

OPTIMA Box®

ONE Pass
Offline configuration for U&Z
door handle/cylinder



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1. Specifications

1.1 Purpose

This involves configuring each U&Z© handle/cylinder from the factory configuration with the settings appropriate for your installation.

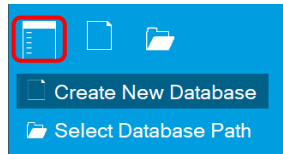
After the initialization of each element, it will be necessary to create badges necessary for the update of the clock, and the possible modification of the parameters (ID reader, ID group).

1.2 Prerequisites

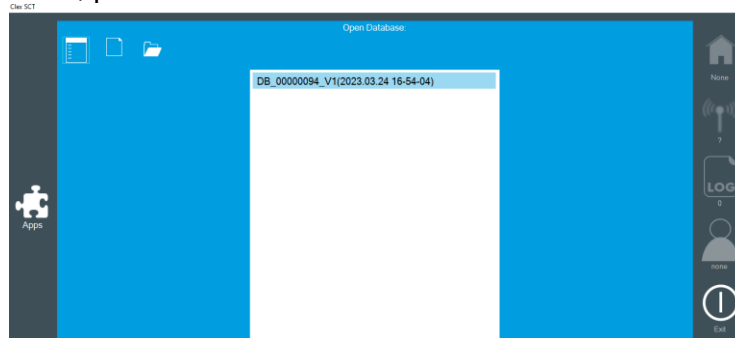
- Offline U&Z© door handles/cylinders in OSS mode
- The "EDEN Offline Factory" badge
- For door handles/cylinders in Radio mode: the U&Z ClexTouch CX6522 kit
- For door handles/cylinders in Bluetooth mode: Bluetooth module activated on the laptop or USB-Bluetooth dongle
- The U&Z© ClexSCT software to install, available here: <https://www.optimabox.fr/soft/ClexSCT.zip>
- Blank database: [https://www.optimabox.fr/soft/DB_00000094_V1\(2023.03.28%2011-55-52\).qml](https://www.optimabox.fr/soft/DB_00000094_V1(2023.03.28%2011-55-52).qml)

2. Initial site setup

- In radio mode, install the ClexTouch USB key and run the **ClexSCT_20201123.exe** program»
- Click on the creation icon and select "Create New Database"



- If a database exists, press and click  on the 1st line



- Click on  and on Sites to create/modify your site



- Press  to creat a new site :

Site Management							
	ID	Name	Description	RFID Settings	Default Lock Unit Settings	Groups	Xtra Groups
1	1	New					

Fill in your site settings:

2.1 Site ID, Name and description

ID : enter a **Site code** (ex : 1)

Name : Name of the site

Description : description of the site

ID	Name	Description	RFID Settings	Default Lock Unit Settings	Groups	Xtra Groups
1	OPTIMA	Site OPTIMA				

With 'RFID Settings' there is controlled how the usercard can be accessed (unused transponder types should be deactivated)

- Legic**
 - A_Stamp: 0x000201010101010000000000
 - A_Stamp_Len: 7
 - Lock Launch: ☐
- Mifare DESFire**
 - AID: 0xF51773
 - Key Number: 1
- Mifare Key(s)**
 - DESFire Key: 0x367163DCA0FC8AFE844715A
 - Mifare Classic Key: 0xD462F4621240

A_Stamp
The stamp which should be searched

2.2 Configuration of the door handles/cylinder

RFID Settings : click on the line to obtain the parameters on the right, with:

- AID** : enter the **Application ID** of your installation
- Mifare Key(s)** :
 - ✓ **DESFire Key** : enter the DESFire key of your site
 - ✓ **Mifare Classic Key** : do not change (recommended)

OPTIMA interface : ONE Pass/**General configuration** :

GENERAL CONFIGURATION

UPDATE READER

IP address: 192.168.2.155

Port: 10001

Reader user key:

Mifare/DESFire master key:

Eden offline application key: **DESFire Key**

Files read/write key: **DESFire Key**

Accelerometer: Normal sensitivity

Tamper switch management: Reset and clear keys

Backup keys: ☐ EEPROM ☒ RAM

TEST CONNECTION

SETTINGS CARDS

Application ID: F51773 **AID**

ID site: 1 **ID**

Maximum stored events: 10

Maximum forbidden owners: 10

SAVE

2.3 Default Lock Settings

The opening configuration can be found in the “Default Lock Unit Settings” column.

- **Coupling** : Set the default open configurations here (if needed).

Site Management

With 'Default Lock Unit Settings' there can be defined a template, which can later be used when configuring the lock.

Extended Unlock Time: 10
Unlock Time: 5

Events

Ignore User Events

Location

DoorID: 0
SiteID: 1

Systemkeys

Batterychange-Group: 0xFFFF
Disassembly-Group: 0xFFFF
Servicekey-Group: 0xFFFF

Time Switches

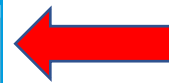
Time Switch #1: [00000000] 00:00:00:00
Time Switch #2: [00000000] 00:00:00:00

Toggle

Toggle Always: ☐
Toggle Ignore: ☐

Batterychange-Group

The group number which defines that the usercard should b...



Unlock time

Note: the Toggle function is activated: check the “Toggle Ignore” option if you want the handle/cylinder not to manage it.

- **Groups** : Name and check the box to select the default group(s) (if needed).

Site Management

Here its possible to give the group-numbers names and to define which groups should be activated as default.

Group	Group name	Selected
0		☐
1		☐
2		☐
3		☐
4		☐
5		☐
6		☐
7		☐
8		☐
9		☐
10		☐
11		☐
12		☐
13		☐
14		☐
15		☐
16		☐
17		☐
18		☐
19		☐
20		☐
21		☐
22		☐

Validate your configuration by pressing



OPTIMA interface : ONE Pass/Offline readers

OFFLINE READERS

OFFLINE READERS LIST

NAME	COMPANIES	ID	OSS-SO GROUPS
Reader 1	Default +3		
Reader 2	Default +3		
Reader 3	Default +3		

EDITING OFFLINE READER

Reader libelle
Reader 1

ID
1

Companies
All companies

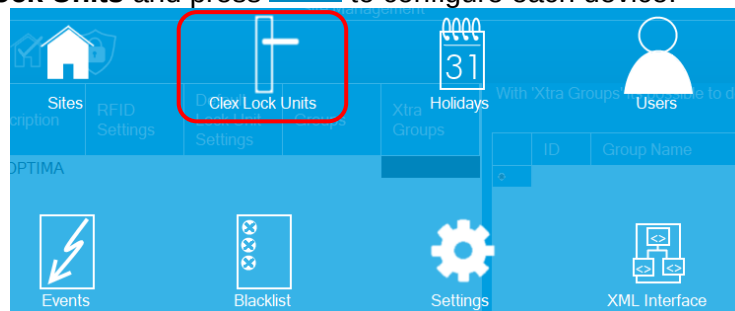
Offline groups

CANCEL OK

3. Initial configuration of door handle/cylinder

3.1 General Configuration

- Go to **Clex Lock Units** and press  to configure each device.



- Fill in the ID, the description for each of your devices.



OPTIMA interface : ONE Pass/Offline readers / Readers group.

3.2 Configuration of door handle/cylinder

For each door handle/cylinder to setup :

- Selection of the device to initialize**

Select the row of the table of the element concerned.

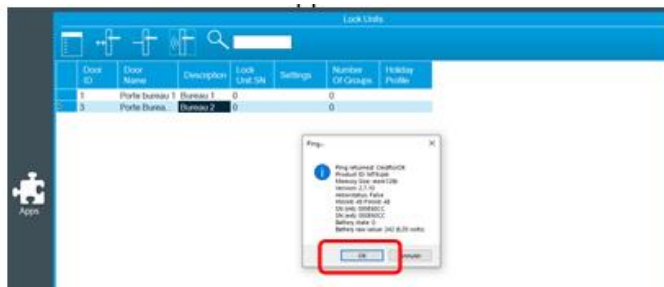
- Switching to Service mode**

Present the “EDEN Factory key” badge on the reading head: the handle/cylinder should beep once and flash green to confirm.

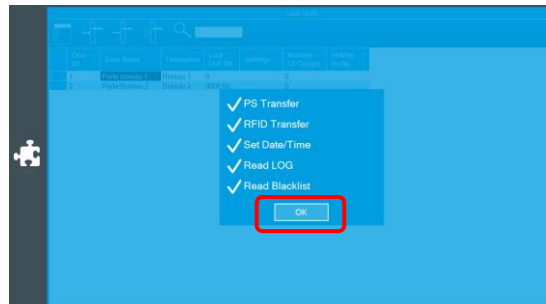


- Sending parameters**

Click on : a confirmation window should appear: click on **OK**.



A confirmation window for sending the parameters will be displayed: press **OK** when finished to exit Service mode.



4. Creation of exploitation badges

The “**EDEN Factory Key**” badge is only used to initialize each handle/cylinder in your installation. After this initialization each element is now configured with a personalized DESFire key. For further operations, it is necessary to create operating badges from the ONE Pass interface.

In order to update the clock and to possibly modify the existing parameters of your door handles/cylinders, it will be necessary to program:

- Door handles/cylinders: a new **Service Badge** to communicate with the ClexSCT software
- Door handle/cylinders : a Black list badge to block users on demand
- Cylinders: an Mount/Unmount badge and a Battery change badge

4.1 Creation of the Service badge, Assembly/Disassembly and Battery change

SERVICE KEY badge

From OPTIMA, create a new “**SERVICE KEY**” user with badge number **65535**.

BATTERY CHANGE badge

In the same way, create a new “**BATTERY CHANGE**” user with badge numbers **65534**.

MOUNT UNMOUNT badge

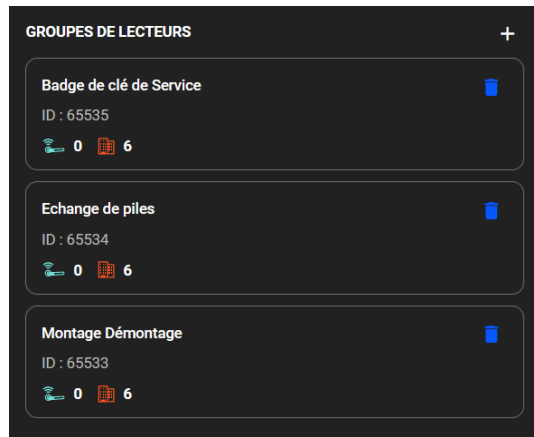
In the same way, create a new “**ASSEMBLY DISASSEMBLY**” user with badge numbers **65533**.

From the “**Offline readers**” menu of the ONE Pass module, create a new readers group “**SERVICE KEY**” for ID **65535**.

Do the same for “**Battery change**” with group 65534 and for “**Assembly Disassembly**” with group **65533**.

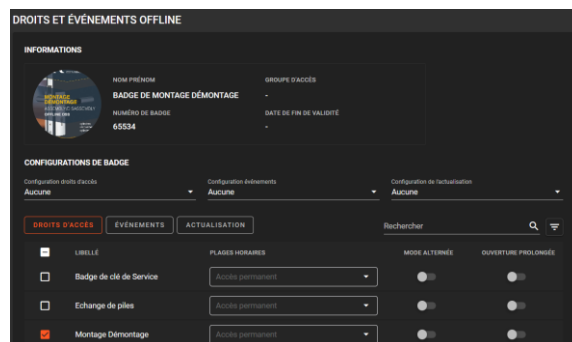
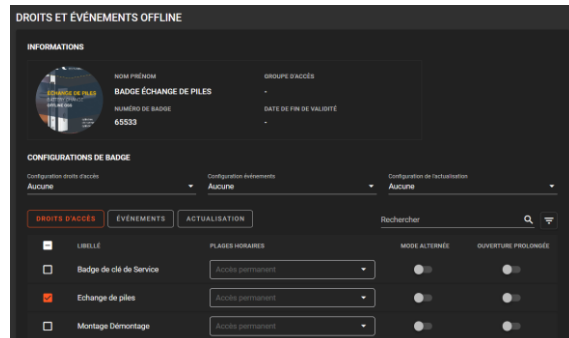
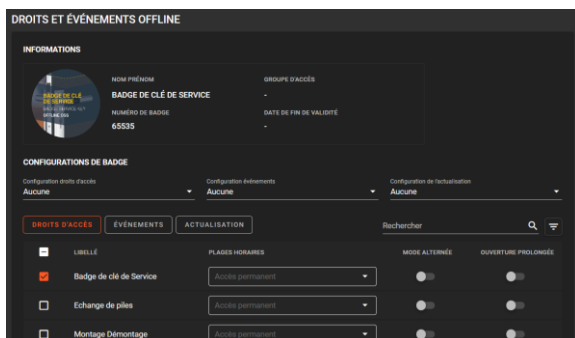
BATTERY CHANGE

Do the same for “**BATTERY CHANGE**” with group **65533** .



4.2 Association of operating badges to groups

Associate badges with each reader group.



4.3 Badge encoding

From the **Owner Rights** menu of the ONE Pass module, click on each previously created user, click on the button **ENCODING** and present the corresponding badge on the updating reader.



4.4 Encoding the black list badge

If necessary, configure a banned list badge from the **Forbidden Badges** menu:

Add the person to be banned and the expiration date, press the **Encoding** button  and present the appropriate badge on the updating reader.



5. Update clock/properties of door handle/cylinder

If no settings have been changed in the U&Z ClexSCT software, connecting to the element causes its clock to be updated.

If you change a setting in the software, connecting to the element causes its clock to be updated and the new settings to be sent.

Here is the procedure:

- **Selection of the device to initialize**

Select the row of the table of the element concerned.

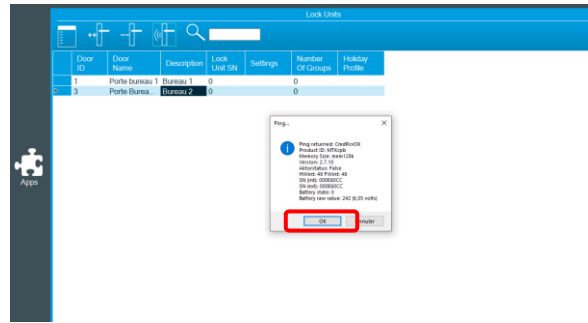
- **Switching to Service mode**

Present the previously created “**Service Key**” badge on the reading head: the handle/cylinder should beep once and flash green to confirm.

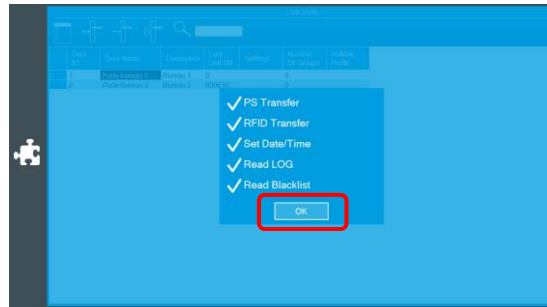


- **Sending parameters**

Click on : a confirmation window should appear: click on **OK**.



A confirmation window for sending the parameters will be displayed: press **OK** when finished to exit Service mode.





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