

# Mobile access / pin code / remote unlock

## 1) The mobile access

As the evolution of technology has brought the need to hotels for mobile access, Saimon Bros not only provides upgrades to its customers, but also gives the same opportunity for customers who have electronic locks from other brands.

That's our diversity!

## 2) Mobile access / pin code / remote unlock

For hotels seeking to provide customers with multiple access options via mobile access or pin code, without the need for physical presence on-site and with the additional ability to remotely open, Saimon Bros has created SB Drive, managed through the SB smart APP, combining all functionalities into a all in one application!

# The mobile access

## Three ready to go solutions

### 1 Saimon Bros App

This is a ready to use solution for hotels who need only the basic functions of mobile access, and no need their own app. The hotel has access to web interface from the reception or remotely via App.

- Digital keys with time frame (check in / check out)
- Low battery alerts
- Check that guests have received the invitation
- Guest access notification
- Audit trail
- Just one time guest unlock
- Unlock upon authorization
- Create key chains for entry in multiple rooms ex maid keys, master keys etc.

### 2 Customer integration

This solution suits for hotels that have their own application and want add mobile access functions in their App. Instructions and SDK are provided for integration to developers.

### 3 Third- party

This solution suits for hotels that do not have their own App, they are not willing to have but they want more than the basic functions of Mobile Access, like online check in etc. There are developers who have ready to use solutions. Instructions and SDK are provided for integration to developers.

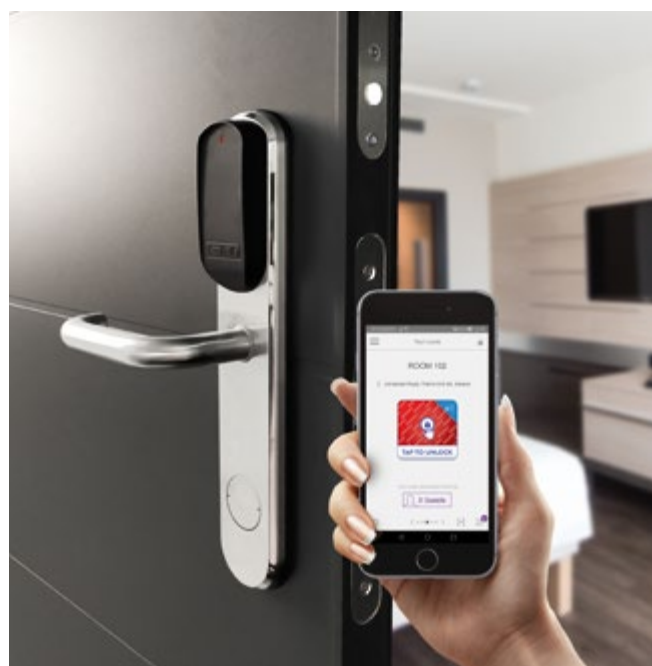
## Benefits

### 4 benefits for the hotel guests

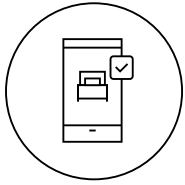
- 1 Skip front desk – no queues
- 2 Security
- 3 Unique user experience
- 4 Contact free (well known as Covid free)

### 5 benefits for the hotel

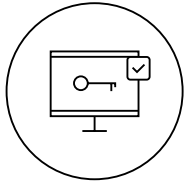
- 1 Guest experience
- 2 Cost effective
- 3 Remote management
- 4 Easy Integrations
- 5 Making the brand loyalty stronger



## How it works



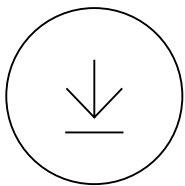
1 The guest makes a reservation



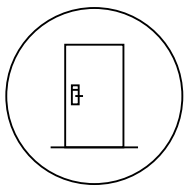
2 Reception staff creates the digital key through the web interface or by the App



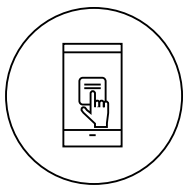
3 Reception staff register the customer details, check in - check out date, and send him the key via sms or mail



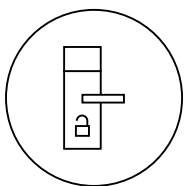
4 The guest receives the digital key via sms or mail, follows the instructions, downloads the app on his smartphone and activates the digital key



5 Once he arrives at the hotel he can go directly to his room



6 Once he is in front of the door of his room, he runs the application and push "tap to unlock"



7 Lock unlocked

# BLE driver

## Mobile access

### An evolutionary product!

The BLE driver device is placed inside the electronic locks and works in parallel and independently with the RFID of the lock, so that in case of failure it is not affected.

It can upgrade all types of smart card locks. It can be installed into already existing electronic locks with no affection of the functionality (magnetic, IC, RFID). A variety of versions for different models of electronic locks.

- Bluetooth wireless technology
- Unlock by downloading the app to your smartphone
- No WiFi needed to the lock
- No WiFi needed to the guest's mobile phone to unlock
- Absolutely safe while communication protocol SHA2 is encrypted
- Low battery consumption and battery lifespan for more than 1 year
- Great performance at high/ low temperature +60°/-20°
- Ideal for the outdoor use
- Max distance of 10m for the smartphone device to work normal
- Room detection by the use of GPS signal when guest is trying to find the room quickly
- Open possibility for the lock to connect to BLE keypad in case guest's mobile phone device is missing

### Basic version of BLE driver



BLE driver for hotel locks

### Accessories



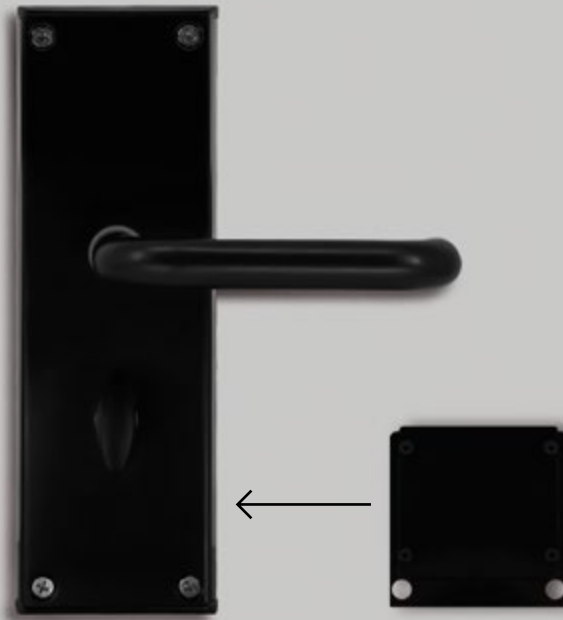
BLE driver for electric locks & automatic doors



BLE key pad with waterproof protection cover



BLE portable time attendance

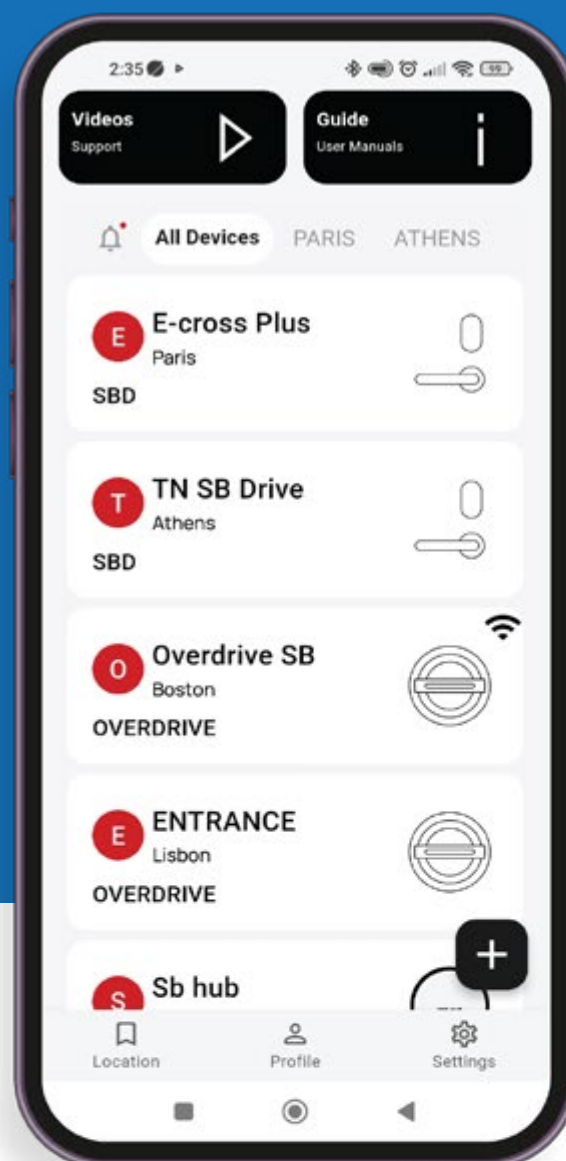


*Evolutionary*

# Mobile access / pin code / remote unlock

## SB Smart App

The SB Smart App empowers hoteliers to simultaneously manage guest access to rooms, common areas, and controlled-access zones via mobile access, PIN codes, remote unlocking.

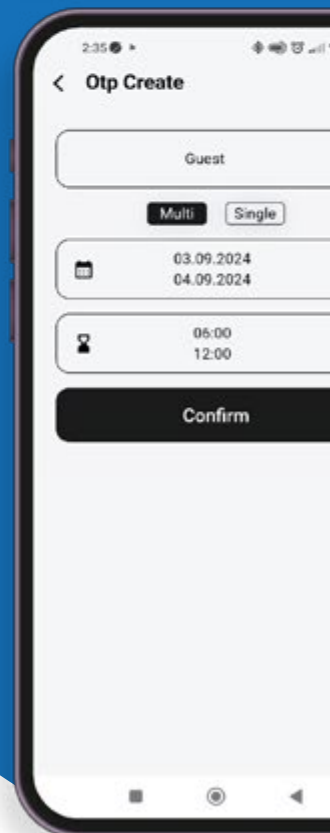
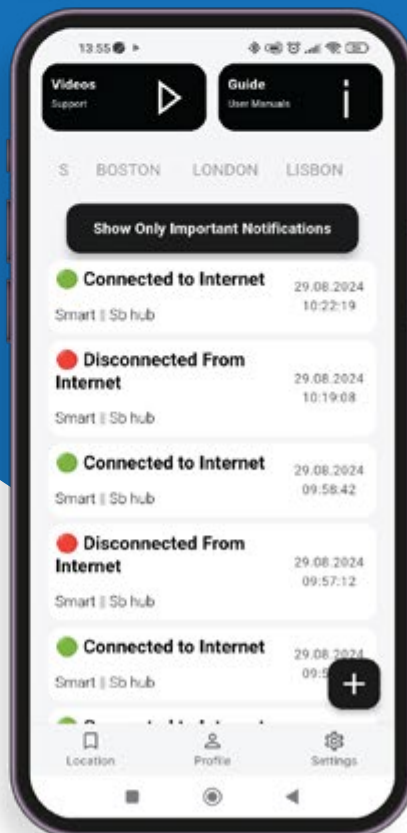
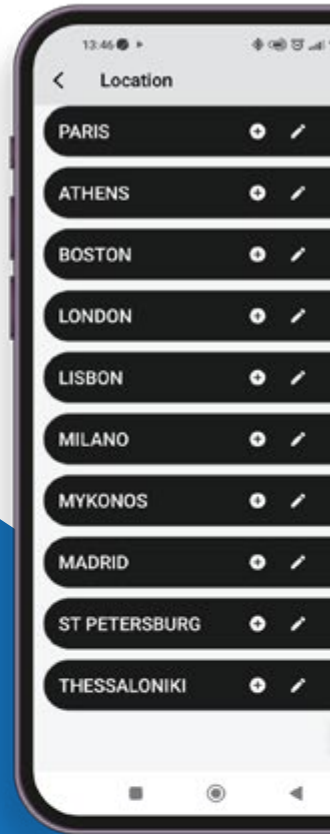
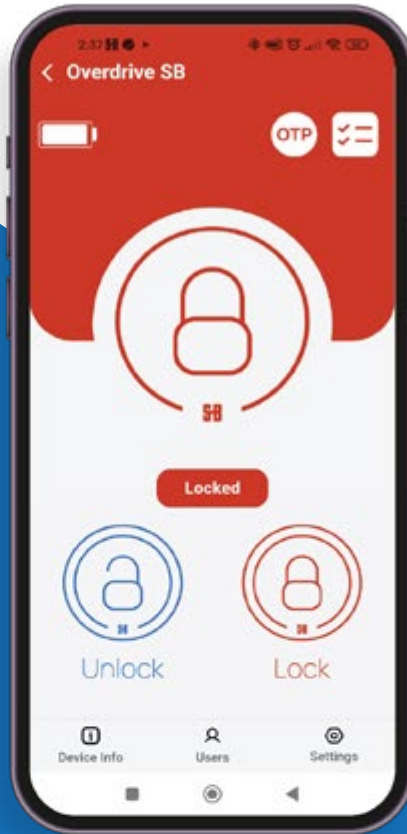
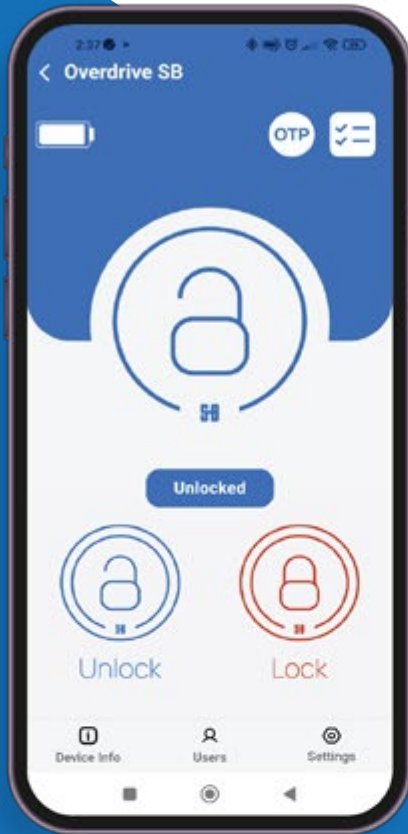


## Useful features of SB Smart App

- 1 Weekly scheduled "passage mode" for specific SB Drive devices or areas
- 2 Battery level indication for SB Drive
- 3 Lock status indication (locked/unlocked)
- 4 SB Hub status (connected/disconnected to the internet)
- 5 Application language selection (23 languages)
- 6 Appearance theme selection
- 7 Ability to locally or remotely upgrade SB Drive devices
- 8 Option to lock the app in standby mode and set a pattern
- 9 Organization of room display by location
- 10 Filters for viewing entry logs

## Web interface

The hotelier can manage the application either from a smartphone or from the reception computer through a web interface.



## A) Mobile Access - BLE Key

The operation is similar to that of the BLE Driver app.

### Offline remote operation

- 1 No internet required at the lock (SB Drive)
- 2 No internet required on the guest's smartphone during unlocking
- 3 Opening logs can be retrieved locally from the lock via Bluetooth connection
- 4 Valid duration of the BLE key: Arrival - Departure
- 5 Ability to cancel the guest's BLE key. The guest's app will be updated when connected to the internet
- 6 Maximum number of active BLE key users/SB Drive: 15

### Online remote operation

- 1 Requires the use of SB Hub (1 SB Hub device per 4 SB Drive devices)
- 2 Requires connecting the SB Hub to Wi-Fi / internet
- 3 No internet required at the lock (SB Drive)
- 4 No internet required on the guest's smartphone during unlocking
- 5 Opening logs update the app immediately via the SB Hub
- 6 Valid duration of the BLE key: Arrival - Departure
- 7 Ability to cancel the guest's BLE key. Immediately updates the SB Drive via the SB Hub
- 8 Maximum number of active remote BLE key users/ SB Drive: 15

## Standby non-remote operation

This mode can operate independently or in parallel with one of the above modes as a backup

- 1 In Standby mode, the hotelier can locally define other users on the SB Drive lock for mobile access
- 2 Adding or deleting users can only be done locally
- 3 No internet required at the lock (SB Drive)
- 4 Opening logs can be retrieved locally from the lock via Bluetooth connection using the app

## B) Access via PIN code - OTP Keypad

Guests can access their rooms by entering a PIN code provided by the hotel

### Offline remote operation

- 1 Neither the lock (SB Drive) nor the OTP keypad requires an internet connection
- 2 The guest's smartphone doesn't need an internet connection during unlocking
- 3 Guests receive a link via SMS or email. They follow the instructions, download the app, and connect it to the lock. The app displays the PIN code to be entered on the keypad.
- 4 Opening logs can be retrieved locally from the lock via Bluetooth connection
- 5 The PIN Code has a valid duration: Arrival - Departure
- 6 The guest's PIN code can be canceled locally on the SB Drive via Bluetooth connection using the manager's smartphone
- 7 Maximum number of active remote PIN code users per SB Drive: 15



## Online remote operation

- 1 Requires an SB Hub (1 SB Hub device per 4 SB Drive devices)
- 2 The SB Hub must be connected to Wi-Fi internet
- 3 Neither the lock nor the OTP keypad requires an internet connection
- 4 Opening logs are immediately updated on the app via the SB Hub, if there is an internet connection
- 5 The PIN Code has a valid duration: Arrival - Departure
- 6 The guest's PIN code can be canceled immediately on the SB Drive and OTP keypad via the SB Hub
- 7 Maximum number of active remote PIN Code users per SB Drive: 15

## Standby non-remote operation

Can operate independently or as a backup

- 1 In Standby mode, the hotelier can locally define 1 master code and 5 user codes on the SB Drive / OTP keypad
- 2 PIN Codes can be changed locally without using the app
- 3 Neither the lock nor the OTP keypad requires an internet connection
- 4 Opening logs can be retrieved locally from the lock via Bluetooth connection using the app

## C) Remote unlocking

The hotelier has the ability to unlock or lock the door remotely without being physically present.

This is particularly useful for scenarios such as guest arrival and key card retrieval, sudden loss of key cards, or granting on-demand access to staff.

### In remote unlocking mode

- 1 An SB Hub is required (1 SB Hub device per 4 SB Drive devices)
- 2 The SB Hub must be connected to Wi-Fi and the internet
- 3 The lock (SB Drive) and OTP keypad do not require an internet connection
- 4 Opening logs are updated immediately on the application via the SB Hub, provided there is an internet connection
- 5 The ability to unlock or lock the door is available

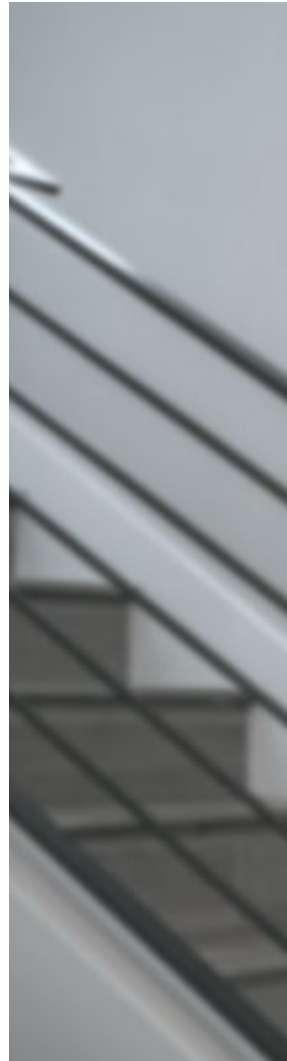
# SB Drive device

Mobile access / pin code / remote unlock

The SB Drive is a cutting-edge device that combines two wireless technologies simultaneously: Bluetooth and RF 434MHz. This enables multiple connectivity options with devices of two technologies. Additionally, it can drive wired or wireless, motors, relays or external circuits.

## Specifications

- Wireless technology: Bluetooth & RF 434MHz
- Unlock with a smartphone via app (when the user is near the lock)
- Remote unlock with a smartphone via app (when the device is connected to the SB HUB)
- Unlock with an OTP keypad
- Unlock with an RC remote control
- Unlock via command from automation, alarm, or KNX (WAI required)
- No internet required at the lock (only at the SB HUB)
- No internet required on the customer's smartphone during unlocking
- Extremely secure using an encrypted communication protocol
- Low power consumption of alkaline batteries with a lifespan of over 1 year
- Operating resistance at very high temperatures +60°C or low -20°C
- Suitable for outdoor use
- Maximum operating distance 10m from the device (BLE)



## SB Drive core models



SB Drive Mobile Access kit  
Hotel Lock Upgrade System

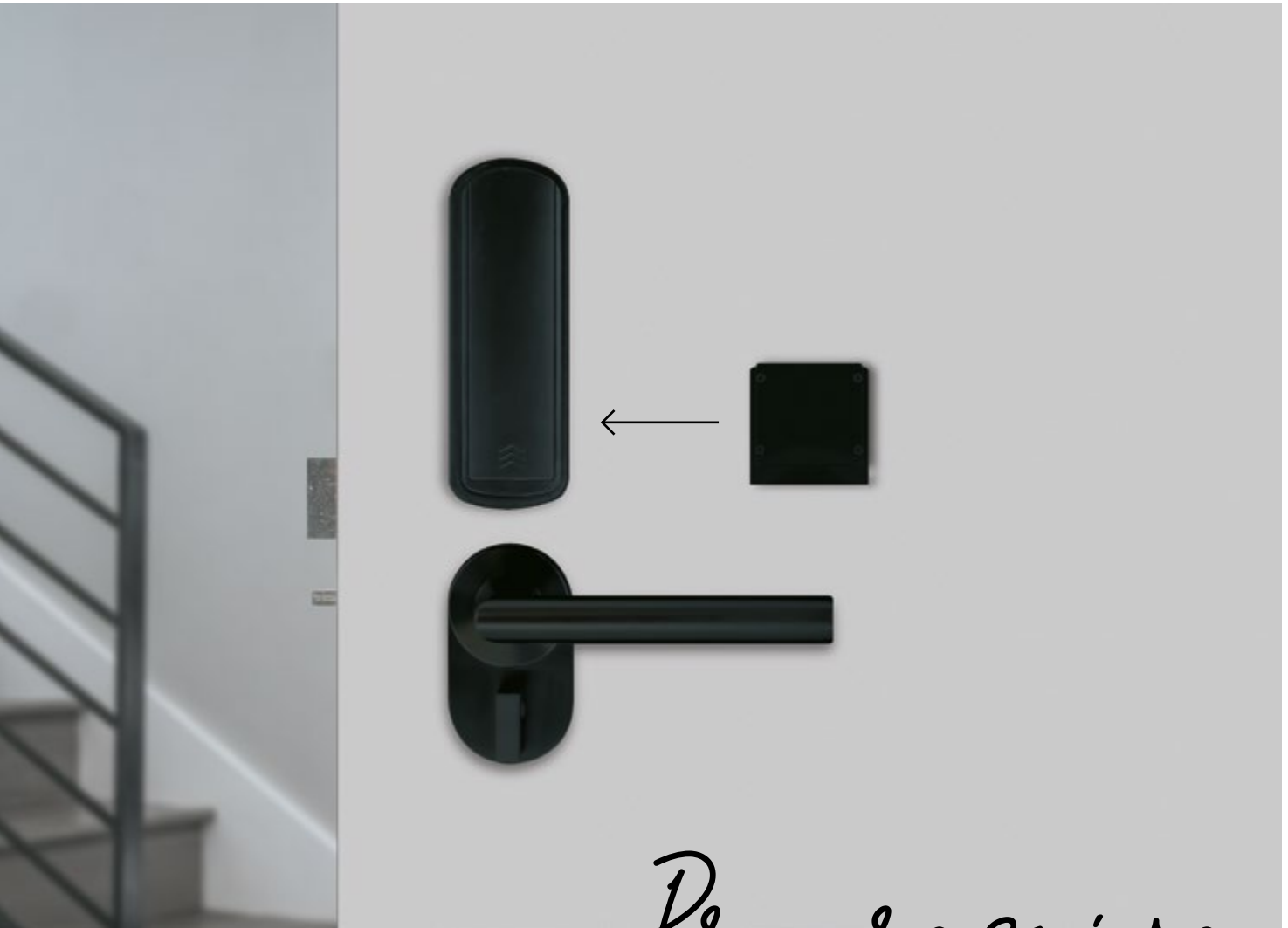
A versatile solution that can be integrated into various electronic lock systems, including:

- A) All Saimon Bros electronic lock models
- B) Electronic locks from other manufacturers

The SB Drive Mobile Access Kit is designed to be installed directly into existing electronic locks, operating independently alongside the lock's existing RFID system. This ensures uninterrupted service in case of any malfunctions.

This innovative product can be connected to and upgrade all electronic lock models (magnetic, IC, RFID) from other manufacturers in existing installations without affecting their current operation.

Multiple versions of the SB Drive Mobile Access Kit are available to accommodate various lock models.



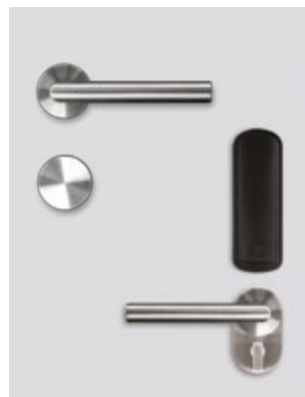
# Progressive



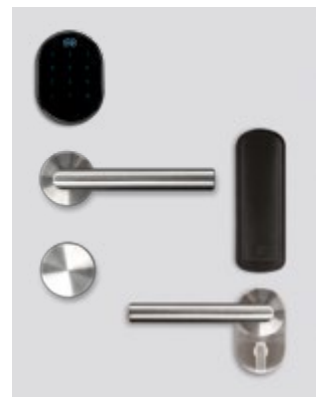
**TN2006 SB Drive**  
Mobile access control system



**TN2006 SB Drive OTP**  
PIN code & mobile access control system



**E-cross plus SB Drive**  
Mobile access electronic lock



**E-cross Plus SB Drive OTP**  
PIN code & mobile access electronic lock



**E-cross E-resurrection  
SB Drive**  
Mobile access electronic lock



**E-cross E-resurrection SB  
Drive OTP**  
Mobile access electronic lock



**Overdrive SB**  
PIN code & mobile access  
electronic lock



**Overdrive SB OTP**  
PIN code & mobile access  
electronic lock

## SB Drive system accessories



### SB Hub

The hub connects to your local Wi-Fi network, allowing you to remotely control your SB Drive device.

#### Features (via the app)

- Remote locking/unlocking
- Real-time lock status (locked/unlocked)
- Battery level monitoring
- Online activation / deactivation of customer PIN code (OTP keypad)
- Online activation / deactivation of customer BLE key
- Employee authorization for lock management
- Lock opening logs

#### Specifications

- Power supply: 5V
- Cable type: Type-C
- Connectivity: Built-in Wi-Fi, Bluetooth, Smart Phone Compatible Module / PAN, and RF 434mhz module
- Maximum distance from access point: 10m (may vary)
- Maximum distance from SB Drive device: 5m (may vary)
- Maximum number of connected devices per HUB: 4



### FP OTP touch screen keypad

The FP OTP touchpad combines the ability to use a PIN code or fingerprint. It connects wirelessly to the SB Drive device. It's battery-powered and is suitable for both indoors and outdoors. You can manage PIN codes remotely, either online or offline.

- Power supply: 2 x AA 1.5V alkaline batteries
- Material: ABS, P/C
- Keyboard type: Touch screen
- Fingerprint sensor type: UPEK with metal coating
- Connectivity: Bluetooth / RF 434mhz
- Operating indicator: LED lights
- Maximum distance from SB Drive device: 2m (may vary)
- Non-remote management users: 1 Master, 5 users
- Non-remote management fingerprint users: 3 Masters, 97 Users
- Remote management users: 15
- Online Remote Management: via SB HUB
- Offline Remote Management: via SB SMART APP
- Optional Accessories: Protective cover for installation in extreme conditions
- Optional Accessories: Metal enclosure for built-in installation



#### OTP touch screen keypad

The OTP touchpad connects wirelessly to the SB Drive device. It's battery-powered and is suitable for both indoors and outdoors. You can manage PIN codes remotely, either online or offline.

- Power supply: 2 x AA 1.5V alkaline batteries
- Material: ABS, P/C
- Keyboard type: Touch screen
- Connectivity: Bluetooth / RF 434mhz
- Operating indicator: LED lights
- Maximum distance from SB Drive device: 2m (may vary)
- Non-remote management users: 1 Master, 5 users
- Remote management users: 15
- Online Remote Management: via SB HUB
- Offline Remote Management: via SB SMART APP
- Optional Accessories: Protective cover for installation in extreme conditions
- Optional Accessories: Metal enclosure for built-in installation



#### RC wireless remote control

You can lock or unlock the SB Drive device using the wireless remote control.

- Power supply: 1 x Cr2032 Lithium battery
- Operating indicator: LED light
- Material: ABS
- Maximum distance from SB Drive device: 10m (may vary)
- Lock and unlock buttons



#### WAI wireless synchronization device

The WAI wireless synchronization device connects wirelessly to the SB Drive device and wired to automation, alarm, or KNX systems, allowing them to control the lock (lock/unlock).

- Power Supply: 5 - 12 V DC
- Power Consumption: 30 mA
- Operating Temperature: 0 - 40°C
- Maximum Distance from SB Drive: 5m (may vary)



#### DST door status sensor

The door status sensor is installed on both the door leaf and the frame. It detects whether the door is properly closed and sends a locking command to the SB Drive device.

- Power Supply: 1 x 3.6V AA 1/2 Lithium Battery
- Operating Indicator: LED light
- Material: ABS
- Power Consumption: 30 mA
- Operating Temperature: 0 - 40°C
- Maximum Distance from SB Drive: 3m (may vary)