SMARTPHONE
M2000BT APPLICATION
USER GUIDE

INDEX

I : INTRODUCTION

The **M2000-BT is an access control who may need some special vocabulary.** This guide aim to explain in a ludic way the specific terms you may inconter while using the product.

1/Conditional Input

The **conditional input** consists in adding an extra action B necessary to validate relay activation:

Credential validation A + Extra action B = Relay activation ✓

This operating mode can be used when you want a vehicle to be present to allow relay's activation. In this case, the **conditional input** B would be a car loop detector connected to the M2000BT. The reading of a badge A by a pedestrian cannot therefore be accepted.

2/Bypass conditional entry

The **bypass conditional entry** allows the credential to be authorized without fulfilling conditional input (~~B~~).

For example, a pedestrian credential with «**bypass conditional entry**» can open the gates without having a vehicle present on a site with car detection loop and conditional entry activated.

3/First Person In

The **first person in** feature set the activation of a pre-planned schedule when the first authorized credential is used.
This feature will protect your premise by keeping the doors locked until an authorized employee presents his/her credential to unlock the building.

4/Schedule

Schedule plannification allow you to configure your access control for the upcoming years , setting opening for work hour, closure time for bank holiday and special event opening hour such as a reception.

In the following paragraph see the schedule plannification's logic it's powereful capabilities.

Create a time slot to set work hour opening for a portal during intensive passage time:

From Monday to Thursday: OPEN at the following
[8h30 ➡ 9h30] ; [11h30 ➡ 12h30]
[13h45 ➡ 14h15] ; [16h30 ➡ 17h10]

On Friday : OPEN at the following
[8h30 ➡ 9h30] ; [11h30 ➡ 12h30]
[13h45 ➡ 14h15] ; [15h30 ➡ 16h30]

On Saturday : OPEN at the following
[8h30 ➡ 9h30]

On Sunday : CLOSE

On holiday : OPEN at the following
[8h30 ➡ 11h30]

On special day = once in a year : OPEN at the following
[19h00 ➡ 23h30]

5/Antipassback

The **antipassback** feature prevents credential misuse, by putting certain restrictions on the use of their cards. When activated, users must present their credentials to *enter* ⬆ and *exit* ⬇ all zones.
Antipassback prevents a user from using his or her credential twice at the same access point.
It can be used to maximize security, prevent fraudulent use of credential and maintain accurate recording of the number of people who are currently in an area .

6/Antipassback Status

There are 3 **antipassback status** for every users.

⬆ Entering : the user can only be accepted on an "*Exiting*" reader.

⬇ Exiting : the user can only be accepted on an "*Entering*" reader.

⇕ Unkown: the user can be accepted indifferently on
an *Entering* or *Exiting* reader.

ⓘ *When you create a credential: its first **antipassback status** is «unknown»: it can be accepted indifferently the first time on. As soon as it is accepted on a reader it loses its "unknown" state and enters the cycle of antipassback.*
When powering up the M2000BT, all users systematically switch to an "unknown" state of antipassback.

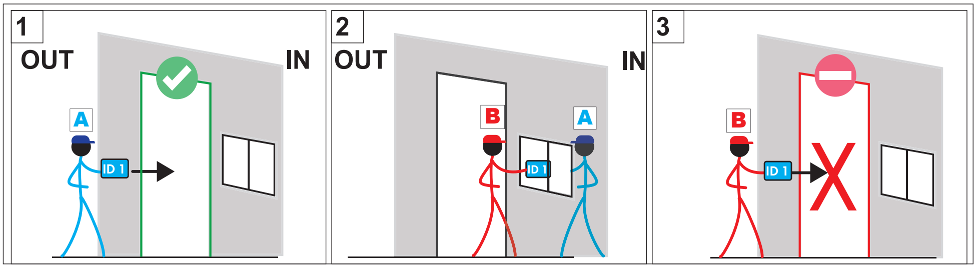
7/Bypass Antipassback

The **bypass antipassback** feature allows users to use his/her credentials on every reader whitout having fulfill antipassback requirement.
It allows the user not to worry about the antipassback status to open doors.

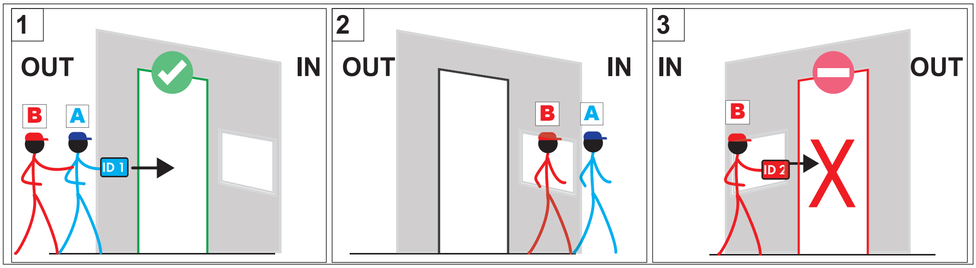
5/Antipassback Case Exemple

See below few exemple of **antipassback** feature abilities:

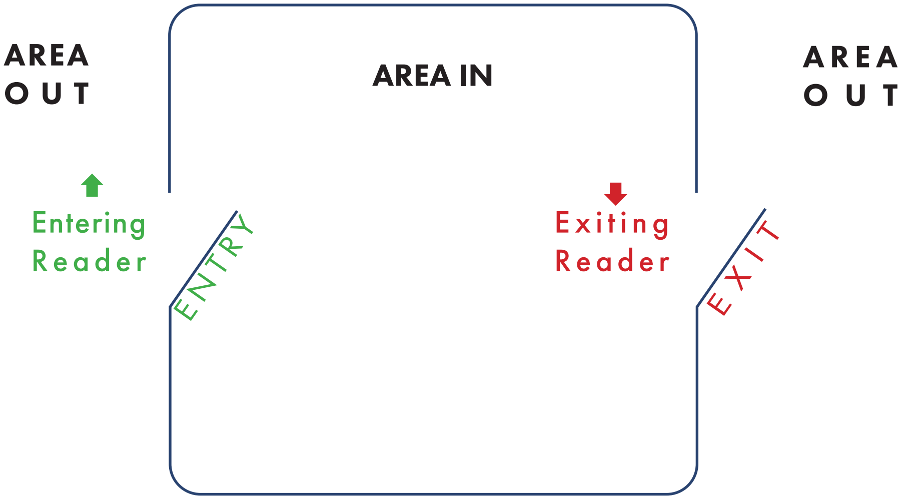
Case 1:



Case 2:



Case 3 : PARKING LOTS



This drawing represent an antipassback secured installation:

- there are 2 areas: inside [IN] and outside [OUT] the secured zone.

- there are 2 doors/gates controlled by readers:

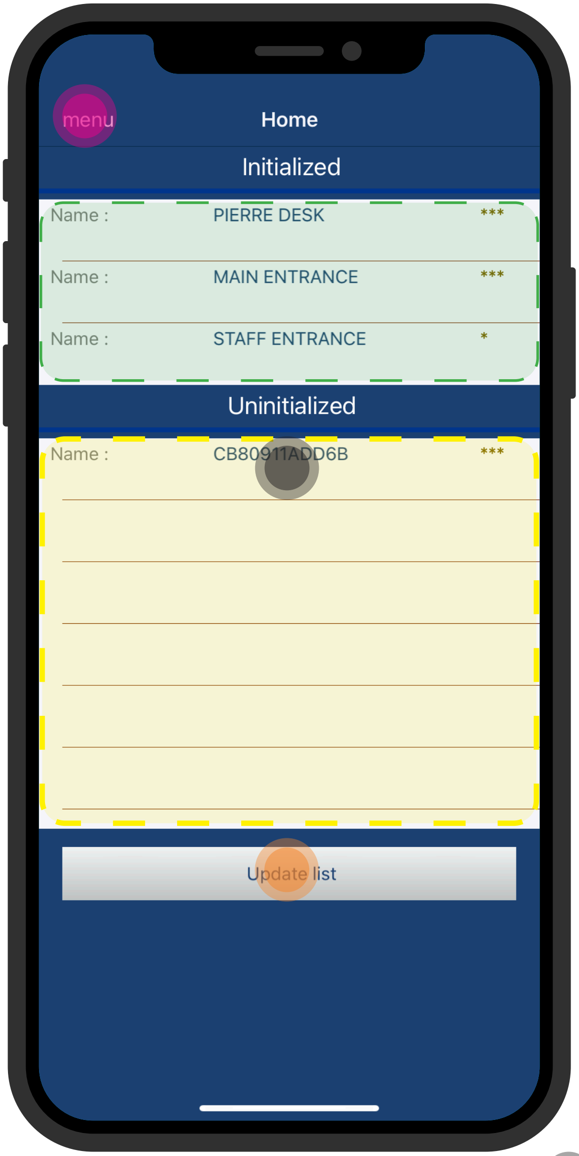
ENTRY controlled by Entering Reader and EXIT controlled by Exiting Reader.

II : INITIALIZATION

1/Home

Caution: DO NOT FORGET to activate the BT on your smartphone.

When the M2000-BT application is started, the Home window is accessed and after an automatic search, the list of available control units is displayed.



Initialized

Name :	PIERRE DESK	***
Name :	MAIN ENTRANCE	***
Name :	STAFF ENTRANCE	*

Uninitialized

Name :	CB80911ADD6B	***

Back to **General Menu**

List of **«Initialized»** control units (already configured)

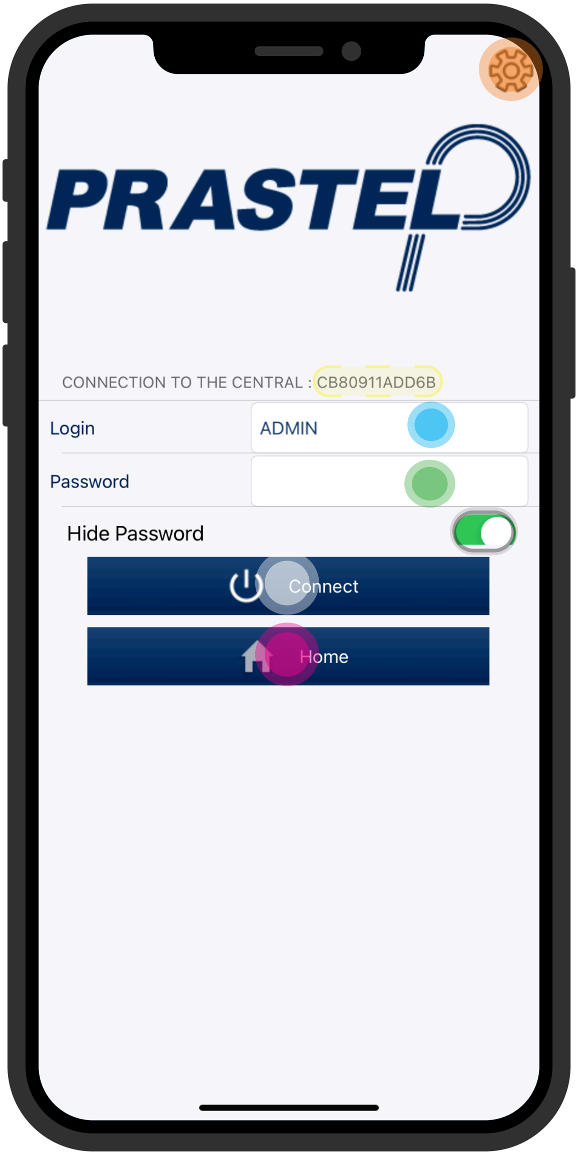
List of **«Uninitialized»** control units (without login and password)

Start a control units search and update the list.

Select your new control unit from the uninitialized list, ●, to go to the next step.

2/Login

Click the ⏻ Connect button to go to the next step.



CONNECTION TO THE CENTRAL : CB80911ADD6B

Login: ADMIN

Password:

Hide Password

Reset
(Contact **Prastel France**)

ⓘ MAC adress.

Enter login
(ADMIN by default).

Enter password.

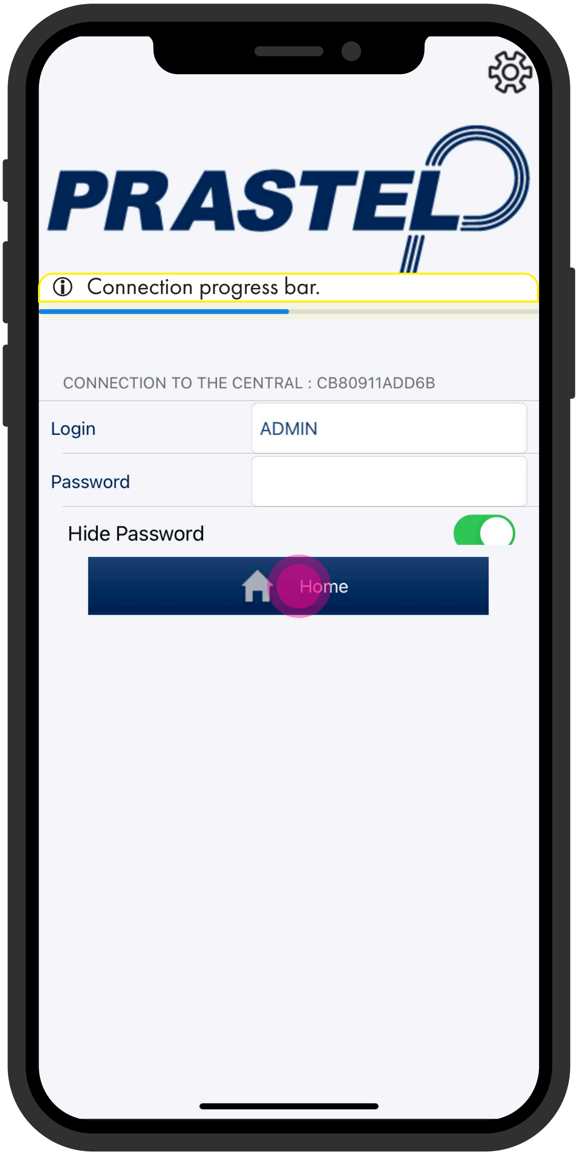
View password.

hidden *visible*

Connection to the control unit.

Back to **Home**

The application connects to the selected control unit, please wait.



ⓘ Connection progress bar.

CONNECTION TO THE CENTRAL : CB80911ADD6B

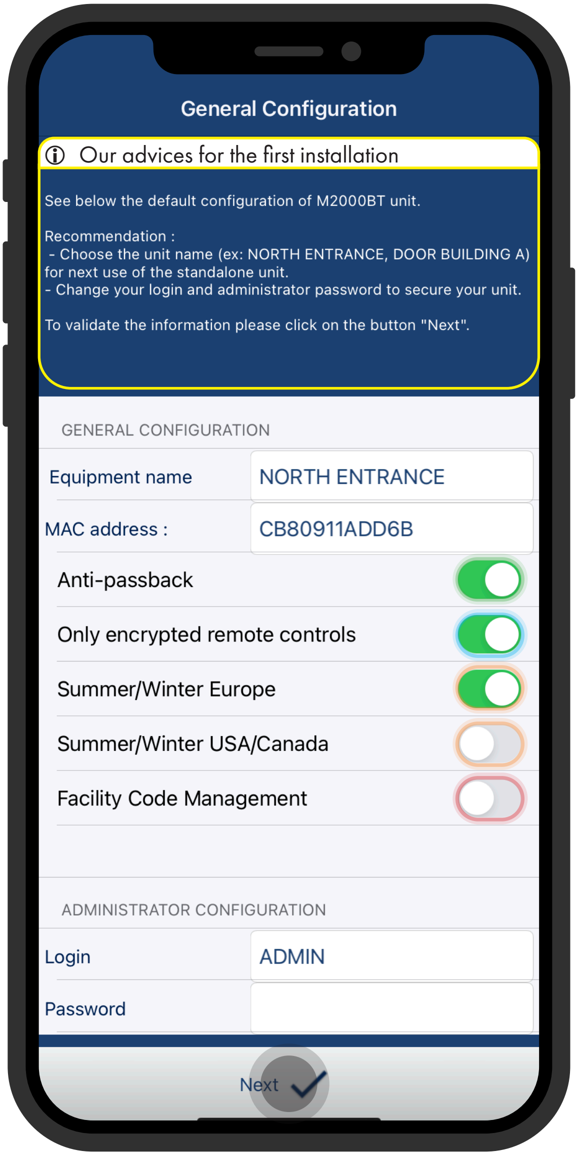
Login ADMIN

Password

Hide Password

Back to **Home**

3/General configuration



General Configuration

ⓘ Our advices for the first installation

See below the default configuration of M2000BT unit.

Recommendation :
- Choose the unit name (ex: NORTH ENTRANCE, DOOR BUILDING A) for next use of the standalone unit.
- Change your login and administrator password to secure your unit.

To validate the information please click on the button "Next".

GENERAL CONFIGURATION

Equipment name	NORTH ENTRANCE
MAC address :	CB80911ADD6B
Anti-passback	● on
Only encrypted remote controls	● on
Summer/Winter Europe	● on
Summer/Winter USA/Canada	○ off
Facility Code Management	○ off

ADMINISTRATOR CONFIGURATION

Login	ADMIN
Password	

Antipassback: in a 2-door system, an entry activated by reader 1 authorises the exit on reader 2 (see p.42)

Enable compatibility with our encrypted remotes only.
Ex: SLIM+, SLIM2E+

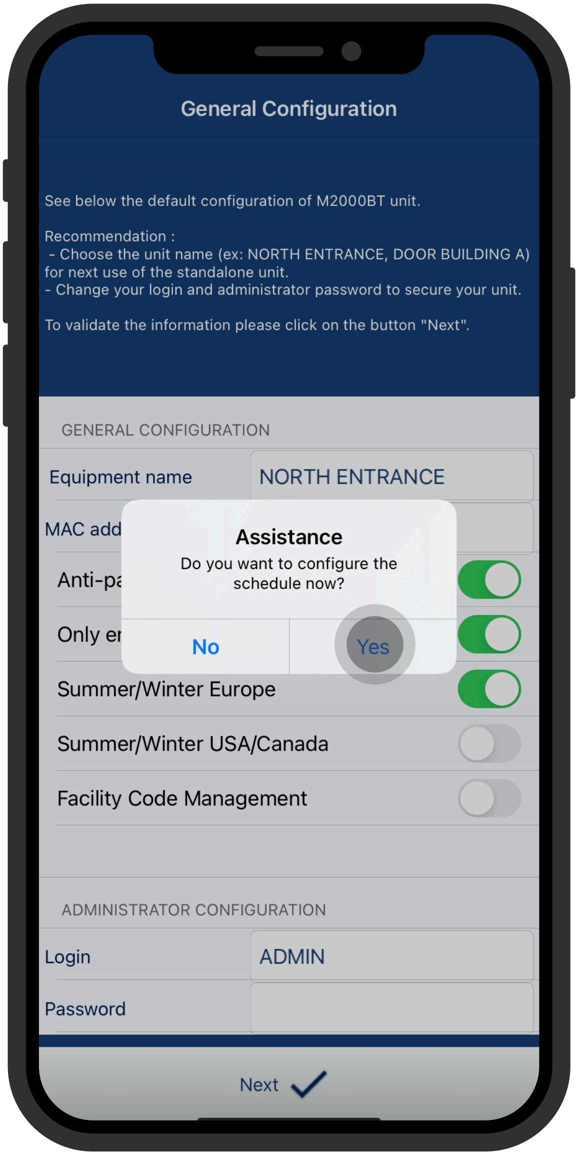
Activate the automatic time change according to the selected geographical area..

Activate facility code management for DATA inputs, e.g. for proximity readers such as the MPROXMINI.

Click the Next ✓ button to go to the next step.

4/Time table configuration

By clicking on the Next ✓ button, the installation wizard offers you to configure time slots.
They can be used to define access authorisations for groups and/or relay.
It aslo include an automatic positive opening operation mode.
You need to define public holidays, special day and expection in order to set reading authorizaiotn and or opening/closure time slot..



General Configuration

See below the default configuration of M2000BT unit.

Recommendation :
- Choose the unit name (ex: NORTH ENTRANCE, DOOR BUILDING A) for next use of the standalone unit.
- Change your login and administrator password to secure your unit.

To validate the information please click on the button "Next".

GENERAL CONFIGURATION

Equipment name: NORTH ENTRANCE

MAC add

Anti-pa

Only er

Summer/Winter Europe

Summer/Winter USA/Canada

Facility Code Management

Assistance

Do you want to configure the schedule now?

No | Yes

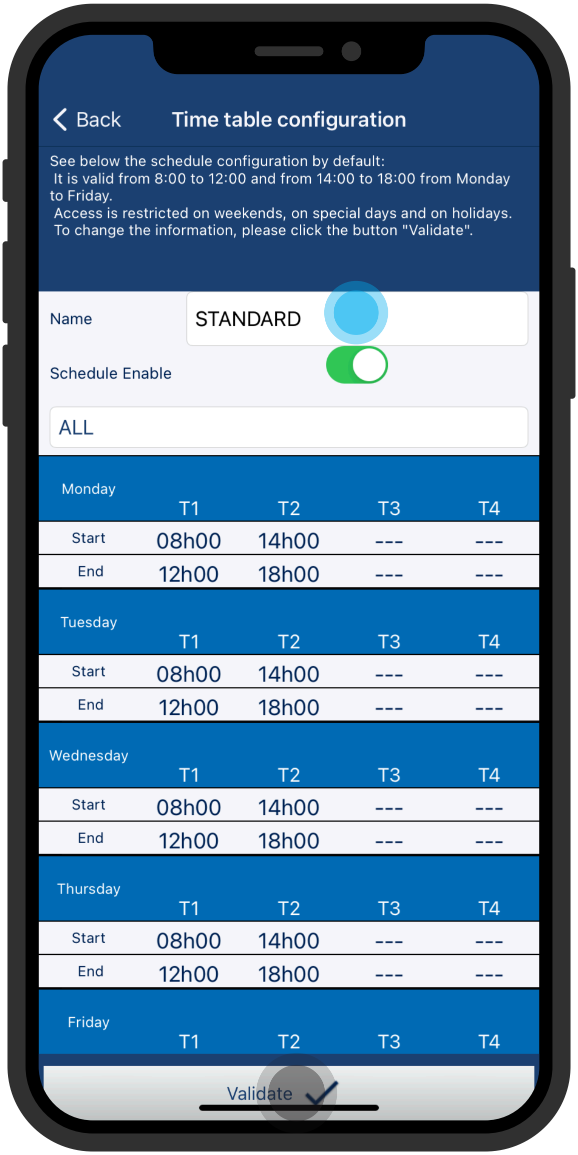
ADMINISTRATOR CONFIGURATION

Login: ADMIN

Password:

Next ✓

Select the schedule and then click on the Validate ✓ button to go to the next step.



Time table configuration

See below the schedule configuration by default:
It is valid from 8:00 to 12:00 and from 14:00 to 18:00 from Monday to Friday.
Access is restricted on weekends, on special days and on holidays.
To change the information, please click the button "Validate".

Name: STANDARD

Schedule Enable: ●

ALL

Monday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Tuesday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Wednesday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Thursday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Friday	T1	T2	T3	T4

3 schedules are predefined :

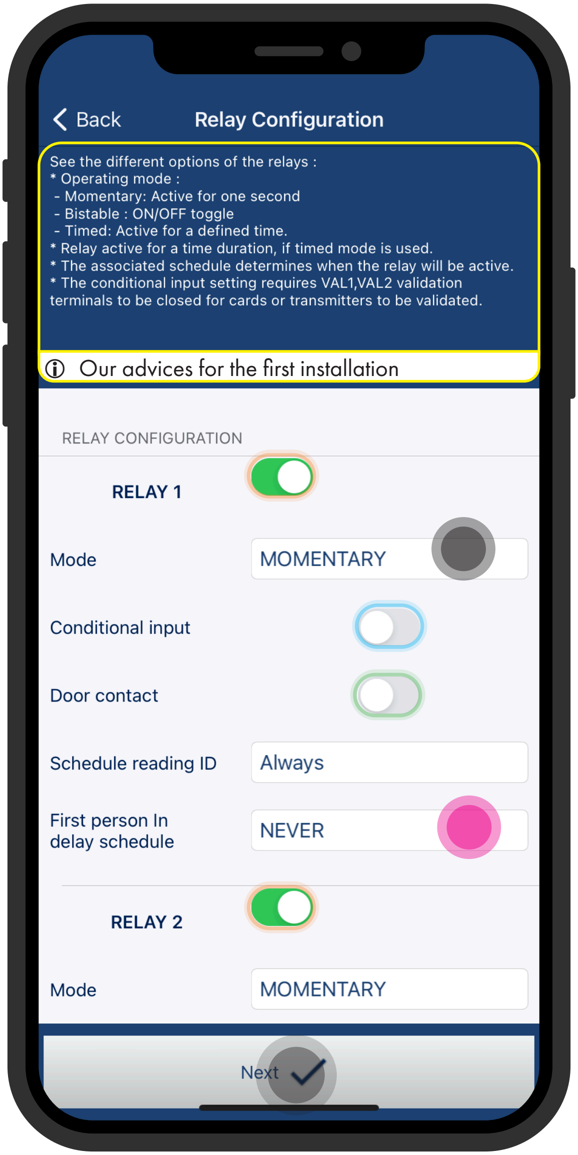
⏱ STANDARD = 8h-12h/14h-18h from M to F except public holidays and exception (set by default / editable).

✅ ALWAYS = 24h/24h

⛔ NEVER= No time slots (no passage allowed).

5/Relay configuration

Select the desired relay configuration and then click the Validate ✓ button to proceed to the next step.



Back

Relay Configuration

See the different options of the relays :
* Operating mode :
- Momentary: Active for one second
- Bistable : ON/OFF toggle
- Timed: Active for a defined time.
* Relay active for a time duration, if timed mode is used.
* The associated schedule determines when the relay will be active.
* The conditional input setting requires VAL1,VAL2 validation terminals to be closed for cards or transmitters to be validated.

ⓘ Our advices for the first installation

RELAY CONFIGURATION

RELAY 1 ●

Mode: MOMENTARY

Conditional input ○

Door contact ○

Schedule reading ID: Always

First person In delay schedule: NEVER

RELAY 2 ●

Mode: MOMENTARY

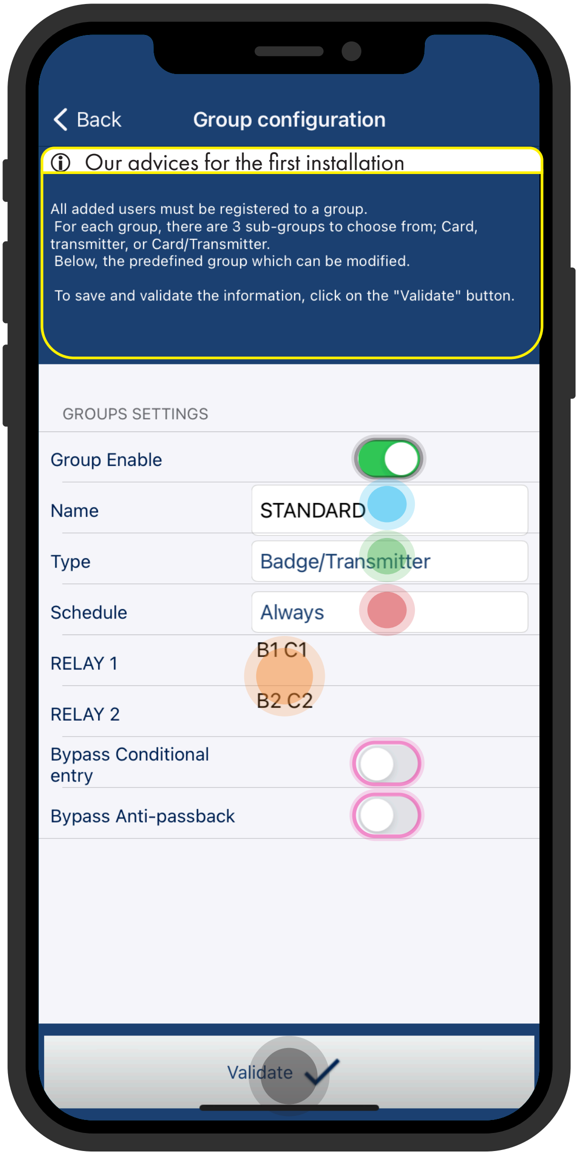
Enable or disable relays.

Conditional input : adds an extra action to the validate the credential. e.g. a magnetic loop contact that adds the condition of vehicle presence to activate the input. (see p.41)

Activation of schedule for access authorization or positive opening operation on the relay.

6/Group configuration

The group settings (e.g. schedule) will apply to the users linked to it.



ⓘ Our advices for the first installation

All added users must be registered to a group.
For each group, there are 3 sub-groups to choose from; Card, transmitter, or Card/Transmitter.
Below, the predefined group which can be modified.

To save and validate the information, click on the "Validate" button.

GROUPS SETTINGS

Group Enable	●
Name	STANDARD
Type	Badge/Transmitter
Schedule	Always
RELAY 1	B1 C1
RELAY 2	B2 C2
Bypass Conditional entry	○
Bypass Anti-passback	○

Enable or disable the group

Define the group name.

Type of support for your identifers

Activate an access authorisation schedule for this group.

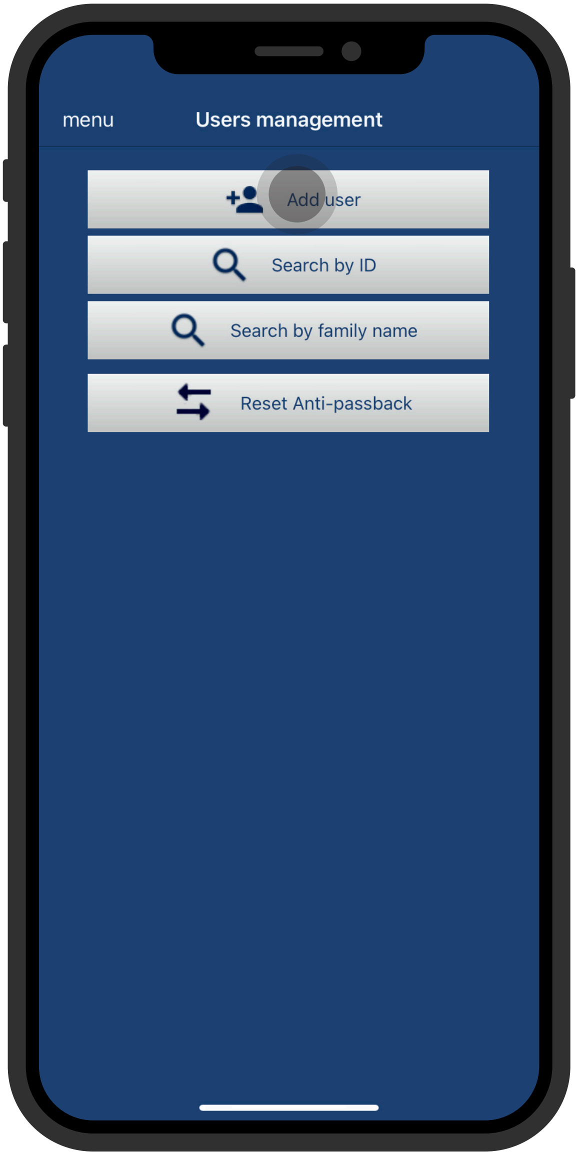
Define the association of a radio channel and/or a reader with the relays for this group

Bypass functions:
In the case of an installation with activated access conditions such as conditional entry or antipassback (see p.42), when the override is activated, the users of this group are no longer obliged to comply with the activated conditions.

Once the group has been configured, click on the Validate ✓ button to proceed to the next step.

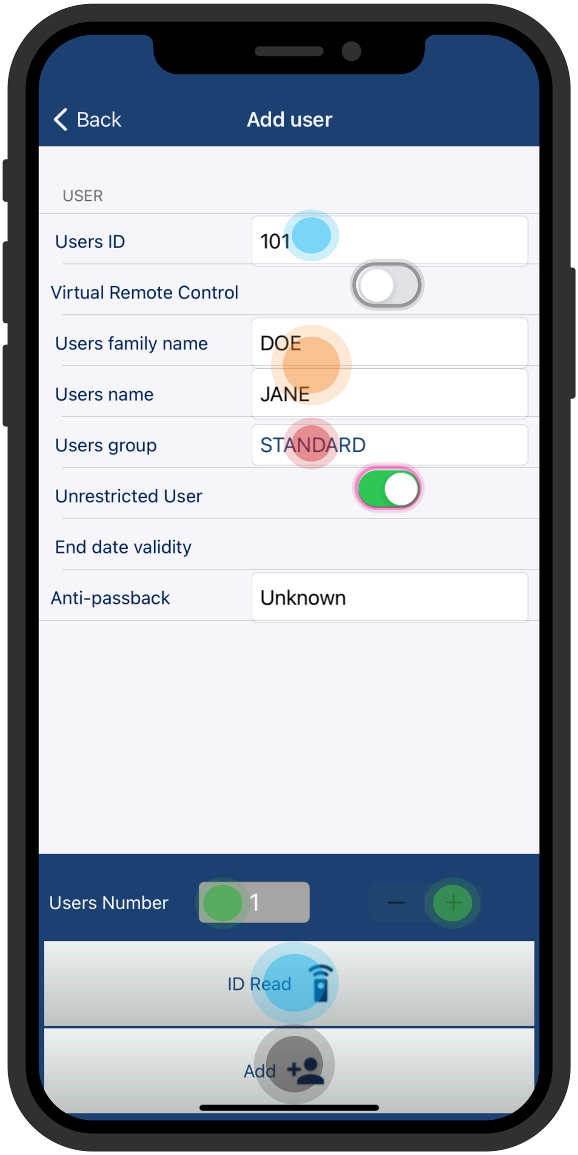
7/User management

Click on the Add user button to go to the next step.



8/Add user

Set up the user file then click on the Add button to validate.



Back

Add user

USER

Users ID: 101

Virtual Remote Control

Users family name: DOE

Users name: JANE

Users group: STANDARD

Unrestricted User

End date validity

Anti-passback: Unknown

Users Number: 1

Enter the user ID or press the ID Read button and then activate the user ID.

Activate if it is a virtual remote control (smartphone application)

Enter the user's civil information

Define the group to which the user is linked

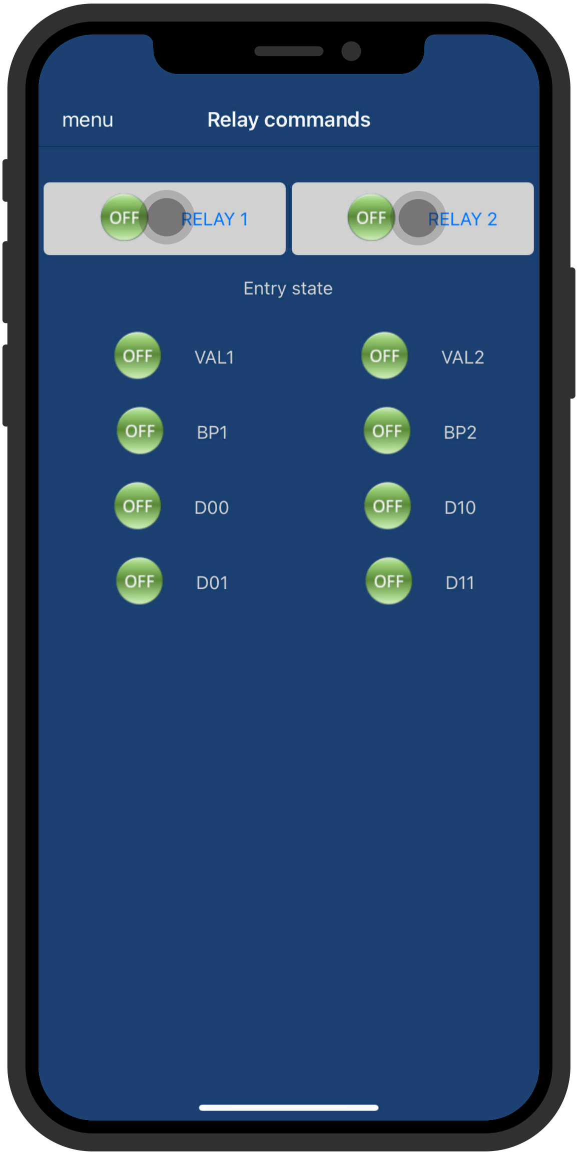
Define whether the user is permanent (no expiry date)

Creation of multiple users:
If your identifiers are a suite, (ex: 100 to 150)enter the number of users, the application will automatically insert the credentials to be registered.

III :SETTINGS

1/Relay commands

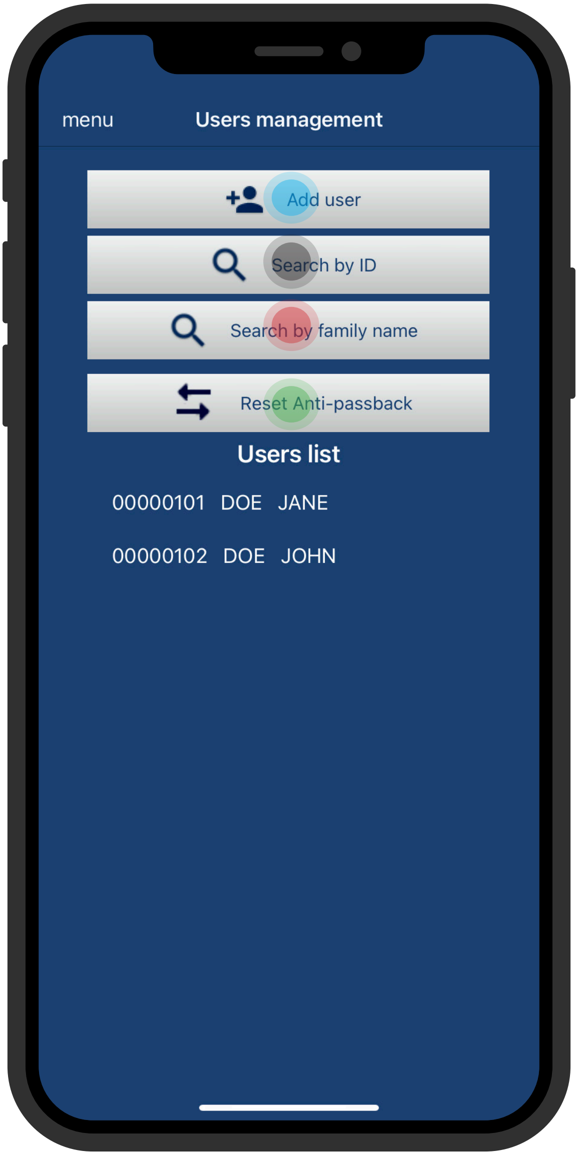
The relay control function allows the operation of the installation to be monitored via the various input status LEDs and relay activation buttons.



Changes relay status according to its configuration.

2/User management

The user management part allows you to add users (see I.8.Adding users on p.12) and manage registered users.



menu

Users management

Users list

00000101 DOE JANE

00000102 DOE JOHN

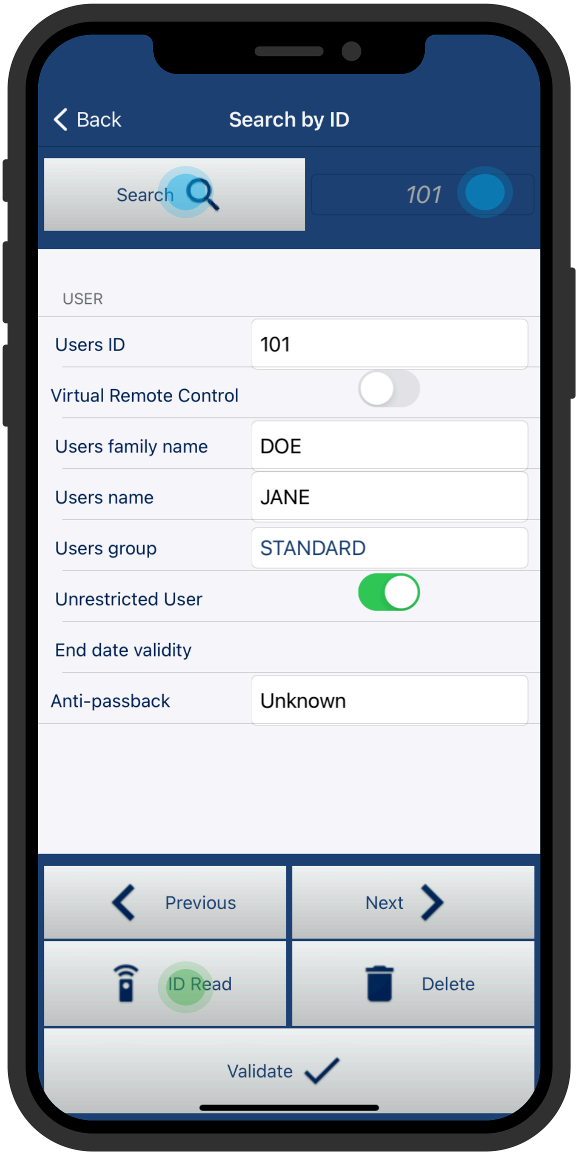
Adding a user (p.12)

Search for a user via its ID number

Search for a user via its name

Reset the anti-passback status of all users.

The search by ID number can be done by manual input or by reading an ID:



101

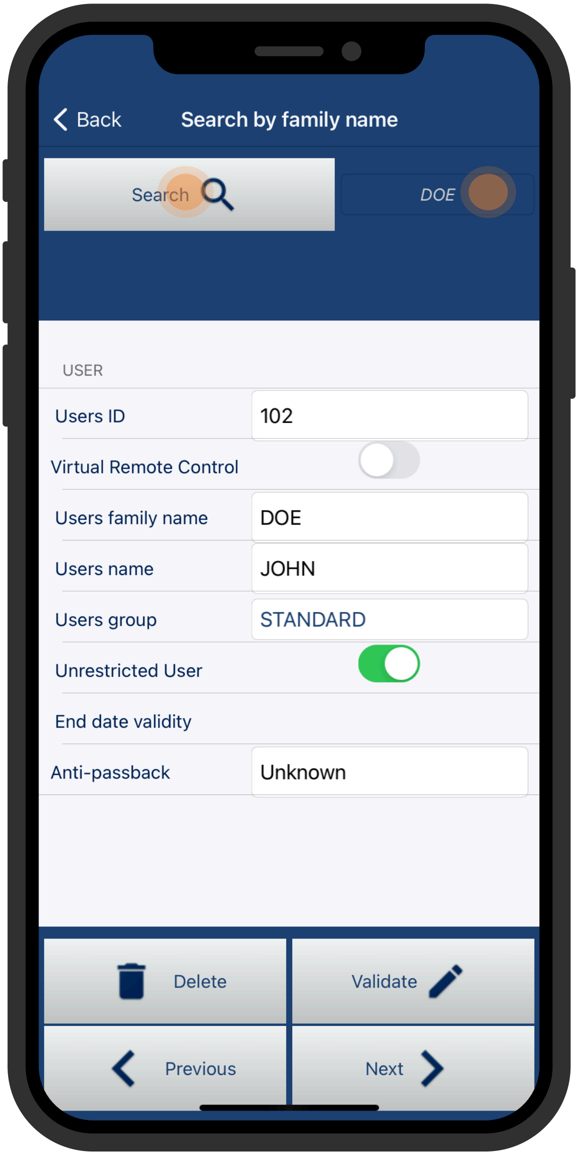
USER

Users ID	101
Virtual Remote Control	○
Users family name	DOE
Users name	JANE
Users group	STANDARD
Unrestricted User	●
End date validity	
Anti-passback	Unknown

Insert ID number and press Search

ID Read : activates the reading of ID number, badge or remote control.
After the remote control is sent or the badge is read, the ID number will appear automatically..

Searching by family name is done by manually entering the name to be searched for:



USER

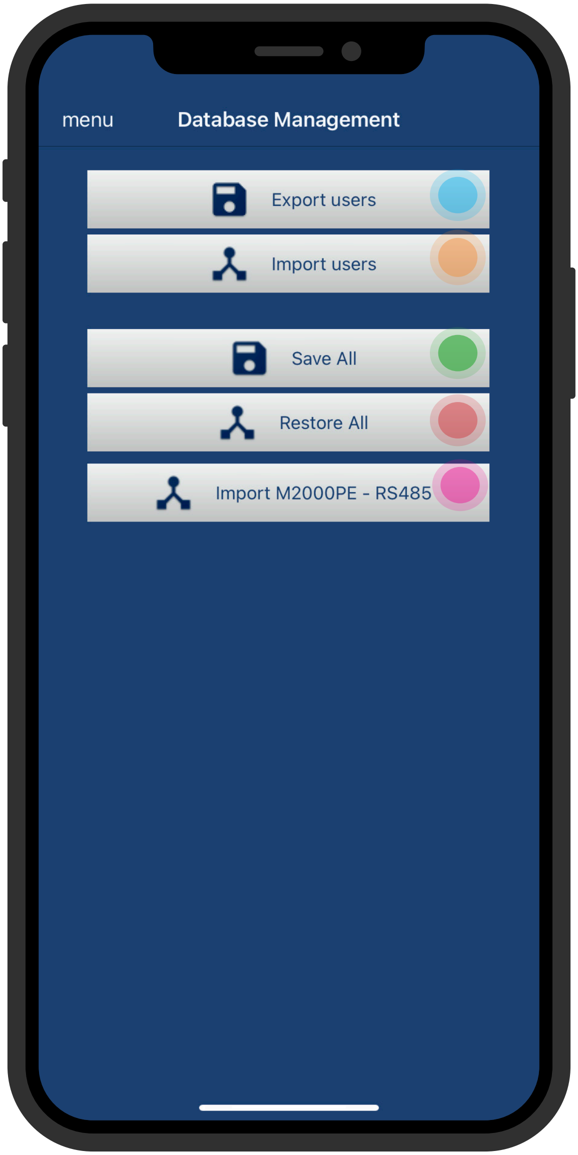
Users ID	102
Virtual Remote Control	○
Users family name	DOE
Users name	JOHN
Users group	STANDARD
Unrestricted User	●
End date validity	
Anti-passback	Unknown

Insert the Name to be searched for, then press Search

3/Backup

The application allows 2 types of backups to be made: either the list of users only, or the complete installation (user list, time slot, relay configuration, etc.).

The database management part also allows the import of backups saved on the smartphone used..



Save the user list.

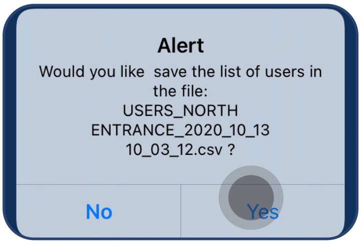
Restore the list of users saved.

Save the complete configuration.

Restore the complete saved configuration.

Import the configuration of a M2000PE -RS485 control unit

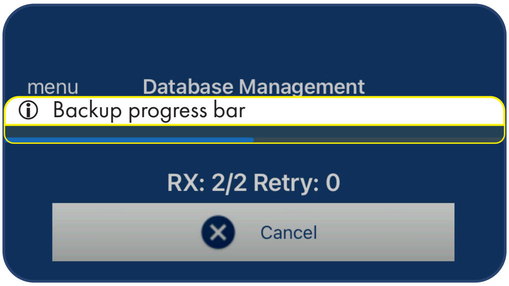
Save/Export :



Alert

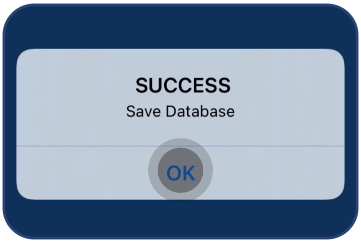
Would you like save the list of users in the file:
USERS_NORTH ENTRANCE_2020_10_13 10_03_12.csv ?

Confirm the saving of the backup
(user list or full configuration)



RX: 2/2 Retry: 0

Wait for the end of the backup.

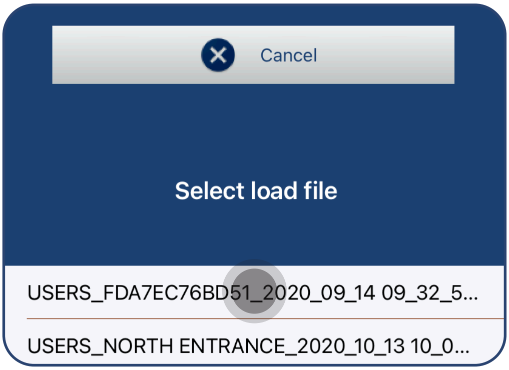


SUCCESS

Save Database

Validate the message of success

Import/ Restore :

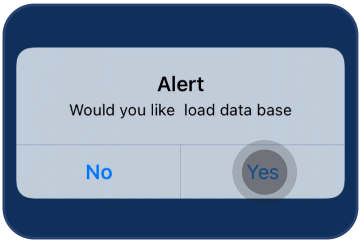


Select load file

USERS_FDA7EC76BD51_2020_09_14 09_32_5...

USERS_NORTH ENTRANCE_2020_10_13 10_0...

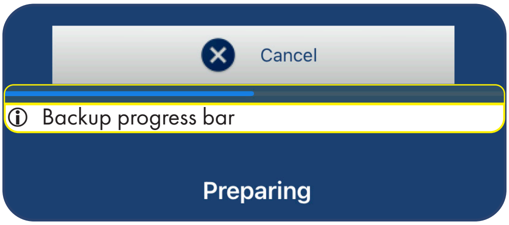
Select the backup file.



Alert

Would you like load data base

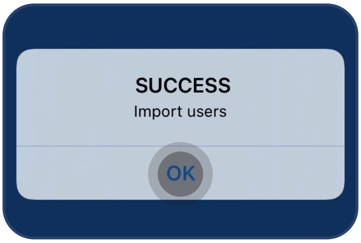
Validate the import of the backup
(user list or full configuration)



ⓘ Backup progress bar

Preparing

Wait for the end of the backup.



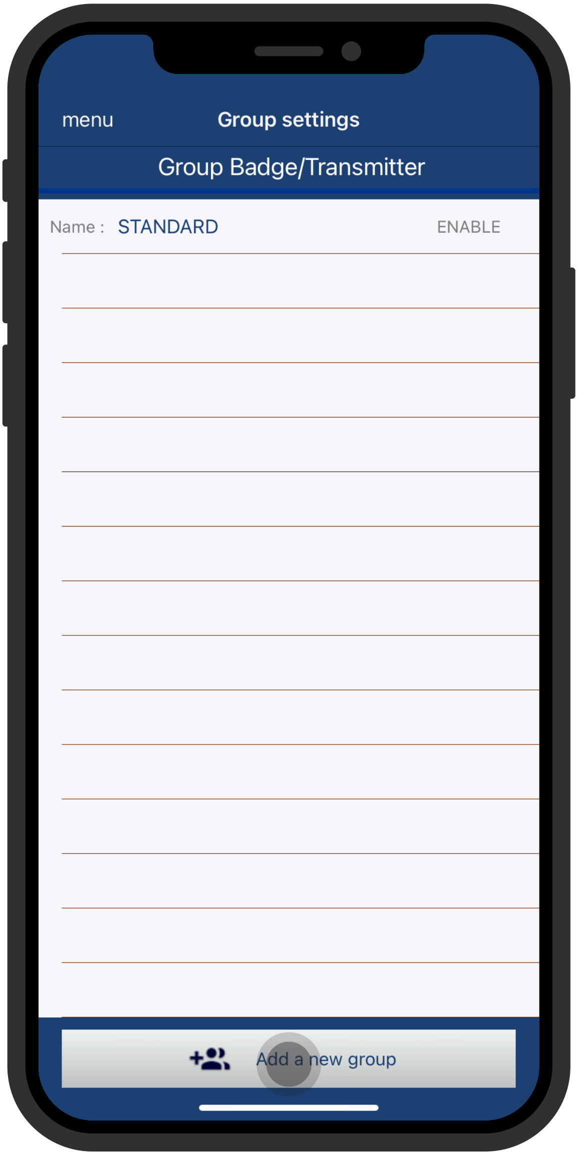
SUCCESS

Import users

Validate the message of success

4/Group settings

The group management function allows you to control the operation of the installation according to the parameters of the group(s).
The group is used to apply a specific configuration to several users.



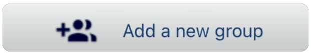
menu Group settings

Group Badge/Transmitter

Name : STANDARD ENABLE

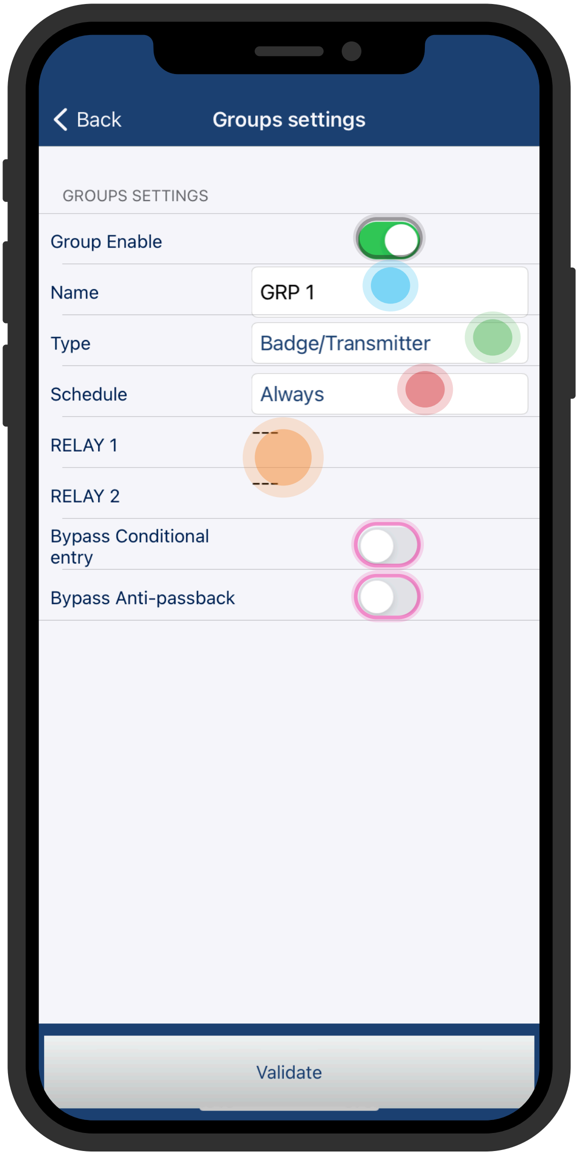
Add a new group

Press on:



Add a new group

In this case we add the GRP 1 group which will be authorised according to the ALWAYS schedule with 2 types of identifiers accepted for RELAY 1 (badges and remote controls) without the bypass function activated.



Groups settings

GROUPS SETTINGS

Group Enable: ●

Name: GRP 1

Type: Badge/Transmitter

Schedule: Always

RELAY 1: ---

RELAY 2: ---

Bypass Conditional entry: ○

Bypass Anti-passback: ○

Enable or disable the group

⌨ Define the group name.

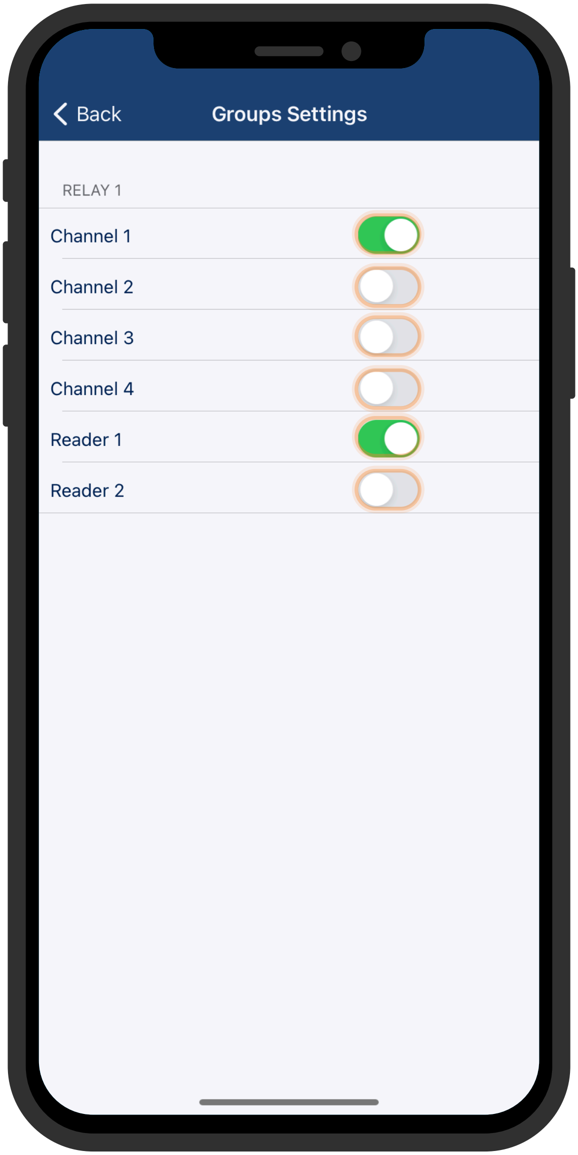
Type of support for your identifers

Activate an access authorisation schedule for this group.

Define the association of a radio channel and/or a reader with the relays for this group

Bypass functions:
In the case of an installation with activated access conditions such as conditional entry or antipassback (see p.42), when the override is activated, the users of this group are no longer obliged to comply with the activated conditions.

Below is the RELAY 1 setting: here RELAY 1 will be activated when Channel 1 of a registered transmitter is activated or when a registered badge is read by Reader 1.

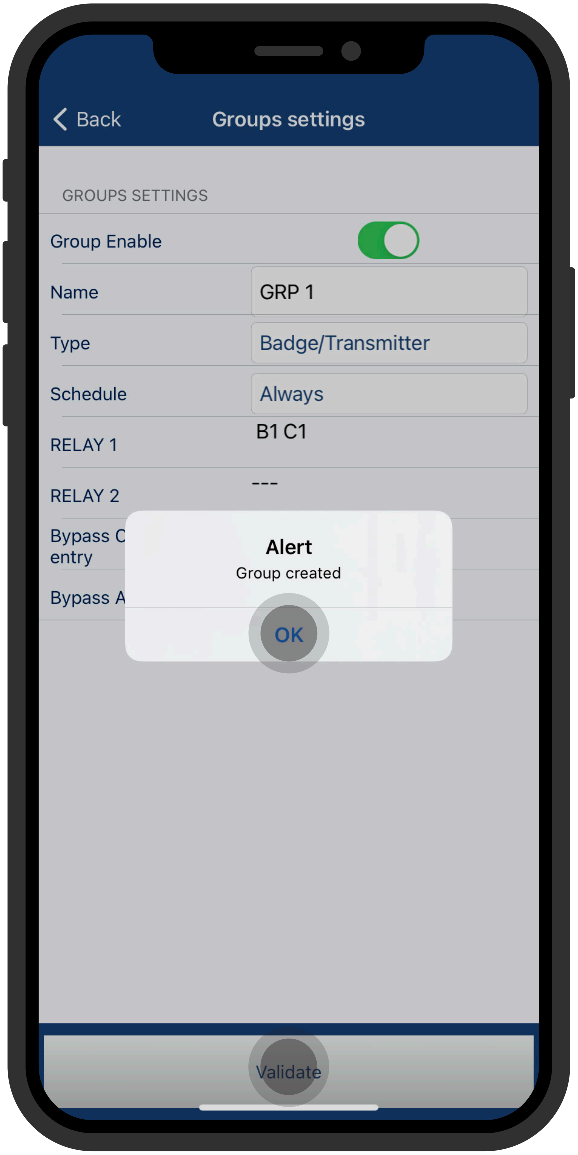


RELAY 1

- Channel 1 ☑
- Channel 2 ☐
- Channel 3 ☐
- Channel 4 ☐
- Reader 1 ☑
- Reader 2 ☐

Define the association of each radio channel and/or readers with the selected relay (here RELAY 1)

When the group is fully set up, press Validate and confirm the group creation warning.



Back

Groups settings

GROUPS SETTINGS

Group Enable

Name: GRP 1

Type: Badge/Transmitter

Schedule: Always

RELAY 1: B1 C1

RELAY 2: ---

Bypass C… entry

Bypass A…

Alert

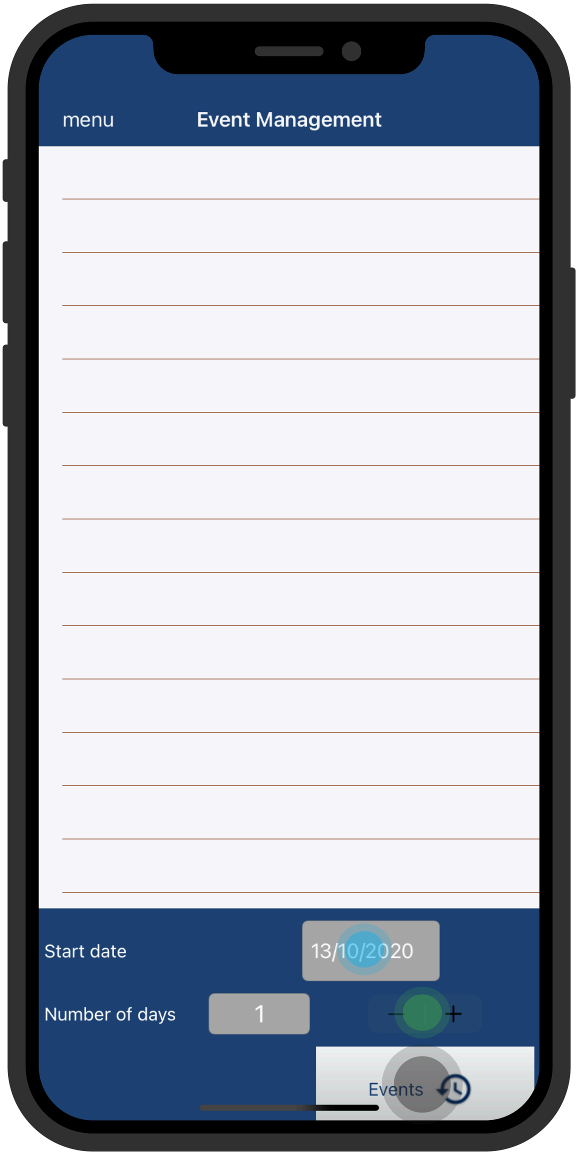
Group created

OK

Validate

5/History

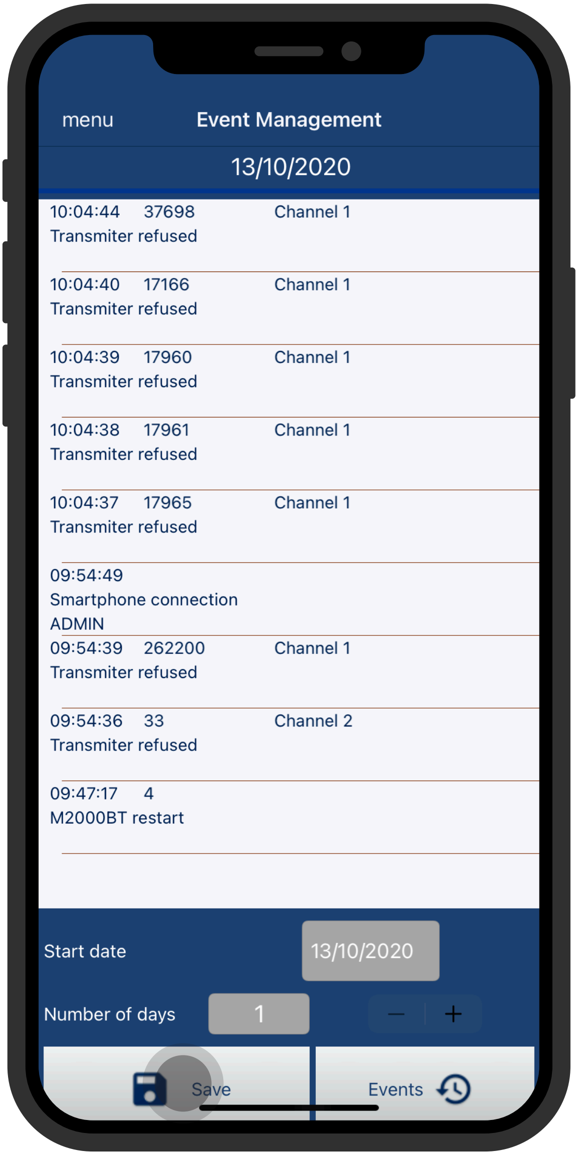
The history function allows access to the database of events such as opening by remote control, smartphone, badge reading or reception of an unknown ID etc...
It is possible to export the list of events in CSV format.



Enter the start date of the history

Select the number of days to be displayed.

Refresh the history according to the parameters defined previously.



13/10/2020

10:04:44 37698 Channel 1
Transmiter refused

10:04:40 17166 Channel 1
Transmiter refused

10:04:39 17960 Channel 1
Transmiter refused

10:04:38 17961 Channel 1
Transmiter refused

10:04:37 17965 Channel 1
Transmiter refused

09:54:49
Smartphone connection
ADMIN

09:54:39 262200 Channel 1
Transmiter refused

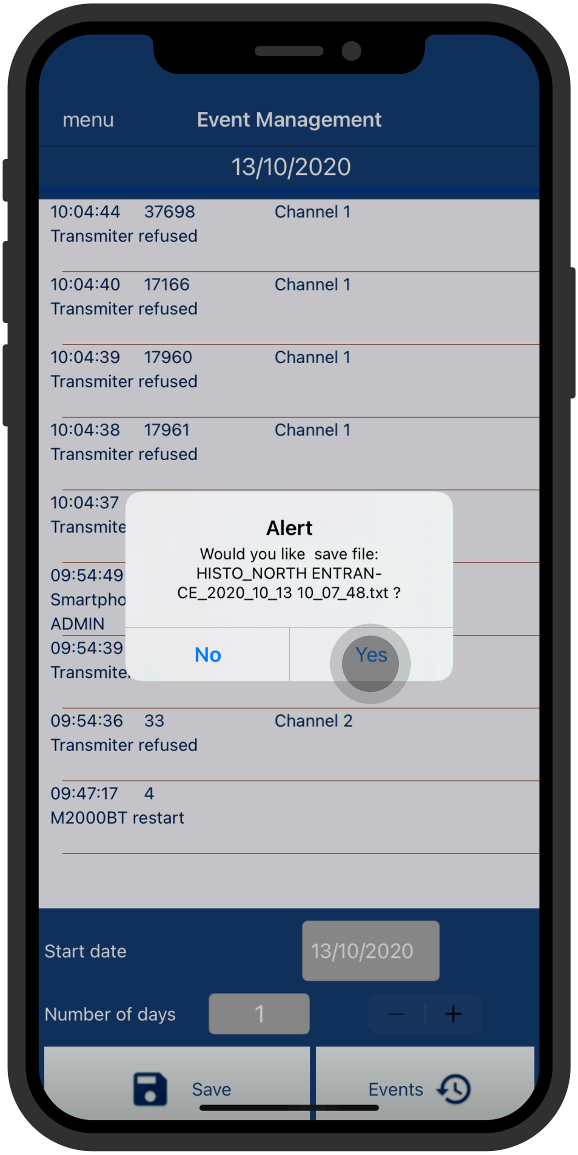
09:54:36 33 Channel 2
Transmiter refused

09:47:17 4
M2000BT restart

Start date 13/10/2020

Number of days 1

Press Save to export the resulting history.



menu Event Management

13/10/2020

10:04:44 37698 Channel 1
Transmiter refused

10:04:40 17166 Channel 1
Transmiter refused

10:04:39 17960 Channel 1
Transmiter refused

10:04:38 17961 Channel 1
Transmiter refused

10:04:37
Transmite

09:54:49
Smartpho
ADMIN

09:54:39
Transmite

Alert

Would you like save file:
HISTO_NORTH ENTRAN-
CE_2020_10_13 10_07_48.txt ?

No Yes

09:54:36 33 Channel 2
Transmiter refused

09:47:17 4
M2000BT restart

Start date 13/10/2020

Number of days 1 – +

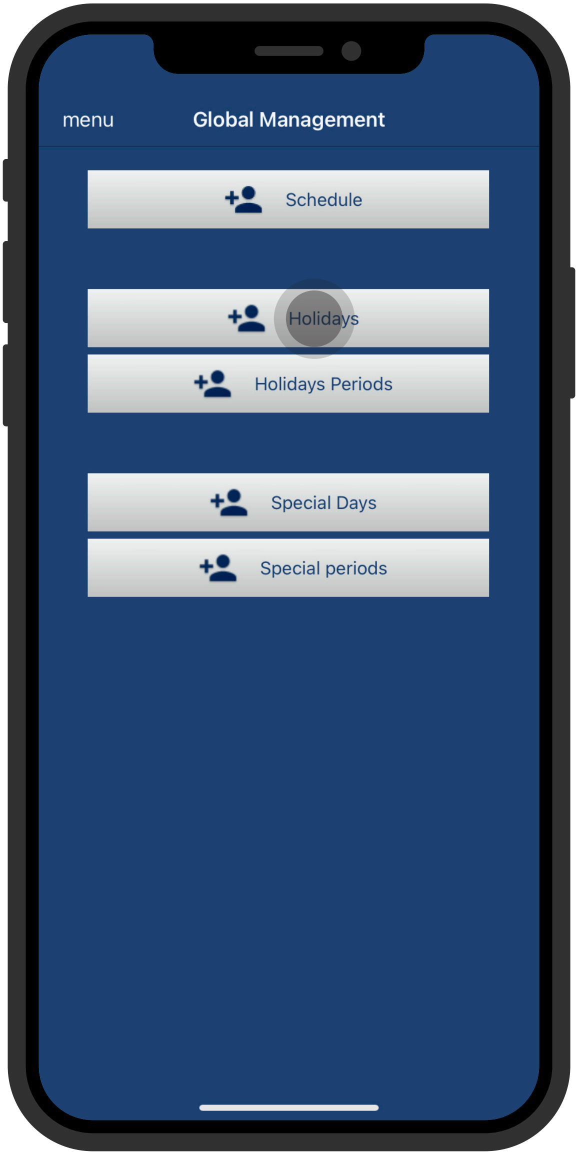
Save Events

Confirm the export of
the history obtained.

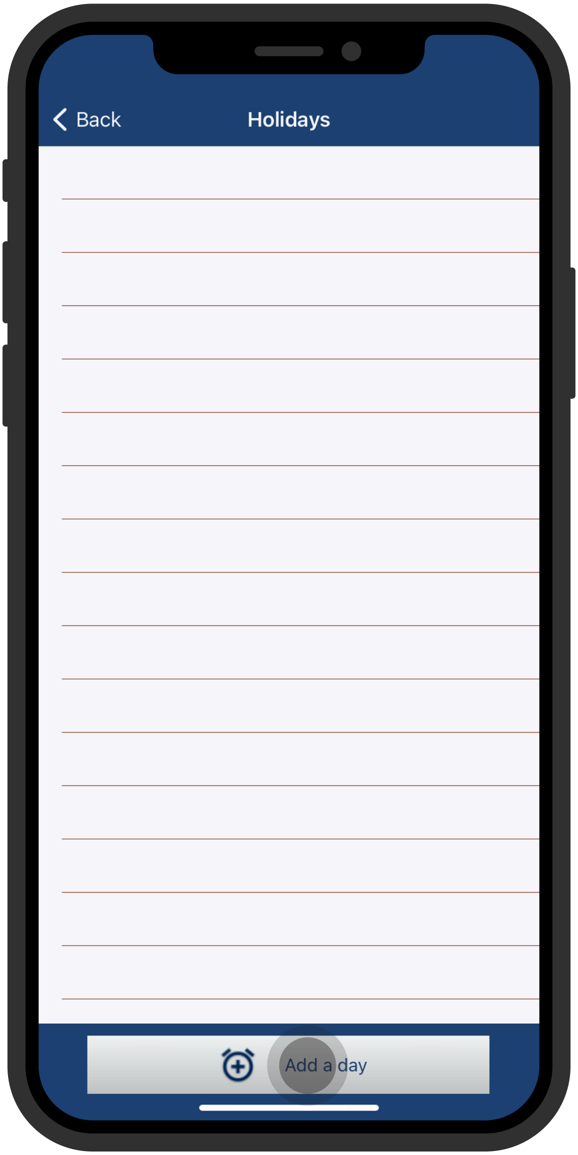
6/Schedule

The time slot function allows you to manage time slots and to add public holidays or special days or periods (e.g. public holiday, open day, etc.).
The following example shows how to add the 14th of July as a recurring holiday every year.

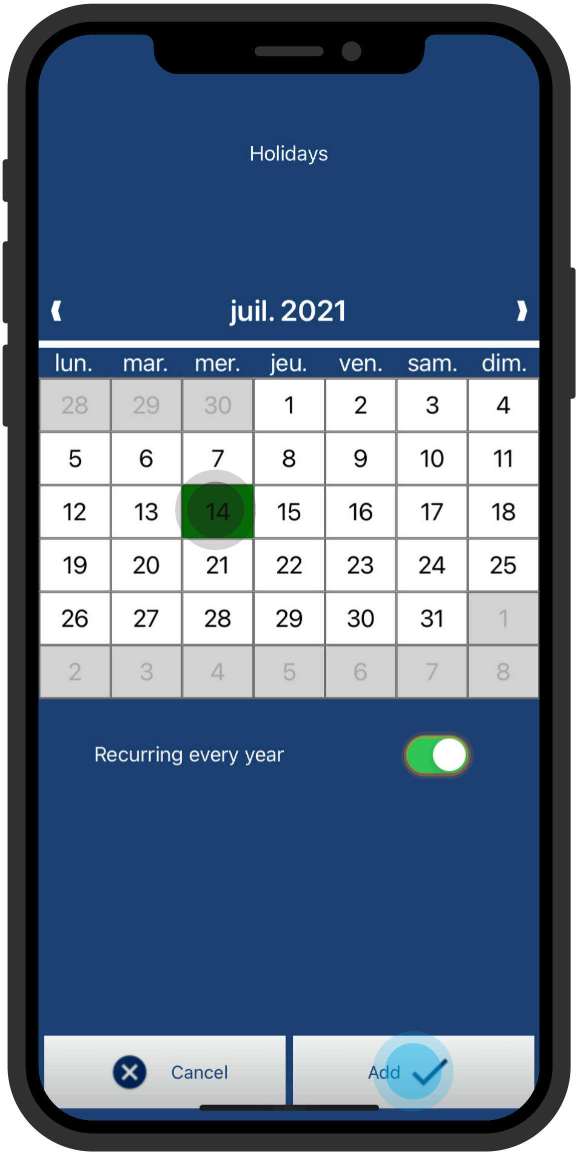
.



Press



Press Add a day



Holidays

❰ juil. 2021 ❱

lun.	mar.	mer.	jeu.	ven.	sam.	dim.
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

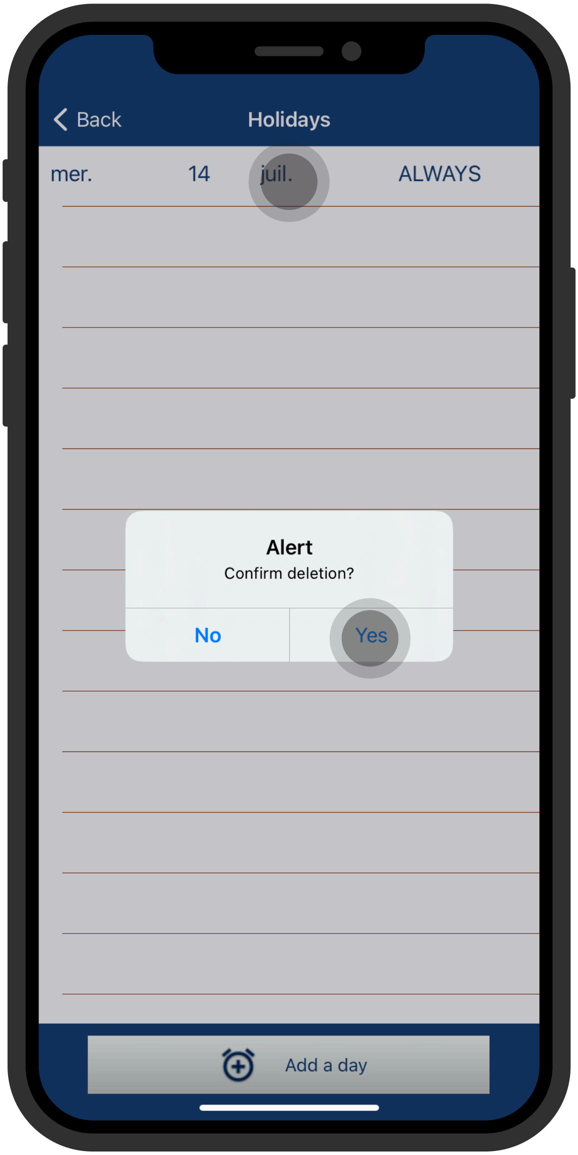
Recurring every year ●

Select the holiday in the calendar (example: 14 July).

Activate the annual recurrence of the holiday.

Press Add ✓ to confirm the addition.

The registered day/period can be deleted by following the instructions below:



Back

Holidays

mer.	14	juil.	ALWAYS

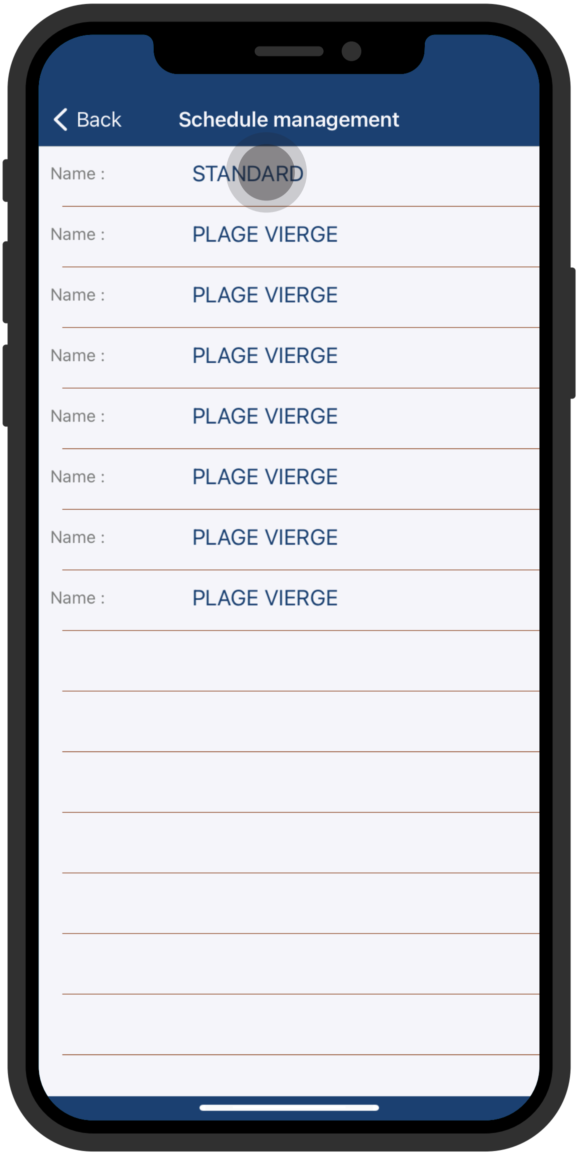
Alert

Confirm deletion?

Press the day/period to be deleted.

Confirm the deletion message

Select the time slot to be modified: Here we will modify the STANDARD time slot to add a specific time slot for public holidays.
In our example, it will apply to the 14th of July, previously defined as a public holiday.



Name : STANDARD

Name : PLAGE VIERGE

Name : PLAGE VIERGE

Name : PLAGE VIERGE

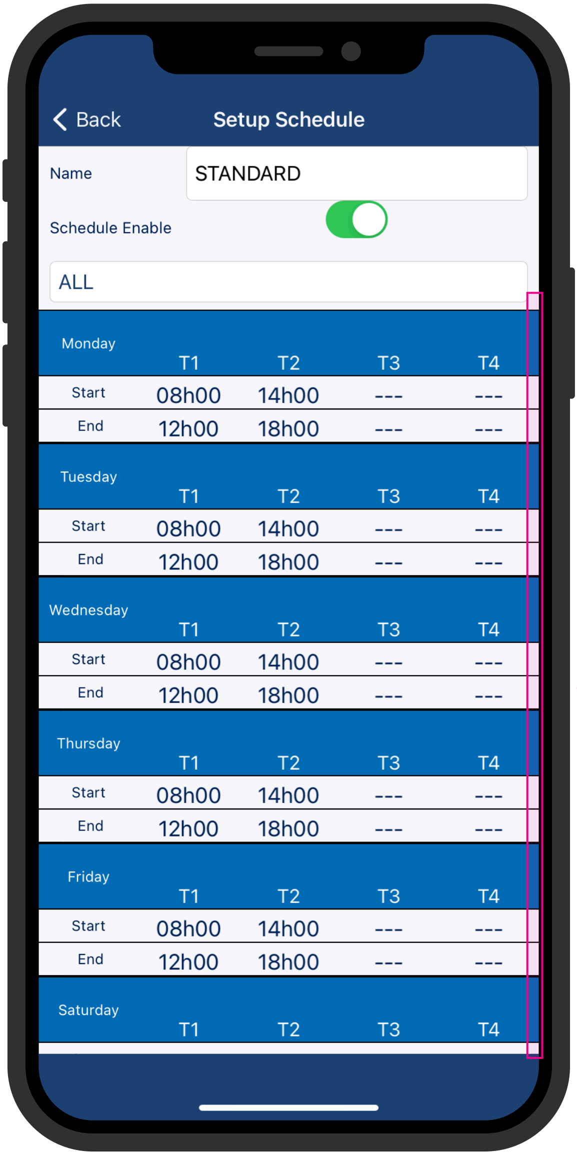
Name : PLAGE VIERGE

Name : PLAGE VIERGE

Name : PLAGE VIERGE

Name : PLAGE VIERGE

Press the schedule to be changed



Back

Setup Schedule

Name: STANDARD

Schedule Enable

ALL

Monday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Tuesday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

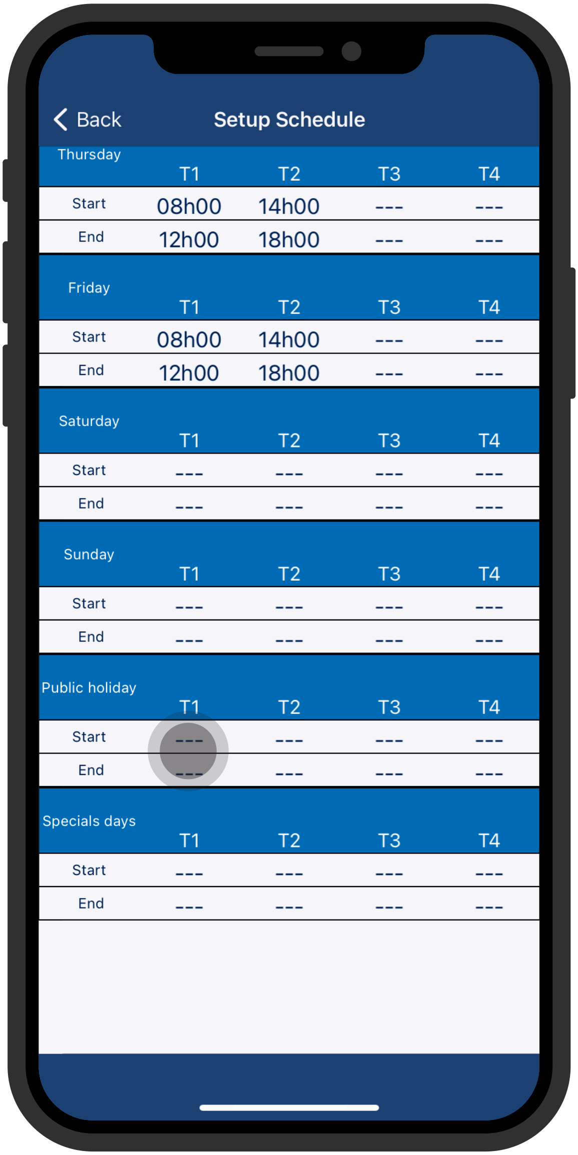
Wednesday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Thursday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Friday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Saturday	T1	T2	T3	T4

Scroll down to the bottom of the screen



Setup Schedule

Thursday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Friday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

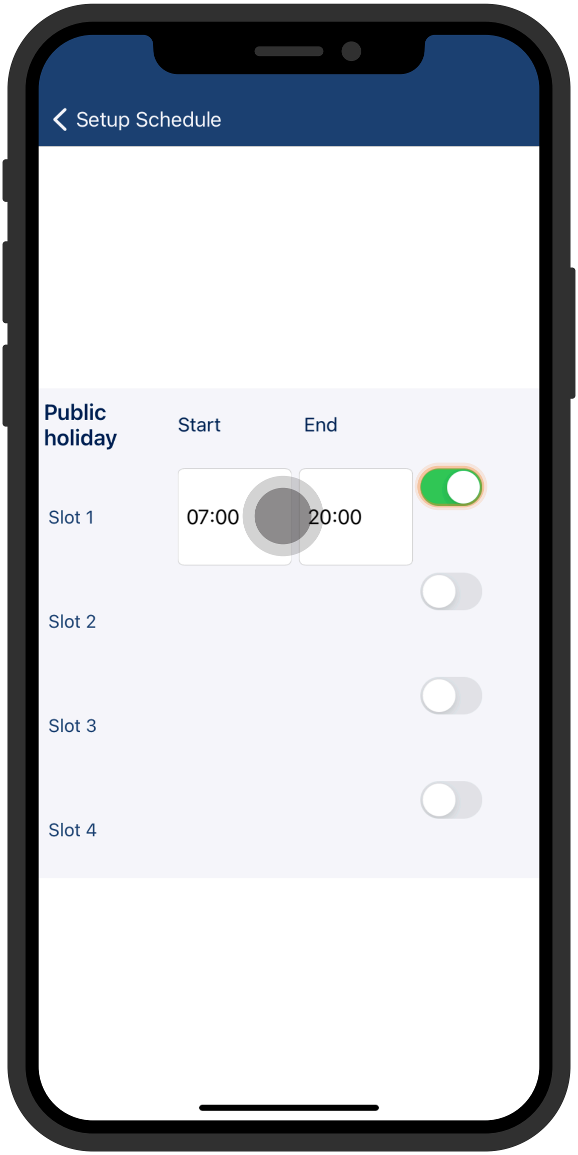
Saturday	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Sunday	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Public holiday	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Specials days	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Press Public Holiday



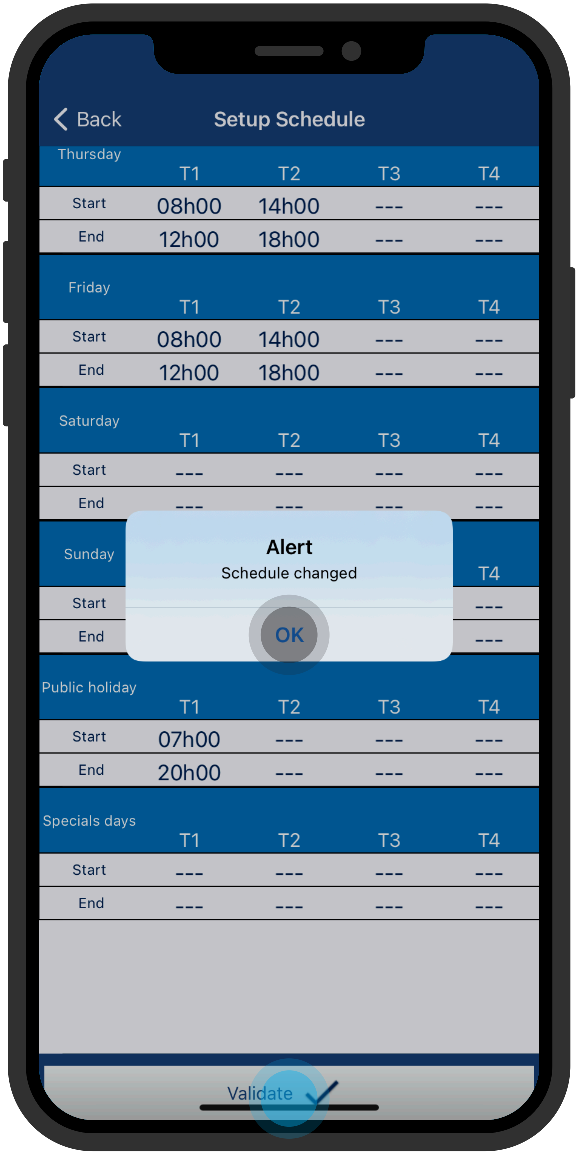
Setup Schedule

Public holiday

	Start	End	
Slot 1	07:00	20:00	●
Slot 2			○
Slot 3			○
Slot 4			○

Enable slot 1.

Enter the start and end time of the time slot.



Thursday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Friday	T1	T2	T3	T4
Start	08h00	14h00	---	---
End	12h00	18h00	---	---

Saturday	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Sunday				T4
Start				---
End				---

Alert

Schedule changed

Public holiday	T1	T2	T3	T4
Start	07h00	---	---	---
End	20h00	---	---	---

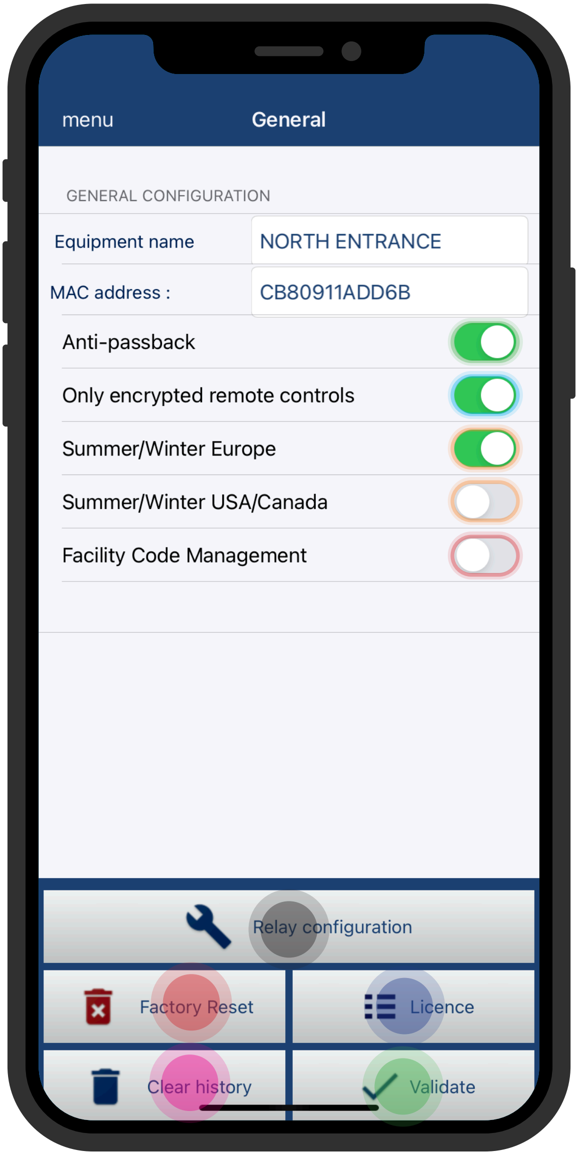
Specials days	T1	T2	T3	T4
Start	---	---	---	---
End	---	---	---	---

Validate changes to Schedule.

Then confirm the warning to change the schedule.

7/Central setting

The following parameters can be managed using the Control unit configuration function:



menu General

GENERAL CONFIGURATION

Equipment name: NORTH ENTRANCE

MAC address : CB80911ADD6B

Anti-passback ●

Only encrypted remote controls ●

Summer/Winter Europe ●

Summer/Winter USA/Canada ○

Facility Code Management ○

Activate the Anti-passback function (see p.42).

Enable compatibility with our encrypted remotes only.
Ex: SLIM+, SLIM2E+

Activate the automatic time change according to the selected geographical area.

Activate the management of the site code for DATA entries.
For example for proximity readers such as the MPROXMINI.

Change the administrator login. (ADMIN by default).

Change the password.

Relay configura: open the relay settings window.

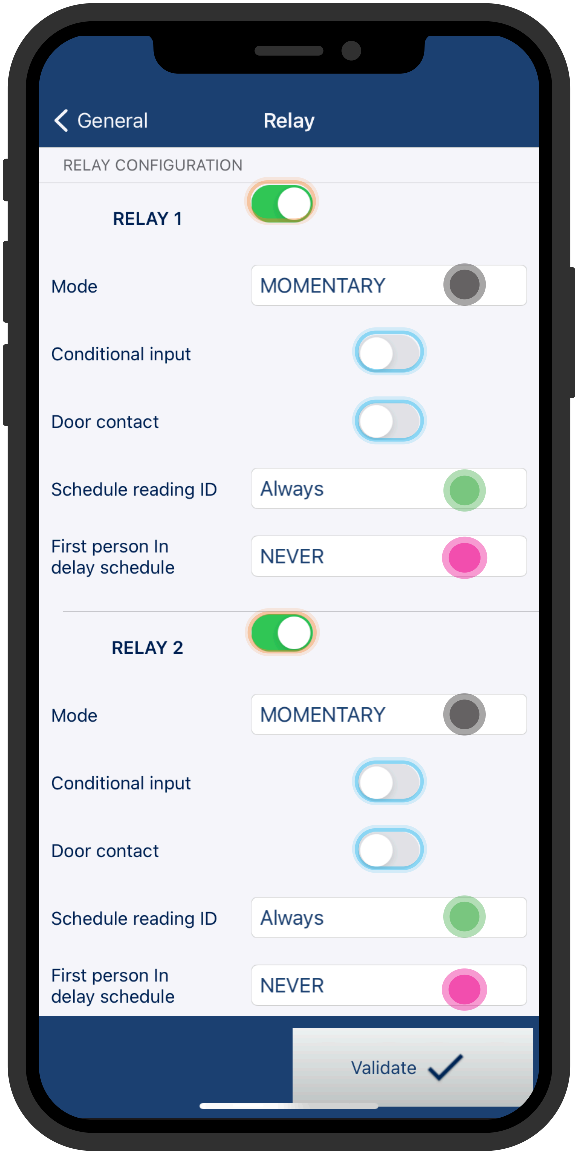
Licence : manage virtual remote control licenses.

Validate : save changes to the control panel and/or administrator login information.

Factory Reset : Reset the control unit to factory settings.

Clear history : delete all events stored in memory.

8/Relay Configuration



RELAY CONFIGURATION

RELAY 1 ●

Mode: MOMENTARY

Conditional input ○

Door contact ○

Schedule reading ID: Always

First person In delay schedule: NEVER

RELAY 2 ●

Mode: MOMENTARY

Conditional input ○

Door contact ○

Schedule reading ID: Always

First person In delay schedule: NEVER

Enable or disable relays.

Relay operating modes:
-MOMENTARY: active for a short time.
-BISTABLE: changes state with each valid order.
-TIMED: active for a defined period of time.

Adds an extra validation act to the activated badge or remote control. For example, activate it when you a magnetic loop contact will allow the presence of a vehicle to be added to activate the conditional entry.
(see p.41).

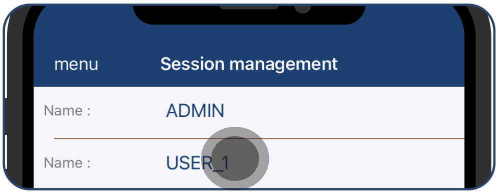
Activate if you need to use the relay as an alarm.

Activation of a schedule for reading IDs.

Activation of schedule for passage authorisation or forced opening on the relay.
The first person in feature set the activation of a pre-planned schedule when the first authorized credential is used.

9/Session management

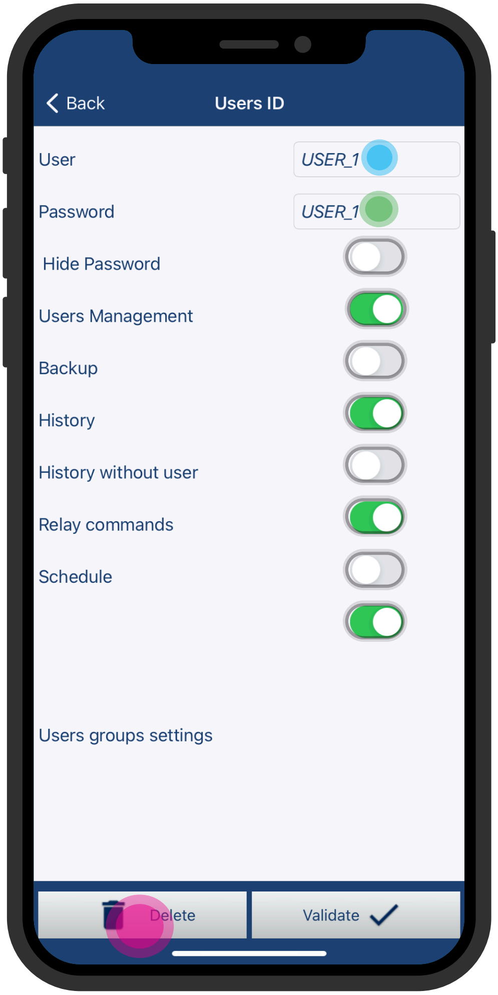
The Session Management function allows you to add and manage user sessions with the selected rights.



Name : ADMIN

Name : USER_1

Press USER_1



User USER_1

Password USER_1

Hide Password ○

Users Management ●

Backup ○

History ●

History without user ○

Relay commands ●

Schedule ○

●

Users groups settings

Change the user's login.

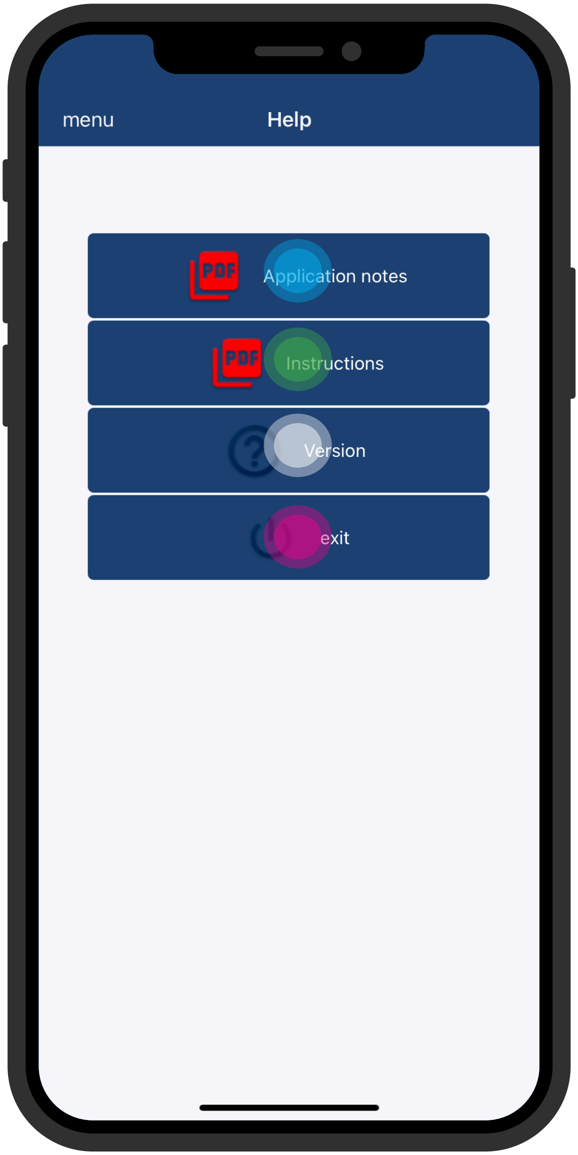
Change the user's password.

Change the user's access rights to the functions of the application.
For example, a user may be allowed to access the history only.

Delete user.

10/Help

The Help function provides access to information useful for the correct installation of the control unit.



Link to the latest version of this guide.

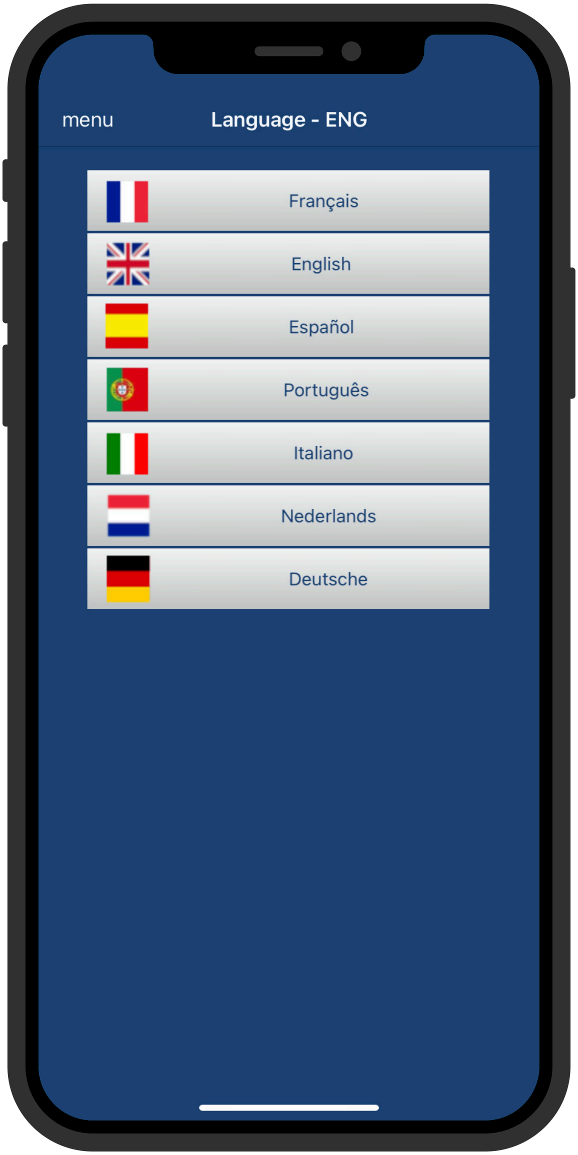
Link to the technical instructions for the installation of the control unit.

Displays the version of the control unit and the application.

Quit the application.

11 / Language

The Language function allows you to change the language of the application.


menu
Language - ENG
Français
English
Español
Português
Italiano
Nederlands
Deutsche