NSatellite

Instructions for use

Navkom

BEFORE USING THE READER/Keypad FOR THE FIRST TIME, IT IS RECOMMENDED TO RESET THE FACTORY SETTINGS – "RESET" (The test function is activated for 1 minute). *This is not necessary for the mini BBX control unit, as the reset is performed by the door manufacturer prior to installation.

IMMEDIATELY AFTER CONNECTING THE READER/Keypad, IT IS RECOMMENDED TO ENTER ADMINISTRATOR FINGERPRINTS/CODES.

IF THERE IS NO ACTIVITY WITHIN 10 MINUTES OF CONNECTING THE READER/Keypad, THE READER/Keypad WILL AUTOMATICALLY DEACTIVATE TO PREVENT UNAUTHORISED USE. IN THIS CASE, BEFORE USING IT AGAIN, YOU MUST TURN OFF THE POWER TO THE READER/Keypad FOR AT LEAST 5 SECONDS (THE EASIEST WAY IS TO TURN OFF THE FUSE) AND THEN TURN THE POWER TO THE READER/Keypad BACK ON. (THE EASIEST WAY IS TO TURN OFF THE FUSE) AND THEN TURN THE READER/Keypad POWER BACK ON. IT IS RECOMMENDED TO PERFORM A RESET.

IF YOU CANNOT ENTER ADMINISTRATOR FINGERPRINTS/CODES IMMEDIATELY AFTER CONNECTING THE READER/Keypad, IT IS NECESSARY TO TURN OFF THE POWER SUPPLY TO THE READER/Keypad UNTIL THE ADMINISTRATOR'S FINGERPRINTS/CODE ARE ENTERED.

Download the NSatellite app from Google Play or the App Store.

Google Play

App Store

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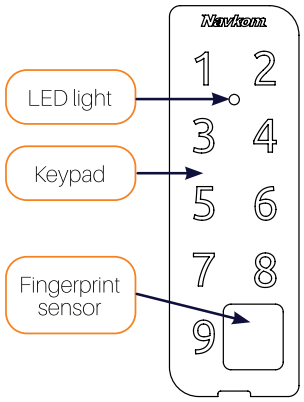
System components and functions

Your reader/keypad works in combination with a control unit. Before you start using it, check the descriptions of readers, keypads and control units to determine which of the three options you have installed:

Fingerprint reader or keypad

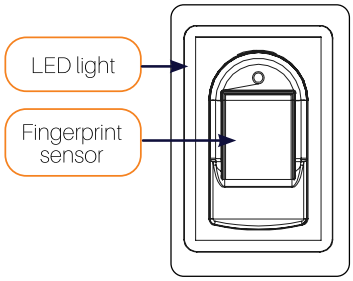
Option 1

Keypad WITH FINGERPRINT READER



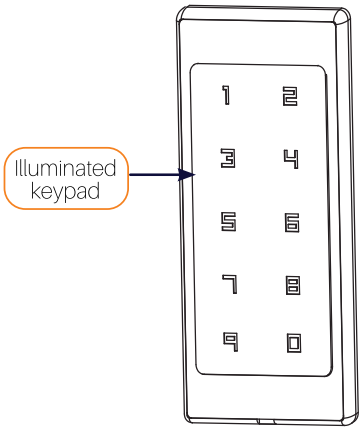
Option 2

FINGERPRINT READER



Option 3

KEYPAD



Control unit

Option 1

CONTROL UNIT BUILT INTO THE DOOR PROFILE

Located in the door profile.

The factory reset button can be accessed using a thin tool with a diameter of approximately 1 mm.

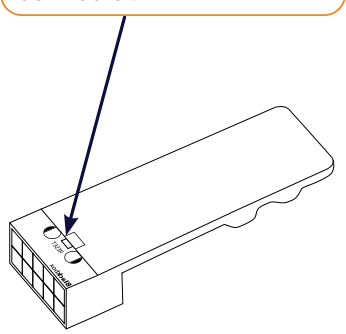


Option 2

MINI BBX CONTROL UNIT

It is built into the door leaf (not visible from the outside).

The factory reset button is located under the connector.

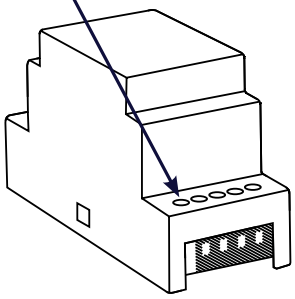


Option 3

DIN CONTROL UNIT

It is located in the electrical cabinet.

The factory reset button is located at position 10.



Restore factory settings and test function

1. Hold down the R button on the control unit for 10 seconds until the blue LED starts flashing or click FACTORY RESET under DEVICE INFO tab in the app (if you are already connected to the app)



2. The light on the reader/keypad flashes purple 5 times. Now we can connect to the phone.

3. The test function is activated for 1 minute – during this time, the light on the reader/keypad flashes green, and the door opens with any finger/code. The test function is interrupted when the phone is connected to the reader/keypad.

4. All fingerprints/codes, including administrator ones, are deleted from memory and the device is restored to factory settings. Mobile phone or tablet connections are deleted.

After resetting, you must also delete the device from the app before you can add it again.

5. To delete a device from the app, swipe left with your finger and then click on the trash can icon that appears on the right.



Placing your finger correctly on the sensor



Place your finger on the centre of the sensor with the part where the fingerprint is most pronounced.
For most users, this is approximately in the middle of the fingertip, where the fingerprint ridges form a centre. Take a look at your fingerprints and their characteristics.

DO NOT MOVE YOUR FINGER DURING READING
Wait for the device to beep to confirm successful entry each time before moving your finger.

FOR SUCCESSFUL FINGERPRINT ENTRY, PLACE YOUR FINGER ON THE SENSOR 3 TIMES
Only then will the fingerprint be stored. This ensures high-quality entries and good readability.

The most common cause of poor reading is dry skin.
If you have to press harder than usual on the sensor to get a reading, the most likely cause is dry skin on your finger. This is particularly noticeable in the winter months. Ensure normal skin moisture by using hand cream, moisturising wipes or by lightly touching a moist surface, but make sure your finger does not get wet.

ENTER MORE FINGERS OF BOTH HANDS TO AVOID PROBLEMS DUE TO DAMAGED FINGERS
This will ensure a good reading regardless of the position of the finger on the sensor and protect you in case you injure any of the fingers you have entered.

Cleaning

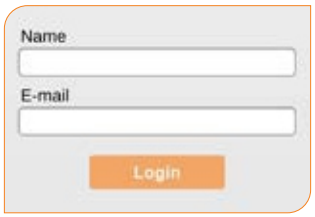
Clean the fingerprint sensor/keypad regularly (we recommend once a week or at least once a month) with a dry soft cloth (e.g. microfibre). Dirt that accumulates on the surface of the sensor can significantly impair fingerprint recognition and may result in permanent damage to the reader.

NEVER USE AGGRESSIVE CLEANERS (INCLUDING GLASS CLEANERS), POLISHING PASTE OR ACIDS FOR CLEANING! CLEANING OR SCRUBING THE SENSOR/Keypad SURFACE WITH HARD AND SHARP OBJECTS MAY CAUSE DAMAGE TO THE SENSOR AND MALFUNCTION OF THE DEVICE, WHICH MAY VOID THE WARRANTY.

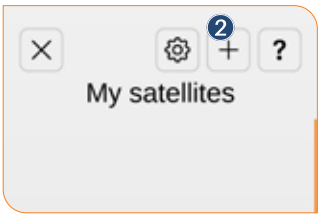
First connection to the application

Download the NSatellite app from Google Play or the App Store!

1. Create a username (of your choice) and enter your email address.



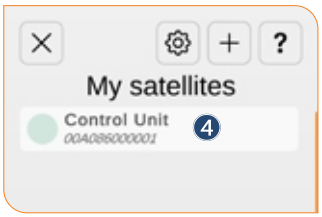
2. Click on + to find your device.

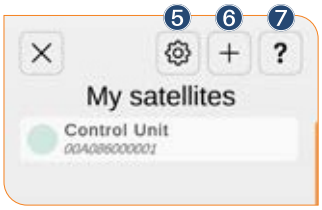


3. Click on the device you found to add it.



4. Click on the field with the name of the device to connect to it.





5. App language settings
6. Adding a new device
7. Instructions for using the app

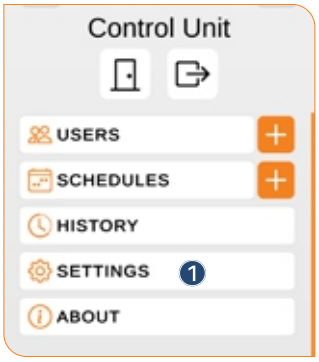
8. The name you entered when you first registered will be automatically added to the list of users as an administrator.



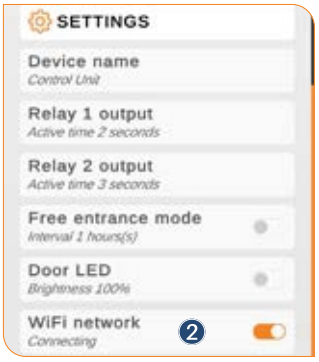
First connection to a Wi-Fi network

The Wi-Fi signal at the door must be strong enough (at least medium)! In case of a weak signal, it is recommended to use a signal booster.

1. Click on settings



2. Click on the WiFi network



3. Enter your home WiFi network details and click Save.



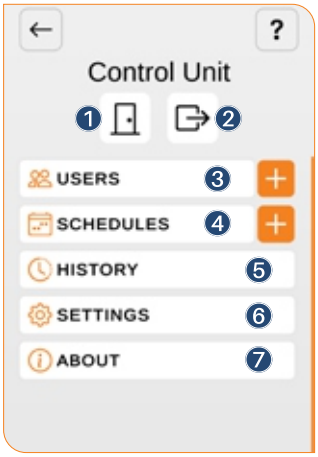
Enter the NAME of your home WiFi network

Enter the PASSWORD for your home WiFi network.

HAVING PROBLEMS WITH THE CONNECTION?

1. Check if the device is active. If more than 10 minutes have passed since connection, the device will be deactivated for security reasons. Disconnect it from the power supply and switch it back on.
2. Completely shut down the application and restart it.
3. Check that you have entered the name and password of your home WiFi network correctly. You can find this information in your phone's network settings if your phone is connected to your home WiFi network.

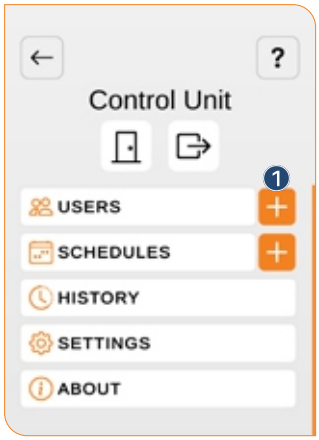
Application features



1. Opening the door
2. Relay 2 activation (with BBX control unit, this option is not visible)
3. Adding users (adding fingerprints and codes)
4. Schedules (create schedules by day, which you can later assign to users)
5. History (last 500 events)
6. Settings (connections, LED settings, free passage, relay trigger time)
7. About the device (device information, factory reset)

Adding users

1. To add, click on "+" next to the "USERS" field.



2. Name the user and assign them the role of administrator. The administrator can add and delete users and manage settings, while the user can only open doors. You can also restrict users' access times and/or specify the number of entries.



3. If you want to limit the user's access time, click on "Limited access" and then set the validity period. You can also select the option to automatically delete the user after this period has expired.

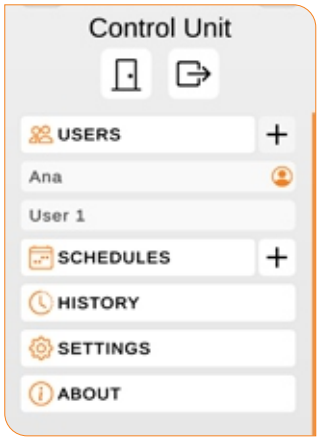


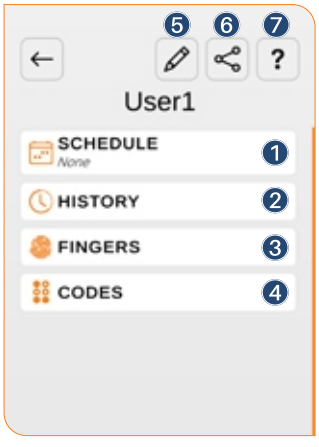
4. If you want to limit the number of entries for a user, click on "Transitions: Limited" and then set the validity period. You can also select the option to automatically delete the user after a certain number of entries.



User menu

Open the list of users by clicking on the USERS field. Administrators are marked with an orange icon on the right. Click on the user's name to open the user menu.



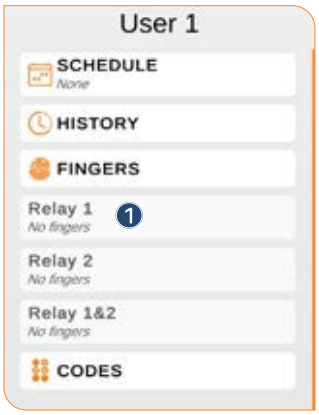


1. Assigning schedules (the schedule must be created in advance in the Schedules menu)
2. View event history (last 500 events)
3. Adding fingerprints*
4. Adding codes*
5. Managing access restrictions
6. Sending access via phone
7. Instructions for use

*If you only have a reader, only the option to add fingers will be visible; if you only have a keypad, only the option to add codes will be visible.

Adding fingerprints

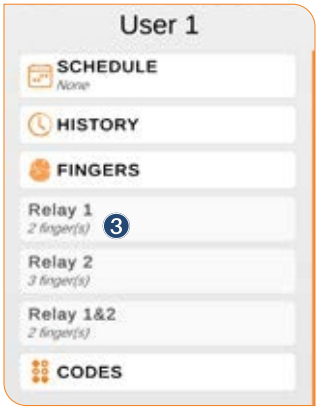
1. In the user menu, click FINGERS. Click the relay you want the added finger to activate. If you want the finger to activate both relays simultaneously, select Relay 1&2.
*If you only have 1 relay, only this option will be visible in the application.



2. Place your finger on the sensor three times in succession. Each entry is confirmed by a beep.



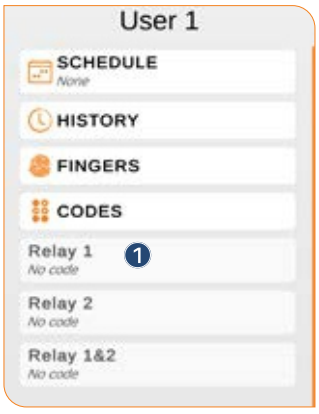
3. Once the finger is saved, it will be visible in the list under the relay that triggers it.



Save several fingers of both hands to ensure good recognition and avoid problems due to dirty or damaged fingers.

Adding codes

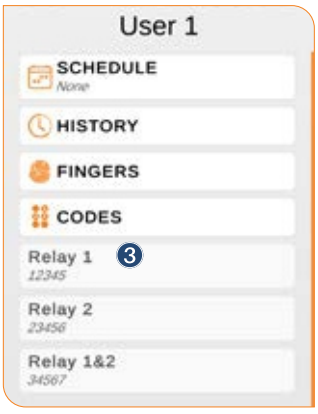
1. In the user menu, click CODES. Click the relay you want the added code to trigger. If you want the code to trigger both relays simultaneously, select Relay 1&2.
*If you only have 1 relay, only this option will be visible in the application.



2. Enter the five-digit code.

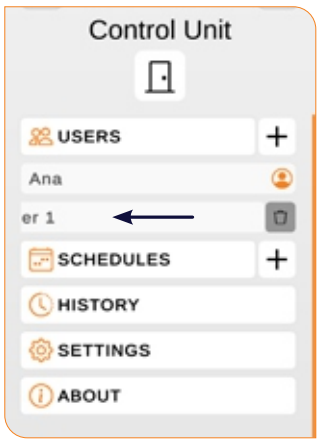


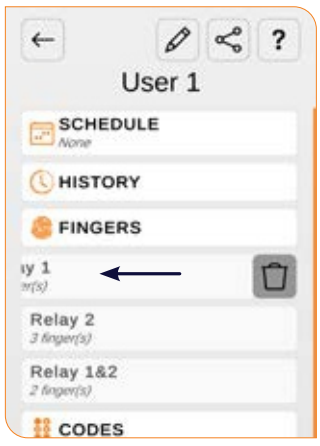
3. Once the code is saved, it will be visible in the list under the relay that triggers it.

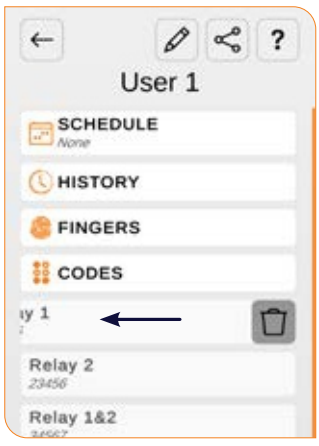


Deleting fingerprints, codes and users

Added users can be deleted by swiping left with your finger and then clicking on the trash can icon that appears on the right. You can also delete user codes or fingerprints on a specific relay in the same way (but not just one fingerprint or code).





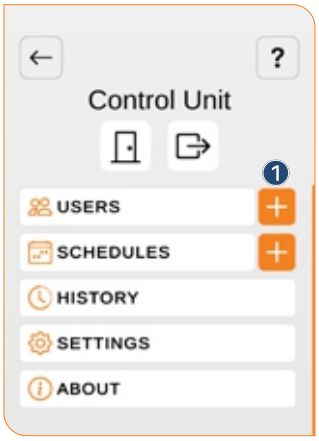


Adding access with your phone

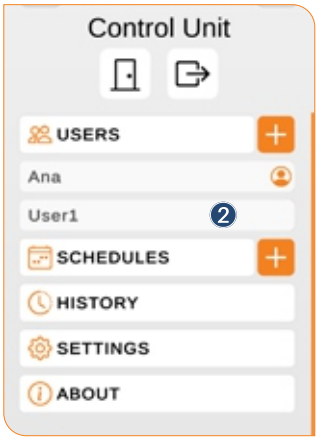
WARNING

The first connection must be local via Bluetooth (up to 2 metres from the door).

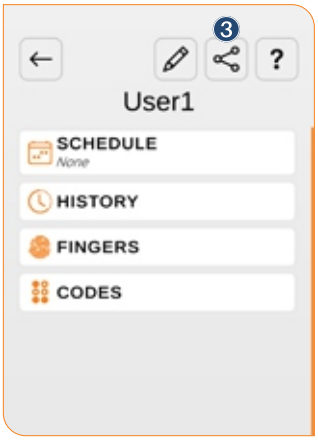
1. Create a new user - press '+', name it and save it.



2. Tap his name.



3. Click the share button.



4. Select PHONE and enter the new user's email address.



If you select WEB instead of PHONE, the user will receive an e-mail with a link for remote access via a web browser. If they click on it, they will no longer be able to connect via the application. In this case, delete the user and add them again.

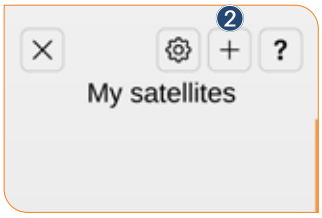
New users can now connect their phone (with the NSatellite app) to the device within 10 minutes of the invitation being sent. The first connection must be established via Bluetooth (within 2 metres of the door).

The device allows only one Bluetooth connection at a time. The first phone must not be connected to the NSatellite app while connecting the second phone.

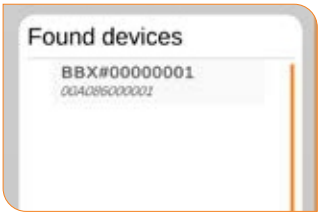
1. On your new phone, log in to the with the same email address to which the access was sent!*



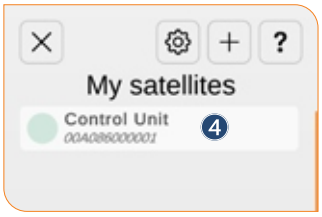
2. Click on + to find your device.



3. Click on the device you found to add it.



4. Click on the field with the name of the device to connect to it.



* New users do not receive an email. The access is sent directly to the app and is activated upon first login.

You can now operate the device from your new phone.

Have you changed your phone? Download the NSatellite app and add it using your old phone in the same way as described above, except that you grant access to yourself (share access to your name via your e-mail and log in to your new phone with the same details as on your old phone).

If you no longer have your old phone and cannot add a new phone in the app, an administrator can manually trigger the phone-adding feature:

Adding a New Phone If All Previously Connected Phones Are Lost

** This feature is available on the control unit in the door profile: starting with version 0.3.4; on the BBX control unit: starting with version 0.3.1. Be sure to update the app regularly to ensure that all the latest features are working properly.*

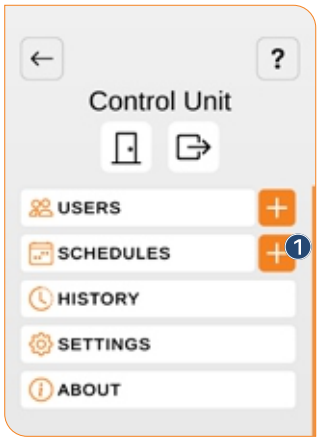
If you've deleted the app from all linked phones, lost your phone, or have a new phone... the administrator can manually trigger the phone-adding feature on the reader.

1. Place your administrator's finger on the sensor 5 times in a row—it must be recognized each time (green LED)—and no more than 5 seconds may elapse between each recognition.
2. The phone re-pairing feature is activated. The feature remains active for 10 minutes; if no other fingerprint is detected during that time.
3. In 10 minutes, the administrator can log in to the app using their existing username and password, and then add a reader to the app in the same way as during the initial connection (by clicking +).
4. The newly connected phone is assigned to the user who initiated the function.

Schedules

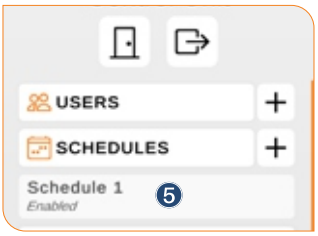
First, we need to create a new schedule in the SCHEDULES menu, then assign it to a user in the user menu. We can create up to 10 different schedules.

1. Create a new schedule by clicking on "+".





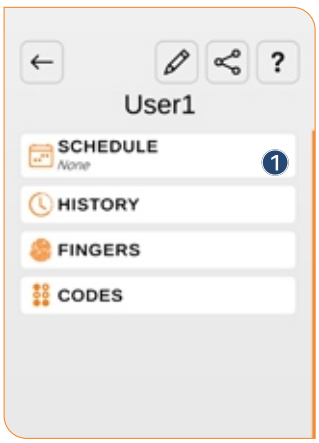
1. Name the schedule as desired.
2. The access time can be set separately for each day.
3. By clicking on the name of the day, you can set full access/no access for that day.
4. Save the schedule.
5. The schedule is now visible in the list.
6. The schedule can be deactivated.



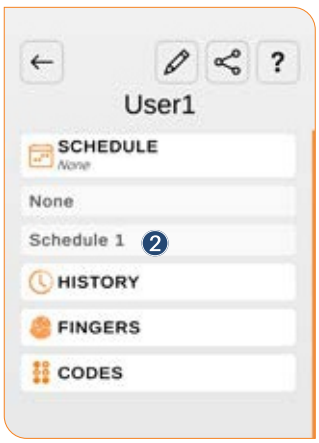


The active schedule can then be assigned to one or more users.

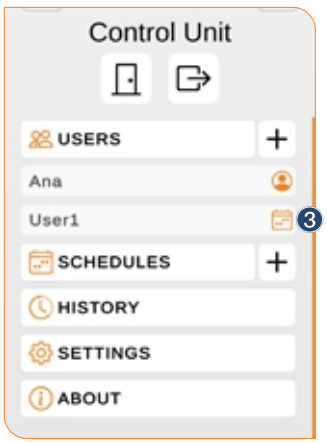
1. In the user menu, click on SCHEDULES.



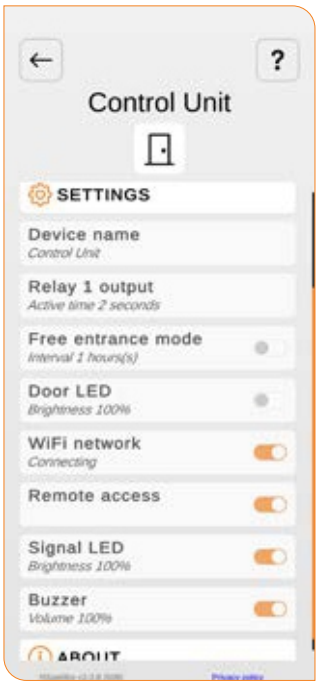
2. Select the schedule you want to assign to the user from the list.



3. When a user is assigned an active schedule, a calendar icon appears next to their name in the list.



Settings



1. Device name - change device name
2. Relay time setting: You can set the time during which the relay is closed (1 to 60 seconds). This function is useful when using an electrical socket.
3. Free passage mode: by activating this mode, we enable the door to be opened by any fingerprint, even if it is not stored in the database. We can set the number of minutes after which the free entry mode automatically switches off (1 to 1440 minutes). When free passage mode is enabled, the green LED on the device will remain lit.
4. LED door lighting: If the door has LED lighting, it can be connected to the system and controlled using the NSatellite app. You can set the brightness level and the switch-on/switch-off time.
5. Turn on/off the connection to the Wi-Fi network and network settings (name, password).
6. Enable/disable remote access.
7. Turn on/off the blue lighting of the reader/keypad and adjust the brightness level.
6. Turn audio signals on/off and adjust signal volume.

LED settings



1. Always on: The lighting will be continuously switched on.
2. Automatic: LED lighting will automatically turn on at sunset and turn off at sunrise (depending on the location of the phone).
3. Customisable: You determine the switch-on and switch-off times yourself. You can set two intervals per day when the lighting will be switched on.
4. Brightness level setting

Overview of light signals

	LIGHT SIGNAL	MEANING
STATUS	 BLUE IS CONSTANTLY LIT	The reader is on standby.
	 GREEN **FLASHING**	**Test function** (1 minute after reset, during this time any finger placed on the sensor can open the door).
	 GREEN **IS CONSTANTLY LIT**	**Free pass is on.**
	 GREEN LIGHTS UP **1 ×**	Fingerprint **recognised**/fingerprint entry **confirmation**.
	 PURPLE **FLASHING**	**Reader security lockdown** (unrecognised finger placed on the sensor 7 times in a row).
OPERATIONS	 BLUE **FLASHING**	Start of **administrator fingerprint entry / confirmation of operation** with an administrator fingerprint required (activation of the free pass mode, deletion of fingerprints, etc.).
	 PURPLE LIGHTS UP **5 ×**	Restore factory settings - **reset**.
	 BLUE AND GREEN ALTERNATELY **FLASHING**	Start of **user fingerprint entry**.
ERRORS	 RED **FLASHES QUICKLY 1 × (0,5 s)**	**No connection** between the reader and the control unit.
	 RED **LIGHTS UP QUICKLY EVERY 10 SECONDS**	**Error,** call the repair service.
	 RED LIGHTS UP **1 × (1 s)**	A finger placed on the sensor is **not recognised.**