

SIEMENS



MK8000 MP4.50 **OPC server for subsystems**



Release Notes

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1 Introduction

DMS8000 software **MP4.50** 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 MP4.50 release

This section presents the enhancements provided in the new MK8000 software compared with previous MP4.40.

Group	Description
Bosch Support	Support for Bosch Divar 700 Series recording using new Bosch Video SDK
Bosch Support	Support for Bosch Divar 700 Series using new Bosch Video SDK
Bosch Support	Support for Bosch BVIP products using new Bosch Video SDK
Bosch Support	Support for video recording on Bosch BVIP products using the VRM system
CCTV Enhancements	User interface Improvements in supporting Light Integrated Devices
Configuration Enhancements	Improved object customization
Configuration Enhancements	BACnet ID Check on FS20 Re-import
Configuration Enhancements	Free Composer with basic functionality
Nk823x Logging Support	Support and management of NK823x memory expansion on USB for communication logging
Nk823x Logging Support	Remote access to NK823x logging data (upload) from Composer and NW8204 tool
Nk823x Support	New Linux Kernel Version
Nk823x Support	Support for additional NK823x information in the Utility tab node
Nk823x Support	Dual CEI 79-5 upstream connectivity on NK823x
Nk823x Support	Configurable BACnet ID's on NK823x
Nk823x Support	Warning message for BACnet ID's >65533 on NK823x)
Nk823x Support	Routing between ETH1 and ETH2 with optional firewall functionality
Nk823x Support	Firewall functionality
Nk823x Support	Upgrade support of NK822x and NK823x based on NKM8001-A1 and NKM8001-A2 mainboards
Nk823x Support	Backward compatibility of NK823x MP4.50 with older DMS8000 installations
Subsystem Enhancements	Support for STT20 via BACnet (FCGW20)
Subsystem Enhancements	Support for SiPass integrated MP2.6
Subsystem Enhancements	Support for Sinteso FS20 MP4.0 / Cerberus PRO FS720 IP 4.0
Subsystem Enhancements	Silence / Unsilence Commands of FS20/FS720
Subsystem Enhancements	Support for Sinteso FS20 MP4.0 / Cerberus PRO FS720 IP 4.0 in DMS8000 via NK823x
Subsystem Enhancements	Improvement of XLS support on NK822x and NK823x
Subsystem Enhancements	Intrusion Control Panel SPC5000/6000 MP3.2.2
OPC	New OPC Specifications documents about Objects reporting the status of MM8000 Users, Stations. Manual Triggers
OPC	Updated OPC Specifications for SPC, STT20, FC20/FC720, and NK823x

2.1.1 Software License

New **MP4.50 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; MP3.0 SR2 MP4.0	LAN; NK8000 LAN	Fire Connectivity Guide: A6V10359481
FS720 Cerberus® PRO	MP1XS IP2; IP3/MP3.0 SR2 IP4.0	LAN; NK8000 LAN	Fire Connectivity Guide: A6V10359481
CS11 AlgoRex® EP5 and EP7 FC700A	EP7F Z1, Z2, Z3, Z4, Z5	Direct link, Cerloop, and NK8000	Fire Connectivity Guide: A6V10359481
CS1115 Phase 4 FC330A Phase 4	CISxx8.86	Direct link, NK8000	Fire Connectivity Guide: A6V10359481
SIGMASYS C and M, D100	SIGMASYS V3.5, V3.7, V3.8 D100 V40-2 PLAN D100 export tool V7.2	NK8000	Fire Connectivity Guide: A6V10359481
STT11		Cerloop and NK8000/Cerloop	Fire Connectivity Guide: A6V10359481
STT2410			Fire Connectivity Guide: A6V10359481
STT20	STT20 V2 (for CS11 Cerloop)	NK8000/Cerloop	Fire Connectivity Guide: A6V10359481
	STT20 V5 (for FC20 BACnet)	LAN	Fire Connectivity Guide: A6V10359481
XLS	V6.00.21 and higher, and the corresponding Zeus Tool V6.00	NK8000	Fire Connectivity Guide: A6V10359481
CZ10	Eprom on communication board: CZAX22.41 (Cerban) CZAX23.41 (Cerloop)	Cerloop and NK8000	Fire Connectivity Guide: A6V10359481
CC60	Eprom in U2 position: CCG001.05 (-19)	Cerloop and NK8000	Fire Connectivity Guide: A6V10359481
CZ12	Eprom on communication board: BKB002.08	Cerloop and NK8000	Intrusion Connectivity Guide: A6V10359489
CS4	Eprom on communication board: CK402 V6B – CKP003.01 (BCD) CK430 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Intrusion Connectivity Guide: A6V10359489
CS440	Eprom on communication board: CK440 V9 – CKP041.01 (HEX)	Cerloop and NK8000	Intrusion Connectivity Guide: A6V10359489
CS6 Quarto™	MP3 MP3+	NK8000 (NK822x only)	Intrusion Connectivity Guide: A6V10359489
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	Intrusion Connectivity Guide: A6V10359489
SPC Intrunet	SPC5000 and 6000 MP2.1 SPC5000 and 6000 MP3.2.2	LAN	Intrusion Connectivity Guide: A6V10359489
DMS7000 units including MM-IE2		Cerloop and NK8000	Fire Connectivity Guide: A6V10359481
SIPASS™	→ 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 Connectivity Guide: A6V10359485 DF8000 ICC: A6V10081388
Philips/Burle CCTV (LTC 8x00)		NK8000	Video Connectivity Guide: A6V10062457
Generic DVR	External Viewer OPC	LAN	Video Connectivity Guide: A6V10062457 OPC Connectivity Guide: A6V10065253 Generic DVR Integration Guide: A6V10331273

4 Known issues

This is a list of known problems, limitations and bugs in MP4.50.

4.1 Installation Issues

MP4.50 and earlier

Pre-installed Windows

The use of pre-installed Windows systems including additional utilities and trial software is not recommended due to potential incompatibilities with MK8000. A new and clean Windows installation is recommended to provide maximum reliability.

MS Windows Server 2008

In case Windows XP client stations are used, note that the Windows 2008 server environment must be set in Windows 2003 domain mode. Windows 2008 domain should only include Windows Vista/7 client stations.

MS SQL Server 2008 R2

MM8000 supports MS SQL Server 2008 R2 32-bit edition, even on Windows 64-bit platforms.

SQL Server Remote Authentication Security

The remote SQL Server authentication security cannot be used (mm8000dbmng server fails to create the SQL DB) and should not be selected in the Setup procedure and in the Engineering tool unless the password only includes digits and no other alphanumeric characters.

VMware

MK8000 has been tested with the following virtualisation software:

- VMware Server V1.04
- VMware Workstation V5.5
- ESX V3.5

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.

Troubles with the hardware key

If after 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.

Demo mode stops after 2 hours

Note that a system that starts in demo mode will stop operating after 2 hours even if a valid license is installed during demo operations. Always restart the server after installing the license so that to enable the licensed mode.

New in MP4.50 and earlier

4.2 Configuration issues

Composer runs very slowly after installations on Windows 7

Composer response can be quite slow when it is used just after the package installation on Windows 7. Restarting the PC can solve this difficulty.

Clients not supporting DCOM

Clients not supporting DCOM require a script to 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.

Untested NK823x with Burle-Philips video matrix

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

4.3 Runtime issues

Adobe Acrobat writer/distiller

Installing MK8000 typically affects the behaviour of the Adobe Acrobat writer/distiller, which may no longer work properly, even after uninstalling MK8000.

5 Documentation

Most documents were updated to include the new features added in MP4.50. Note the document numbers related to the new STEP numbering.

Documentation resource information

The *DMS8000 Documentation Resource Information and Glossary Guide* assembles important information regarding documentation resources. This document contains the following:

- Comprehensive definitions of the target audiences for Siemens FS DMS documents
- Training program information including the Siemens intranet link
- A complete list of all available DMS8000 documents
- Instructions for how to obtain a document via the Siemens intranet using the Siemens Asset Portal
- A map of relevant documents for each target audience group
- Customer Support links & resources
- A glossary containing definitions of all terms and acronyms used in DMS8000 documentation

To access the *DMS8000 Documentation Resource Information and Glossary Guide* (document no. A6V10089056), go to the link and follow the document search instructions below:

<http://assetportal.bt.siemens.com/portal/index.html>

1. In the Search column on the left, set:
 - Segment: **04 Fire -3F**
 - Document Type: **All**
 - Image Type: **All**
 - Advanced search criterias: Select **Brochure No.** and enter the document number to search for (e.g. A6V10062415). Alternatively, select **Title** and enter the product name (e.g. MM8000).
2. Click **Search** to start.
3. In the resulting area on the right, select the document type (e.g. Contacts, Data Sheet, etc).

For more information such as Siemens news and announcements, visit the STEP Web portal at:

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



Note: MK8000 documentation is delivered in PDF format only. You can find Word versions of all documentation in the Siemens Asset Portal 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 MP1.10.

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.

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 MP4.50 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 Guides:

- Network (document no. A6V10359485)
- Fire (document no. A6V10359481)
- Intrusion (document no. A6V10359489)
- Access (document no. A6V10062451)
- Video (document no. A6V10062457)

The DMS8000 Connectivity Configuration guides contain information about configuring networks and subsystems supported by DMS8000 products. These guides should be used in conjunction with the ICC guide.

New in MP4.50

The Network, Fire and Intrusion Guide, that used to be a single document, is now organized in three separate guides.

Composer Technical Manual document no. A6V10062401)

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)

This document. It includes all information concerning MK8000 MP4.50.

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 MP4.50 includes:

1	<p>019_DMS_MK8000_Interface_Spec_STT20_Model_V1.03_009847_c_en.pdf</p> <ul style="list-style-type: none"> - New Battery BSCOPSAX - New Mains BSCOPSMN - New Horn BSCMHOGE - New Evacuation mode BSCOORGE - New Activation Mode BSCOALGE - New Rearming Function BSCOZOLO
2	<p>019_DMS_MK8000_Interface_Spec_FC20-FC720_Model_V1.08_A6V10097200_f_en.pdf</p> <ul style="list-style-type: none"> - New FC2080 FIDEAPMN - New FG2020 FIDEAPMN - New Fsd Input Log Channel FIVDINGE - New Fsd Output Log Channel FIVDOUGE - New Releasing Control Group FIEXZOAX - New Control LED FICOOUSU - New LED output FICOOUGE - New Releasing output channel FIEXOUEL - New CPU Module HWNOPOGE - New RtModule HWCRCGGE - New Firmware Submodule HWCOPGGE - New Verification walk-test FIDEVFGE - New Standard Gas Zone GSDEZOAU - Manual state added to all Zones, Section, and Area to represent the walk test. <p>The document applies to both FC20 and FC720</p>
3	<p>019_DMS_MK8000_Interface_Spec_NK823x_Model_V1.03_A6V10315224_c_en.pdf</p> <ul style="list-style-type: none"> - New Pre-alarm state due to USB logging error in NK823x HWCMPAMN

4	019_DMS_MK8000_Interface_Spec_SPC_Model_V2.02_A6V10238660_d_en.pdf <ul style="list-style-type: none"> – New Fault Zone INNOZOFL – New Seismic Zone INBUZOKC – New states in I/O Expander INNOIBET – New states in Analyzed I/O Expander INNOIBSV
5	019_DMS_MK8000_Interface_Spec_Station_Model_V1.03_A6V10372963_a_en <ul style="list-style-type: none"> – New document (Objects reporting the status of MM8000 stations in MM8000+MK8000 systems).
6	019_DMS_MK8000_Interface_Spec_Users_Model_V1.01_A6V10374687_a_en.pdf <ul style="list-style-type: none"> – New document (Objects reporting the status of MM8000 users in MM8000+MK8000 systems).
7	019_DMS_MK8000_Interface_Spec_Manual_Trigger_Model_V1.01_A6V10373996_a_en.pdf <ul style="list-style-type: none"> – New document (Objects reporting the status of MM8000/MK8000 manual triggers).

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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Section 2