



Handbook: BioKey® Fingerprint + APP Administration

Technical Data

Fingerprint Sensor: Swipe Sensor without Latentfinger
 Operating Temperature: -20 ~ +85 °C
 IP Class: **65** (Outdoor)



- **Important: Please first enroll the first Masterfingers at least 6 times** in state of delivery (**red + green** LEDs both alight), without opening the App!
- **Mastercode** (6-digit-code, factory setting)

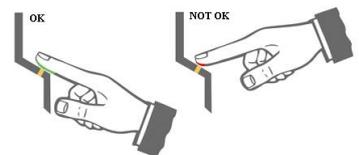
Function/Order	Description/Example	Procedure
Step 1: Enroll Masterfingers (without Handy and APP)	The first Masterfinger has to be provided at the beginning in state of delivery (the same finger muss be registered at least 6 times) Example: swipe the left index as future Masterfinger 6 times over the sensor, until the green LED flashes shortly	State of delivery (red + green LEDs alight) → Enroll Masterfinger at least 6 times, until the green LED flashes shortly
Step 2: Enroll Userfingers (with Handy and APP)	First download and install BioKey APP for free from the AppStore (Bluetooth has to be activated on the Smartphone)	Start BioKey APP- > Select device -> select „BK xxx“ -> Login with the Masterfinger or Mastercode -> Menü "Users" -> add new userfinger (+) -> Add finger ...->Add scans- > Scan 2 of 8.....
Step 3: Open door	Open door per fingerprint Example: swipe a Userfinger over the sensor -> the green LED flashes shortly	Swipe Userfinger over the sensor

II. All functions (in detail)

1. Masterfinger enrollment (swipe the first master finger over the sensor at least 6-times)

Requirement: The device is in the delivery state (**Red+Green** LEDs light up constantly)

- Swipe the masterfinger over the sensor for the first time.
Red+Green LEDs: flash for appr. 2 sec->go out ->light up constantly again
- Swipe the same masterfinger over the sensor again
Red+Green LEDs: flash for appr. 2 sec->go out -> light up constantly again
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- Swipe the same masterfinger over the sensor at least 6-times, until the Green LED flashes for appr. 3 sec. The masterfinger enrollment is completed. It is now possible to enrol userfinger.



2. Userfinger enrollment (userfinger should be different from the masterfinger!)

- Install the BioKey APP (Apple Store or Play Store) for free
- Start the BioKey APP
- Look for: BKxxx (Gerät wählen – choose device)
- Swipe the masterfinger once over the sensor for login in the BioKey APP. **Red+Green** LEDs: flash for appr. 3 secs -> go out
- In the Menu: Userfinger -> add a new userfinger + -> swipe the new userfinger over the sensor, swipe the same userfinger for several times (2,3,4,5,6,7,8) over the sensor
- Until the **Red+Green** LEDs: flash for appr. 3 secs -> go out

The userfinger enrollment is completed. It is now possible to open the door with the userfinger.

- **Mastercode->OK** (via remote control device, before the door) as **alternative for BioKey APP** login via Masterfinger

3. Identification

- Swipe the userfinger, if OKAY, **green** LED, otherwise **red** LED

Remarks:

- When wiring to power supply is correct & the BioKey® is in state of delivery (empty), **red + green LEDs** are alight constantly. Attention: in state of delivery the entry is not secured, because every person can be enrolled as Masterfinger or Userfinger and can be enabled to open the door.
- **Masterfinger** (ex.: left index finger) is the finger, that can later be used to administrate the BioKey App. Userfingers (ex.: right index finger) are the fingers, that will later open the door. In state of delivery (**red + green LEDs** are alight constantly), the first successfully enrolled fingers (at least 6 times) is automatically Masterfinger.
- Then activate Bluetooth on the Smartphone and download and install BioKey App for free. (can be downloaded from Apple AppStore and Android PlayStore)
- The location function has to be activated: **Enable BioKey App to access the location of the device.**
- To open the BioKey APP, the Masterfinger has to be swiped over the sensor 1 time (as Login)
- Username storage and log file: For data protection reasons and protection of privacy, we do not use an outsourced central database such as WLAN, Cloud etc. Personal sensitive data such as fingerprints, access events and usernames etc. remain local, stored in the front door or in the finger scanner. We are also pursuing a mobile phone-neutral concept, i.e. the mobile phone used for programming does not itself have any security function and is only used as a pure display for presentation. Logging in with any mobile phone is only possible using the master finger. A lost mobile phone has no consequences for security.
- As the power supply to the front door may be interrupted in some situations, it may happen that the display of usernames and access events is short-term impaired on the mobile phone, but this display problem is only temporary, and the personal data is permanently stored in the front door (or in the finger scanner) (Tip in such case: restart the Biokey APP on the phone).
- For security reasons we use a Fingerprint Swipe Sensor, with every use the fingerprint trace and sensor surface are cleaned automatically. It is therefore not necessary to clean the sensor surface with water or chemical cleaning agents. Cleaning agents can cause damage to the sensor!

- **Reset: Delete all fingers (including Masterfingers)**

Before the reset: log out from BioKey App

Mastercode (6-digit-code, factory setting)

Enter with the infrared remote directly in front of the scanner:

DA -> Mastercode -> OK

The device is now back to the state of delivery (**red + green LEDs are alight constantly**)

- To **change the Mastercode**: please login in the BioKey APP (Menu: settings)



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