

**Content**

**1 Device - Revision Record - What is new? ..... 1**  
1.1 Hardware..... 1  
1.2 Software ..... 1  
1.3 Firmware ..... 1

**2 DTM - Device Type Manager ..... 1**  
2.1 Supported devices..... 1  
2.2 DTM bundle Version record - What is new? ..... 2  
2.3 Requirements ..... 3  
2.3.1 PC-Hardware, Operating system ..... 3  
2.3.2 Frame application / compatibility..... 3  
2.3.3 Software package contents ..... 3  
2.4 Installation and configuration..... 3  
2.4.1 Installation ..... 3  
2.4.2 Uninstall instructions ..... 3  
2.5 Update- / Upgrade instructions ..... 3  
2.6 Known problems and limitations ..... 3  
2.7 Getting help / Additional information..... 4  
2.8 How to get the latest information & software? ..... 4  
2.9 Licensing the DTM..... 4

**1 Device - Revision Record - What is new?**

**1.1 Hardware**

See the respective device driver Supplement-Information\*)

**1.2 Software**

See the respective device driver Supplement-Information\*)

**1.3 Firmware**

See the respective device driver Supplement-Information\*)

**2 DTM - Device Type Manager**

**2.1 Supported devices**

“ABB DTM500” is the name of an ABB DTM Bundle for HART, PROFIBUS and MODBUS field devices. The following supplementary information refers to all DTMs of this bundle.

The number and type of the DTMs in this package are shown chapter 2.3.3.

\*) The individual device driver Supplement Information & Software is available on the data medium or latest on [www.abb.com/fieldbus](http://www.abb.com/fieldbus):

→ latest information [*Field device protocol dependent*]

→ latest information (download) [*device type dependent*]

- Driver description

- Software [*driver type dependent*]

2.2 DTM bundle Version record - What is new?

Released bundle Version	Released Date	Released DTM500 Library Version	Remarks
05.00.01	Jan. 2009	05.00.11	First release
05.00.06	Nov. 2009	05.00.13	<ul style="list-style-type: none"> <li>- Bug fix</li> <li>- Updated DTM Library</li> <li>- Updated device DTM</li> <li>- FEX300 HART</li> <li>- New device DTM</li> <li>- 264 HART</li> <li>- FEX100 HART</li> <li>- TTX300 HART</li> <li>- TZIDC HART</li> </ul>
05.01.00	Jul. 2010	05.00.15	<ul style="list-style-type: none"> <li>- Bug fix</li> <li>- Updated DTM Library</li> <li>- Updated device DTM</li> <li>- FEX300 HART</li> <li>- FEX100 HART</li> <li>- 264 HART</li> <li>- New device DTM</li> <li>- AZ20/AZ30 HART</li> <li>- 266-PdP HART</li> </ul>
05.02.00	Dec. 2010	05.00.16	<ul style="list-style-type: none"> <li>- Bug fix</li> <li>- Updated DTM Library</li> <li>- Updated device DTM</li> <li>- FEX300 HART</li> <li>- FEX100 HART</li> <li>- 264 HART</li> <li>- TTX300 HART</li> <li>- 266-PdP HART</li> <li>- AZ20/AZ30 HART</li> <li>- TTX300 PA</li> <li>- New device DTM</li> <li>- FEX100 DP</li> <li>- FEX300/500 PA</li> <li>- 266-PdP PA</li> </ul>
05.03.00	Aug. 2011	05.00.17	<ul style="list-style-type: none"> <li>- Bug fix</li> <li>- Updated DTM Library</li> <li>- Updated device DTM</li> <li>- FEX100 DP,</li> <li>- FEX100 HART</li> <li>- FEX300/500 HART</li> <li>- FEX300/500 PA</li> <li>- 266-PdP PA</li> <li>- 266-PdP HART</li> <li>- 264 HART</li> <li>- TTX300 HART</li> <li>- TTX300 PA</li> <li>- TTX200 HART</li> <li>- AZ20/AZ30 HART</li> <li>- TZIDC HART</li> <li>- New device DTM</li> <li>- NHU200-WL HART</li> <li>- EDP300 HART</li> </ul>

**2.3 Requirements**

**2.3.1 PC-Hardware, Operating system**

- Minimum requirement
  - Processor Intel compatible (2 GHz)
  - 512 MB RAM
  - 400 MB free hard disk space
  - 1024 x 768 screen resolution
  - Windows 2000 SP4 / XP SP2 / Vista SP2 or 7
  - .NET Framework 2.0
  - Internet Explorer 6.0
  - Adobe Reader latest version
  - Member of the "Administrators" group

The ABB DTMs of the DTM500 Bundle are released for Windows 2000 Professional, XP Professional, Vista Business and 7 Professional as PC / Notebook installation.

ABB recommends that a virus scanner is used on all PCs/Notebooks, where Asset Vision and/or DTMs are installed. McAfee VirusScan® Enterprise has been tested and qualified for this purpose.

**2.3.2 Frame application / compatibility**

The FDT compatibility was tested with the dtmINSPECTOR Rev. 3.0.1300

Therefore the ABB DTM should be usable in all frame applications according to the requirements of FDT 1.2. / 1.2.1. Refer the corresponding frame application documentation and Manuals.

**2.3.3 Software package contents**

DTM for HART devices:

- Analyzer
  - AZ20 / AZ30 for Endura
- Flow transmitter
  - FEX300 / FEX500 HART for FEH300 / FEH500 HygienicMaster, for FEP300 / FEP500 ProcessMaster
  - FEX100 HART for WaterMaster
- Pressure and Level transmitters
  - 264 HART for 2600T(264xx)
  - 266-PdP HART for 2600T(266xxx)
- Positioners
  - TZIDC HART for TZIDC, TZIDC-200
  - EDP300 HART PositionMaster
- Temperature transmitters
  - TTX300 HART for TTH300, TTF300, TTF350
  - TTX200 HART for TTH200, TTR200
- Wireless HART Adapter
  - NHU200-WL FieldKey

DTM for PROFIBUS devices:

- Flow transmitter
  - FEX100 DP for FEV100, FEF100 WaterMaster
  - FEX300 / FEX500 PA for FEH300 / FEH500 HygienicMaster, for FEP300 / FEP500 ProcessMaster
- Pressure and Level transmitters
  - 266-PdP PA for 2600T(266xxx)
- Temperature transmitters
  - TTX300 PA for TTH300, TTF300, TTR300

**2.4 Installation and configuration**

**2.4.1 Installation**

- Ensure that the minimum hardware requirements are met.
- Start Windows (login with administrator rights!).
- Cancel all active applications.
- Insert data medium or unpack the DTM zip file available as download from [www.abb.com/Instrumentation](http://www.abb.com/Instrumentation).
- Start the installation Wizard as follows:
 

Data medium	<drive>\Setup.exe
or	
DTM zip file	\\Revxx.yy.zz_yyyy.mm\Setup.exe
- Follow the instructions.

**2.4.2 Uninstall instructions**

In the operating system: Start -> Settings -> Control Panel -> Add/Remove Programs -> Select the ABB DTM500 and Uninstall.

**2.5 Update- / Upgrade instructions**

- Uninstallation is not required before update / upgrade. It can be handled like a new installation, existing projects will be retained.
- Hints regarding new versions may be found under [www.abb.com/Fieldbus](http://www.abb.com/Fieldbus)

**2.6 Known problems and limitations**

In addition to the specific hints in the respective device driver Supplement-Information\*) the general hints are attached.

- **Attention:**
  - DTMs of the ABB DTM500 bundle are not released for the ABB Stand-Alone-Tool DSV401 Rx (SMART VISION).
  - It is recommended** to use the upgraded drivers released based on this library version (05.0.17.25)
- In windows 2000 OS, Print option in parameterise is not supported. Workaround: User to use Print Screen option for the parameterise window.
- When using DTM500 with Asset Vision Basic in Point-To-Point mode and Closing AVB while DTM online, will display a "DTM error" message. Workaround: User to ignore this message as anyway intended to close AVB.
- In Trend Control, under certain conditions like when axis min/max is changed/set to large range, then DTM trend view displays "Overflow exception" message. Workaround: User to close and reopen the User Interface containing trend display with valid range
- When an upload operation is interrupted, partially uploaded parameters gets saved to data set. Workaround: User recommended performing a full upload after communication status restore or User to save the new project atleast once, before any further operations.
- DTM500 Profibus drivers can communicate with any profibus device when the device address assigned is same. Workaround: User to ensure that the DTMs used are appropriate for the device connected physically.

- In multi client scenario (Eg:800xA Frame), data replication is possible across clients only when the datasource is set to Dataset.  
Workaround: User while working with datasource in device, are recommended to trigger the "save to Instance dataset" option for data replication across clients.
- Interrupted Installation due to removal of CD installer or network disturbance or power failure can cause issues while reinstalling.  
Interrupted installation might require Registry, Assembly and Installation directory folder to be cleaned manually. Only after that, reinstallation is possible.  
Workaround: User to ensure that no power failure or network failure during DTM500 installation.
- When there is a communication disturbance encountered during data transaction between DTM and device, the next download from frame will pop-up with "dataset locked" message,  
Workaround: User recommended to use the DTM MDI for download.
- The DTM instance Additional function context menu updates takes few seconds when toggled to offline. Meanwhile, if the user clicks on the menu option, then frame pops up an error message.  
Workaround: User can close the message box and continue working with the DTM.
- In 800xA system, When user logged in as Maintenance engineer / Operator, DTM MDI status bar displays as Planning engineer/Observer respectively with corresponding rights.
- In Server-client setup, when DTM accessed over a remote desktop from a client PC, DTM MDI opens in Server PC instead of client desktop. Remote Desktop is only supported in Console-Mode.
- The footprint of DTM500 is higher and consumes high memory when multiple instances are being used and this is because of usage of COM Wrapper. For each instance of the DTM, an entry appears in the task manager as DTMFDTManager.

## 2.7 Getting help / Additional information

- Press 'F1' for DTM online help.
- Help concerning the integration of the DTM in the FDT frame application can be found in the respective documentation of the frame application.

## 2.8 How to get the latest information & software?

- The latest DTM500 Bundle Supplement Information is available on [www.abb.com/fieldbus](http://www.abb.com/fieldbus):  
Enter in the search field following No. "3KXD801500R3901 Rev. D".

The latest DTM500 Bundle software is available on

[www.abb.com/fieldbus](http://www.abb.com/fieldbus):

Enter in the search field following No. "3KXD800500S0030".

- For the single device driver see the respective Supplement Information & Software\*)

## 2.9 Licensing the DTM

- The ABB DTM500 Bundle is usable without any license in any frame application.
- After the installation the ABB DTM500 Bundle runs 90-days in demo mode (full functionality) and needs to be purchased within this period, if the storage of data being requested.

ABB provides expert and comprehensive consulting services in more than 100 countries worldwide.

<http://www.abb.com/instrumentation>

ABB is continually improving its products. As a result, technical information in this document is subject to change.

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