

**Content**

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

1.1 Hardware ID: 1AA0 ..... 1

1.2 Software / Firmware ..... 1

1.3 Device ..... 2

1.4 Cyber Security info ..... 2

**2 DTM (Device Type Manager) ..... 2**

2.1 Supported devices ..... 2

2.2 DTM (driver) Version record – What is new? ..... 2

2.3 Supported Languages ..... 2

2.4 Requirements ..... 2

2.5 Installation and configuration ..... 2

2.6 Update- / Upgrade instructions ..... 2

2.7 Known problems and limitations ..... 3

2.8 Getting help / further information ..... 3

2.9 Licensing the DTM ..... 3

**3 EDD ..... 3**

3.1 Supported devices ..... 3

3.2 EDD Version record / What is new? ..... 3

3.3 Requirements ..... 3

3.4 Installation and configuration ..... 3

3.5 Known problems and limitations ..... 3

3.6 Getting help / further information ..... 3

3.7 How to get the latest information & software? ..... 3

**4 FDI Package (EDD based) ..... 4**

4.1 Supported devices ..... 4

4.2 FDI ABB.Package Version record - What is new? ..... 4

4.3 Supported Languages ..... 4

4.4 Requirements ..... 4

4.5 Import / remove and configuration ..... 4

4.6 Update- / Upgrade instructions ..... 4

4.7 Known problems and limitations ..... 5

4.8 Getting help / further information ..... 5

4.9 How to get the latest information & software? ..... 5

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

FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx

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

**1.1 Hardware ID: 1AA0**

**1.1.1 FCB1xx, FCH1xx**

Released Revision	Released Date	Remarks
all	April 2014	First release Local Operating Interface

**1.1.2 FCB4xx, FCH4xx, FCT4xx**

Released Revision	Released Datum	Remarks
all	Oct. 2015	First release HART 7

**1.2 Software / Firmware**

**1.2.1 FCB1xx, FCH1xx**

Released Revision	Released Date	Remarks
01.00.xx	April 2014	First Release
01.02.xx	Nov 2015	Added VeriMass features
01.03.xx	Jan 2017	Added Modbus register
01.04.02	March 2018	Added Drag indicators
01.05.01	Dec 2019	Second independent frequency output 51/52
01.06.00	March 2020	Added ECC function

**1.2.2 FCB4xx, FCH4xx, FCT4xx**

Released Revision	Released Datum	Remarks
00.01.00	Oct. 2015	First Release
00.03.00	March 2016	Added features
00.04.00	Nov. 2016	SI2 Certified
00.05.00	Jan. 2018	Added Modbus /Profibus communication
01.05.01	Dec 2019	Second independent frequency output 51/52

**Flowmeter**

**FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx**

01.06.00	March 2020	Added ECC function
----------	------------	--------------------

**1.3 Device**

Released Revision	Released Date	Remarks
01	April 2014	First release
02	March 2020	Two further HARD commands

**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.

**2 DTM (Device Type Manager)**

**2.1 Supported devices**

- CoriolisMaster FCB1xx, FCH1xx, FCB4xx, FCH4xx

**2.2 DTM (driver) Version record – What is new?**

Released driver Version	Released Date	Released Library Version/FDI base EDD	Remarks
05.00.00	April 2014	≥ 05.04.00 / ≥ 05.00.21	- First release - Part of the DTM500 Bundle
05.00.01	July 2015	≥ 05.04.00 / ≥ 05.00.21	- Bug fix
05.00.02	Sept. 2016	≥ 05.04.00 / ≥ 05.00.21	- Bug fix
05.00.03	Nov. 2016	≥ 05.05.00 / ≥ 05.00.22	- New DTM library for "Observer role" in DCS - Bug fix
07.02.01	Oct 2020	020100 0201	- First release Part of the DTM700
07.02.02	Jul 2021	02.02.00	- Ethernet features
07.02.03	Sept 2021	02.03.00	- APO features

- The device DTM supports the standard FDT 1.2 .

**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 supported)  
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..

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](http://www.abb.com/Instrumentation)

- Start the installation Wizard as follows:

- Right hand MouseClick with "run as Administrator"

<drive>:\.\3KXF410100S0202\_DTM\_FCXxxx\_HART.zip\  
3KXF410100S0202\_DTM\_FCXxxx\_HART\MID-001A\_DID-1AA4\Revision\_07.02.03\DTM FCXxxx HART.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 Information document before proceeding with DTM700 installation.

- Hints regarding new versions may be found under

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

## Flowmeter

### FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx

#### 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
- DTM window resizes when goes online/offline parameterization. Observed in AVB

#### 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](http://www.abb.com/measurement)

#### 2.9 Licensing the DTM

DTM500  
See DTM500 Bundle Supplement Info\*)

DTM700  
None

### 3 EDD

#### 3.1 Supported devices

CoriolisMaster FCB1xx, FCH1xx, FCB4xx, FCT4xx, FCH4xx, models

#### 3.2 EDD Version record / What is new?

Released Version	Released Date	Remarks
01 01	July 2016	First Release PDM only
01 01	July 2016	First Release for FCB1xx, FCH1xx HART 7
01 03	July 2018	HART 7 of FDI reg.
02 01	March 2020	Further HART com.
02 02	Apr 2021	Ethernet feature, FIM 2.1.2 low cost support
02 03	Jul 2021	Addition of Cor APO features

#### 3.3 Requirements

##### 3.3.1 Interpreter / compatibility

The EDD is released for PDM ≥ 8.1 SP2 and SDC625.

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

- latest information [*field device protocol dependent*]
- latest info (download) [*device type dependent*]
- Driver description
- Software [*driver type dependent*]

**Flowmeter**

**FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx**

**4 FDI Package (EDD based)**

**4.1 Supported devices**

FCB130, FCB150, FCB430, FCB450, FCT430, FCT450, FCH130, FCH150, FCH430, FCH450

**4.2 FDI ABB.Package Version record - What is new?**

Released Date	Package Version	EDD Released Version (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00)	UIP Changed UIP file count	Remarks (EDD, Attachment, UIP)
June 2016	01.00.00	01 02	FCxxx_256x256, OI_FCB100_FCH100_EN_C, OI_FCB400_FCH400_EN_A02	no	no	First release
August 2017	01.01.00	01 03	FCxxx_256x256, OI_FCB100_FCH100_EN_C, OI_FCB400_FCH400_EN_A02	no	no	update
July 2018	01.02.00	01 03	FCxxx_256x256, OI_FCB100_FCH100_EN_C, OI_FCB400_FCH400_EN_A02	no	no	FCG registered
August 2019	01.02.01	01 03	FCxxx_256x256, OI_FCB100_FCH100_EN_C, OI_FCB400_FCH400_EN_A02	no	no	Update
Oct 2020	01.04.00	01 04 (part of FDI)	FCxxx_256x256, OI_FCB100_FCH100_EN_D, OI_FCB400_FCH400_EN_D, 1AA001_fdi.pdf	no	No	FCG registered
March 2021	02.01.00	02.01	FCxxx_256x256, OI_FCB100_FCH100_EN_D, OI_FCB400_FCH400_EN_E,	Diagnostics_History_UIP.1.0.2.uip	yes	FCG registered
Apr 2021	02.02.00	02 02	FCxxx_256x256, CI_FCB400_FCH400_EN_G.pdf, COM_FCB400_FCH400_E_MB_EN_A.pdf, OI_FCB100_FCH100_EN_F.pdf, OI_FCB400_FCH400_EN_H.pdf	Diagnostics History UIP_1.0.3, Ethernet UIP.1.0.8	yes	Ethernet feature , FIM 2.1.2 low cost support
Jul 2021	02.03.00	02 03	FCxxx_256x256, CI_FCB400_FCH400_EN_G.pdf, COM_FCB400_FCH400_E_MB_EN_A.pdf, OI_FCB100_FCH100_EN_F.pdf, OI_FCB400_FCH400_EN_H.pdf	Diagnostics History UIP_1.0.3, Ethernet UIP.1.0.8	yes	Cor APO features

**4.3 Supported Languages**

The device Package supports English.

**4.4 Requirements**

FDI Technology Version 1.x.x

**4.5 Import / remove and configuration**

Start your EDD Host application and follow the instructions.

**4.6 Update- / Upgrade instructions**

**Flowmeter**

**FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx**

No

**4.7 Known problems and limitations**

None.

**4.8 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.

**4.9 How to get the latest information & software?**

Please check on FieldComm Group webpage [www.fieldcommgroup.org](http://www.fieldcommgroup.org)

Driver FCXxxx HART Family

CoriolisMaster

## Flowmeter

FCB1xx, FCH1xx, FCB4xx, FCH4xx, FCT4xx

3KXF410100R3901 Rev. K

---

---

### — ABB Measurement & Analytics

For your local ABB contact,

visit: [abb.com/contacts](https://abb.com/contacts)

For more product information,

visit: [abb.com/measurement](https://abb.com/measurement)



---

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.

©ABB 2022

All rights reserved.