

SIEMENS



MK8000 MP4.30 OPC server for subsystems



Release Notes

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1	Introduction	4
2	What's new in MP4.30 release	4
2.1.1	Software License.....	4
2.2	Defect corrections	4
3	Subsystem compatibility summary.....	5
4	Known issues	6
4.1	Installation	6
4.2	Configuration.....	7
4.3	Functionality	7
5	Documentation	8
5.1	DMS8000 Documentation Resource Information & Glossary	8
5.2	Sales documentation	8
5.3	Technical documentation	9
5.3.1	MK8000 documentation	9
5.3.2	OPC foundation documentation.....	11
6	Customer support links & resources.....	12
6.1	Siemens BT FS.....	12
6.2	Microsoft.....	12
6.3	Adobe Acrobat	12
6.4	OPC	12

1 Introduction

DMS8000 software **MP4.30** is now available for MM8000, MK8000, MT8001, and NK8000 products.

These release notes provide the characteristics of the new MK8000 software, including bug corrections and known issues. We recommend reading this document carefully before installing and using the software.

2 What's new in MP4.30 release

This section presents the enhancements provided in the new MK8000 software compared with previous MP4.20.

Group	Description
Subsystem Enhancements	Updated FS20 MP3.0 interface via MK8000 (OPC).
	Upon importing FS20 configurations, the SiBX file properties are stored in Composer and then used at runtime to detect and signal (anomaly event in MM8000) any subsequent misalignment.
	Support for FS20 MP3.0. Compatibility with previous versions (MP1.3 and MP2.1) maintained.
	Support for SPC5000/6000 MP2.0, including SPC V2.1.0 (SPC extended).
	Support for CS11 EP7F-Z4.
	Support for SiPass Integrated MP2.5 including ACC-2.
	Support for video VSS-SDK V2.5 interface for SISTORE range.
Miscellaneous Enhancements	Support for SISTORE MX 2.81.
	In BACnet networks, MK8000 is able to work as a foreign BACnet device.
	Support for a new CS1115/FC330A fire zone type for manual pushbuttons.
NK8000	Support for Remote DAS Folder structure (3502) in STT20 units.
	Support of NK823x extended functionality.
	Support of SWE6 serial protocol tunneling in NK822x for CS6 configuration tool.
Composer	CS1115/FC330 fire detection system is supported via serial connection to NK823x.
	It is possible to sort the Composer tree alphabetically (by name, by type, by CSX, ...).
	Automatic Project Update. Upon opening a project, Composer can detect the version and prompt users to upgrade old projects automatically.
	In the Projects Management dialog box, Composer displays the project version next to the project name.
	Composer is able to open and update projects from previous versions. Versions starting from MP3.15 are supported. Note: Projects version MP3.15 and MP3.20 are automatically updated. Projects version MP3.10 must first be updated to MP3.15, and then to MP4.30.
	Composer is able to open and save projects from previous versions (with no update). Versions starting from MP4.10-xx are supported.
	The confirmation box shown before importing metafiles in Composer has been removed.
	MK8000 can support restructuring of an FS20 system. You can change the fire system structure (e.g. add an FC20 panel to an FCnet) without losing the OPC engineering on MK8000.

2.1.1 Software License

New **MP4.30 License** is required.

2.2 Defect corrections

Various defects have been corrected in this software release. For a detailed report, please refer to the FS-DMS support site (see 6.1 at p. 12).

3 Subsystem compatibility summary

Control units	Notes about version supported	Connectivity and configuration notes	Further info. in DMS8000 documentation
FS20 Sinteso™	MP1.3, MP2.1 MP3.0	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425
FS720 Cerberus PRO™	MP1XS IP2	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CS11 AlgoRex® EP5 and EP7 FC700A	EP7F Z1, Z2, Z3, Z4	Direct link, Cerloop, and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CS1115 Phase 4 FC330A Phase 4	CISxx8.86	Direct link, NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
SIGMASYS C and M, D100	SIGMASYS V3.5, V3.7, V3.8 D100 V40-2 PLAN D100 export tool V7.2	NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
STT11		STT2410 and STT20 via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
STT2410 / STT20		via NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CZ10	Eprom on communication board: CZAX22.41 (Cerban) CZAX23.41 (Cerloop)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CC60	Eprom in U2 position: CCG001.05 (-19)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CZ12	Eprom on communication board: BKB002.08	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CS4	Eprom on communication board: CK402 V6B – CKP003.01 (BCD) CK430 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CS440	Eprom on communication board: CK440 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
XLS	V6.00.21 and higher, and the corresponding Zeus Tool V6.00	NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
CS6 Quarto™	MP3 MP3+	NK8000 (NK822x only)	Network, Fire & Intrusion Connectivity Guide: A6V10062425
SI410/420 Intrunet (no encryption)	Firmware F8-04, F8-05, F8-07, F09-22, and G1 (F9-22 or G1 is required for SMN42/43)	Direct link, NK8000, and IP connection	Network, Fire & Intrusion Connectivity Guide: A6V10062425
SPC Intrunet	SPC6000 MP1.1 SPC5000 and SPC6000 MP2.0, including V2.1.0 (SPC extended)	LAN	Network, Fire & Intrusion Connectivity Guide: A6V10062425
DMS7000 units including MM-IE2		Cerloop and NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425
SIPASST™	→ See MM8000 Release Notes	LAN	AC Connectivity Guide: A6V10062451
SIMATRIX 164; 648; SYS, SIMATRIX NEO		NK8000	Video Connectivity Guide: A6V10062457
SISTORE AX / MX / MX Pro / CX /SX DVR	→ See MM8000 Release Notes	LAN	Video Connectivity Guide: A6V10062457
TELSCAN		LAN	Video Connectivity Guide: A6V10062457
Stand-alone IP cameras (TELSCAN protocol)		LAN	Video Connectivity Guide: A6V10062457
DF8000 I/O (DF8003 or CF9003 + F8020/8040/8045/8046)		NK8000	Network, Fire & Intrusion Connectivity Guide: A6V10062425 DF8000 ICC: A6V10081388
Philips/Burle CCTV (LTC 8x00)		NK8000	Video Connectivity Guide: A6V10062457

Tab. 1 Subsystem equipment

4 Known issues

This is a list of known problems, limitations and bugs in MP4.30.

4.1 Installation

MS Windows 64-bit edition

Windows 2003 64-bit edition is not supported.

MS Windows Vista

The use of Windows Vista requires specific attention. Please note that:

- Vista introduced the new **UAC (User Account Control)**, a security-related feature that creates a number of warning messages. A manual UAC confirmation must be provided for MM8000 tool applications. Alternatively, UAC might be disabled. Refer to the MK8000 ICC manual (document no. A6V10062407).
- **Windows Vista Virtualization** creates a "per user" copy of system folders and registry keys and then redirects successive data operations. This feature causes no problem to MM8000 operations as long as you do not use system folders, such as **C:\Windows** or **C:\Program Files** to store any project information.
- Windows Vista does not officially support **MSDE 2000**. Use Microsoft SQL Express 2005 instead.
- On all PCs equipped with Windows Vista, we recommend to always keep a **free disk space of at least 15 GB**.

VMware

MM8000 MP4.30 has been tested with the following virtualisation software: **VMware Server, VMware Workstation** and **ESX**.

Note that the ESX virtualisation environment **does not directly support USB ports** that are needed for the MM800 license key. As recommended by VMware, the external network device AnywhereUSB® can be used to connect the USB keys.

SQL server

MM8000 requires SQL server 2000 or 2005. The free-of charge database "engine" package from Microsoft is sufficient: you can use both MSDE 2000 (MS SQL server Desktop Engine) and SQL Server Express 2005 (the latter also requires the SQL Backward Compatibility package).

If SiPass is installed on the same PC, then the MSDE installed by SiPass can also be used for MK8000.

SQL security

MSDE 2000 has a security weakness (the empty 'sa' password) that can be fixed by setting your SQL password with a special command available in:

<installation folder>\Utilities\Bat\SetSQLServerPassword.bat

Run this batch file adding your password as parameter (copy and paste the command line into the 'Start → Run' line, then enter the password and click 'OK').

Note: You can also edit this file and replace the "%1" field with your own password. Then save the file with another name (the original is read-only) and run it. Keep the new file in a safe place in case you need to refer to the new SQL password.

If MSDE was installed with SiPass, please follow the SiPass documentation concerning this issue.

Troubles with the hardware key

If after the installation the PAK manager cannot recognise the HW key, the sentinel drivers need to be installed manually. In this case launch the set-up located in:
 <installation folder>\PAK Manager\Sentinel Drivers\SSD5411-32bit
 and follow the instructions; when prompted, select the default installation.

4.2 Configuration

Clients not supporting DCOM





Clients not supporting DCOM require a script be installed on the client PC to create the illusion that the OPC server resides on the OPC client, and permits them to communicate effectively. This is provided with the software and is detailed in MK8000 Installation, Configuration, and Commissioning guide (A6V10062407).

DMS7000 metafile for CZ10 and CZ12

If a subsequent import is required, then the control unit name should be the same original name or the import will not work.

Cannot use USB service key and old parallel keys at the same time

In certain cases, two license keys can be used on the same machine to enable MK8000 and tools separately. Be aware that the old generation of keys (larger in size, see picture below) will not work properly when the USB key is also installed. In such cases, you will have to remove the USB dongle (i.e. the service key used for enabling Composer) when you need the MK8000 to recognise the parallel key.

Model	Picture	Can it be used together with USB?	Customer Key and + Service Key
New model		Yes 	USB key can be used with no side effect on the parallel-port key.
Old model		No 	USB key must be removed in order to get the parallel-port key to work again.

Untested NK823x with Burle-Philips video matrix

New in MP4.30

Due to unavailability of hardware for testing, the support of Burle-Philips video matrix on NK823x could not be verified.

4.3 Functionality

Adobe Acrobat writer/distiller

Installing MK8000 typically affects the behaviour of the Adobe Acrobat writer/distiller, which may not work properly any more, even uninstalling MM8000.

5 Documentation


Most documents were updated to include the new features added in MP4.30. Note the document numbers related to the new STEP numbering.

STEP documentation repository

On the Siemens intranet, the product documentation can be found in the STEP Documentation Repository. The STEP Web Client interface is available at the following address:

<https://workspace.sbt.siemens.com/content/00001123/default.aspx>

The following describes one way to search and find a document:

1. Click on the "STEP WEB Client" image 
2. Choose "04 Fire -3F" from the "Product Segment" box and select "Activate filter".
3. Select "All" in the Documents section of the Quick Search page and select "Advanced Search".
4. Enter the document number in the "Brochure No." field (e.g. A6V10062415 or 007121) and press "Enter".

Note: STEP provides no results when the number of found objects is equal to or greater than 200.

→ To learn about other ways to locate a document, see DMS8000 Quick Reference Guidelines for Search and Finding DMS Documents in STEP (A6V10064704).



Note: MK8000 documentation is delivered in PDF format only. You can find Word versions of all documentation in the STEP repository.

5.1 DMS8000 Documentation Resource Information & Glossary

Documentation Resource Information and Glossary (document no. A6V10089056)

This document is a guide to the following:

- Reference Documents: a complete list of all DMS8000 documents and how to access them.
- Roadmap to Documentation: target audiences can see which documents were created for them, and the purpose for each document.
- Customer Support links & resources: contact information for SBT FS Customer Support Centre and other convenient links.
- General Glossary: this contains global definitions of terms and acronyms used in DMS8000 documentation.

5.2 Sales documentation

Product Datasheet (document no. A6V10062405)

This is a brief technical sales document to be used for introducing the MK8000 to potential customers.

- This has been updated to reflect the new subsystems and network solutions available.

Sales Guide (document no. A6V10061910)

It contains background information about the target market for the MK8000, potential pitfalls to avoid, and some sales arguments.

- The sales guide is unchanged from 1.10.

Sales Presentation (document no. A6V10219113)

This is a brief PowerPoint presentation that can be used as is, or modified for client presentations. It provides an overview of the MK8000 system.

- The sales presentation is unchanged from 1.10.

DMS8000 Application & Planning (document no. A6V10063710)

This document contains a brief discussion of product marketing strategy for all FSP-DMS products, and a moderate level of detail about the architectural configurations supported.

5.3 Technical documentation

5.3.1 MK8000 documentation

Release Notes (document no. A6V10062455_a_en)

This document outlines what's new and different about MP4.30 and how that affects your work.

MK8000 Installation, Configuration and Commissioning (ICC) (document no. A6V10062407_a_en)

The ICC guide provides step-by-step procedures for installation and configuration of the MK8000. During configuration, this manual should be used in tandem with the DMS8000 Connectivity Configuration guides.

The installation checklist at the end of the document is intended to be used as an aid in gathering information from the customer prior to beginning configuration.

DMS8000 Connectivity Configuration Guide:

- Network, Fire, and Intrusion (documents no. A6V10062425_a_en)

The DMS8000 Network Fire and Intrusion Configuration guide contains information about installing Composer, connecting and activating the hardware (dongle) key, setting up a new project, and configuring the networks and subsystems supported by DMS8000 products. This should be used in conjunction with the ICC guide.

Composer Technical Manual document no. A6V10062401_a_en)

This guide explains how to use Composer in general. It provides a reference to commands and instructions used during the system configuration.

Maintenance & Troubleshooting

Note: This document is no longer provided. Please refer to the on-line support services (see next section).

Release Notes (document no. A6V10062453_a_en)

This document. It includes all information concerning MK8000 MP4.30.

Subsystem Interface Specifications (various documents)

Interface specifications are available for the supported subsystems. Detailed list is provided in the Documentation Resource Information document.

The list of changes in MP4.30 includes:

1	<p>019_DMS_MK8000_Interface_Spec_CC11ep7-FC700A_Model_V1.07_007546_f_en.pdf</p> <ul style="list-style-type: none"> - New FD20 elements (HWDADCAD, HWNODCCO, HWDAICGE, FIDEDEAD) - Missing states/commands are now included in FIDEDECO & HWNODCAD - Quiet objects (with no states/commands) now documented - The document applies to both CS11 EP7 and FC700A
2	<p>019_DMS_MK8000_Interface_Spec_FC330A-CS1115_Model_V2.00_009842_b_en.pdf</p> <ul style="list-style-type: none"> - New Model V2.00 - New objects added for Manual Fire Zones (FIDEZOMA) and Manual Detectors (FIDEDEMA). - Quiet objects (with no states/commands) now documented - The document applies to both FC330A and CS1115
3	<p>019_DMS_MK8000_Interface_Spec_FC20-FC720_Model_V1.07_A6V10097200_d_en.pdf</p> <ul style="list-style-type: none"> - New Model V1.07 (FC20 V3.0) - Modifications to objects : FIDEAPMN, BSDEINEL, FIDEDEGE, FIDEDEWR, FIDECPGE, FIDECPWR, FIDEDECO, BSCOBIEL, BSCOINEL, BSCOOUEL, FICOOUEL, BSEXDCSP, GSDEDEGE, FIDAOUEL - New objects: HWCOICGE, FIDEDCPH, HWEXEXGE, FIDEHCMN, HWNONOKC, HWNOCCPM, HWNOSIPM - Quiet objects (with no states/commands) now documented - The document applies to both FC20 and FC720
4	<p>019_DMS_MK8000_Interface_Spec_SPC_Model_V2.00_A6V10238660_b_en.pdf</p> <ul style="list-style-type: none"> - New Model V2.00 - New Lock Supervision Zone - Quiet objects (with no states/commands) now documented
5	<p>019_DMS_MK8000_Interface_Spec_NK823x_Model_V1.01_A6V10315224_a_en.pdf</p> <ul style="list-style-type: none"> - V1.01 model for new NK823x units, including dual Ethernet and onboard I/O
6	<p>019_DMS_MK8000_Interface_Spec_SI410_Model_V1.07_008597_e_en.pdf</p> <ul style="list-style-type: none"> - Quiet objects (with no states/commands) now documented
7	<p>019_DMS_MK8000_Interface_Spec_CS6_Model_V1.02_007545_g_en.pdf</p> <ul style="list-style-type: none"> - Quiet objects (with no states/commands) now documented
8	<p>019_DMS_MK8000_Interface_Spec_Sipass_Model_V2.02_008607_c_en.pdf</p> <ul style="list-style-type: none"> - Quiet objects (with no states/commands) now documented
9	<p>019_DMS_MK8000_Interface_Spec_SISTORE_Model_V1.06_009428_e_en.pdf</p> <ul style="list-style-type: none"> - New Model V1.06 - Changes in CCCOAPMN object - Quiet objects (with no states/commands) now documented

5.3.2 OPC foundation documentation

OPC Common 1.10

This is the specification of rules, design criteria and interfaces that are common to developers of OPC clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

OPC DA 2.05a (Data Access Interface Specifications)

This is the interface specification for developers of OPC Data Access clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

- The MK8000 OPC Server supports the required COM interfaces described in the OPC Data Access Custom Interface Standard V 2.05 – section 3.1.

Using OPC via DCOM with XP SP2.pdf

This technical note contains information about OPC network operations with Windows XP SP2. This Windows release includes a new firewall designed to prevent malicious attacks to the computer. Due to this feature, a special setting is required to enable OPC network communication (DCOM).

6 Customer support links & resources

6.1 Siemens BT FS

Our Customer Support Center intranet site at:

https://intranet10.sbt.siemens.com/about_bt/Business_Units/fs/Customer+Support+Center/?languagecode=en

provides useful information and links. In the Online Support section of this intranet page, software downloads and known product issues can be found in the PSP (password-protected Product Support Platform).

→ The support mailbox is: fs.support.sbt@siemens.com.

6.2 Microsoft

General support about Microsoft Windows can be found at:

→ <http://support.microsoft.com/directory/>

6.3 Adobe Acrobat

To view the PDF document is necessary to install the program Adobe Acrobat Reader. You can find its free version at:

→ <http://www.adobe.com/products/acrobat/readstep.html>

6.4 OPC

The OPC Foundation at www.opcfoundation.org is a great resource for documentation and the latest information on OPC.

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