

**PRODUCT INFORMATION**  
**LOCKING SYSTEM MANAGEMENT 3.4**

**BASIC**  
**BASIC ONLINE**  
**BUSINESS**  
**PROFESSIONAL**

**VERSION DATE: JANUARY 2018**

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PRODUCT INFORMATION  
 LSM 3.4 Basic, Basic Online, Business, Professional

# 1.0 PRODUCT INFORMATION

## 1.1. LOCKING SYSTEM MANAGEMENT 3.4

The screenshot displays the 'Locking System Management' software interface. The main window shows a matrix of access permissions for various users across different areas and door types. The interface includes a menu bar, a toolbar, and a sidebar with navigation options.

**Transponder groups (Left Sidebar):**

- [System group]
- Besuch Unterfoehring / Visitors Unterfoehring
- Biometrienutzer / Biometric users
- Catering
- Entwicklung / Development
- Leitung Entwicklung / Leadership R&D
- LSM
- Marketing
- Petersberg
- PinCode
- Productmanagement
- Reg.VLs / Reg. Sales leader Germ
- Servicetechniker / Service engineer
- Sonstige / Miscellaneous
- TRA.SCHALT
- USA
- Vertrieb / Sales Dubai
- Vertrieb / Sales England
- Vertrieb Asia / Sales Asia
- Vertrieb Deutschland / Sales Germany
- Vertrieb Frankreich / Sales France
- Vertrieb Italien / Sales Italy
- Vertrieb Niederlande / Sales Netherland
- Vertrieb Österreich / Sales Austria
- Vertrieb Spanien / Sales Spain
- Vertrieb weltweit / Sales world wide
- Vertriebsinnendienst / Inhouse department
- Vorstand / Managing Board

**Areas (Bottom Left Sidebar):**

- [System area]
- Insel 1 / Island 1
- Insel 2 / Island 2
- Insel 3 / Island 3
- Insel 4 / Island 4
- Tower
- Vorhangschlösser / Pad locks

**Main Matrix (Right):**

NAME (DOORS/LOCKS)	PB	N	DM	NAME (PEOPLE)																	
				LSM	Productman:	Sonstige / Miscellaneous															
				Helmut, Mayer	Isklar, Deniz	Kühnl, Robert	Maier, Nikolaj	Stefan, Strempel	Gneisse, Lars	Hinz, Michael	Hund, Michael	Weber, Thomas	1. Gast / Guest	2. Gast / Guest	3. Gast / Guest	4. Gast / Guest	5. Gast / Guest	6. Gast / Guest	7. Gast / Guest	8. Gast / Guest	9. Gast / Guest
1.1 Beschlag aktiv / door furniture active	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.1 Biometriesleser / biometric reader	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.2 SREL Gateway E-Öffner / electr. door strike	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.3 Comfort Cylinder mit / with TRA.SCHALT	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.3 Netzwerk Inside / Network inside	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#1				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#2				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#3				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#4				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#5				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#6				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#7	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 SREL Lifttableau / lift panel_Mod#0_Out#8				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Besprechung links / Meeting room left	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Besprechung links / Meeting room left DnD				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Besprechung rechts / Meeting room right	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Besprechung rechts / Meeting room right DnD				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Büro / Office	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Eingang Küche / Entrance kitchen	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hintertür Küche / Back door kitchen	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lager / Storage	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lounge	⚡			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lounge DnD				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Figure 1 – Example system in LSM 3.4

## 1.2. SHORT PRODUCT DESCRIPTION

Version 3.4 is a consequent further development of the LSM software series. The software supports new hardware components and offers extended functions.

Fundamental new features:

- High-performance virtual network thanks to support for the new SmartRelay 3 Advanced
- Supports SmartHandle AX (once hardware becomes available)
- "Smart.Surveil" door monitoring tool
- Automated registration process

Improvements have also been made to stability and operational reliability and further functions added to the application software.



**Controller unit**



**External reader unit**

**Figure 2 – SmartRelay 3 Advanced**

## 2.0 PRODUCT ENVIRONMENT

### 2.1. SYSTEM REQUIREMENTS

- Local administrator rights for installation
- Communication: TCP/IP (NetBios active), LAN (recommended: 100 MBit) (NetBios can be disabled under certain conditions)
- Windows domain (not required for single workstation installations)
- Name resolution
- .NET Framework: at least 2.0 for LSM and 4.0 for CommNodeServer (CNS)
- USB port(s):

#### CLIENT (LSM STARTER, LSM BASIC, LSM BUSINESS, LSM PROFESSIONAL)

- Monitor at least 48 cm (19") (or larger to display the matrix screen) for large systems → recommended
- Screen resolution at least 1,024 x 768; recommended: 1,280 x 1,024
- Processor: at least 2.66 GHz (or faster)
- At least 2 GB RAM
- Hard disk size: about 500 MB (about 1 GB during installation); database depends on the volume of the processed data (about 30 MB)
- MS Windows 7/8/8.1/10 (Professional), 64 bit

#### SERVER (DATABASE SERVER WITH LSM BUSINESS AND HIGHER)

- Processor: at least 2.66 GHz
- At least 2 GB RAM
- Hard disk size for program: about 500 MB (about 1 GB during installation); database depends on the volume of the processed data
- MS Windows Server 2008, 2008 R2 or 2012, 2016
- .NET Framework at least 4.0 when using the CommNode Server
- Server-based application: needs to be enabled for the ADS server (Advantage Database Server Version 11) for the database directory
- Virtual environments: Microsoft HyperV, VMware VSphere Client Version 5.1.0, VMware ESXi Version 5.1.0

#### IDENTIFICATION MEDIA

Active media: SimonsVoss G1 and G2 transponders

Passive media: MIFARE Classic, MIFARE DESFire and MIFARE Plus technology

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## 2.2. REGISTRATION

LSM Basic Online, LSM Business and LSM Professional must be registered by licensing their associated modules. Since this is a clean installation, existing customers also need to register (customers who already have LSM 3.3 SP1, 3.2 or older).

Registration is automated initially: the customer needs to enter the order number and the consignment number to register. If the details match, an automatic email is generated containing the licence file.

## 2.3. DEPENDENCIES

LSM software components LSM Mobile PC/DA, CommNode Server, VN Host Server, VNAdministrator, Smart.XChange, SIK/SIK.Console and transponder terminals are available in versions which are compatible with LSM 3.4. Installation must be launched separately for some of these components.

The VNHost Server service is also installed for projects with a virtual network which are operated using SmartRelay 3 Advanced as a gateway.

## 2.4. INFORMATION ON INSTALLATION

A clean installation is required for LSM 3.4. The old version needs to be uninstalled first before installing LSM 3.4.

## 3.0 RELEASE NOTES

### 3.1. SUMMARY

- Support for new components:
  - SmartRelay 3 Advanced
  - SMARTHANDLE.DM with time-controlled return function
  - SmartHandle AX
- High-performing virtual network with SmartRelay 3 Advanced, i.e.
  - Rapid, unrestricted transfer of authorisation changes via TCP/IP
  - No special VN mode is required, so locking devices can also be programmed offline or networked locking devices can be integrated.
- Smart Output module can be used in a G2-only system (in combination with SREL 3 Advanced)
- Smart.Surveil as separate program for monitoring door statuses – see Section 4
- Selected locking IDs easily transferred to locking devices with transponder/card
- Assignment of a time budget for transponders/cards in offline systems
- "Automatically recognise G2 card" function. Cards are detected and selected automatically when placed in position to be programmed.
- Consignment number registered and displayed automatically under Help >> Registration
- New card configurations: MC2400L\_AV. MIFARE classic with 2,400 locking devices + VN and physical access list; MD2500L\_AV. MIFARE Desfire with 2,500 locking devices + VN and physical access list
- LSM Business: the ADS server can also be installed on Windows 10 and Windows Server 2016
- Bug fixes → error corrections to the software
- Internal version number for LSM 3.4 (3.4.01217)

### 3.2. OTHER INFORMATION

The following components are not contained in the release and will be provided at a later date: SIK, SIK.Console, Smart.XChange.

## 4.0 SMART.SURVEIL

### 4.1. DESCRIPTION

Smart.Surveil is a self-contained software tool for monitoring door statuses. It clearly depicts all DoorMonitoring locking components, their statuses "open", "closed", "locked", "securely locked" and "open too long", and any manipulation alarms.

Functions:

- Monitoring groups: doors can be combined into one monitoring group. A target status (e.g. securely locked) and an optional time is assigned to the groups, so that any deviating doors are shown immediately.
- Filter functions
- Actions for individual or several doors (e.g. activate, deactivate, remote opening, emergency release)
- View in building plans

The screenshot displays the Smart.Surveil software interface. At the top, there is a header with the logo and the text 'SMART.SURVEIL'. Below this, the main area is titled 'TÜREN ÜBERWACHUNGSGRUPPEN' and features the SimonsVoss technologies logo. The interface includes a table of door monitoring data, a sidebar for active monitoring groups, and a filter section.

<input type="checkbox"/>	Tür	Gbd	Etg	Türzustand	Überwach...	Info	Letzte Aktualisie..
<input type="checkbox"/>	Haupteingang	UF	0	Tür ist geschlossen	aktiv		2017-05-23 13:21:46
<input type="checkbox"/>	Personalbüro	UF	4	Tür wurde aufgebrochen	aktiv		2017-05-17 15:45:21
<input type="checkbox"/>	Serverraum	EP	1	Tür zu lange offen	aktiv		2017-05-23 09:35:30

**Aktive Überwachungsgruppe**

Name:

Soll-Zustand:

Überwachungsintervall:

**Filter**

- Alles an-/abwählen
- Abweichung Soll-Zustand
- Tür ist geschlossen
- Tür ist verriegelt
- Tür ist sicher verriegelt
- Tür ist offen
- Tür zu lange offen
- Unbekannter Zustand
- Fehler

Version 3.3.2252



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#### 4.2. SYSTEM REQUIREMENTS

- Supported locking devices: DoorMonitoring cylinder, DoorMonitoring Smarthandle, Lock-Node Radio/Cable
- Operating system: Windows 7/8/10
- Min. screen resolution: 1280x1024
- LSM Edition: LSM Basic Online/LSM Business/LSM Professional – all Version 3.4 or higher
- Installation
  - LSM Basic Online: installation on the same PC as LSM
  - LSM Business/Profession: installation on separate PC or Window tablet possible. This PC must have access to the database server. One ADS licence is required per client.