Supplementary Information

3KXF410104R3901 Rev. F

Driver FCXxxx Profibus DP
Family CoriolisMaster

Flowmeter
FCB4xx, FCH4xx, FCT4xx

Content

- *) DTM500 Bundle Supplement Info is available on the data medium \documentation or latest on www.abb.com/fieldbus. Enter here in the search field following No. "3KXD801500R3901".

1 Device - Revision Record - What is new?

1.1 Hardware ID: 3434

Released Revision	Released Datum	Remarks
01.00.00	April 2018	First release

1.2 Firmware

Released Revision	Released Datum	Remarks
00.05.00	April 2018	First release
01.05.01	Dec. 2019	Second independent frequency output 51/52
01.06.00	March 2020	Added ECC function

1.3 Device

Released Revision	Released Date	Remarks
01	April 2018	First release
02	March 2020	Added ECC function

1.4 Cyber Security info
1.4.1 ABB recommendation

A virus scanner shall be used on all PCs/Notebooks. McAfee VirusScan® Enterprise has been tested and qualified for this purpose.

ABB

2 DTM (Device Type Manager)

2.1 Supported devices

CoriolisMaster FCB4xx, FCH4xx, FCT4xx

2.2 DTM (driver) Version record - What is new?

Released driver Version	Released Date	Released Library Version	Remarks
05.00.00	April 2018	≥ 05.05.00 / ≥ 05.00.22	- First release - Part of the DTM500 Library
05.00.01	June 2019	≥ 05.05.00 / ≥ 05.00.22	- Bug fixing - Device 01
07.02.01	Jul 2021	-	- DTM 700 migration

- The device DTM supports the standard FDT 1.2 / 1.2.1.

2.3 Supported Languages

The device DTM supports English

2.4 Requirements

2.4.1 PC-Hardware, Operating system

DTM500
- See DTM500 bundle Supplement Info*)

DTM700
– Minimum requirement
2-GHz-Processor or better with 32 Bit (x86) or 64 Bit (x64)
1 GB RAM or better
500 MB free hard disk space
1024 x 768 screen resolution recommended
Microsoft Windows 7 Service Pack 1, Windows 8.1 & Windows 10 (32 Bit / 64 Bit variants sup-ported)
Microsoft .NET Framework 4.6.1
Microsoft Visual C++ 2015 Redistributables - 14.0.23026
Microsoft Internet Explorer 6.0 or higher
    Adobe Reader latest version

2.4.2 Frame application / compatibility

DTM500
See DTM500 bundle Supplement Info*)

DTM700
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

2.5 Installation and configuration

2.5.1 Installation

DTM500
See DTM500 Bundle Supplement Info*)

DTM700
– Ensure that the minimum hardware requirements are met.
– Start Windows (login with administrator rights!).
– Cancel all active applications.
– Unpack the DTM zip file available as download from www.abb.com/Instrumentation
– Start the installation Wizard as follows:
– Right hand MouseClick with "run as Administrator"

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<drive>:\..\
3KXF410100S0205_DTM_FCx4xx_DP_CoriolisMaster.zip\3KXF410
100S0205_DTM_FCX4xx_DP\MID-001A_DID-
3434\Revision_07.02.01\DTMFCX4xxDP.exe
    – Follow the instructions

2.5.2 Uninstall instructions

DTM500
See DTM500 Bundle Supplement Info*)

DTM700
In the operating system: Start -> Settings -> Control Panel -> Add/Remove Programs -> Select the DTM and Uninstall

2.6 Update- / Upgrade instructions

DTM500
See DTM500 Bundle Supplement Info*)

DTM700
– Uninstallation is not required before update / upgrade. It can be handled like a new installation existing projects will be retained. Only in case of upgrade from DTM500 to DTM700, uninstallation of DTM500 to be followed as specified in DTM500 Bundle supplementary In-formation document be-fore proceeding with DTM700 installation.

– Hints regarding new versions may be found under
http://www.abb.com/Fieldbus

2.7 Known problems and limitations

DTM500
- None

DTM700
- Limitation: DTM connection states are not updated – Communication DTM shall provide updated communication states on disturbed, aborted, standby, connected, disconnected
- DTM is not tested with Symphony Harmony due to FDT issue – working with Harmony team to resolve.
- Issue: Delayed reset/Factory reset function from DTM will not allow user to close method UI – Work-around: For DCS: User has to go navigate from offline to online to proceed. For Standalone frames (AVB): Close host and reopen host to proceed.
- Import-Export UIP gives communication lost pop-up once Import is done. Work-around: Frame level Download can be used.

2.8 Getting help / further information

Help concerning the integration of the DTM in the FDT frame application can be found in the respective documentation of the frame application.

2.8.1 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/measurement

2.9 Licensing the DTM

DTM500
See DTM500 Bundle Supplement Info*)

DTM700
None

3 EDD

3.1 Supported devices

Profibus DP CoriolisMaster
FCB4xx, FCT4xx, FCH4xx

3.2 EDD Version record / What is new?

Released Version	Released Date	Remarks
0101	April 2018	First Release for Siemens only
0102	March 2020	FDI content not reg.
0201	March 2020	for Siemens only

3.3 Requirements

The EDD is released for PDM .

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

None known

3.6 Getting help / further information

Help concerning the integration of the driver in the frame application can be found in the respective documentation of the frame application.

3.7 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/fieldbus:
→ latest information [*field device protocol dependent*]
  → latest info (download) [*device type dependent*]
    - Driver description
    - Software [*driver type dependent*]

4 GSD

4.1 Supported devices

Profibus DP CoriolisMaster
FCB4xx, FCT4xx, FCH4xx

4.2 GSD Version record / What is new?

ABB.3434.GSD

Released Version	Released Date	Remarks
010000	Oct. 2018	First Release
010001	March 2020	update

4.3 Requirements
4.4 Interpreter / compatibility

4.5 Installation and configuration

Start your Frame application and follow the instructions.

4.6 Known problems and limitations

no

4.7 Getting help / further information

- Help concerning the integration of the driver in the frame application can be found in the respective documentation of the frame application.

4.8 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/fieldbus:
→ latest information [*field device protocol dependent*]
  → latest info (download) [*device type dependent*]
    - Driver description
    - Software [*driver type dependent*]

5   FDI Package (EDD based)

5.1   Supported devices
FCB430, FCB450, FCT430, FCT450, FCH430, FCH450

5.2   FDI ABB.Package Version record - What is new?

Released Date	Pack-age Version	EDD Released Version (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00)	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
October 2018	01.00.00	01 02	ABB_256x256.png, ABB_3434.gsd, Cor_if_256x256.png, OI_FCB400_FCH400_EN_D	no	no	First release
March 2020	02.01.00	02 01	ABB_256x256.png, ABB_3434.gsd, Cor_if_256x256.png, OI_FCB400_FCH400_EN_E	Diagnostics_History_UIP.1.0.1.uip	yes	Update

5.3   Supported Languages
The device Package supports English.

5.4   Requirements
FDI Technology Version 1.x.x

5.5   Import / remove and configuration
Start your EDD Host application and follow the instructions.

5.6   Update- / Upgrade instructions
No

5.7   Known problems and limitations
Description and Workaround:
Description:
On FIM 2.1 if user opens FIM and goes to Device Setting >>Simulation >> Current output and run it, it does not complete the last closing action and hangs at end.
Work around:
- Open Easy setup
- Open Device set up allow to read all parameters
- Go to Device Setting >> Detailed setup >> Input/Output >> Current output and allow to read all parameters.
- Run Simulation of Current output, it will go through all step and complete the closing action successfully.

5.8   Getting help / further information
Help concerning the integration of the Package in the FDI frame application can be found in the respective documentation of the FDI tool. Use mouse over for field hints and tooltips.

5.9   How to get the latest information & software?
Please check on FieldComm Group webpage www.fieldcommgroup.org

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For your local ABB contact,
visit: **abb.com/contacts**
For more product information,
visit: **abb.com/measurement**