



MobileKey

System description

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1. Introduction

MobileKey is a web-based locking system. With MobileKey you can manage up to 20 locks and up to 100 users, among others:

- Allow users to access through a door (grant access authorisation)
- Making access authorisations time-limited

You do not need to install any applications. Alternatively, you can use standard browsers to call the Web app platform-independently: Weatherproof design (.WP)

- PC
- Mac
- Tablet
- smartphone

In the web app, you create your locking plan to suit your individual requirements and save it on a security server with web service. The web service automatically generates the locking plan data for your locks and keys and makes them available to programme your components. You programme the components using a USB programming stick, which you connect either to a PC/Mac or to a Tablet/Smartphone with an OTA-enabled USB port.

As an alternative to the web app, apps for iOS and Android with limited access are also available. You can manage your MobileKey locking system on the go and receive system messages.

Online upgrade

The online extension connects your components directly to the web service via an access point (the MobileKey SmartBridge). The SmartBridge regularly checks whether the Web service has provided new locking plan data for programming. If new locking plan data is available, all MobileKey components that are assigned to the SmartBridge and have the online extension are automatically programmed wirelessly.

You no longer have to programme these components manually with the USB programming stick. In addition, the online extension allows you to access other functions, such as

- allowing users temporary access through a door even without a key
- opening doors remotely
- logging accesses
- tracking events



NOTE

Offline fallback level for networked locks

All functions of the online extension (including Key4Friends) are designed only as an extension and not as a replacement for the offline functions. They are not a replacement for persons with permanent authorizations or as exclusive access authorization at security-critical doors and access points.

- ❖ Therefore, when extending our standard system online (offline), especially when using it with Key4Friends or remote opening, always provide one or more offline backups (PinCode keypad (offline), transponder).
- ↳ These physical identification media communicate directly with the locks. They ensure access to the corresponding doors and access points at all times and independently of the network.

2. System components

2.1 Locking devices

The locks check the authorisation of a user.

- If you have authorised the user, he can unlock the lock.
- If the user does not have authorisation, he cannot unlock the lock.

In the Web app, you use schedules and authorisations to define which users can unlock which locks and when. In addition, the standard available logging shows you which users have unlocked which locks and when.

2.1.1 Locking cylinder

MobileKey locking cylinders are electronic locking cylinders according to DIN 15684 with a European, Swiss or Scandinavian profile. The locking cylinders are wireless. You do not need a drill bit or special tools for the initial assembly or retrofitting of MobileKey locking cylinders.

They are available in the following versions:

- Freely rotating (both sides turn without authorisation)
- Comfort (One side turns without authorisation, the other side is mechanically fixed to the locking cam)
- Half cylinder (only one thumb-turn that turns without authorisation)

You can also choose from the following features:

- Weatherproof version
- Anti-panic
- DoorMonitoring
- Push-button control with integrated door monitoring (opening on the inside of free-rotating cylinder possible without transponder)
- Integrated LockNode for networking

Thanks to their outstanding technical features, the locking cylinders are well suited for numerous installation situations:

- 500 access events can be logged
- Thumb-turn diameter only 30 mm
- Long battery life (up to 300,000 locks or up to ten years standby) for virtually maintenance-free operation
Battery type: 2x lithium button cell CR2450
- Protection class IP54 (weatherproof version IP66)

Door monitoring

With the sensors of the DoorMonitoring cylinders you have the condition of the door at any time in the view:

- Door open
- Door is closed (but not locked)
- Door locked (bolt extended)
- Door locked
- Door open too long

The sensors in DoorMonitoring cylinders register every change in the status of the locking cylinder and forward the status to the Web app. You can check the condition there at any time.

Retrofittable LockNode

You can also network the locking cylinders at any time by retrofitting the separately available LockNode.

2.1.2 SmartRelay

MobileKey smart relays are electronic card readers with relay output. The reading range is up to 120 cm. Depending on your individual installation situation, you can install the SmartRelays flush mounted or surface mounted. For operation you need a power supply with 9-24 V_{DC} and at least 3.6 W.

2.2 Key

With the key, the lock recognises whether a user is authorised to use the lock.

2.2.1 Transponder

MobileKey transponders are electronic radio keys with which you can open the MobileKey locks.

You can rely on your transponders:

- Weatherproof (IP65)
- Battery life up to 400,000 openings or up to ten years standby.

2.2.2 PIN code keypad

The MobileKey PIN code keyboards are electronic keyboards with which you can open the MobileKey locks. With its wide range of mounting options, the PIN code keyboard is suitable for a wide variety of applications:

- Cable-free

- Can be used on various substrates (including glass)
- Weatherproof (IP65)

There are two versions of the PIN code keyboard to choose from, depending on your specific needs:

- PIN code keypad
- PIN code keyboard online

The main difference is that the PIN code keyboard is a stand-alone device that directly communicates with the locks, while the PIN code keyboard ONLINE first sends the entered PINs via the network to the SmartBridge and then to the SimonsVoss server. The server checks the PIN entered for accuracy and, if necessary, sends a command to open the lock via the SmartBridge.

2.3 SmartBridge

The SmartBridge provides the network in which your network-capable MobileKey components communicate. The SmartBridge receives programming tasks from the SimonsVoss server and programmes the locks.

The following is required for operation:

- RJ45 Ethernet connection with Internet connection
- Power supply unit with 9-32 V_{DC} and at least 3.6 W or PoE network connection (802.3af)

The SmartBridge then provides a wireless network (868 MHz) with a range of up to 30 meters (depending on the environment).

3. Help and other information

Information material/documents

You will find detailed information on operation and configuration and other documents on the website:

<https://www.simons-voss.com/en/documents.html>

Declarations of conformity

You will find declarations of conformity and other certificates on the website:

<https://www.simons-voss.com/en/certificates.html>

Technical support

Our technical support will be happy to help you (landline, costs depend on provider):

+49 (0) 89 / 99 228 333

Email

You may prefer to send us an email.

support-simonsvoss@allegion.com

FAQs

You will find information and help in the FAQ section:

<https://faq.simons-voss.com/otrs/public.pl>

Address

SimonsVoss Technologies GmbH
Feringastr. 4
D-85774 Unterfoehring
Germany



This is SimonsVoss

SimonsVoss, the pioneer in remote-controlled, cable-free locking technology provides system solutions with a wide range of products for SOHOs, SMEs, major companies and public institutions. SimonsVoss locking systems combine intelligent functionality, high quality and award-winning design Made in Germany.

As an innovative system provider, SimonsVoss focuses on scalable systems, high security, reliable components, powerful software and simple operation. As such, SimonsVoss is regarded as a technology leader in digital locking systems.

Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide (www.allegion.com).

Made in Germany

SimonsVoss is truly committed to Germany as a manufacturing location: all products are developed and produced exclusively in Germany.

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