i-record is the innovative solution to configure record doors. With the help of a dongle, called WiDI (Wireless Door Interface), which is attached to the door, the authorized technician can connect to the door via Bluetooth® using an i-record Android app. With just a few clicks, the door can be put into operation, parameters and sensors can be configured, software can be updated, and an error analysis and troubleshooting can be carried out.

On this website, you will find information and help about i-record. It describes the functionality of i-record, the individual components, and problem solutions. In addition, under support, you can find the release notes for the app, the minimum requirements for the mobile device, and much more useful information.

The following door systems are supported by i-record:

- System 20 sliding and folding doors

- DFA 127 swing doors (software version >= 2.0)

- KST 200 revolving doors

- SPEEDCORD rapid shutter doors

- New release V2.2.0 of the i-record App on 14.11.2022, see release notes

Basic Requirements

To work with i-record the following requirements must be met:

- An active license pool with valid, stored payment data.

- The user, with a valid account on the country website, must have been added to the license pool and verified.

- At least one WiDI (with 4-digit alphanumeric serial number) must have been added to the license pool and verified.

- A mobile device/tablet with Android operating system (minimum requirements) and i-record app installed.

The i-record app can be downloaded from the Google Play Store and installed on the mobile device.

Application for a license pool

If an organisation/company wants to use i-record for the configuration and maintenance of record doors, a license pool must first be applied for at the record country organisation. This can be done either via the own web account on the respective country website or by calling the country company directly.

Purchase of a WiDI

A WiDI (Wireless Door Interface) is required as an interface to the record door system. If the WiDI is plugged into the door controller, the door can be accessed via Bluetooth® using the freely available i-record app. WiDI sharing is possible within a licence pool. However, for optimum flexibility, one WiDI per user is recommended.

Article number	Name	Remark
102-902401000	Configuration tool i-record	WiDI, CAN cable and bag
102-902813766	CAN cable for WiDI, L = 180 mm	CAN cable only
102-902401003	Global ID labels (1 roll of 250 labels)	

For further information and WiDI orders, please contact your record sales partner.

i-record App

The i-record App is available for Android for free in the Google Play Store.

Technical Overview

i-record is the innovative system to configure record doors. With the help of a dongle called WiDI (Wireless Door Interface), which is connected to the door control, the authorized user can connect to the door via Bluetooth® using an Android app. With just a few clicks, the door can be put into operation, configured, software updated and a diagnosis and troubleshooting carried out.

The i-record system includes the Android app, WiDI and the record servers. On these servers, the i-record license pools are located. They contain all the users and WiDI of an organization. Without the user and his WiDI being added to such a license pool, the user cannot use i-record.

Once the allocation between WiDI, user, and license pool has been made, the user must log in to the app once with the access data (e-mail/password) of the record website. If the initial login is successful, various data is downloaded from the record servers. This includes, for example, licenses for all WiDI contained in the license pool and software

packages for the door control components (in particular STA, BDE, sensors). Once this process is complete, the user is now able to configure record doors. The following door systems are supported by i-record: system 20, DFA 127 (software version >= 2.0), KST 200, and SPEEDCORD.

At the door, the WiDI is connected to the service interface of the record door. This is either located outside the door box on the post, or inside on the controller. As soon as the WiDI is connected and supplied with power, the LED of the WiDI lights up blue. The user can now start the i-record application on his mobile device (tablet/smartphone) and connect to the door via the WiDI.

At the beginning of the connection, a check is made in the background to see if the user has a valid license for this WiDI and this type of door. If this is the case, the connection is released and the LED changes to green. The i-record app is now connected to the door and the user can configure the door.

i-record App

Download & Requirements

The i-record app is free and available for Android devices (see minimum requirements). It can be downloaded from the Google Play Store.

In order to use the app, you must log on to the record server when you first log on and agree to the terms of use. For this purpose, an account is required on the website of the respective record subsidiary. Furthermore, the user and his WiDI must have been added to the same license pool and verified.

Initial Registration

When the i-record app is started for the first time, the user is automatically guided through an initial login, which initializes the application. Therefore you can find under the following link a video that shows the download and installation of the i-record app via the Google Play Store, as well as the initial registration.
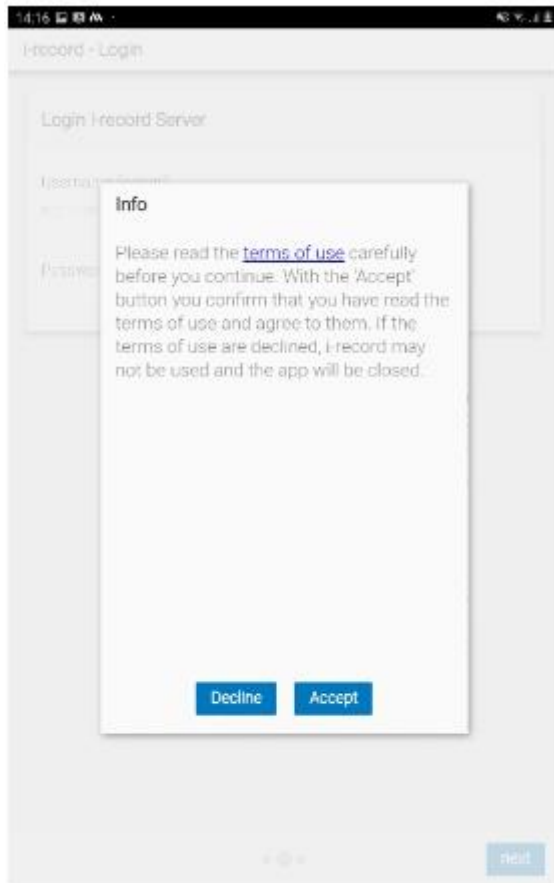
The first login is simple, fast and consists of the following steps:

- Language selection: First of all, the desired language must be chosen. Available languages are English, German, and French.
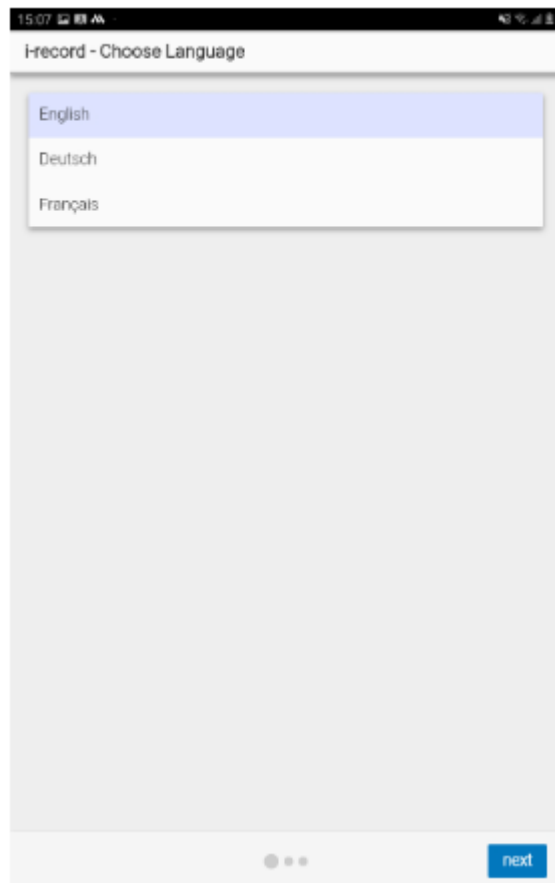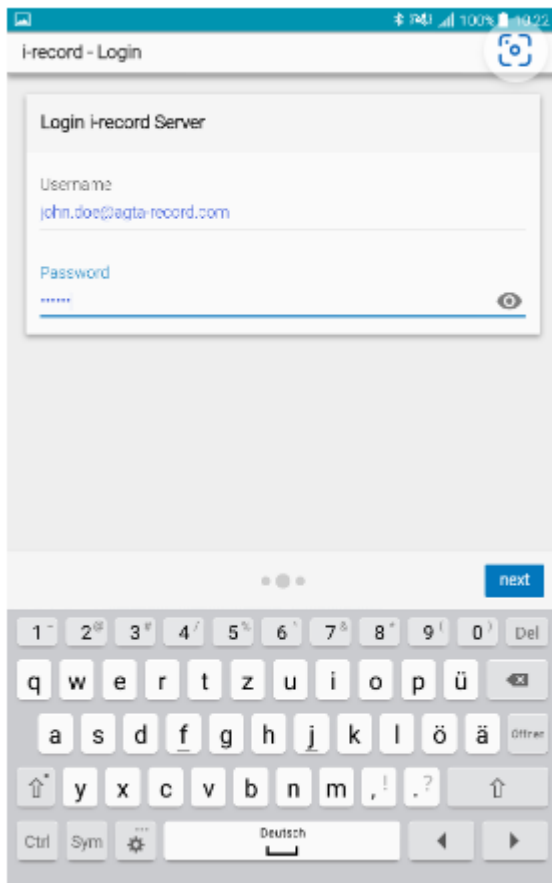
Confirm the selection with the "Next" button.

- Accepting the terms of use: In order to use i-record, the terms of use must be accepted.

- Entering credentials: The next step is to enter the access data (e-mail/password of the record website).

Confirm the entry with the "Next" key. If the access data is correct, the app will connect to the i-record server. The required data, such as licenses and software update packages are downloaded. When this process is completed, the following message appears:
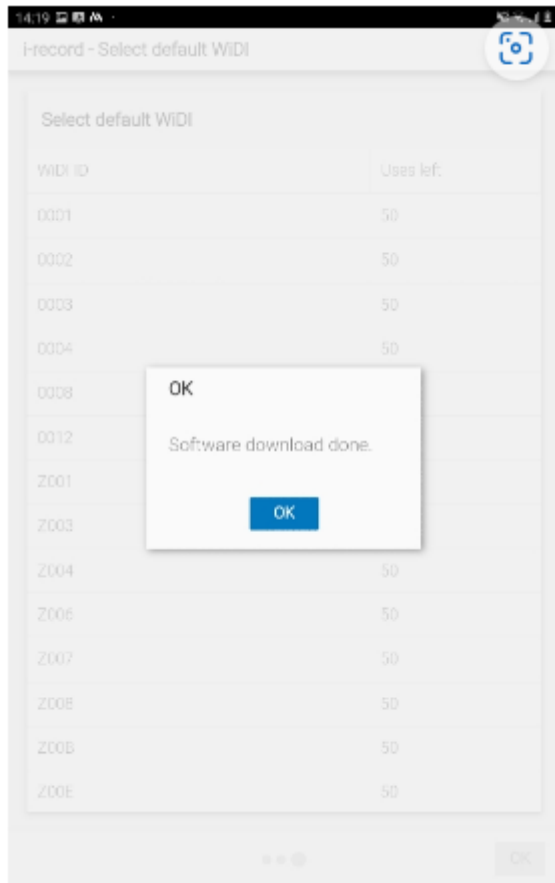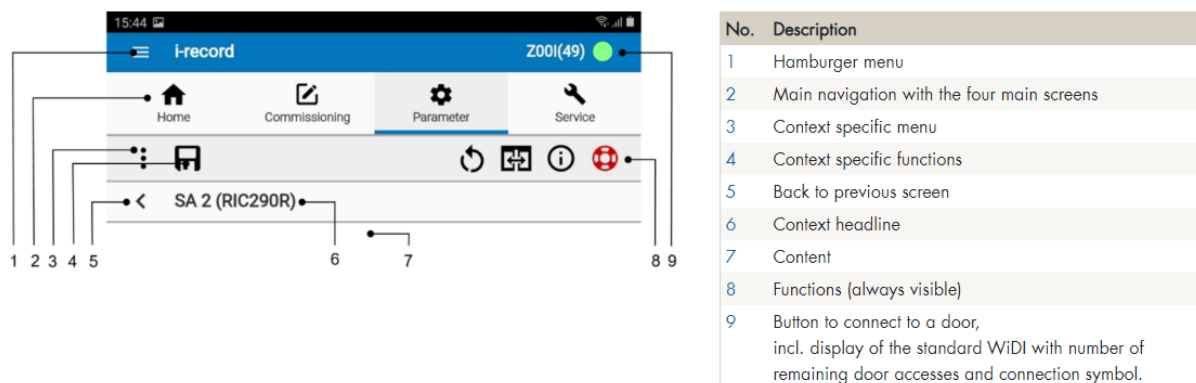
Confirm with the "OK" button.

- Selection of default WiDI: For each WiDI in the license pool, the user receives a valid license with 50 door accesses. From this list, the own WiDI must now be selected as the default WiDI.
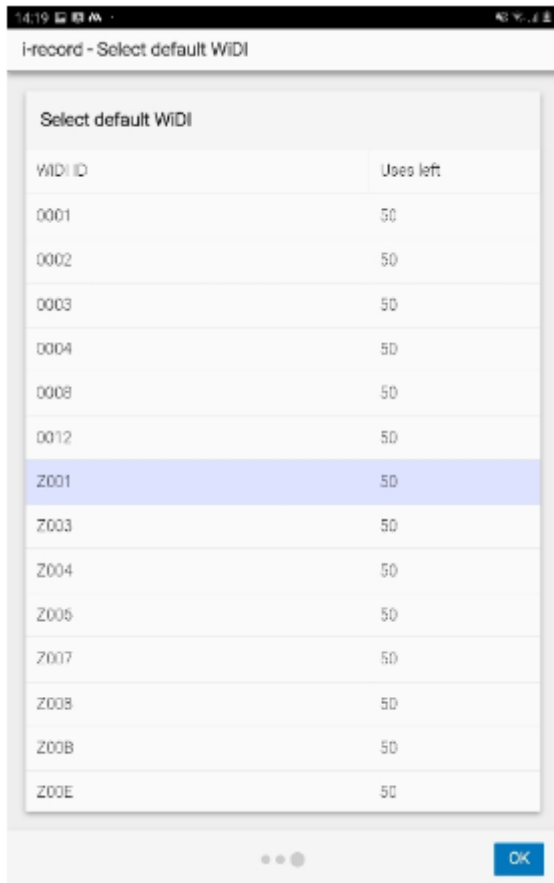
Confirm with the "OK" button. The initial registration is now complete and the app is ready to use. The user can now connect to his WiDI and configure doors.

App Structure

This section describes the structure of the app. The header of the app looks as follows:

| No.	Description
1	Hamburger menu
2	Main navigation with the four main screens
3	Context specific menu
4	Context specific functions
5	Back to previous screen
6	Context headline
7	Content
8	Functions (always visible)
9	Button to connect to a door, incl. display of the standard WiDI with number of remaining door accesses and connection symbol.

- 1 Hamburger menu: At the top left is the hamburger menu. The following functions are located here:

  - Data synchronization with record server: Download and update of data (only active if not connected to a door)

- Settings of the app

- Licenses: Listing of all WiDI licenses in the license pool including the remaining number of door accesses per WiDI

- BDE tool: Help function for error codes at the door.

- Support form: easy reporting of errors (only active when connected to a door)

- About: General information about the app including the version

- Logout: Logoff of the user (login data including licenses will be deleted)
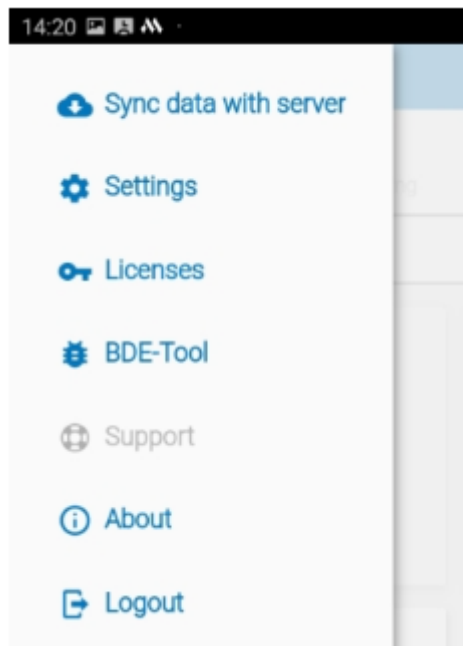
2 Main navigation

The main navigation with the 4 tabs allows you to switch to the four main areas at any time. These are:

- Home screen

- Commissioning

- Parameters

- Service

Each main area is structured with the help of tiles, which allow an easy jump to the desired function or context.


The home screen provides a good overview of the condition of the door. At a glance, central information of the connected door is visualized here, in particular the operating mode set, any errors, as well as existing, new software updates. If the i-record app is not connected to a door, only the tile for the data synchronization with the record server is active.
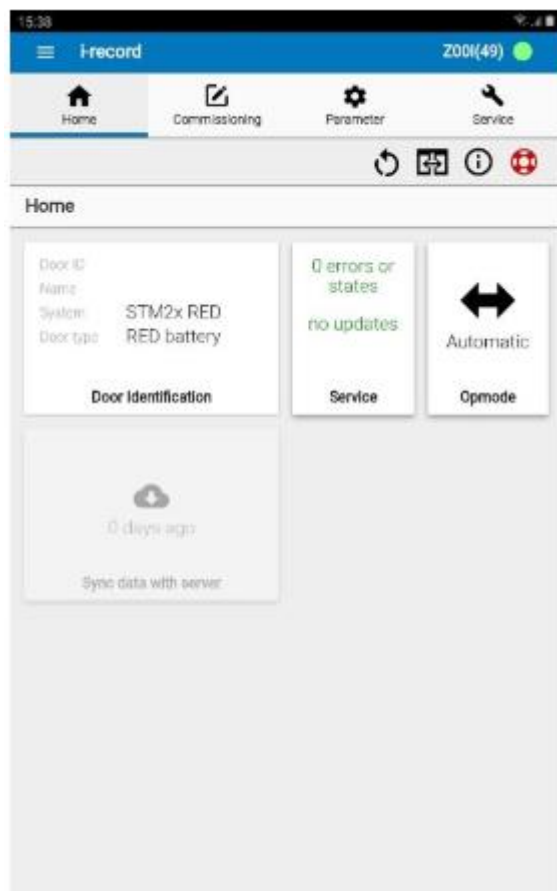
Under Commissioning you can choose between full commissioning (door and sensor learning), door learning, and sensor configuration.
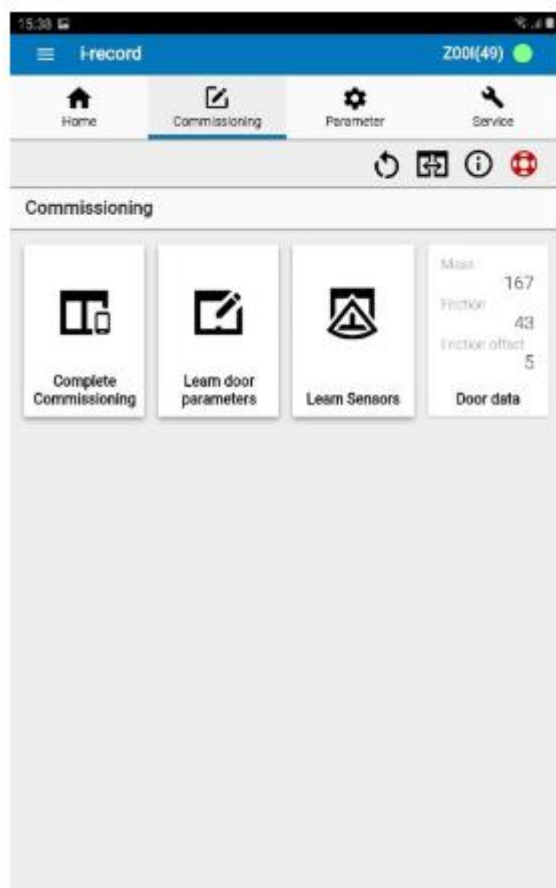
The door and sensor parameters can be configured under Parameters.
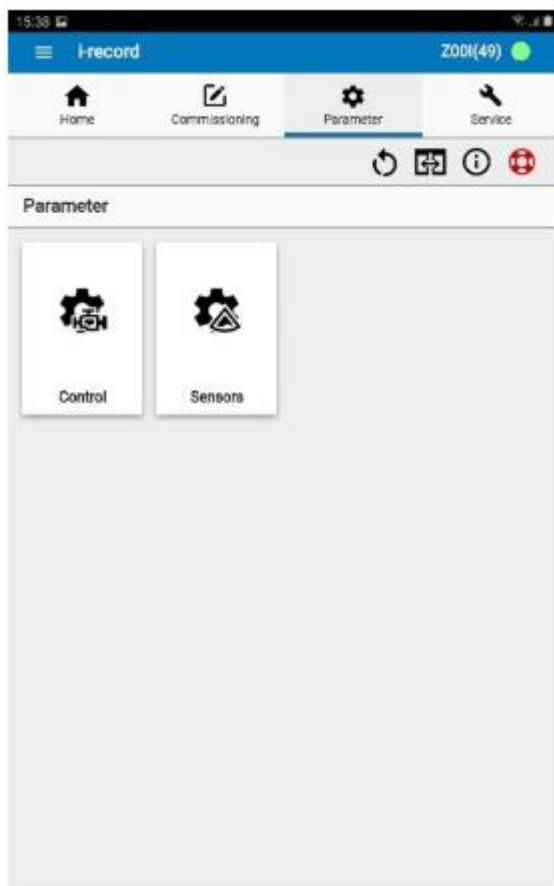
Finally, the service area has an important meaning for the technician. Here he has access to all information and functions required for service and maintenance. Here, among other things, door data, the status of the software, current errors, maintenance counters, and the operating mode. In addition, the software can be updated, the protocol read out, the inputs displayed (diagnosis), and various other functions executed with only a few clicks.
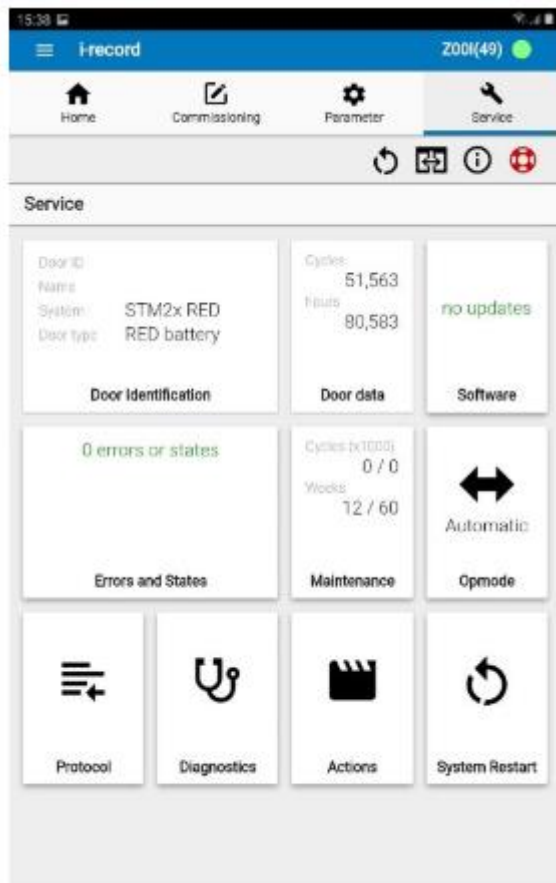
3 Context-specific menu

With the help of the three dots, a context-specific menu can be called up. It contains functions for the currently context. For example, you can perform background learning for the sensors or set the sensor parameters back to the default or factory settings.

4 Context-specific functions

In the light grey bar, context-specific functions appear with which functions can be executed. For example, a memory icon appears under Parameters.

If this icon is still grayed out, no parameter value has been changed in the current context. As soon as a new parameter value is entered, the color of the icon changes to black. By pressing the icon, all changed values are first displayed in a window. If the user confirms the changes, all changed parameter values are stored on the controller.

A second example is the RED --> DUO or DUO --> RED toggle function that appears during software update. In the case of a RED door, a specific icon is displayed.

If this icon is pressed, the current software update packages of a DUO door are displayed. By pressing the update icon "Update all nodes", the RED door becomes now a DUO door. To change from a DUO to a RED door, press a different icon.

5 Back button (Arrow)

Below the bar with the context-specific functions, there is an arrow icon that points to the left. This icon is used to return to the previous screen. For this reason, this button is called the "back button".

6 Context headline

To the right of the "back button" is the "context headline".

7 Content

Just below the whole application header, the content of the context page is displayed. These are, for example, the values of the parameters, the diagnosis of the inputs, or the error list.

8 Functions

The following four functions (icons) are always present, as they must be executable at all times:

Icon	Meaning
↺	Restart of all CAN nodes
⇄	SSK: Key switch contact
ⓘ	Status / Information
⊕	Support form

- Icon for "Restart of all CAN nodes"

- Icon for "SSK: Key switch contact"

- Icon for "Status / Information"

- Icon for "Support form"

9 Connection to the door

The default WiDI is displayed in the upper right corner. The remaining door accesses of the current used license are shown in brackets. The symbol on the right shows the status of the Bluetooth® connection to the door. If the app is not connected to a door, a white plug is displayed.
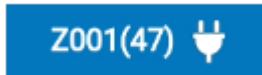

To connect the app via Bluetooth® to the door, press the text or the plug. As soon as the connection is established, the plug changes to a green symbol.

The door can now be configured. As you can see in the picture, the number of door accesses of this license has been reduced by one. There are 46 door accesses left before you have to connect to the record server again to update the license of this WiDI. Pressing again the text or the green symbol will disconnect the connection.

Difference between closing the app and logging off the user (Logout)

In the i-record app, a distinction must be made between the normal closing of the app and the menu item "Logout". If the i-record app is closed via the task manager view, the access data to the record server as well as all downloaded data incl. licenses will be kept. The next time the i-record app is started, the user does not need to log on to the record server again. He can therefore start working immediately.
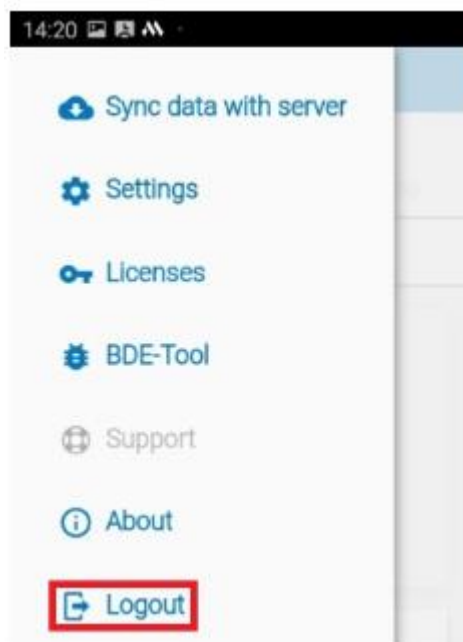
If the user chooses "Logout" from the hamburger menu in the upper left corner of the app, the user is permanently logged out of the application. Its locally stored data, such as login information and licenses, are deleted immediately. The next time the i-record app is started, an initial login must be carried out again. The "Logout" function is

intended either to change the user on the mobile device or to lock the app for unauthorized persons.

WiDI (Wireless Door Interface)

Introduction

To connect the i-record app via Bluetooth® with a record door, a WiDI (Wireless Door Interface) is required. The WiDI can be connected to the service interface of the door and enables a wireless connection to the door. Using the i-record app on a mobile device, the door can be configured.

The WiDI has a unique four-digit alphanumeric number. In order for the user to connect to the WiDI via the i-record app and therefore to the door, the user must have a valid license for this WiDI. This license includes user details, the WiDI number, user rights, the door families permitted for the user and the door accesses still available. Without such a license, no connection to the door is possible and an authentication error will appear in the i-record app. But how does the user get such a user and WiDI-specific license? After the user has logged on to the record server, he automatically receives licenses for all WiDI in the same license pool. Such a license allows the user to connect to a record door 50 times without connecting to the record server again. To renew the licenses, the user only needs to synchronize the app with the record server. Afterwards he can work offline again for 50 door accesses.

Bluetooth® version: Bluetooth® Classic (version 3)

1 Housing

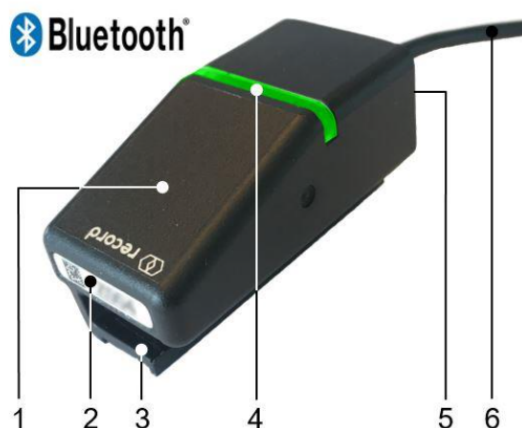2 Four-digit alphanumeric number for unique identification (with data matrix code)

3 Clip with magnetic stripe for mounting on the door side

4 LED light guide as display of status

5 RJ10 connector

6 CAN cable, length: 180 mm, for the connection to the door control

Housing

No.	Description
1	Housing
2	Four-digit alphanumeric number for unique identification (with data matrix code)
3	Clip with magnetic stripe for mounting on the door side
4	LED light guide as display of status
5	RJ10 connector
6	CAN cable, length: 180 mm, for the connection to the door control

Status Display

The color of the LED light guide indicates the state of the WiDI. The meaning of the colours is as follows:

Colour	Meaning / Status
-	WiDI is not connected to an external power source.
Orange	Initializing Bluetooth® .
Blue	Bluetooth® is ready for connection.
Green	User has authenticated to the WiDI and is now authorized to configure the door.
Magenta (blinking)	Software of the WiDI is updated.

Colour Meaning / Status

- WiDI is not connected to an external power source.

Orange   Initializing Bluetooth® .

Blue   Bluetooth® is ready for connection.

Green User has authenticated to the WiDI and is now authorized to configure the door.

Magenta (blinking)   Software of the WiDI is updated.

Settings Options

The WiDI settings are located in the general settings, which can be opened via the hamburger menu. The two values "Buzzer" and "WiDI Bluetooth Performance" can only be read and changed if the app is connected to a WiDI.
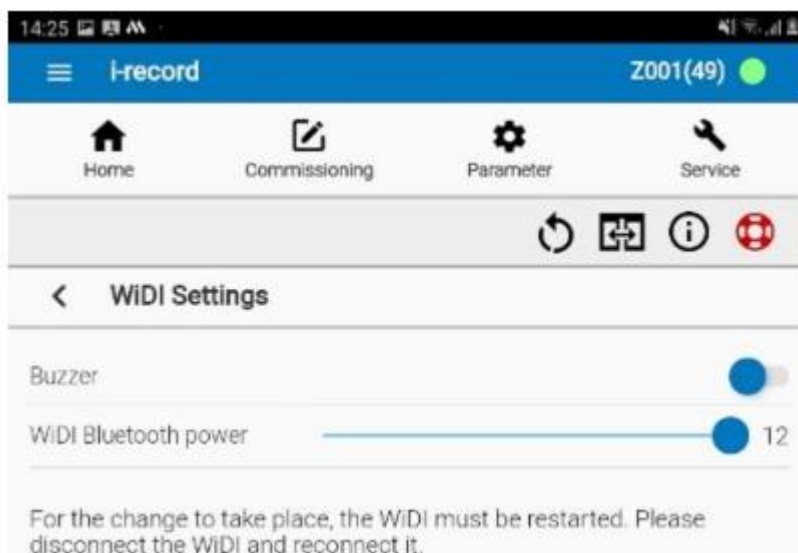
With the first setting the buzzer can be activated or deactivated. The buzzer is used to inform the user that the connection between WiDI and application has been terminated. In the intended case, i.e. when the application is actively terminated by the user (no logout!), the buzzer beeps three times. But if the connection is terminated without intention, the buzzer will beep ten times. One reason could be that the user with his

mobile device is too far away from the WiDI and therefore the Bluetooth® connection is interrupted.

With the second setting you can adjust the Bluetooth® performance of the WiDI and thus its range.

License Pool

Introduction

Although the license pool is not directly visible to the individual i-record user, it plays a central role in i-record. If a user and his WiDI is not part of an active license pool, he cannot work with i-record. But what is a license pool?

In a license pool all users, user rights and WiDI of a single organization/company are organized. The license pool is subject to a fee and is located on the record server. The pool manager of the organization can now add or remove users and WiDI from his license pool, via his web account. When a user, who is registered and verified in the license pool, connects to the server via the i-record app, the user automatically receives licenses for all WiDI verified in the license pool. In addition, all necessary data for using i-record, as well as software packages for the door control components (especially STA, BDE, sensors) are downloaded. If this is done successfully, the user can now work with i-record.
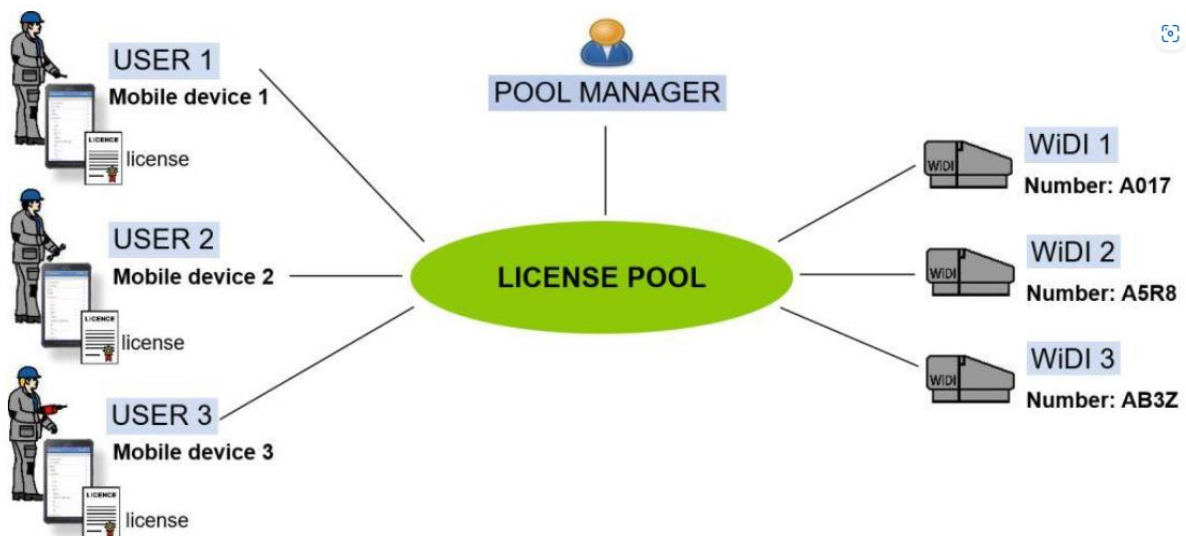
i-record Administration Page

An organisation/company can manage i-record via its web account at the respective country society. The user must first log in to the respective country website using email and password. His web account can be accessed by pressing the closed lock in the header of the website (see below).

On the "My Account" page you will find the personal details. This includes e-mail address, name and address details. The link "i-record", which is located in the blue bar, takes you to the administration page of all your license pools.

On the "i-record" page that now opens, you can see your own existing license pools and all open license pool requests. You can also request a new license pool on this page.

Application for a License Pool

In order for an organisation/company to use i-record for the configuration and maintenance of record doors, a fee-based licence pool must first be applied for from the record country organisation. There are two different ways to apply for a license pool:
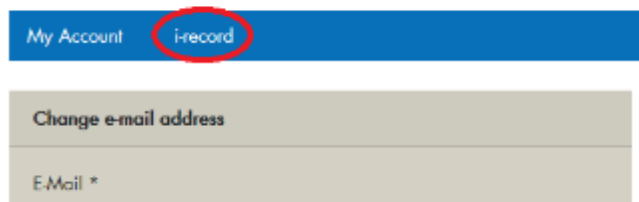

Directly by telephone with the responsible record subsidiary

Online, via your own web account on the respective country website

In the following section we will briefly describe the license pool application via the web account:

On the license pool administration page, a new fee-based license pool can be requested by pressing the "Submit an application" button.
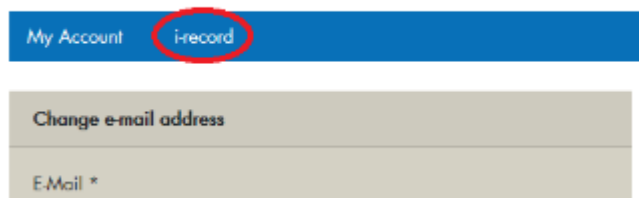
My account

My Account	i-record

Change e-mail address

E-Mail *

In the opening form, all the data required for the application, such as company name, name, address, e-mail and phone number, can now be entered. The e-mail of the desired pool manager, who will later manage the license pool, must also be filled in. It is important to mention that the pool manager must also already have a valid account on the website.

My account

My Account	i-record

Change e-mail address

E-Mail *

Once the form is completely filled out, it can be sent by pressing the "Submit an application" button.

record will now check the details of the application and contact you if necessary. If the application is approved, record will open a license pool. The person responsible for the license pool in the application will be entered as pool manager. This pool manager is then informed by email that the license pool has been opened. The pool manager is requested to enter the missing address data on the website. After the terms and conditions have been accepted, the payment data must be entered. Once everything has been filled in and saved, the license pool changes from the "Initialization" state to the "Active" state. The pool manager can now add users and WiDI to the license pool.

Management of a License Pool

The license pool is managed by the pool manager. The pool manager is the person responsible for i-record in an organisation/company. He can add users and WiDI to the license pool and remove them from it.

After the pool manager has logged on to the respective country website using e-mail and password, he has access to the license pool via his web account. As described above, the link "i-record" can be used to display an overview of all license pools assigned to him. The table "License Pools" shows the license pool number, billing address, status and number of users and WiDI assigned to the license pool. To view the details of a license pool, click on the blue "Display" button.

Here you can see the data of the specific license pool. First, all users and WiDI added to the license pool are listed. Further down are the billing and payment information of the pool. This includes contact and payment information, an overview of the last monthly billing, and monthly statistics on the number of door accesses per user/WiDI.

Adding a user

To add a user, press the "Add user" button below the user table.

In the window that now opens, the user's e-mail address can be entered.

Important: The user must have an account on the website of the respective country company. In addition, the user must only belong to one license pool at a time. If the user is already part of another license pool, an error message will appear when trying to add the user to the new license pool.

The user's e-mail address is now visible in the user list. The user has not yet been verified by record. As long as this is not the case, the user cannot use i-record.

As soon as the user has been verified by record, the pool manager receives a confirmation by e-mail. In the table, the user now has a green check mark and the remark "verified". The user can now log on to the record server via the application and is now able to configure record doors.
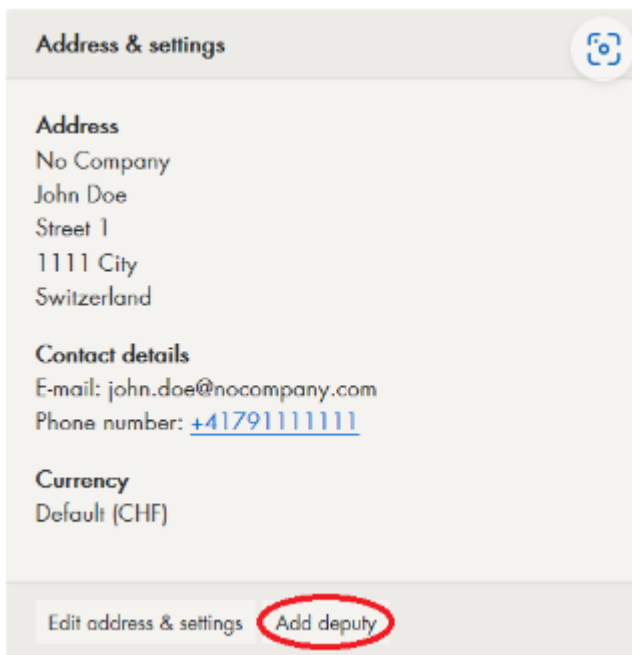

Removing a user

To remove a user from the license pool, the link "remove" can be clicked in the user list. After confirming this action, the user is immediately removed from the license pool. He can no longer connect to the record server to receive new, updated licenses.

Adding / removing a WiDI

In order to assign a WiDI to a license pool, it must not already be assigned to another license pool. In addition, the WiDI must be valid (not registered as stolen or lost) in order to add it to the license pool. The process of adding and removing a WiDI is similar to the process for the user. Again, record has to verify the new WiDI before it can be used for i-record.

Adding a deputy

The pool manager can add a pool manager deputy for the license pool. This deputy has the same rights as the pool manager and can therefore manage the license pool in his or her absence. To do this, click on "Add deputy" below the address details. The e-mail address of the deputy, who is also registered on the record website, can then be entered in the window that opens. The deputy can then access the license pool via his or her own web account.

Door systems supported by i-record

This page lists the door systems supported and not supported by i-record.

Supported:

Door type   Door system   Control (SW version)

Swing doors   DFA 127

C 127 SU

Series 6100/8100/8500   STG DFA 127 (>= V2.0)

STG DFA 127 (>= V2.0)

STG DFA 127 (>= V2.0)

Sliding doors System 20

    STA 20

    STA 20 DUO

    STA 20 RED

    STA 21

    STA 21 RED

    STA 21 UNI

    STA 21 X

    STA 22

    STA 22 DUO

    STA 22 RED

XPLORER 4

Series 5100

STM 20 / STG 20 UNI

STM 20 RED/DUO

STM 20 RED/DUO

STM 21

STM 21 RED

STM 21 UNI

STM 21 X

STM 22 RED/DUO

STM 22 RED/DUO

STM 22 RED/DUO

STM XPLORER 4

STG System 20

Folding doors FTA 20

FBO 20

Series 4500

Flip Flow

Flip Flow (USA)   STM 20

STM 20

STG System 20

STG 20

STG System 20

Revolving doors   K22

K32

K42   KST 200

KST 200

KST 200

Curved Security Portal   R65 (MP200) SST 200 (STM20/STM20 UNI)

Rapid shutter doors   SPEEDCORD   SPEEDCORD Controller

Supported:

Door type	Door system	Control (SW version)
Swing doors	DFA 127	STG DFA 127 (>= V2.0)
	C 127 SU	STG DFA 127 (>= V2.0)
	Series 6100/8100/8500	STG DFA 127 (>= V2.0)
Sliding doors	System 20	
	STA 20	STM 20 / STG 20 UNI
	STA 20 DUO	STM 20 RED/DUO
	STA 20 RED	STM 20 RED/DUO
	STA 21	STM 21
	STA 21 RED	STM 21 RED
	STA 21 UNI	STM 21 UNI
	STA 21 X	STM 21 X
	STA 22	STM 22 RED/DUO
	STA 22 DUO	STM 22 RED/DUO
	STA 22 RED	STM 22 RED/DUO
	XPLORER 4	STM XPLORER 4
	Series 5100	STG System 20
Folding doors	FTA 20	STM 20
	FBO 20	STM 20
	Series 4500	STG System 20
	Flip Flow	STG 20
	Flip Flow (USA)	STG System 20
Revolving doors	K22	KST 200
	K32	KST 200
	K42	KST 200
Curved Security Portal	R65 (MP200)	SST 200 (STM20/STM20 UNI)
Rapid shutter doors	SPEEDCORD	SPEEDCORD Controller

NOT supported:

Door type	Door system	Control (SW version)
Swing doors	DFA 125	

DFA 126

DFA 127 (< V2.0)

Series 6100/8100/8500   STG DFA 125

STG DFA 126

STG DFA 127 (< V2.0)

STG DFA 127 (< V2.0)

Sliding doors STA 16

STA 17

STA 17-2

STA 18

STA 19

STA 19 RED

Series 5100   STM 16

STM 17

STM 17-2

STM 18

STM 19

STM 19 RED

STG System 19

Folding doors Series 4500   STG System 19

Revolving doors   K21

K31

K41   TA 4 / KST 20

TA 4

TA 4

NOT supported:

Door type	Door system	Control (SW version)
Swing doors	DFA 125 DFA 126 DFA 127 (< V2.0) Series 6100/8100/8500	STG DFA 125 STG DFA 126 STG DFA 127 (< V2.0) STG DFA 127 (< V2.0)
Sliding doors	STA 16 STA 17 STA 17-2 STA 18 STA 19 STA 19 RED Series 5100	STM 16 STM 17 STM 17-2 STM 18 STM 19 STM 19 RED STG System 19
Folding doors	Series 4500	STG System 19
Revolving doors	K21 K31 K41	TA 4 / KST 20 TA 4 TA 4