.1.4
    - Bug fixes
  - Version 1.1.3
    - Bug fixes
  - Version 1.1.2
    - Bug fixes
  - Version 1.1.0
    - Update of ACT20X-DTMs with SIL functionality
    - Bug fixing at the communication configuration for ACT20X-HUI-SAO-LP-S
  - Version 1.0.12
    - Update Weidmueller CI
  - Version 1.0.11
    - Upgrade CBX-200 DTM for communication with ACT20C devices.
  - Version 1.0.10
    - Bug fixing at the download to device function of the ACT20X-2HTI-2SAO-S
  - Version 1.0.9
    - DTM for ACT20X-HUI-SAO-LP unit added.
  - Version 1.0.8
    - CBX-200 with 64-bit driver support added.
  - Version 1.0.7
    - Added ACT20X-HAI and ACT20X-SAI Series.
    - Device detection of CBX200-DTM extended regarding these series.
  - Version 1.0.6
    - CBX200-DTM modified to support ACT20M product family
  - Version 1.0.5
    - Bug fixing at the temperature sensors of the ACT20X-HTIs and -HUIs
  - Version 1.0.4
    - Bug fixing at ACT20X-HUI DTMs
  - Version 1.0.3
    - Added ACT20X-HUI Series
  - Version 1.0.2
    - Added ACT20X-SDI Series
  - Version 1.0.1
    - Bug fixed in the language support with PACTware.
    - Added ACT20X-HTI series
  - First version 1.0.0 (internal)

- ACT20M-UI-AO-S DTM

- o Version 1.1.2
  - Update the terminal connection image for potentiometer input.
- o Version 1.1.1
  - Merge module configuration cleanup.
- o Version 1.1.0
  - Fixed the intermittent problem of observe screen not being refreshed correctly when input/output parameters are changed.
  - Corrected the output percentage value displayed in observe screen.
- o Version 1.0.9
  - ACT20M-UI-AO: Fixed the incorrect datasheet information displayed in information page.
- o Version 1.0.8
  - Bug fixes
- o Version 1.0.7
  - Bug fixes
- o Version 1.0.6
  - Bug fixes
- o Version 1.04
  - Remove typo from Terminal Connections
- o Version 1.03
  - Update Weidmueller CI
- o Version 1.0.2
  - Problem with graphical display of process values in view "Observe" fixed: under windows operating systems that have visual styles enabled (available since XP) the percentage value shown within the bar indicator disappears occasionally.
- o Version 1.0.1
  - Device detection of CBX200-DTM extended regarding the ACT20X-HAI & ACT20X-SAI Series.
    CBX200 driver supporting 64-bit operating systems added.
- o First version 1.0.0

- ACT20C-AI-AO-MTCP DTM
  - o Version 1.1.6
    - Fix for protocol schema not found error
  - o Version 1.1.5
    - Bug fixes
  - o Version 1.1.4
    - Bug fixes
  - o Version 1.1.3
    - Bug fixes
  - o Version 1.1.1
    - Bug fixing at the communication with the CBX-200
  - o Version 1.1.0
    - First version
- ACT20C-GTW/CMT DTM
  - o Version 1.1.4
    - Fixed the problem of configuration data not being read from device under specific conditions.
    - Fixed the problem of some parameters seen with blank value in UI.
    - Solved application crash issues during close window operation of modal dialogs when a background operation is in progress.
  - o Version 1.1.3
    - Updates for PACTware compatibility.
  - o Version 1.1.2
    - Bug fixes/Update for PACTware compatibility
  - o Version 1.1.1
    - Bug fixes
  - o Version 1.1.0
    - First version
- ACT20P-UI-2RCO-DC -DTM
  - o Version 1.0.9
    - Corrections to the PDF report generated.
  - o Version 1.0.8

- - - Fixed problems with observe screen trend chart zooming/scrolling.
    - Version 1.0.7
      - Fixed communication issues between DTM and device firmware version 1.09/above.
    - Version 1.0.6
      - Bug fixes/UI enhancement
      - Fixed communication issues between DTM and device firmware version 1.09/above.
    - Version 1.0.5
      - Bug fixes
    - Version 1.0.4
      - Bug fixes
    - Version 1.0.3
      - Bug fixes
    - Version 1.0.1
      - Transaction request problems: Check the connection of CBX200 between the PC and the device. "Go offline" and "Go Online" in the DTM.
    - Version 1.0.0
      - First version
- ACT20P-DTM (TMR/VM-AO)
    - Version 1.0.3
      - Fixed problems with observe screen trend chart zooming/scrolling.
    - Version 1.0.2
      - Bug fixes
    - Version 1.0.1
      - Bug fixes, Dataset format change, communication logic between UI and Business logic changed
    - Version 1.0.0
      - First version
- ACT20P-UI-AO-DO-LP-DTM
    - Version 1.0.6
      - Fix the problem of online screen stuck at loading condition
    - Version 1.0.5
      - Corrections to the PDF report generated.
    - Version 1.0.4
      - Fixed problems with observe screen trend chart zooming/scrolling.
    - Version 1.0.3
      - Bug fixes
    - Version 1.0.2
      - Bug fixing at the calibration function
    - Version 1.0.1
      - Bug fixing at the download to device function
      - Bug fixing for import/export of user defined tables
    - Version 1.0.0
      - First version
- FDT2 CBX200-DTM
    - Version 1.1.6
      - Fix the problem of COM port not being detected in some computers.
    - Version 1.1.5
      - Change the method of enumerating COM ports.
    - Version 1.1.4
      - Support for ACT20M-FRQ-AO device.
    - Version 1.1.3
      - Changes to support the fix for communication issues observed with ACT20P-UI-2RCO/ACT20X.
      - Included latest CBX driver 2.12.28 as part of the installation files.
- UR20-FBC-MOD-TCP-V2 DTM
    - Version 1.0.4
      - Fix communication issues with Modbus coupler Firmware version 2.12 and above
    - Version 1.0.3
      - Updated Weidmueller DTM common library version reference.
    - Version 1.0.2

- Bug fixes - DHCP timeout parameter/ UI unresponsiveness during the case when invalid parameters are read from the device
- Improvements - Display device firmware major and minor version, add hint about DTM behaviour if watchdog is activated in DTM parameterisation screen.
- Update Weidmueller DTM common library version reference.
  - o Version 1.0.1
    - Improved look/feel of Set Address UI.
  - o Version 1.0.0
    - First version
- UR20-4AI-I-HART-16-DIAG/UR20-4AI-HART-ISO-16 DTM
  - o Version 1.1.0
    - Added new device type UR20-4AI-HART-ISO-16
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.3
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.2
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.1
    - Improve look/feel of Set Address UI.
  - o Version 1.0.0
    - First version

- MODBUS-TCP-COM-WI DTM
  - o Version 1.0.3
    - Updated Weidmueller DTM common library version reference
  - o Version 1.0.2
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.1
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.0
    - First version

- ACT20M-FRQ-AO DTM
  - o Version 1.0.1
    - Updated Weidmueller DTM common library version reference.
  - o Version 1.0.0
    - First version
- WI-Manager
  - o Version 2.5.1
    - Fixed issues with PDF reports.
  - o Version 2.5.0
    - Provide in time progress for importing a communication DTM with a plenty of descendants
    - Verify original password during change password.
    - Support to work alongside frames that are based on FDT 2.1.
    - Dialogs disappearing under certain conditions when DTM immediately finishes upload.
    - Fixed unhandled exception when trying to remove some communication DTM after closing its UI.
    - Calling UpdateProgress with -1 from FDT2 DTM does not show an indeterminate progress.
    - The Fdt1Surrogate process not shut down under certain conditions on x64 platform.
    - Fixed performance issue of importing many different type of FDT1 DTMs.
    - Scanning with some DeviceType ident numbers doesn't work.
  - o Version 2.4.3
    - Error fixed when opening multiple DTM UI instances.
    - The hotkey works for model window of FDT1 DTM.
    - Copy Paste DTM works.
    - Temporarily removing filter functioning.
    - Date in English PDF report is written correctly with dots.
    - DTM properly added to topology from scan result only when selected.
    - Replace of a FDT1 DTM by a FDT2 DTM fixed.

Contact

If you need further assistance with the Weidmueller FDT DTM please contact the support:

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