Operation manual

SmartConnect easy

Thank you for choosing **SmartConnect easy**. With the **SmartConnect easy** you can operate your FUHR motor lock and many other devices via your smartphone. In conjunction with the SmartConnect app, your home will easily become a smart home.

SmartConnect easy controls and communicates via WLAN. With the intuitive SmartConnect app, you can operate the FUHR multi-point lock and query the state of your door. In addition, lighting, garage door, roller shutters and much more, can be operated anywhere via the app. As an administrator, you authorise and block users, doors and terminal devices, and keep track of all applications in the Journal, also optionally on the Internet, at any time and in any location. With **SmartConnect easy** you always have your property in view.

Installing the **SmartConnect easy** is quick and easy and can be retrofitted at no extra cost. In this operation manual, all topics are explained step by step. In an overview, you will find compatible products that you can use for a wide variety of applications. Further application examples can be found on www.smart-door.net.

For your safety, all data is stored securely on your **SmartConnect easy** - not on the Internet!

SC2-B-DE/07.18-2

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1 Scope of delivery

- SmartConnect easy
- Quick Start Guide

- Optional:
    - o Smart radio module
    - o SmartTouch master transponder

2 General information

2.1 Safety instructions for the SmartConnect easy

For the correct use of the **SmartConnect easy**, please read the operating instructions carefully before using the product. Follow the instructions given and follow the described instructions. Failure to comply with the information and instructions, no warranty for the proper functioning of the product can be given. Do not disconnect the **SmartConnect easy** from the mains during configuration or updating. The resulting data loss can lead to the failure of the device and requires the submission to the service partner. The **SmartConnect easy** is intended for private indoor use only and must be protected against moisture and tampering. Any other use than that described in this manual is not intended and will result in exclusion of warranty and liability. This also applies to conversions and changes to the device. Do not open this device under any circumstances! It contains no user-serviceable parts. If an error occurs, send the **SmartConnect easy** to the responsible service unit.

2.2 Safety instructions for the smartphone

Be sure to keep the virus scanner and firewall of your smartphone up to date. Only in this way can you be protected against attacks from the Internet. Regularly check if your software is up-to-date and install the available updates. For your safety, use good passwords and change them at certain intervals. Recommendations for secure passwords can be found, for example, at the Federal Office for Information Security in the area of *Recommendations:* https://www.bsi-fuer-buerger.de.

2.3 Notes on radio operation

The radio transmission takes place on a non-exclusive transmission path. This can lead to interference from other radio applications. Switching operations, electric motors or defective electrical appliances can also cause interference. The transmission power and reception characteristics of the **SmartConnect easy** depend heavily on constructional and ecological conditions. Thus, the range in the open field differs from that in buildings. Also, the signal is transmitted differently at high humidity than at lower humidity.

SmartConnect easy complies with the requirements and regulations of Directive 1999/5/EC. The Declaration of Conformity can be found at www.smart-door.net.

> ⚠️ **Please make sure that in the case of a data interruption, for example due to a power failure, relevant applications such as door locks can be operated differently (e.g. mechanically with a cylinder key).**

3 Individual components

3.1 SmartConnect easy

The **SmartConnect easy** provides the connection between the applications, e.g. your FUHR multi-point-lock in the front door, and your smartphone. The communication between smartphone and **SmartConnect easy** is done via WLAN and optionally via the Internet (see chapter 10.4 Network Configuration). Whereas the communication between **SmartConnect easy** and the individual components, such as the radio socket, is done using 868MHz radio.

For use, plug the **SmartConnect easy** into a Schuko socket and install the corresponding SmartConnect app on your smartphone (*see chapter 3.2* *3.2 SmartConnect App*).

3.2 SmartConnect app

The smartphone communicates with your **SmartConnect easy** through the SmartConnect app. This allows you to control the individual applications, such as the opening of the FUHR multi-point lock, and query the state of the device (if your application allows feedback). It is also possible to create additional users and assign them - also temporary - authorisations for applications (user administration). More information about user administration can be found in *chapter 8.3 Create user*. For a list of compatible applications, see www.smart-door.net.

The SmartConnect app can be found in the following app stores:
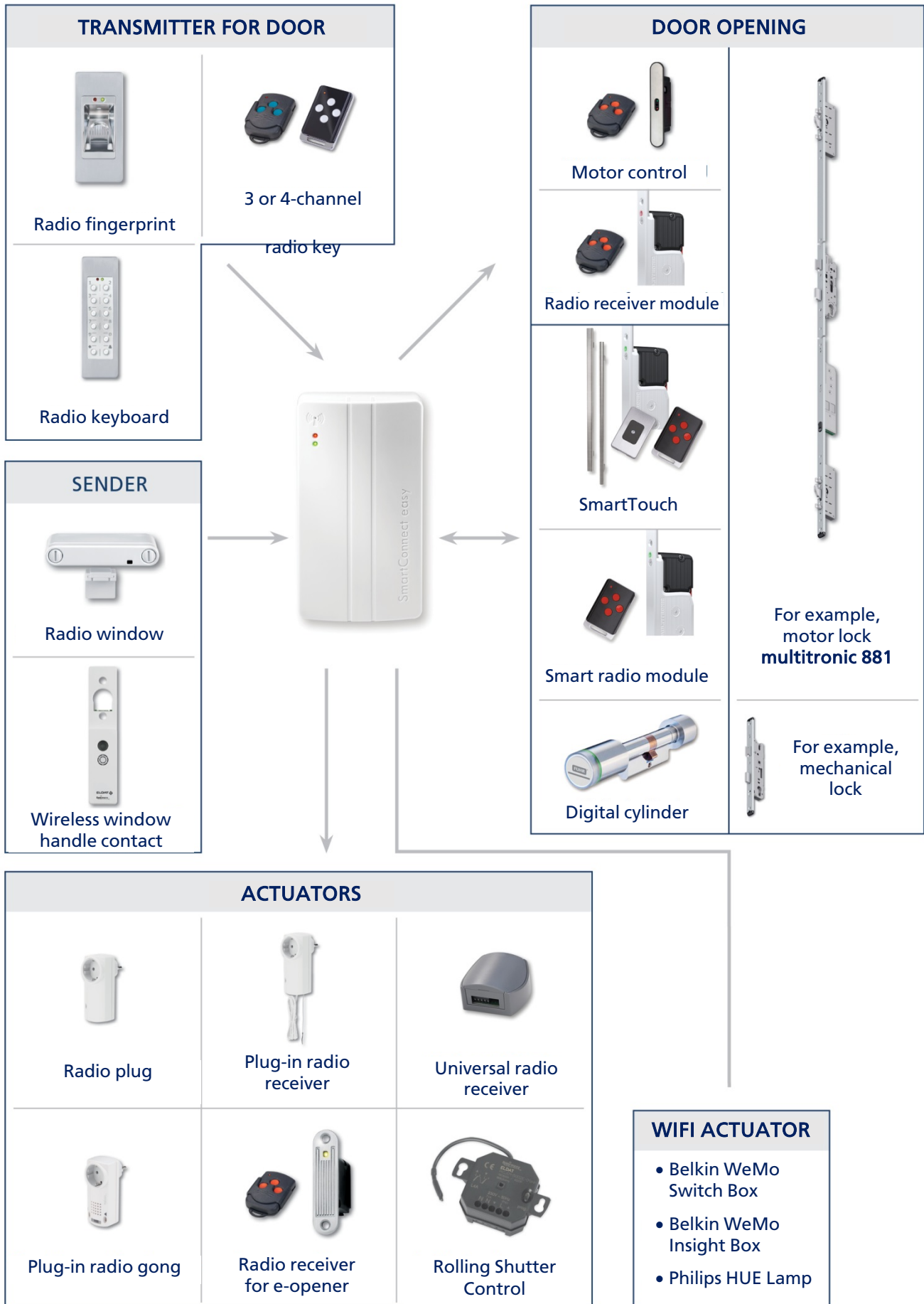
GET IT ON
Google play

Download on the
App Store

If you have any questions, you will find many answers in the chapter 14 FAQ at the end of this manual or at www.smart-door.net.

3.3 Additional components

With **SmartConnect easy**, you can control applications and query their state. For the **SmartConnect easy** to be able to receive, forward and trigger actions, special transmitters and receivers are required. On the following two pages you will find which components you need exactly for your desired applications.

To open the door by smartphone, you need a motorised FUHR multi-point locking system **autotronic** 834/834P or **multitronic** 881, which is usually equipped with a control or a radio reception module. If you also need the feedback on your smartphone, a smart radio module is needed to see if your door is open or closed. This can be ordered individually or alternatively with the comfort access SmartTouch, which allows you a non-contact KeylessGo opening of the door. If you would like to retrofit your existing lock (mortise lock or multi-point lock) for the door control via smartphone, we recommend the FUHR digital cylinder.

With additional transmitters or actuators, many other possibilities of SmartHome control are available. For example, you can monitor the condition of your casement windows (open or closed) via the app or open your garage door with your smartphone. Roller shutters can also be opened and closed.

TRANSMITTER FOR DOOR

Radio fingerprint

3 or 4-channel radio key

Radio keyboard

SENDER

Radio window

Wireless window handle contact

DOOR OPENING

Motor control

Radio receiver module

SmartTouch

Smart radio module

Digital cylinder

For example, motor lock **multitronic 881**

For example, mechanical lock

ACTUATORS

Radio plug

Plug-in radio receiver

Universal radio receiver

Plug-in radio gong

Radio receiver for e-opener

Rolling Shutter Control

WIFI ACTUATOR

- Belkin WeMo Switch Box
- Belkin WeMo Insight Box
- Philips HUE Lamp

DOOR OPENING TRANSMITTER – It transmits a radio signal to the SmartConnect easy	
3 or 4–channel radio key	To operate 3 or 4 applications with only one radio key, for example front door, side entrance and garage door, the SmartConnect easy allows you to manage both channels and assign a time profile *FUHR art. no. NZ80062 (3-channel radio key) and* *NZ80182F (4-channel radio key)*
Radio fingerprint scanner	For a convenient, biometric door opening of 2 applications, via the SmartConnect easy, you can manage both channels and assign a time profile *FUHR art. no. NZ80178A*
Radio keyboard	For a convenient door opening of 2 applications by number code, via the SmartConnect easy you can manage both channels and assign a time profile *FUHR art. no. NB702N*
TRANSMITTER – It transmits a radio signal to the SmartConnect easy	
Radio window contact	For monitoring the sash position of windows, doors or gates The status change is transmitted by radio to the SmartConnect app *FUHR art. no. NB0127001F*
Radio window handle contact	For monitoring window handles The status change is transmitted by radio to the SmartConnect app *FUHR art. no. NB0127002F*
DOOR OPEN – To receive a SmartConnect easy radio signal to open the door	
Motor control	To open the door, the signal from the SmartConnect easy is received and fed to the motor lock, the radio receiver is integrated in the control *FUHR art. no. depending on the version*
Radio receiver module	To open the door, it receives the signal from the SmartConnect easy and directs it to the motor lock, the radio reception module is plugged onto the motor *FUHR art. no. NBFP490*
SmartTouch	For a convenient door opening by touching the handle bar or the activation button, including the Master SmartKey and Smart radio module It is plugged into the motor, it receives the signal from the SmartConnect easy and forwards it to the motor lock, the door status can be queried via the SmartConnect app *FUHR art. no. depending on the version*
Smart radio module	To open the door, it is plugged onto the engine, it receives the signal of the SmartConnect easy and passes it on to the motor lock The door status can be queried via the SmartConnect app *FUHR art. no. NBFP931R*
Digital cylinder	For retrofitting doors with mechanical locks For a convenient door opening via smartphone, manageable via the SmartConnect easy, it gives feedback about the battery status *FUHR art. no. NZ80178A*

| ACTUATORS – They receive a radio signal from the SmartConnect easy and trigger an action	
Radio socket	For controlling devices, e.g. lamp, pluggable between the socket and the device to be switched *FUHR art. no. NZ80134*
Plug–In radio receiver	For controlling existing external drives, such as garage doors *FUHR art. no. NZ80088*
Universal radio receiver	For controlling existing external drives with external power supply, such as garage doors *FUHR art. no. NZ80023*
Plug–In radio gong	To receive a bell signal *FUHR art. no. NZ80122*
Radio receiver for e-opener	For opening doors equipped with an electric door opener *FUHR art. no. NBFP675*
Rolling shutter control	For controlling roller shutters, radio receivers for flush mounting *ELDAT art. no. RCJ01-E5002-01-23K*
WIFI–ACTUATOR – It receives the wireless signal of the SmartConnect easy	
Belkin WeMo radio socket	For controlling devices, e.g. lamp, pluggable between the socket and the device to be switched *WeMo Switch Box: EAN 0722868905814 and* *WeMo Switch Insight Box: EAN 0722868992975*
Philips HUE Lamp	To turn Philips Hue lamps on and off via the SmartConnect app *Philips art. no. depending on the version*

4 Preparations

4.1 Installation of the SmartConnect app

The SmartConnect app you need can be found in the app store of your smartphone *(see chapter 3.2 SmartConnect App)*. For the further process please download the app.

Indication: The instructions were presented using the example of the Apple iPhone app.

4.2 Putting the SmartConnect easy into operation

In order to put the **SmartConnect easy** into operation, plug it into a Schuko socket. Select the position so that there is sufficient radio reception between the **SmartConnect easy** and the applications. Please note that your WLAN network must be reliably accessible to your smartphone, even outside the front door. Only place the **SmartConnect easy** inside the building to protect it from moisture and tampering.
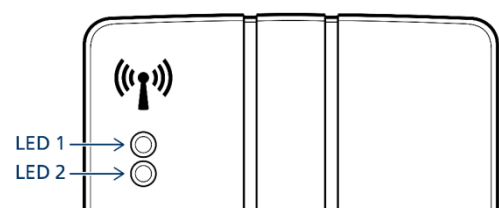
LED 1
LED 2

Wait approx. 60 seconds after plugging in, until the LED 1 lights up permanently red. Only then is your **SmartConnect easy** ready for operation.

A list of all LED states can be found in *Chapter 11 LED Signals.*

4.3 Mounting the smart radio module

You need a smart radio module to monitor the lock status of your front door via smartphone. So you can see at any time, whether your door is securely locked - no matter where you are, whether at home in the garden or e.g. on holiday.

The smart radio module is simply mounted on the motor drive of the FUHR motor multi-point lock, thus providing feedback via **SmartConnect easy**. Plug it on top of the motor drive and push it down slightly until it snaps into place.

Connect the cables located on the back of the module as follows:

Cable A is a short cable on the smart radio module. If you are using the comfort access **SmartTouch**, please connect the plug socket of the smart radio module to the plug of the mounted **SmartTouch** door handle or activation button.

Cable B is a 3-wire connection cable on the smart radio module. Feed this cable down behind the motor drive and connect it to the green motor plug. When connecting, observe the following instructions:

> Terminal 4 → white cable
> Terminal 5 → brown cable
> Terminal 6 → green cable

Cable C The long 2-wire connection cable has a plug at the end. Connect this plug to the socket on the rear of the motor drive so that the door status can be displayed in the app.
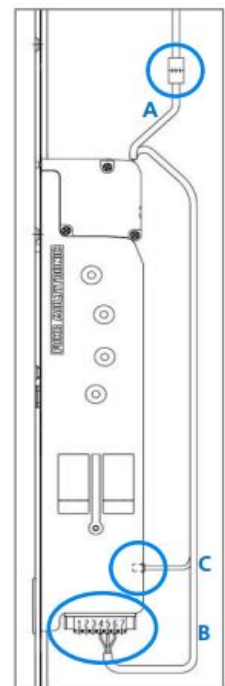
5 Set up the SmartConnect app

5.1 Connecting the SmartConnect easy to the network (access point mode)

After you have installed the app on your smartphone and the **SmartConnect easy** is ready for use, you can establish the connection between the two.

Open the WLAN settings of your smartphone. Among the available networks, **SmartConnect easy** is displayed as a separate WLAN network, since the first putting into operation always takes place in access point mode. This means that the **SmartConnect easy** works like a separate WLAN router and spans an (for the time being) unencrypted WLAN radio network.

iOS - WLAN settings

 Now select the SmartConnect-XXXX network to connect your smartphone to it. "XXXX" stands for the last 4 digits of the serial number, which are used to differentiate the individual networks.

Please note: As soon as you leave the WLAN range of your **SmartConnect easy**, your smartphone automatically connects to the next known WLAN network - presumably the home WLAN network. In this case, you must manually reconnect your smartphone to the SmartConnect network. (To avoid this, integrate your **SmartConnect easy** into your WLAN network after the initial setup, optionally also with Internet access *(see chapter* [10.4.b Connection via WLAN](#)*)*.

As soon as the smartphone is connected to the WLAN of the **SmartConnect easy**, LED 2 lights up blue.

LED 1 →
LED 2 →
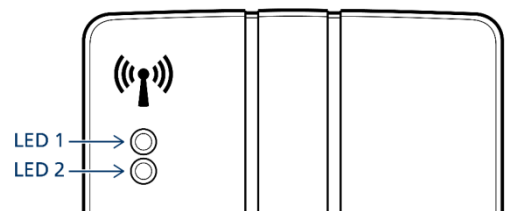
 Always make sure that the LED 2 on the SmartConnect easy lights up. This signals a WLAN connection, which is a prerequisite for communication with the smartphone.
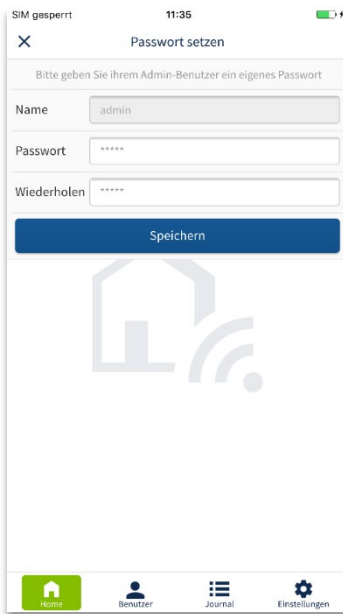
5.2 Selection of the SmartConnect easy in the SmartConnect app
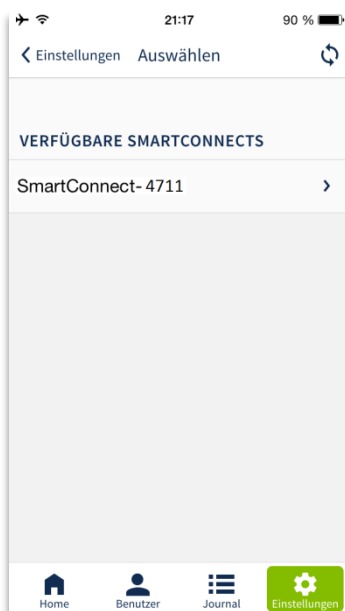
Selection of
SmartConnect easy

After successfully connecting the smartphone to the **SmartConnect easy** network, start the SmartConnect app. Select the **SmartConnect easy** which you want to use for the further progress.

5.3 Setting passwords in the SmartConnect app

5.3.a For the administrator:

In the delivery condition, a user "admin" (administrator) has already been created. With this administrator, the initial setup of the device and subsequent changes to the settings are made.

For security reasons, all users are protected with a password *(see chapter 2.2. Safety instructions for the smartphone)*. When logging in for the first time, set a password for the administrator "admin". Choose a secure password. This is the only way to protect the data of your **SmartConnect easy**.

Each user password must meet the following requirements:
Min. 6 characters - of which at least one uppercase letter, one lowercase letter and one digit.

Write down your administrator password here as a thought support.

admin:
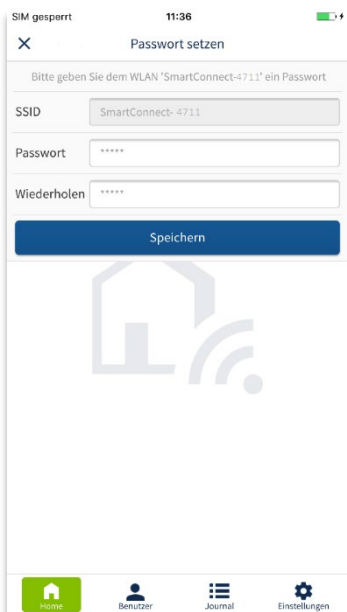
5.3.b For the WLAN network:

The WLAN of your **SmartConnect easy** must also be password protected. Only after the password has been set can your smartphone be connected to the **SmartConnect easy**.

Each WLAN password must meet the following requirements:
Min. 8 characters - of which at least one uppercase letter, one lowercase letter and one digit.

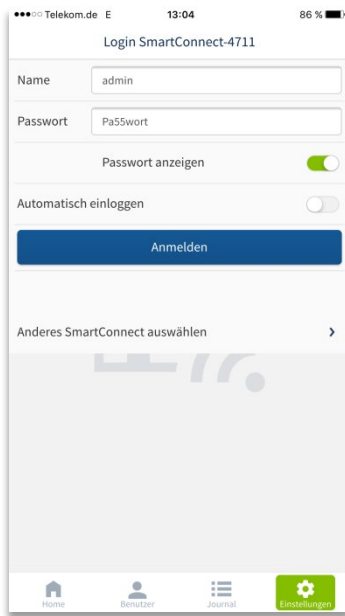Write down your WLAN password here as a thought support.

WLAN SmartConnect:

⚠ **Keep your passwords safe. Without a valid password, there is <u>no</u> way to access the data stored in the device.**

5.4 Log in as administrator

After successful completion of steps 5.1 to 5.3 log in as administrator (admin) and with the defined password. When entering the password, pay attention to the correct capitalisation. If the password is entered incorrectly, further entry is only possible after a delay for safety reasons. After logging in, you can already use all the functions of the **SmartConnect easy**.

Indication: The *automatic login* feature is only available to users without administrator rights.

6 The structure of the app

The home button is the start page of the SmartConnect app. All configured applications are displayed and operated here. The displayed applications vary depending on the rights of each user.

Depending on the person logged in, the user or administrator (user with extended rights) is hidden under the user button.

The journal shows the progress of the executed applications, with user, date and time. Their visibility can be set for each user.

This can be used to configure the App and the **SmartConnect easy**.

Control elements of the header

Pen: Open list view for editing

Plus: Add
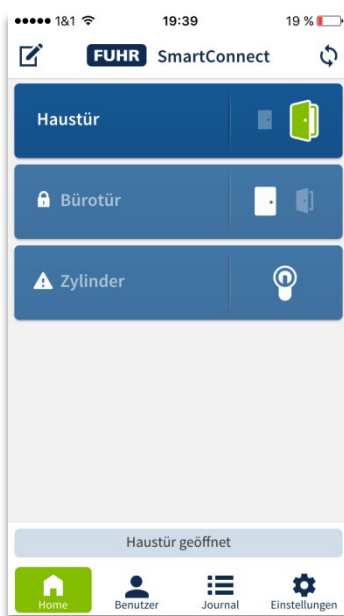
Arrows: Refresh the view and show connection path

Back: Goes to the previous page without saving

Control elements of the list view

☰   Change order

🗑   Delete

›   Open details for editing

7 Home

7.1 Applications

In the home screen, all applications of the logged in user are visible. All devices connected to the **SmartConnect easy** are called applications. These can be, for example, the door with a FUHR multi-point lock **multitronic** 881 or **autotronic** 834, a radio-controlled socket or a radio gong. Applications can be operated via the SmartConnect app and - depending on the product - their status can be queried. Depending on the logged in user, different applications will be displayed in the app and permissions will be released.

7.2 Setting up an application

Only an administrator is authorised to set up an application. Log in with your administrator access data and follow the steps below.

Indication: Not every product is able to send feedback. The choice of the product decides whether it can be displayed, for example, whether the door lock is locked or not. If, for example, the FUHR radio receiver NB506NR is installed in the door, the status of the lock can be queried in the app. Your dealer will be happy to help you choose the right product.

7.2.a Creating a new application

Press the pen ✏️ in the upper left corner of the header to enter edit mode. Open a new application with plus ⊕ and name it. The name can be up to 20 characters long and should be chosen so that there is no confusion with other applications, for example the *radio gong* or the *front door.*
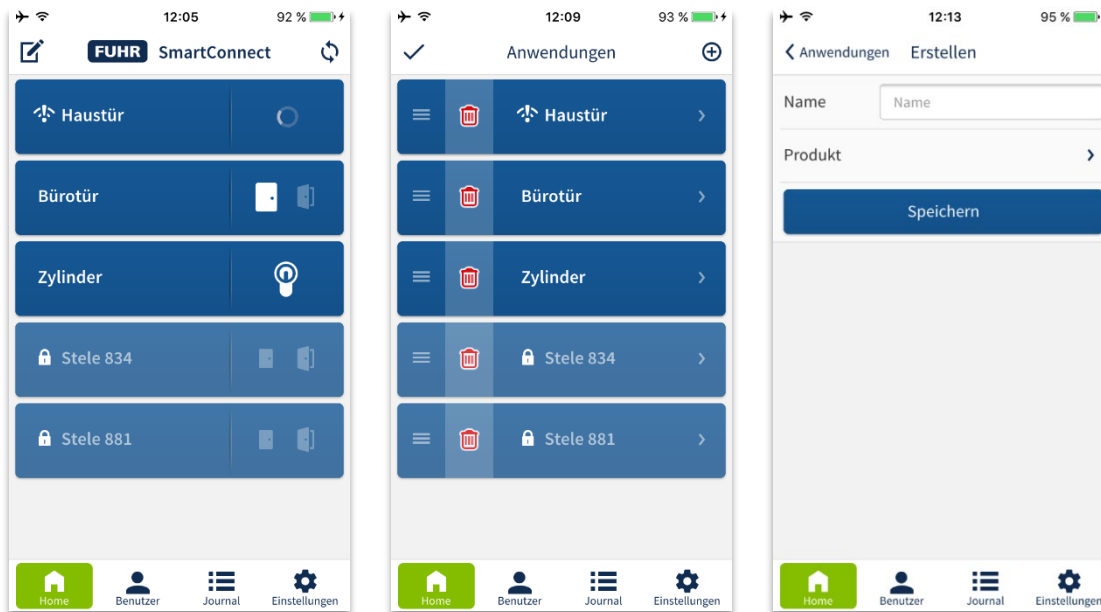
Then determine your product which you want to use for the application. Click on **Product** and select the corresponding device in the list. Save the application.
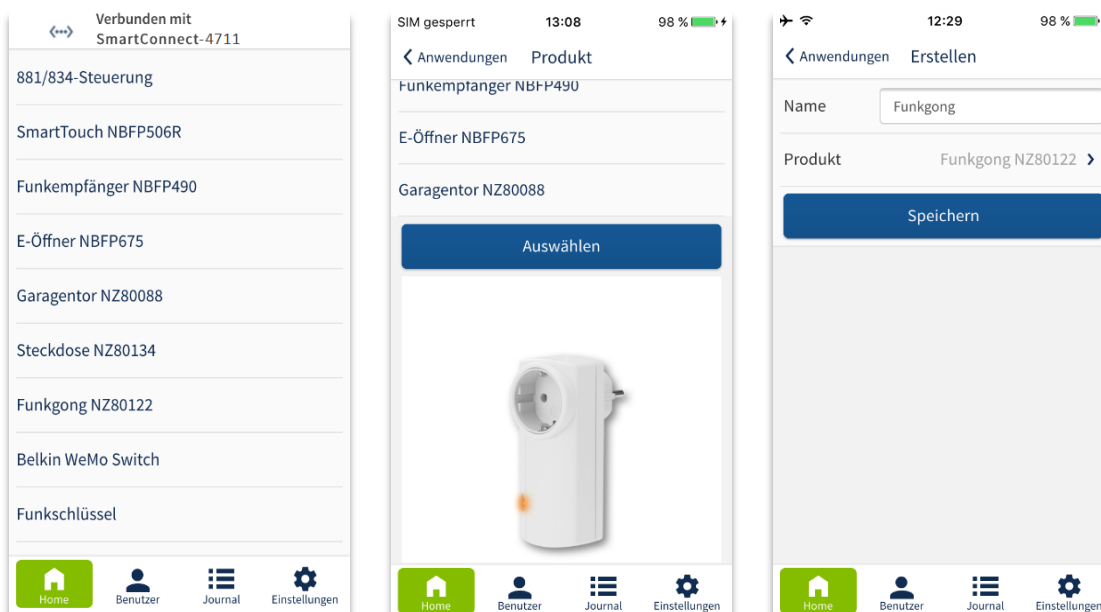
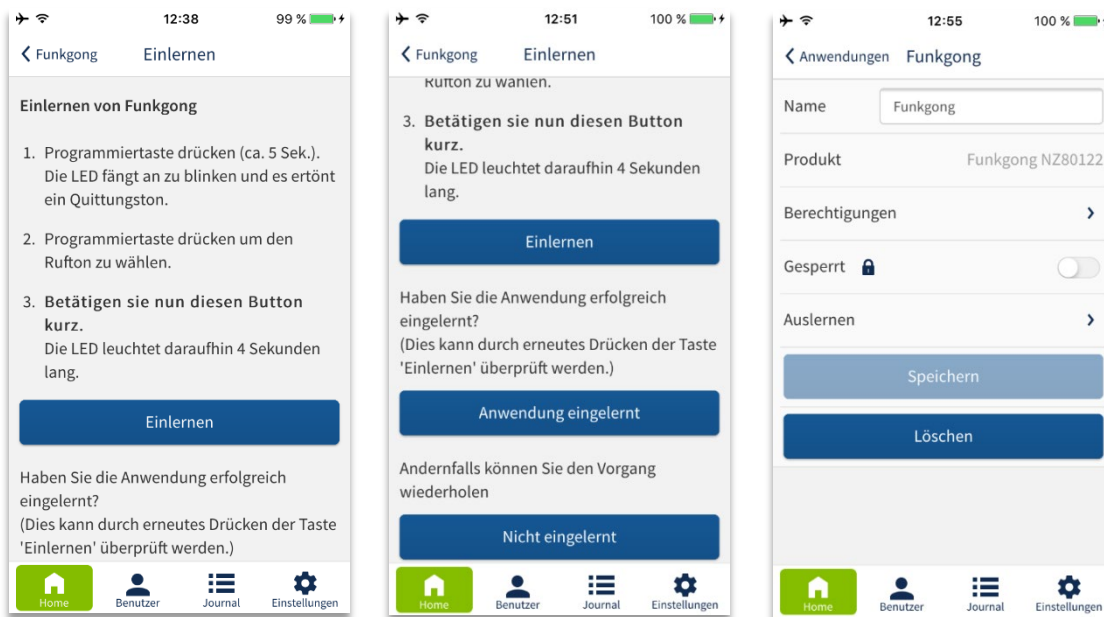## 7.2.b Teach in an application
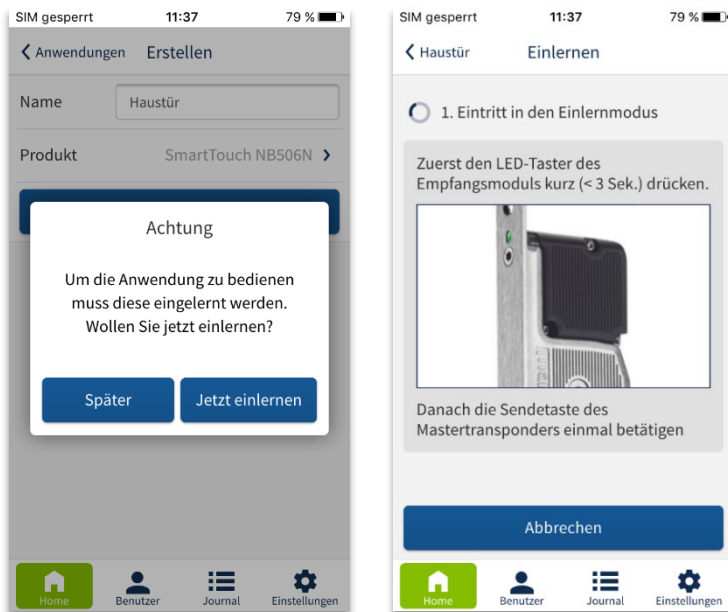
Teach in by the example of the FUHR motor lock

To operate an application with the app, it must be taught in the **SmartConnect easy**.

After the successful creation of the application in the step before, a dialogue window appears. To teach in an application, press *Teach in now* and then follow the instructions exactly. Finalise the process with one click on *Taught in application*.

Pressing *Applications* in the top left corner of the header bar will take you back to the Home screen and you will see the overview of your previous applications.


Teach in by the example of the FUHR radio gong

⚠️ **After creating applications, only administrators are authorised to use them. The following chapter explicitly activates users for operations.**

7.3 Rights of individual users

Administrators are always authorised to operate applications. In the following steps you will learn how users without administrator rights are also authorised to use applications.
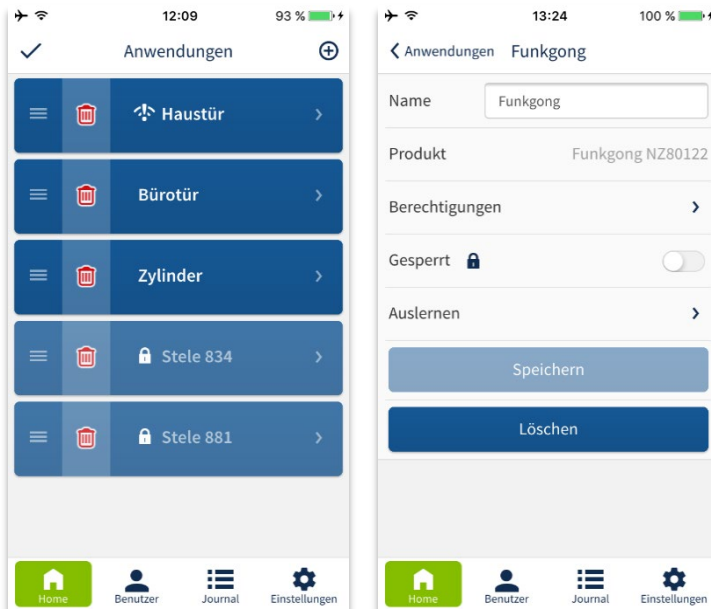
Editing mode

Submenu of the application

In the main menu, go down to the bottom left of *Home*. Now press the pen ✎ in the header at the top left to enter edit mode. Select the application to be edited by clicking on the arrow to the right ❯ of the respective application. Select the submenu *Rights*. An overview of the existing users and their authorisations appears:

The following icons of rights can be displayed to a user:

🛡   The user is an administrator

🕐   The user is authorised for the application for a set time

🔒   The user is locked for the application

☰   The user is authorised to access the journal

📤   The user receives push messages

7.4 Setting rights

In the editing mode of each application, each individual user can be authorised permanently or temporarily.

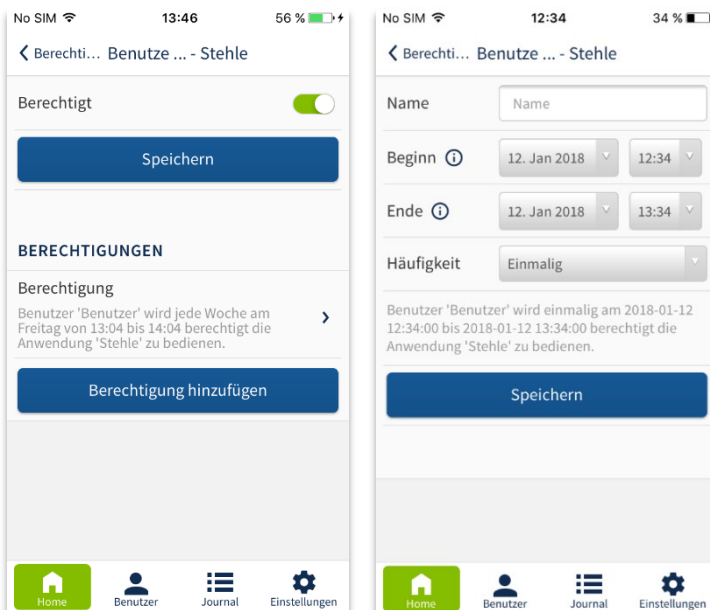⚠️ The temporal authorisations always refer to the time of the **SmartConnect easy**. The date and time are set automatically only when the Internet connection is active. Otherwise, you must set them manually in the *Settings* menu under *Date/Time*.

Overview of the rights of the user

Conditions for the right

In the *Rights* submenu, select a user whose rights are to be edited for this application.

Now activate *Authorised* and then *Save*.

To add a time limited right, select *Add rights*.

Enter the conditions in the window:

- **Name:** Unique name of the separate authorisation, e.g. "Cleaning lady"
- **Start:** Time from which the user is authorised to use this application
- **End:** Time when the user no longer has rights to use the application
- **Frequency:** Interval of how often the user is authorised to use this application: once in the set time window, repeated weekly, monthly or annually.

Complete the process with *Save*. You return to the rights overview of the user. All created rights are now listed under *RIGHTS*.

⚠️ **Make sure that the *Authorised* button at the top is always active. If this switch is disabled, the time-limited rights are also inactive and the user cannot switch applications.**

8 Users

8.1 Administrators

Administrators are users who have the full functionality of the SmartConnect app and can fully operate all applications.

There must be at least one administrator to manage the SmartConnect app. This is specified by default during the initial setup of the SmartConnect App and cannot be deleted. Additional users with administrator rights can be created. All administrators have equal rights. Ideally, only one user with full rights should exist to avoid abuse. Therefore, when creating users, be sure to know what rights you assign. For the daily operation of the applications, it is recommended to log in only as a user without administrator rights.

8.2 Users (without administrator rights)

Users without administrator rights are all regular users, e.g. family members. Each of these users has the right to set and change the own password. Assign unique names and secure passwords to protect your system adequately.

The administrator can lock a user and grant him further rights, for example the right to activate applications. If a user has been locked, he cannot access any **SmartConnect easy** applications.

Please note: Individual users are authorised with name and password, and no devices (smartphone, tablet). You can access the **SmartConnect eas**y from various devices via your login data.

The following icons can be displayed to users:

    The user is an administrator

    Logged in user

    The user is authorised for the application for a set time

    The user is locked for the application

    The user is authorised to access the journal

    The user receives push messages

8.3 Creating a user

We recommend that you create users in a secure environment (the home network), as this requires the extended rights of an administrator. For everyday use, a user <u>without</u> administrator rights is recommended. This way, abuse can be avoided as best as possible.
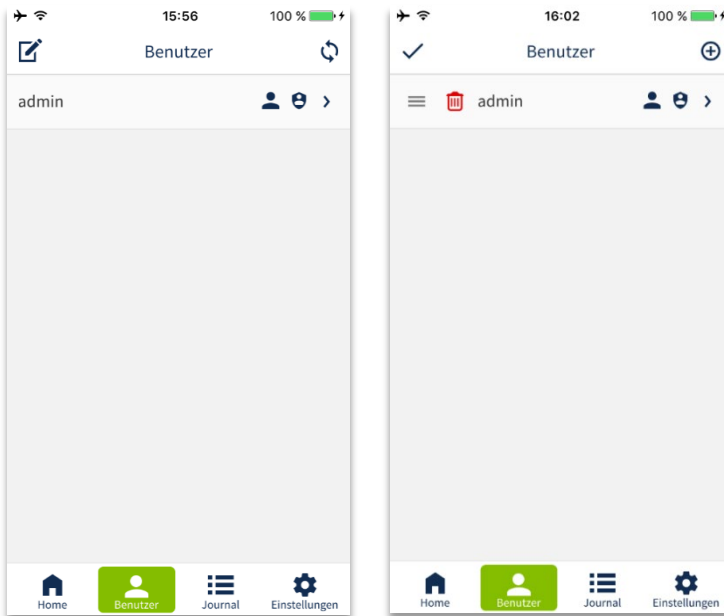
To create a new user, log in as an administrator and click on *Users* at the bottom of the menu bar. Use the pen to go to edit mode and click on plus ⊕.

Enter the name of the user and define a secure password *(see chapter 2.2 Safety instructions for the smartphone)*. Define only unique names so that the user can be assigned exactly later.
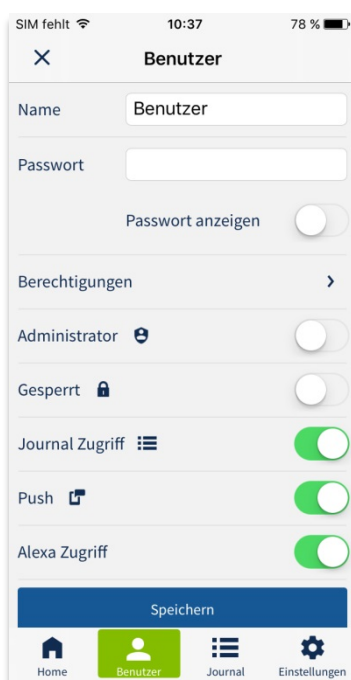
Administrators can set rights for each user:

- **Administrator:** Activate this switch if the user is to be granted administrator rights. These rights may be granted or withdrawn at any time.

- **Blocked:** Activate this switch if you want to temporarily lock the user. He can then neither log on nor operate applications.

- **Journal access:** Activate this switch if the user is allowed to read the journal entries.

- **Push:** Activate this switch if the user is allowed to receive push messages.

- **Alexa access:** Activate this switch if the user is allowed to use Alexa.

9 Journal

Using the journal, you can see all the applications that have been made with the **SmartConnect easy** using the date and time. It is possible to search for entries and to delete the journal completely. By default, journal entries are only visible to administrators, but can be released for users without administrator rights *(see chapter 8.3 Creating a user)*.

9.1 Searching entries
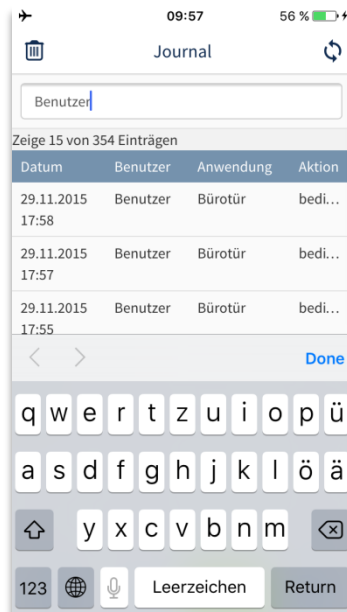
You can search the journal for specific entries. Click on *Journal* at the bottom of the menu bar. If there are a large number of entries, opening the journal may take several seconds.

Click in the *Search* field and enter the desired search term. For example, if you enter a username, all operations that originated from that user will appear.

You can also search for a specific date, e.g. 29.06.2016, or a month, e.g. 02.2016. After entering the search term, click on *Done*. All results found for this search term appear. Use the recycle bin 🗑 to delete the journal.

10 Settings

This menu contains all settings for the SmartConnect App and the **SmartConnect easy**. The individual points are explained in more detail below.

10.1 Changing the language

To change the language, click *Settings*. Under the tab *Language*, all languages are listed, which are available for the app. Choose your desired language. The tick symbolizes the selected language.

After changing the language, the app restarts automatically. If you have not enabled automatic login, log in again.

10.2 Log out

If you change a user or want to log in with another **SmartConnect easy**, you must log out. To do this, use *Log out*. With the log out step, you also deactivate the *automatically 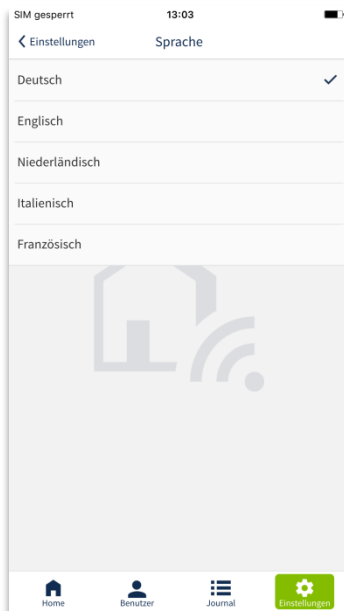log in* switch for this **SmartConnect easy** (*see chapter 5.4 Log in as administrator*). You will need to log in manually the next time.

10.3 Selecting SmartConnect easy

Under *SMARTCONNECTS AVAILABLE* select a **SmartConnect easy**, which can be reached in the current WLAN network or via mobile data. Click on the **SmartConnect easy** to be changed and you will get to the login. As a user without administrator rights, you can also log in automatically - the log in data then remain stored in the smartphone.

The *Demo mode* shows the basic functions of the app even without accessing a **SmartConnect easy**.

10.4 Network Configuration

You can connect your smartphone to the **SmartConnect easy** via a WLAN network or access point mode. In the delivery state, the access point mode is configured. The **SmartConnect easy** spans its own WLAN network and functions similarly to a router. You can also integrate your **SmartConnect easy** into the network of a WLAN router. This connection is recommended because it is more reliable and allows the smartphone to access the Internet at the same time. Remote access (Internet) is not possible in access point mode.
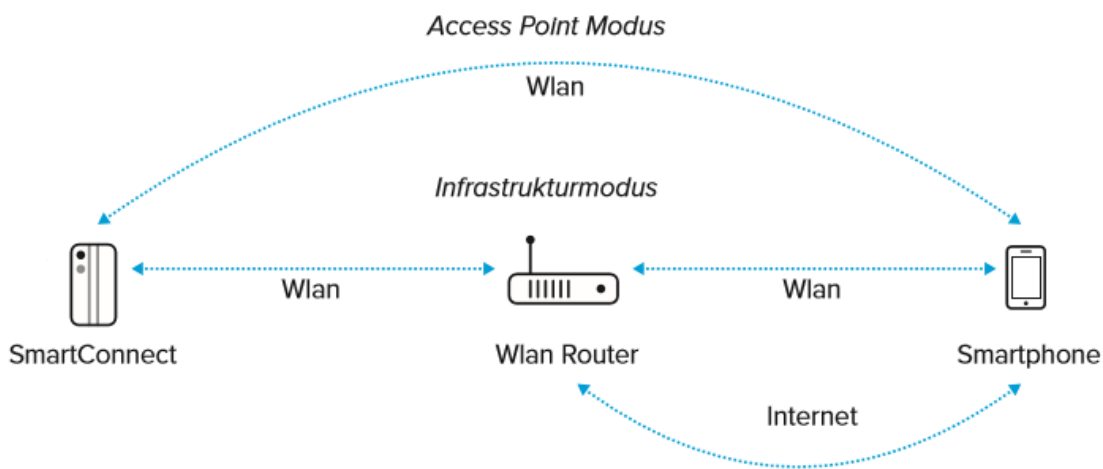
Connection options of the SmartConnect easy

The following icons can be displayed for connections:
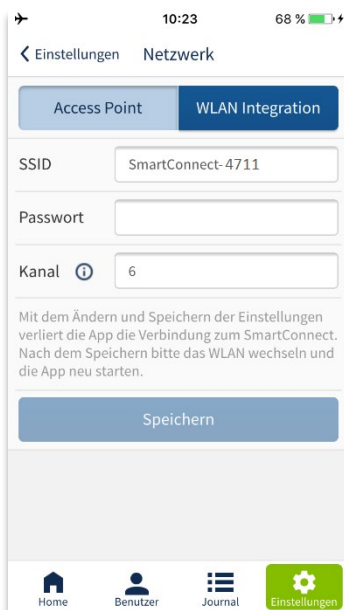
⟨···⟩ Access Point

📶 WLAN integration (infrastructure mode)

🌐 WLAN integration with remote access (Internet)

🔄 Display of the active connection type by updating

10.4.a Connection via access point mode

To set up the access point mode, click under *Settings* on *Network* and select the *Access point* tab.

In the window, enter all required data:

- **SSID:** Name under which the **SmartConnect easy** WLAN network is displayed (e.g. SmartConnect-0123)

- **Password:** of the **SmartConnect easy** WLAN network

- **Channel:** The WLAN channel can be changed if e.g. due to too many users the data transmission is unreliable. Only change the channel if there is a fault or disconnection.

10.4.b Connection with WLAN Integration
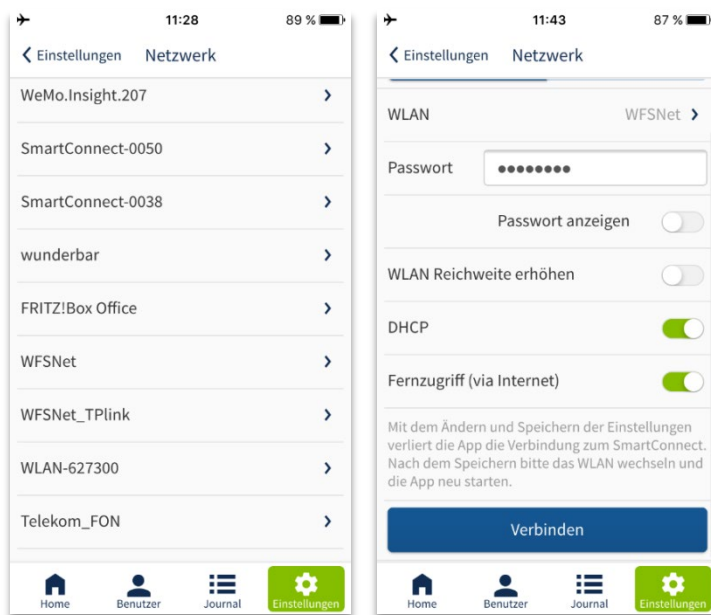
To integrate the **SmartConnect easy** into an existing WLAN, select the tab *WLAN Integration*.

This opens the selection of the WLAN networks that can be reached by the **SmartConnect easy**. Select the desired WLAN and enter its password.

Please note: Users who want to access the SmartConnect via the Internet must first connect to their smartphone locally.

You can also set the following:

- Increasing the WLAN range: Activate this switch if, for example, the selected WLAN network on the front door cannot be received. This will make your **SmartConnect easy** act almost as a repeater.

- DHCP (Dynamic Host Configuration Protocol): This switch is enabled by default. This will automatically integrate your **SmartConnect easy** into your existing network. Only deactivate this switch if you are familiar with this procedure.

- Remote access (via Internet): If you also want to reach the **SmartConnect easy** via the Internet, activate this switch. When connected to the Internet, LED 2 on the **SmartConnect easy** changes from green to orange.

Confirm your settings with *Connect*. Your **SmartConnect easy** will then connect to the desired WLAN. This process can take several minutes.

If the SmartConnect is to be connected to a router via **WPS**, WPS can be activated for approx. 5 seconds by pressing the reset button *(see chapter 12.2 Factory reset of the SmartConnect easy)*.

Please note: If the **SmartConnect easy** is unable to connect to the selected WLAN (for example, if the log in data are entered incorrectly), it will return to the previous *Access point mode.*

If the smartphone is within range of a WLAN network and the remote access of the **SmartConnect easy** is activated, the smartphone decides whether it connects to the Internet via mobile radio or WLAN.

10.5 Changing date/time and time zone
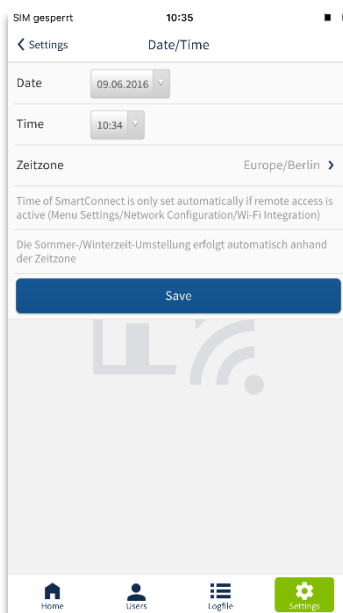
Use *Date/Time* to set the date and time. When the **SmartConnect easy** is connected to the Internet, it automatically retrieves the time via a time server.

For manual setting, click *Date/Time*. Enter the correct data and select the applicable time zone. Regularly check the time of the **SmartConnect easy**. Only in this way can the journal correctly understand which user has operated an application and when.

10.6 Software update

The software of your **SmartConnect easy** and the SmartConnect app should always be up to date to ensure the highest possible level of security. The SmartConnect app is usually automatically updated through the App Store. You can update the **SmartConnect easy** manually in the *Settings* under *Software update*.
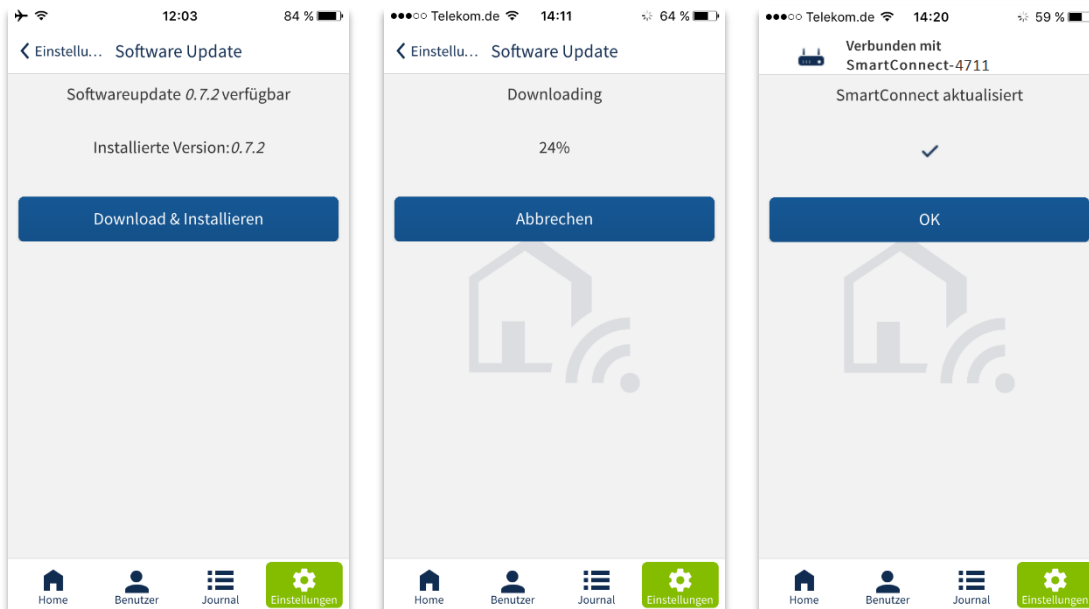
There you can check whether an update is available for your **SmartConnect easy**. If necessary, click on *Download & Installation* and the update will start. The update is first downloaded to the smartphone and then transferred to the **SmartConnect easy** and installed. Depending on the size of the update, it may take several minutes to complete. If the LEDs of the **SmartConnect easy** are flashing, the process is <u>not</u> yet completed; the installation can take up to 20 minutes.

⚠️ **Never disconnect the SmartConnect easy from the mains during the update process. This may damage it so that it needs to be sent to the support unit.**

10.7 Changing the name
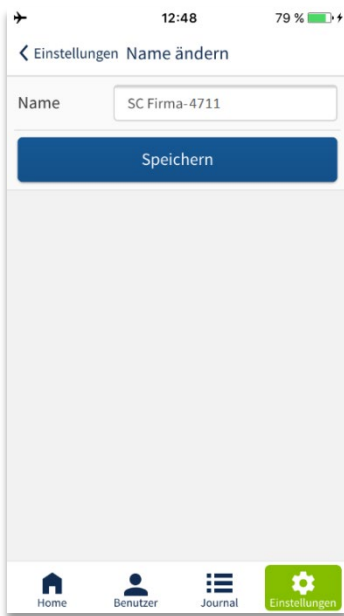
You can change the name of your **SmartConnect easy** in the *Settings*. When using multiple devices, it makes sense to use as accurate a description as possible to differentiate the **SmartConnect easy**, for example *SmartConnect Home* or *SCe Practice*.

Please note: If you change the name of the **SmartConnect easy**, the name of the WLAN network (SSID) that the **SmartConnect easy** uses in access point mode remains unchanged.

10.8 Sending system information
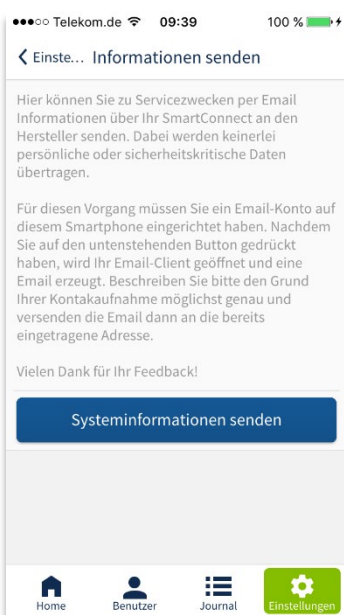
When a service event occurs, you can contact the manufacturer and send information through the **SmartConnect easy**. Clicking on *Send system information* opens the e-mail client of your smartphone - if it has been set up. Describe your concern as accurately as possible and then send the attached file.

Indication: There are no passwords and otherwise as little as possible personal or security-relevant data transmitted.

10.9 Factory settings

Factory settings allow you to reset the SmartConnect app to the delivery state. All applications, users and settings will be deleted. The settings of the smartphone, such as the language of the app, are not reset.

⚠ **This action cannot be undone!**

How to reset the **SmartConnect easy** without an app can be found in *chapter 12 Resetting to delivery state*.

10.10 About
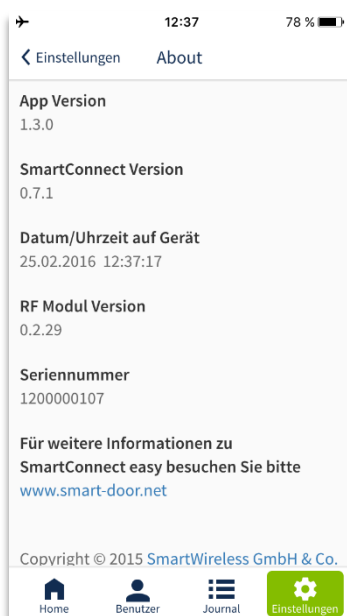
Below you will find the following information:

- Version of the SmartConnect app
- Version of the **SmartConnect easy**
- Set date and time of the **SmartConnect easy**
- Version of the RF module
- Serial number of the **SmartConnect easy**
- UUID
- Website for more information

11 LED signals

You will find two LEDs on your **SmartConnect easy**, which signal a specific device status depending on the colour and flashing status:

LED 1 flashes for approx. 60 seconds while the device starts up and then lights up permanently.

LED 2 lights up in different colours during the WLAN connection.
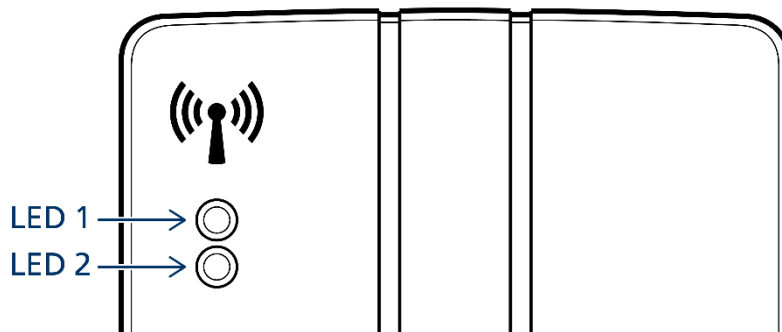
LED 1 ⟶
LED 2 ⟶

The following table lists the individual states:

	LED 1	LED 2
Device start	flashes red	off
Normal operation, no WLAN connection	lights up red	off
Normal operation, WLAN access point mode	lights up red	lights up blue
Normal operation, WLAN integration	lights up red	lights up green
Normal operation, Internet connected	lights up red	lights up orange
Normal operation, WLAN connected, Radio to an application	lights up red	flickers

12 Reset to the delivery state (reset)

12.1 Factory settings in the app

To reset the SmartConnect app to factory settings, see *chapter 10.9 Factory settings*.

12.2 Factory reset on the SmartConnect easy

The factory reset clears all stored data on your **SmartConnect easy**. For example, if you have lost the administrator's log in data, you can re-set all the data. Refer to *Chapter 5 Setting Up the SmartConnect App*.
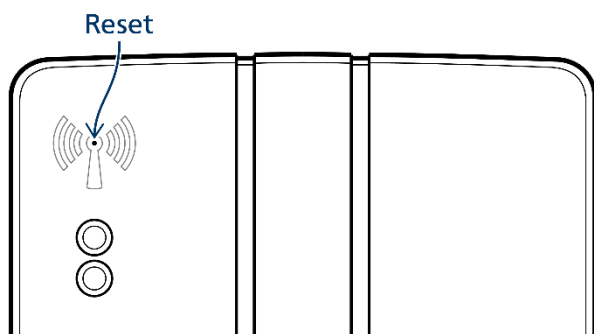
Reset

To perform the factory reset, pick up an approx. 1mm thin object, such as a paperclip. There is an antenna symbol on the front of the housing of your **SmartConnect easy**. In the middle of this symbol is a small opening behind which the reset button is located. The illumination of the two LEDs indicates the reset state (see table below). For a complete factory reset, press the reset button min. 21 seconds until LED 1 lights up and LED 2 flashes.

	Note	LED 1	LED 2
Normal operation		on	
The reset button is pressed under 3 sec.		off	off
The reset button is pressed for 3-10 sec.	WPS button * of the SmartConnect easy	off	on
The reset button is pressed for 10-20 sec.	Reset of the WLAN connection	on	off
The reset button is pressed for 20 sec.	complete factory reset	on	flashes
The reset button is released after factory reset	Device start	flashes	off

* see also chapter 12.4b

12.3 Reset the WLAN connection on the SmartConnect easy

With a connection reset you can reset the WLAN connection. This can be helpful, for example, if a connection to the **SmartConnect easy** can no longer be established after a faulty change of the network configuration. The **SmartConnect easy** then activates the access point mode again *(see chapter 5.1 Connecting the SmartConnect easy to the network)*. Already configured applications and users are retained during this reset.

12.4 Example of a complete factory reset

1. Press the reset button for at least 20 seconds.
2. After 3 seconds, LED 1 will light up (signalling for the WPS button).
3. After 10 seconds LED 2 starts to light up and LED 1 goes out (connection reset).
4. After 20 seconds, LED 2 goes out and LED 1 starts to flash (factory reset).
5. Release the reset button now. All information is now deleted.
6. Reconnect after restarting the **SmartConnect easy**.

13 Technical data

Voltage:	110 – 230V AC, 50 – 60Hz
Power consumption:	13mA, 3W (max.)
Dimensions l x w x h	140 x 75 x 70 mm³
Protection type:	IP 40
Operating temperature:	5°C – 50°C
Air humidity:	10% - 90%, non-condensing
Radio	WLAN 802.11 b/g/n Optional WLAN 802.11 a/c 868.3 MHz and 868.92 MHz
WLAN security:	WPA 2 after allocation of the WLAN password
Connection encryption:	SSL with RSA certificate
Conformity:	Directive 99/005/EC
Declaration of conformity under:	www.smart-door.net

Operation manual for SmartConnect easy

Version: June 2018

14 FAQ

Q1: **Why is the LED 2 of my SmartConnect easy not lit?**

A: LED 2 indicates the connection to the network. If you have not yet connected your **SmartConnect easy** to the smartphone or WLAN router of your home network at the start of setup, LED 2 does not light up. As soon as your **SmartConnect easy** is connected to the network, LED 2 flashes green (= connection) or lights up orange (= connection successful).

Q2: **Why is the teach in of the SmartTouch application unsuccessful?**

A: Check the order of your teach in process: First, confirm the *Teach in* button in the SmartConnect app and then place the **SmartTouch** receiver in teach in mode *(see chapter 7.2 b Setting up an application* and the operation manual of the SmartTouch receiver on www.fuhr.de).

Q3: **Does the data remain in the SmartConnect easy in the event of a power failure?**

A: Yes, all data is permanently retained. Thanks to an internal energy storage, the clock of the **Smart Connect easy** will continue to run for up to 4 weeks after a power failure.

Q4: **How safe are my applications when operated over the Internet?**

A: All data is SSL-encrypted, comparable to the security level of online banking.

Q5: **Is there an app for Windows smartphones?**

A: No, no app is currently available for Windows devices.

Q6: **Can unauthorised persons connect to the WLAN of my SmartConnect easy?**

A: No, no connection is possible without the necessary WLAN password. When assigning the passwords, ensure sufficient security.

Q7: **If the WLAN password is known, can an unauthorised person operate my applications?**

A: No, without knowledge of the login data (administrator, user) it is not possible for unauthorised persons to operate applications in the app. When assigning the passwords, ensure sufficient security.

Q8: **Can several applications be created that operate the same device?**

A: No, you can only create one application for one device at a time. As soon as there is a duplication, an error message appears.

Q9: **What happens after incorrect entry of the password?**

A: If you have entered the password incorrectly, re-entry is only possible after a time delay of 2 seconds. If you make another mistake, the delay increases to 4 seconds, then to 8 seconds, and so on. A complete lockout does not occur.

Q10: **What settings can a user without administrator rights change?**

A: A user without administrator rights is only allowed to set and change his password. The administrator can unlock his applications and extend his rights (*see chapter 8.2 Users*).

Q11: **Can a user with multiple smartphones be logged in at the same time?**

A: Yes, it is possible to log in several smartphones of the same user (same user name and password) on the **SmartConnect easy**.

Q12: **Can multiple smartphones access the SmartConnect easy at the same time?**

A: Yes, you can use multiple smartphones to access the **SmartConnect easy**.

Q13: **Is it possible to open my door after a factory reset of the SmartConnect easy by unauthorised persons?**

A: Yes, individual applications (those without status message to the **SmartConnect easy**) can also be taught in again without a master key. Please make sure to install your **SmartConnect easy** within a building and protect it from unauthorised access.

Q14: **How do I know if the smartphone is connected to a WLAN network?**

A: Data can only be transferred from the smartphone when connected to the **SmartConnect easy**. If this is done via WLAN, it makes sense to check the WLAN connection. If the mobile connection is active, this is no longer visible in the upper status line of the smartphone. To check the WLAN connection status, turn on Airplane mode, and then only WLAN. Alternatively, you can check in the WLAN settings whether and with which WLAN the smartphone is connected.

Q15: **I lost my smartphone, what should I do?**

A: You can log in from any smartphone with an administrator account and make any changes. Assuming you are near the **SmartConnect easy** and have the SmartConnect app installed.

Use the administrator account to lock the user who is logged in to the lost smartphone. Afterwards, applications can no longer be accessed by this user. At best, also change the passwords of your home WLAN network or **SmartConnect easy** (in access point mode).

Q16: **How do I ensure the best security of my applications?**

A: The **SmartConnect easy** uses the latest encryption methods. In addition, the security of data transmission is ensured by a secure WLAN password. Only assign secure passwords and change them from time to time.