

## X1R Smart – User Manual



**ISEO**



# About this manual

Dear customer,

The door is equipped with an electronic lock with a motor-driven bolt closing mechanism with built-in digital control. ISEO research and experience have led to the development of a product that offers the state of the art in terms of security and reliability. To find out all about this product and make the best use of all it has to offer, read this booklet and keep it handy. It will come in useful again whenever you want to reprogram or check your access, as well for doing ordinary maintenance and solving any problems.

For commercial documents (catalogues and leaflets), technical documents (installation and maintenance manuals), and certifications refer to the *ISEO Zero1* website at the following link:

<http://gamma.iseozero1.com/en/controllo-accessi/>

## Information icons

For an easy reading of the manual, please take note of the following icons:



**WARNING:** situations that could cause injury to yourself or others.



**CAUTION:** situations that could cause damage to your *Device* or other equipment.



**NOTE:** notes, suggestions and additional information.

## Information on copyright

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## Keywords

- **Access:** passage or door which access is electronically controlled by the *Access Control Device*.
- **Access Control Device:** electronic and/or mechanical device to allow selective access through the users' doors.
- **Argo app:** it is an app for smartphones, *Bluetooth Smart* ready, that allows to manage and program the *Access Control Device*.
- **Cable gland spring:** it is a concealed lead cover, installed in the hinges side of the door, where inside laying the cables to be connected to the lock. For example the external power supply cables. The spring slides inside the door, so that it can be open and closed without damaging the cables inside.
- **Card/Tag:** electronic card that can be read from the lock, by an RFID reader connected to it, simply bringing it closer to the same, without physical contact.
- **Credential:** device that allows to identify the user and authorize or non-authorize access through a door. For example: Smartphone, Tablets, Mifare Cards or Mifare Tags.
- **Door opening time:** it is the time that allows user to open the door following an opening command. If the door is not opened during this time, it will automatically lock.
- **Door close delay time:** it is the elapsing time between the door closing and the bolts locking.
- **Door contact sensor:** electronic device made of 2 contacts and installed in the door frame, that allows *X1R Smart* to know if door is ajar or open. It is possible to install it in the lock side or in the hinges side of the door.

- **Door status:** it defines the “door condition”, open or closed, which can be in detail:
  - a. Door closed and safe: with spring latch and bolts extended (shot out).
  - b. Door closed and not safe (ajar): with only spring latch inserted.
  - c. Door opening or tampering: with backward spring latch movement and bolts inserted.
  - d. Door fully open: spring latch and bolts backward/withdrawn.
- **Door status relay:** it is a relay, built-in into the *X1R Smart* electronic board, that allows to send outside the *Door status* signal: open or close. It can be used for example in a home automation system, to switch on the light when door opens, or to activate an alarm system when door closes. It needs to work the DC external power supply by *Cable gland spring*.
- **External control module:** it is an accessory connected by a wiring to the lock electronic board. It has to be installed in the external side of the door and embed an *RFID module*, for *Cards* reading purpose, and a *Bluetooth module* for the *Argo* app interface. It can be supplied with keyboard, to memorize PIN as *Credential* to open the door.
- **Internal control module:** it is an accessory connected by a wiring to the lock electronic board. It has to be installed in the internal side of the door and by 2 buttons, allows the door opening and closing. It is normally used without *Single Action* version.
- **Master card:** *Cards* used to program and manage the *Access Control Device*.
- **Master Card Level:** it is related to the number printed on each *Master Card*, belonging to the same *System Code*, that can be 1, 2 or 3.
- **Master Card Set:** set of three *Master Cards* numbered from 1 to 3, belonging to the same *System code*. The *Master Card* of higher number disable the *Master Card* of lower number.
- **Optoisolated input:** it is an electrical input made by a component that transfers electrical signals between two circuits, keeping them isolated between each other. In this way issues to one of the two circuit, such as electrostatic discharges, voltage spikes or short circuits, does not affect the other one.
- **Programming mode:** software condition, feasible by *Master Card*, that allows software modification to the *Device*.
- **Remote opening command:** it is an opening command sent to the lock through an optoisolated input. It can be, for example, an intercom push button or a button placed nearby the reception desk.
- **Single Action:** lock version made of a very advanced and precise mechanical system, that allows the internal handle to retract latch and deadbolts in one unique and fluid movement
- **Smart series:** *Access Control Device* which embed *Bluetooth* radio module to communicate to compatible smartphone by the *Argo* app.
- **System Code:** unique number associated to a *Master Card set*.
- **User Card:** *Card* used to open one or more doors
- **User List:** *Credential* list enabled to open an *Access Control Device*.

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# Safety and Environment

## Safety information

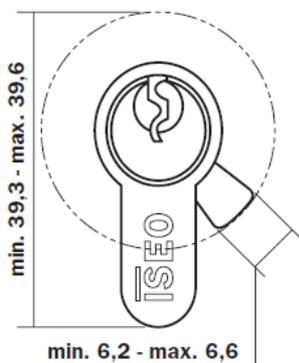
To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep this manual in a convenient place so that you can refer to it when necessary.



### WARNINGS

- Read this manual prior to use the *Device* in order to ensure a safe and proper use.
- Preserve this manual as future reference.
- The installation of the device requires the intervention of qualified staff, adequately trained by ISEO.
- The instructions should be carefully followed during installation. These instructions and any maintenance instructions should be passed on by the installer to the user.
- The product can be destined only for the use for which it was expressly made and, therefore, as an armored door lock for civil and industrial locations. Any other use is to be considered improper and dangerous.
- Do not work on the door with the lock installed in order to prevent wood or metal residue getting into the lock.
- Distance between striking plate and latch tip, completely in (from both motor or key), must be between 2 and 3mm.
- Handle must not have any friction during the return phase.
- Connecting rods must have a play of at least 1 millimeters so that the deadbolt does not remain subjected to traction in the rest position. This would compromise in fact the latch to be correctly released when recalled by key.
- Connect the *Remote opening command* input to 8÷30Vdc/ac power supply source (optoisolated input).
- To use the internal *Door status relay* (30Vdc - 1A / 125Vac - 0,3A MAX), an external power supply source is mandatory. Fit therefore a cable gland to allow the cable to pass through the hinges side of the door.
- When using a feeder as a direct power supply source (8÷30Vdc/ 30W MAX), fit a cable gland to allow the cable to pass through the hinge side of the door.
- Electrical connections must be done according to the manufacturer's instructions and in compliance with the current regulations.
- Do not connect the *Device* to power sources exceeding the indicated ones.
- *Single Action* version allow to withdraws bolts and latch by handle at the same time. *Standard* version allow to withdraws only the latch by handle.

- The *X1R Smart* lock works correctly when using cylinders with standardised profile cams of the size indicated below:



- When used with cylinder with knobs, make sure that after the cylinder has been turned the cam does not remain engaged, which will cause the motor to rotate in neutral.
- Make sure that *External control module* is not subject to heavy rain.

## Disposal and recycling

This product and battery are designated for separate collection at an appropriate collection point. Do not dispose of as household waste.

For more information, contact the retailer or the local authorities in charge of waste management.



This symbol on the battery indicates that the battery is to be collected separately. Dispose of batteries according to your local environmental laws and guidelines.



This symbol indicates to not dispose of the packaging with household waste, but send it for recycling.

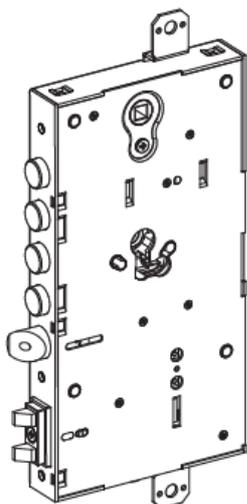
# Overview

## What is X1R Smart

*X1R Smart* is the utmost evolution of *X1R Easy*, the electronic motorized lock for armored doors, developed and created by ISEO for the electronic access control. *X1R Smart* embed a *Bluetooth Smart multistandard ISO 14443 A/B* reader, in order to work with *Argo*, the new application suitable for *Android* and *iOS* smartphone.

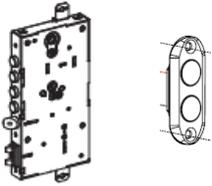
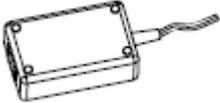
The basic features, principle of working and dimensions are the same of the previous *X1R Easy* but, in addition to that, *X1R Smart* take advantage of the next main new features:

- **Bluetooth Smart Technology:** in order to work with *Argo*, the new application suitable for *iOS* and *Android* smartphone.
- **Multistandard card/tag reader:** 13,56Mhz RFID technology, ISO14443A/ ISO14443B (Mifare Classic/Plus/DesFire).
- **Single Action version:** the internal handle retracts latch and deadbolts in one unique and smooth movement. In this way the user can always open the door from the inside simply pushing on the handle, even if the deadbolts are out.
- **DC external power supply:** by cable gland spring, placed in the hinges side of the door, or by *door sensor contact*.
- **Output relay built-in on lock:** to get the *door status* signal.
- **Optoisolated input built-in on lock:** to get the *remote opening command*.



***X1R Smart***

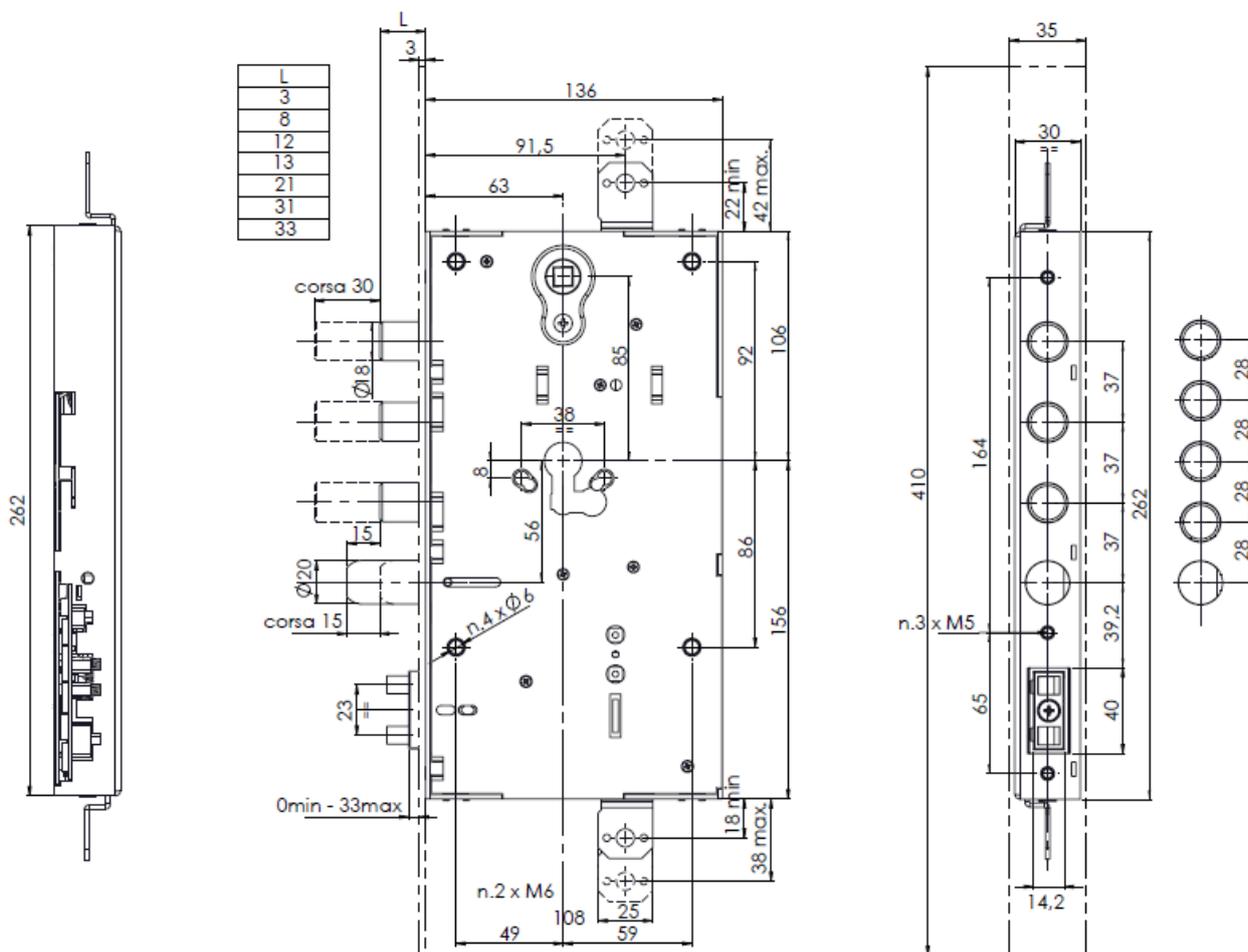
## System components

Components	Description	Features
	X1R electronic lock for security doors and door contacts sensor.	<ul style="list-style-type: none"> <li>For application or insertion version</li> <li><i>Standard</i> or <i>Single Action</i> version</li> <li>Door contacts supplied with the lock</li> </ul>
	Battery holder complete with power supply cable and set of batteries.	<ul style="list-style-type: none"> <li>6 x 1,5V Alkaline Batteries "D" Type</li> </ul>
	DC Power supply unit	<ul style="list-style-type: none"> <li>Power supply unit 8-30Vdc, P = 30W</li> </ul>
	Master Card	<ul style="list-style-type: none"> <li>To configure and manage the system (system's initialization and plant code assignment)</li> </ul>
	RFID credentials	<ul style="list-style-type: none"> <li>Mifare cards/tags</li> <li>ISEO cards/tags</li> </ul>
	Smartphone with app Argo	<ul style="list-style-type: none"> <li>Bluetooth 4.0 ready</li> <li>From iPhone 4s with iOS 7 and above</li> <li>Android phones from ver. 4.3</li> </ul>
	External control module: external keyboard with embedded RFID reader, or RFID reader only without keyboard. Both with built-in Bluetooth radio module.	<ul style="list-style-type: none"> <li>13,56Mhz RFID reader</li> <li>Not visible RFID reader</li> <li>Bluetooth 4.0 ready (low energy)</li> </ul>
	2 Buttons internal control module	<ul style="list-style-type: none"> <li>Door opening and closing buttons</li> <li>Not necessary if <i>Single Action</i></li> </ul>
	Faceplates for external and internal control module	<ul style="list-style-type: none"> <li>4 different finishes</li> </ul>

## Technical data

Features	Description
RFID Reader	<ul style="list-style-type: none"> <li>▪ Multistandard 13,56 Mhz</li> <li>▪ ISO14443A/ ISO14443B (Mifare Classic/Plus/DesFire).</li> </ul>
Bluetooth 4.0 Module	<ul style="list-style-type: none"> <li>▪ 2,4GHz Radio Board</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>▪ Power supply unit 8-30Vdc, P = 30W</li> <li>▪ 6 x 1,5V Alkaline Batteries "D" Type</li> <li>▪ Door contact sensor</li> </ul>
Optoisolated input	<ul style="list-style-type: none"> <li>▪ 8-30Vdc/ac</li> </ul>
Output relay (contact resistive)	<ul style="list-style-type: none"> <li>▪ Contact rating (resistive): 30Vdc, 1A / 125Vac, 0,3A</li> </ul>
Battery life (valid only for battery powered version)	<ul style="list-style-type: none"> <li>▪ Up to 20.000 opening (*)</li> <li>▪ 4 levels battery charge detection by the Argo App.</li> </ul> <p>(*) Depending on usage, environment, options.</p>
Software	<ul style="list-style-type: none"> <li>▪ Argo app available for Android and iOS.</li> <li>▪ Automatic software upgrade: when an update is available your phone notifies you and the new software will be automatically installed in the lock from your phone.</li> </ul>
Version	<ul style="list-style-type: none"> <li>▪ Standard</li> <li>▪ Single Action</li> </ul>
Mechanical dimensions	<ul style="list-style-type: none"> <li>▪ Handle follower: 8mm</li> <li>▪ Backset: 63mm</li> <li>▪ Centre distance: 85mm</li> </ul>
Functional modes	<ul style="list-style-type: none"> <li>▪ 5 functional modes to be set by the end user by the Argo App.</li> </ul>
Opening commands	<ul style="list-style-type: none"> <li>▪ Bluetooth 4.0 by the Argo App</li> <li>▪ RFID reader</li> <li>▪ External keyboard</li> <li>▪ 2 buttons internal control module</li> <li>▪ External powered contact/ button</li> </ul>
Finishes (faceplates)	<ul style="list-style-type: none"> <li>▪ Inox</li> <li>▪ Polished Inox</li> <li>▪ Satin brass</li> <li>▪ Polished brass</li> </ul>
Mechanical lock case compatibility	<ul style="list-style-type: none"> <li>▪ Euro profile cylinder hole (EN1303, DIN18252)</li> </ul>
Environmental characteristics	<ul style="list-style-type: none"> <li>▪ Operating temperature: from -10°C to +60°C</li> <li>▪ Storage temperature: from -25°C to +65°C</li> <li>▪ H.R. Max. 95% without condensing.</li> </ul>

## Dimensions



Feature	Dimensions
Handle follower	▪ 8mm
Backset	▪ 63mm
Centre distance	▪ 85mm



For detailed commercial information, please check X1RSmart catalogue and leaflet available at link: <http://gamma.iseozero1.com/en/serrature-elettroniche/>

## Options and versions

There are several possible configurations and options available. Each configuration can be *Standard* or *Single Action version*, with battery, DC power or both. DC power can be supply via concealed *cable gland spring* or *door sensor contacts*. You can decide to install only an external *RFID reader* or *keyboard* option too. You can add a *remote opening button* using the *optoisolated* input. Or you can drive a motorized *swing door operator*, or interface to a home automation system, using the *outputs relay\** built-in into the lock.



*Single Action* version does not require the two buttons *internal control module*.

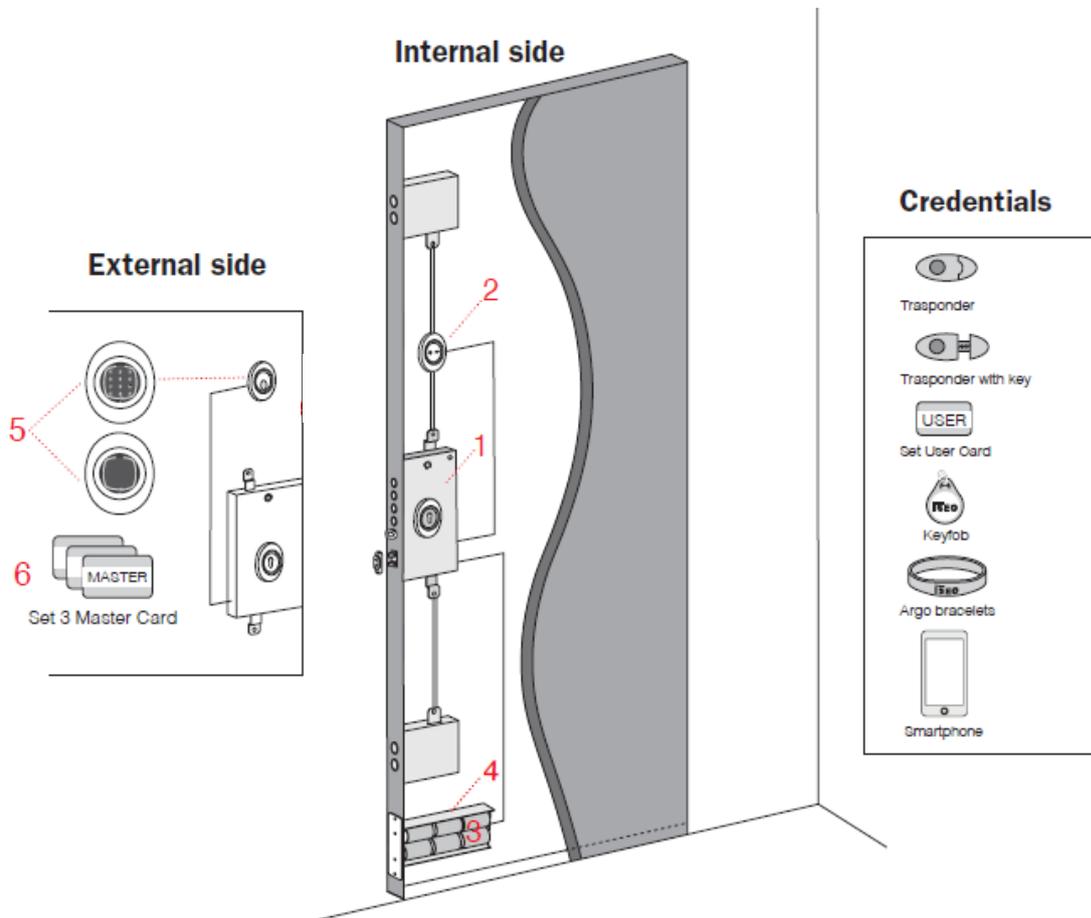
\*To take advantage of the built-in relay it is necessary the DC power supply by *cable gland spring*.

In the next examples you can find the 3 main configurations, named *A*, *B* and *C*:

- A. Alkaline batteries powered.
- B. DC power supply via cable gland spring plus alkaline batteries as back-up.
- C. DC power supply via door sensor contacts plus alkaline batteries.

### A. Alkaline batteries powered.

No wiring needed. The lock uniquely works by using the alkaline battery pack.



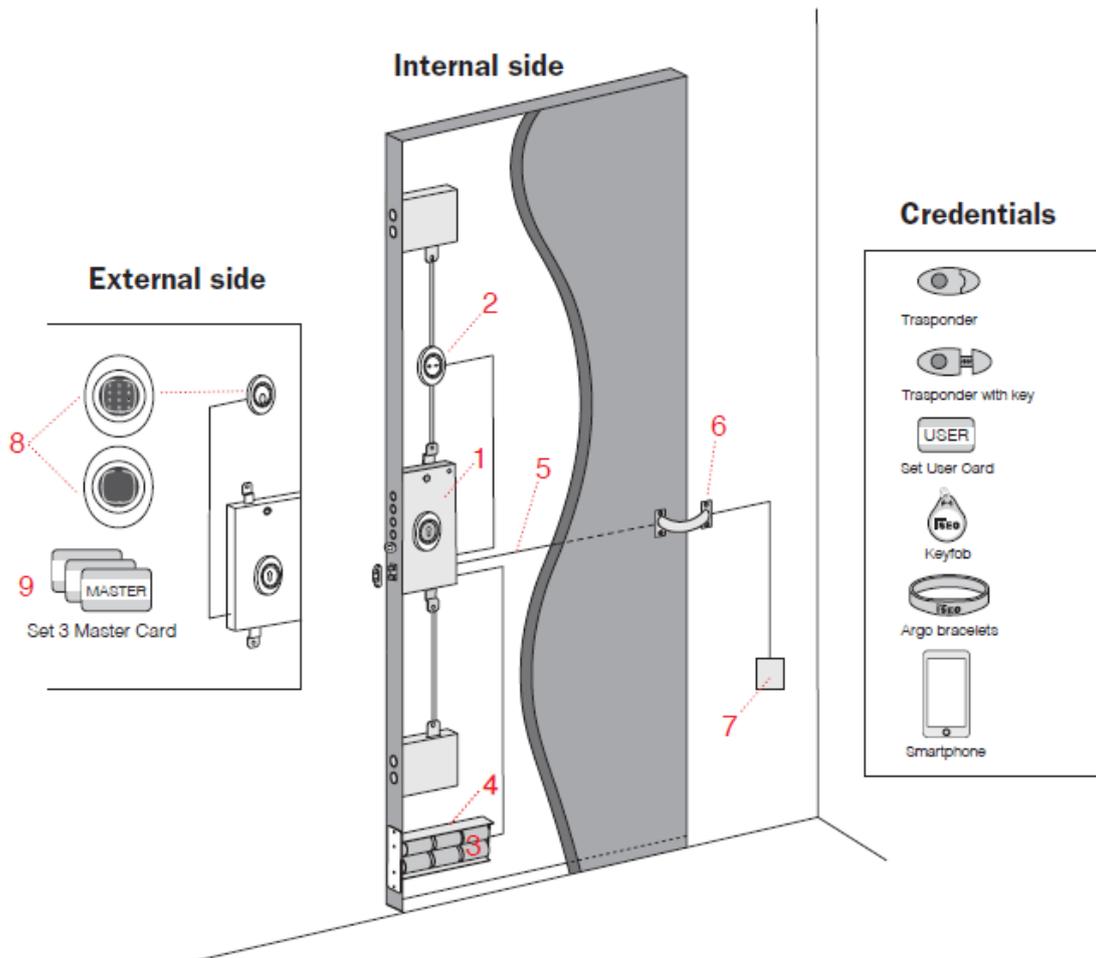
1. X1R Smart lock.
2. Two buttons internal control module (not necessary if *Single Action* version).
3. Alkaline batteries (6x1,5V "D" type).
4. Battery holder.
5. External control module: keyboard and RFID reader or only RFID reader without keyboard. It embeds the *Bluetooth radio module*.
6. *Master Card Set*.



Output relay cannot be used in this configuration since it requires a DC power supply by cable gland spring.

## B. DC power supply via cable gland spring plus alkaline batteries as back-up

Power is supplied by an external feeder connected to the mains. Power cable reach the lock through the cable gland spring usually placed in the hinges side of the door.



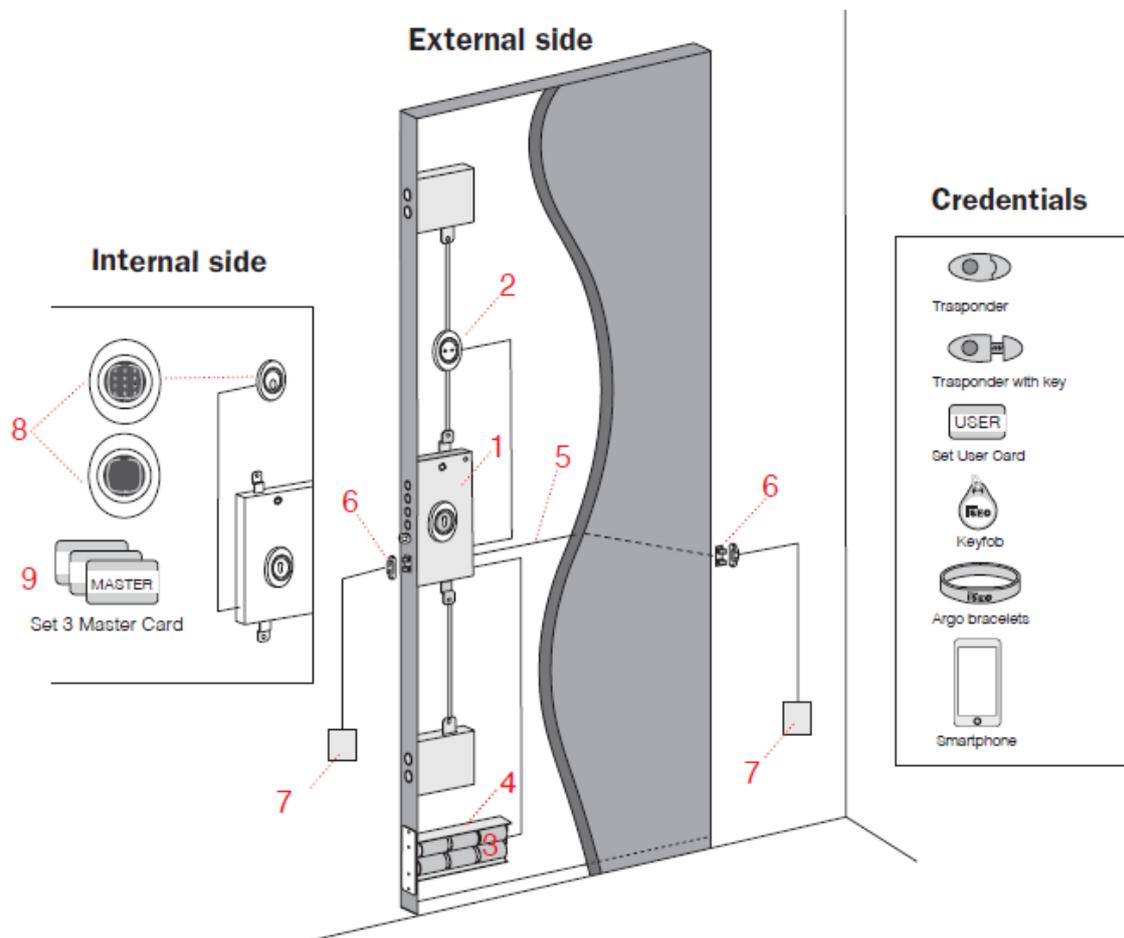
1. X1R Smart lock.
2. Two buttons internal control module (not necessary if *Single Action* version).
3. Alkaline batteries (6x1,5V "D" type).
4. Battery holder.
5. 8 Pins Multifunction cable.
6. Cable gland spring.
7. Power supply (8-30Vdc).
8. External control module: keyboard and RFID reader or only RFID reader without keyboard. It embeds the *Bluetooth radio module*.
9. *Master Card Set*.



In this configuration it is possible and recommended to use in addition the alkaline batteries, that will be used as back-up, in case of power supply failure due to electrical fault or power outage. In this case the batteries life span will probably be up to the batteries expiration date.

**C. DC power supply via door sensor contacts plus alkaline batteries.**

When the door is closed power supply is provided from the mains by the *door sensor contacts*. When the door is opened power supply is provided by alkaline batteries, which also act as a back-up in case of power failure.



1. X1R Smart lock.
2. Two buttons internal control module (not necessary if *Single Action* version).
3. Alkaline batteries (6x1,5V “D” type).
4. Battery holder.
5. 8 Pins Multifunction cable.
6. Door sensor contact: it can be installed in the door lock side or hinges side.
7. Power supply (8-30Vdc).
8. External control module: keyboard and RFID reader or only RFID reader without keyboard. It embeds the *Bluetooth radio module*.
9. *Master Card Set*.



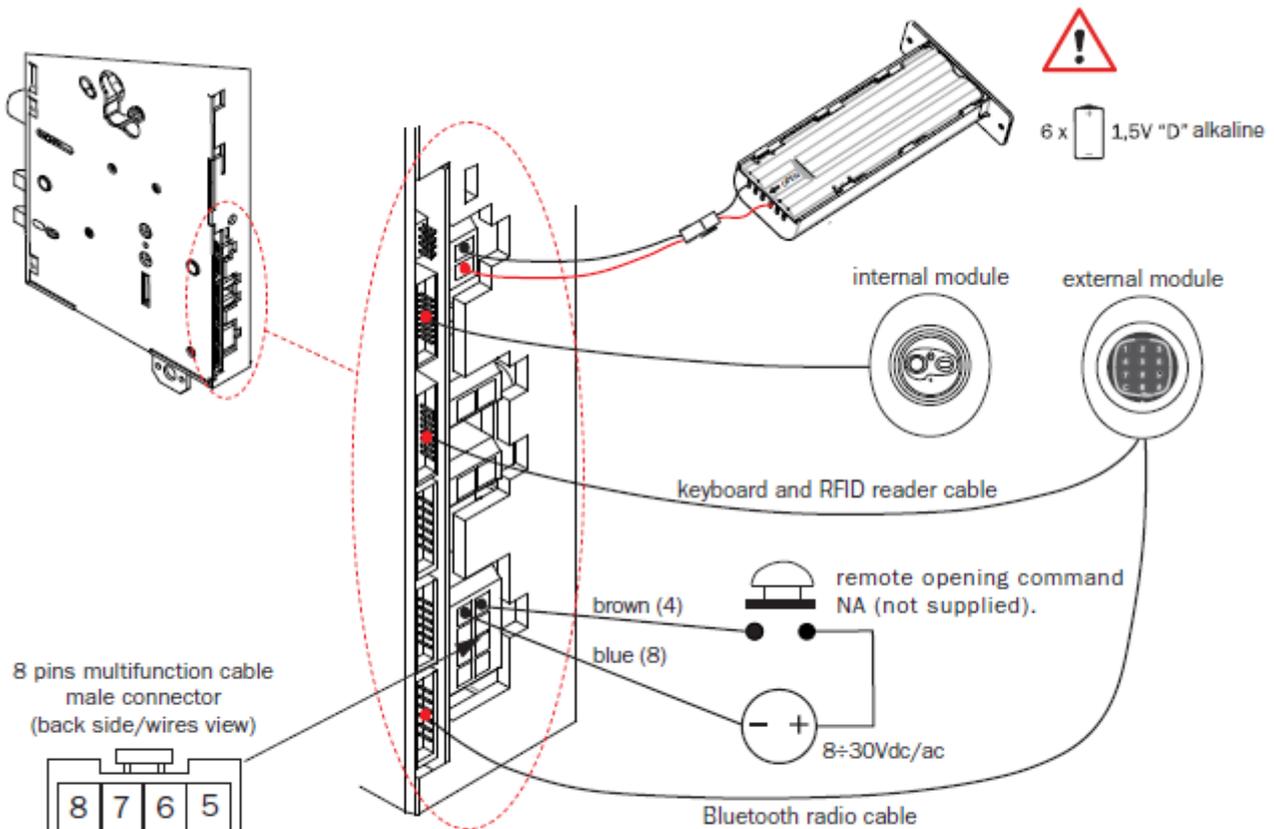
In this configuration output *relay* cannot be used since it requires DC power supply by *cable gland spring*.



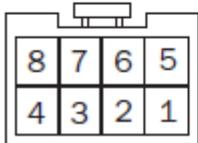
In this configuration it is also possible to install the door contact sensor (6) in the hinges side of the door.

The higher current request occurs during door opening and closing, when the *door sensor contact* touches the door frame. For this reason the batteries life span will probably be up to the batteries expiration date.

## Electrical connections



8 pins multifunction cable male connector (back side/wires view)



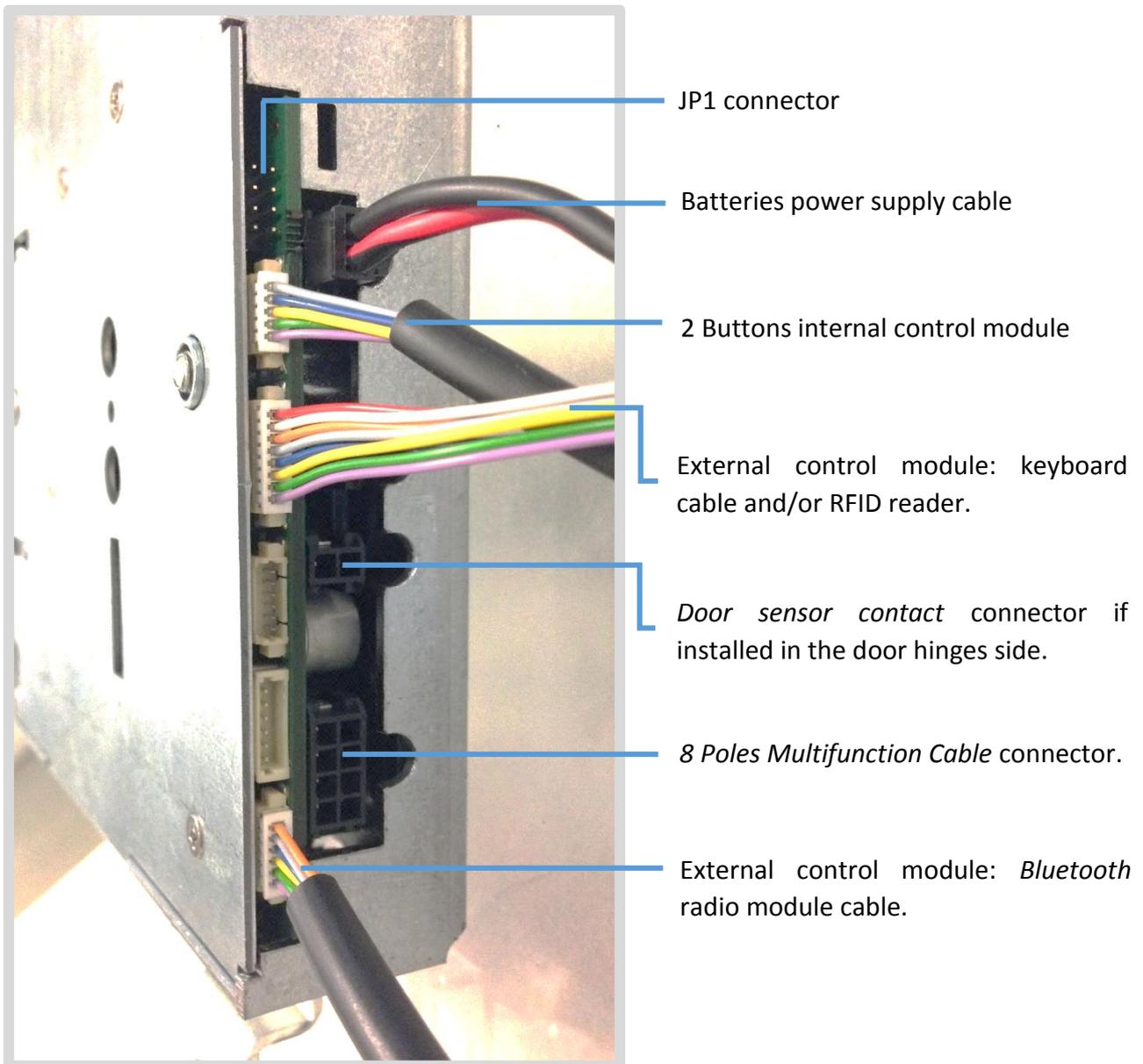
	Color	Description
1	Green	Relay common contact*
2	Orange	Relay normally open contact*
3	Black	- Negative power supply
4	Brown	Opening command 8÷30Vdc/ac
5	Yellow	Relay normally closed contact*
6	White	Not used
7	Red	+ Positive power supply 8÷30Vdc/30W MAX
8	Blue	Opening command 8÷30Vdc/ac

\* Relay: 30Vdc - 1A / 125Vac - 0,3A MAX



The *Relay normally closed contact*, is intended with door closed and safe (bolts extended).

See below a real picture of the lock, with the electrical connections in the standard configuration and connectors' description.

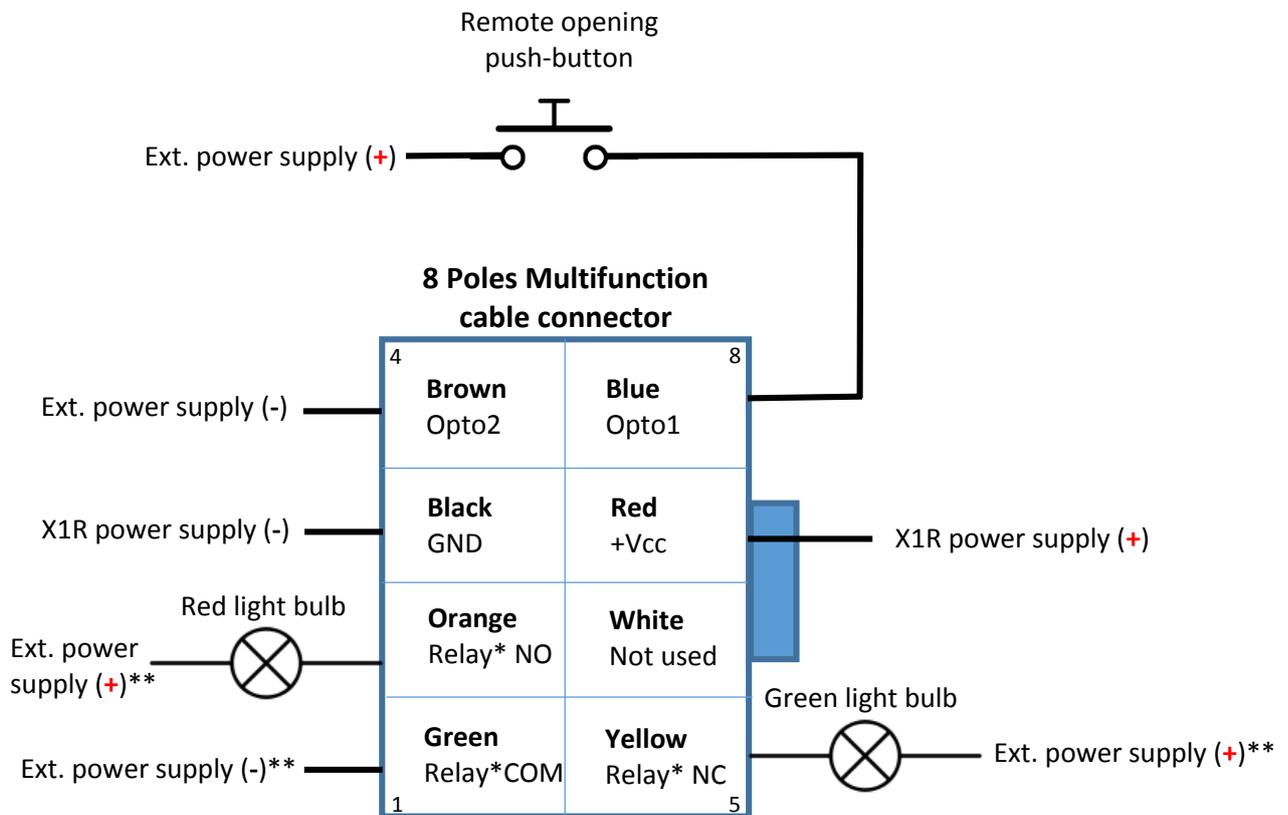


Connectors without description are not currently used.

## Example of 8 poles Multifunction Cable wiring scheme

See below a connection example related to the following specifications:

- External power supply by cable gland spring.
- Relay outputs connected to 2 lights, green and red, to show the door status:
  - NC output connected to green light (door closed and safe);
  - NO output connected to red light (door opened or tampering).
- Optoisolated input connected to a remote opening button.



\* Relay contact type (resistive): 30Vdc, 1A / 125Vac, 0,3A

\*\* Remote opening command power supply: 8-30Vdc/ac. Light bulb power supply: refer to its technical data.



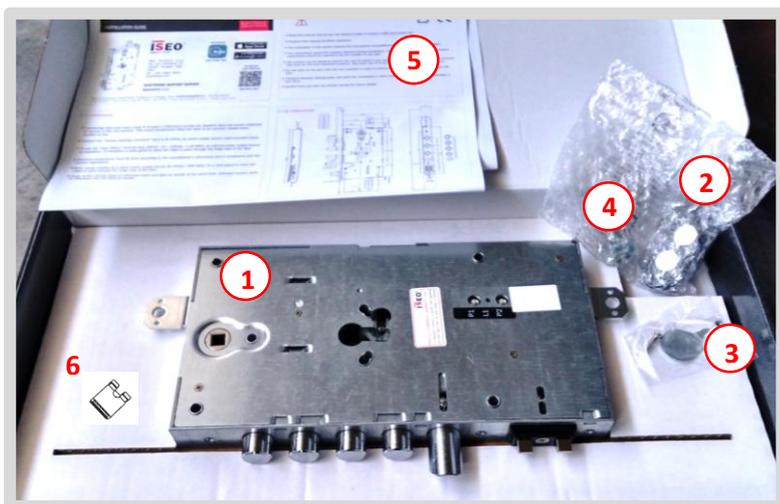
The first batch of 8 poles Multifunction cables had the next wires colors different:  
*Opto1 = Yellow / Opto2 = Green*  
*Relay COM = Blue / Relay NC = Brown*

# Getting Started

## Package contents

The product box contains the following items:

1. X1R Smart electronic motorized lock
2. Door contact sensor
3. Plug for handle follower hole (to be used only for *Single Action* version)
4. Cylinder fixing screws kit (2 different screws)
5. Installation guide (IT/UK)



6. Jumper to use the lock as actuator (for more information go to paragraph *X1R Smart as actuator*).

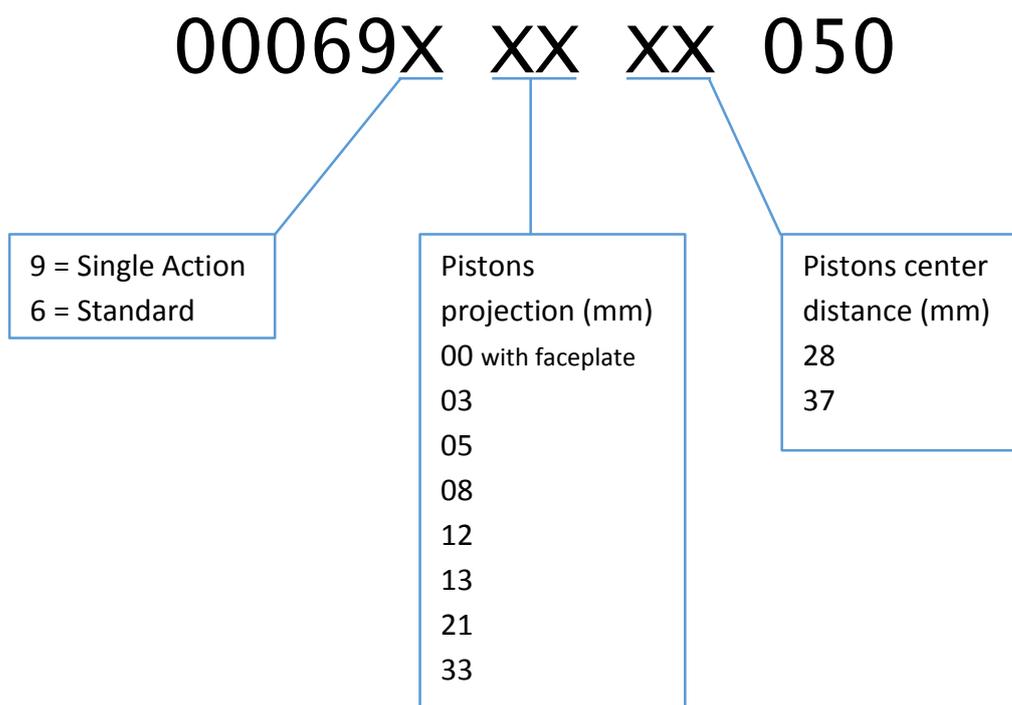
## Product identification

Product is identified by a label, in double copy, attached to the box and to the lock case, reporting all the information about product production and traceability.



## Product codification

Product code is composed as follows:



## Installing X1R Smart



For this operation refers to the *Installation Guide* included in the product box and available at link:

<http://gamma.iseozero1.com/en/serrature-elettroniche/>

## First switch on

When you switch on *X1R Smart* the first time, the device automatically update, if necessary, connected devices: external and internal control modules and the *Bluetooth* radio module.



This operation, that **keeps about 50 seconds**, is indicated to the user by the orange led, in the external module, continuously flashing.



**Do not switch off *X1R Smart*** during this operation and do not press any button or disconnect any cable, in order to avoid device malfunctions.

## Device Initialization

The new device is in *Factory mode* configuration, meaning with the list of authorized user empty and no system code yet assigned. In this configuration it can be opened by any *Mifare* card or Tag or, if keyboard is present, by any code, with a minimum of 4 and a maximum of 8 digits code, confirmed by number sign “#”.



In *Factory mode* the orange light, in the external control module, flashes 2 time, before the standard opening and closing signal, delaying those operations indeed, to show the device not initialized.

The system initialization take place through the programming of the *System Code*, using the *Master Card 1*.



1. Bring *MASTER Card 1* closer to the device.

2. The device emits 4 acoustic signals together with 3 orange light signals.



For the system's initialization, use exclusively *Master card 1*, and put cards 2 and 3 in a safe place. The use of *Master cards 2* and 3 will be required only if *Master Card 1* is lost or damaged.

All *X1R Smart* belonging to the same plant must be initialized or updated with the same *Master Card*.



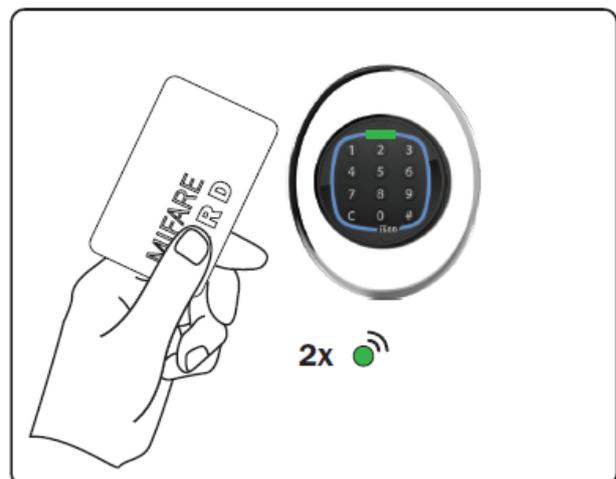
To know more about *Master Card*, read the *Argo User Manual* available at link: <https://app.iseo.com>

## Add credentials without Argo App

You can add credentials, such as *Mifare* cards or tags, using the *Master Card* and the *RFID reader* placed in the external control module.



1. Present the *Master Card 1* to the device to enter in *Programming Mode*.
2. The device emits 3 acoustic signals together with 2 green light signals.



3. Read the *Cards* to add to the *User List*.
4. For each memorized *Card* the device emits 2 acoustic signals together with 2 green light signals, to confirm the operation.



5. At the end of the operation present again the *Master Cards 1* to the device to go out from the *Programming Mode*.



The device goes automatically out of *Programming Mode* after 3 min. of inactivity.

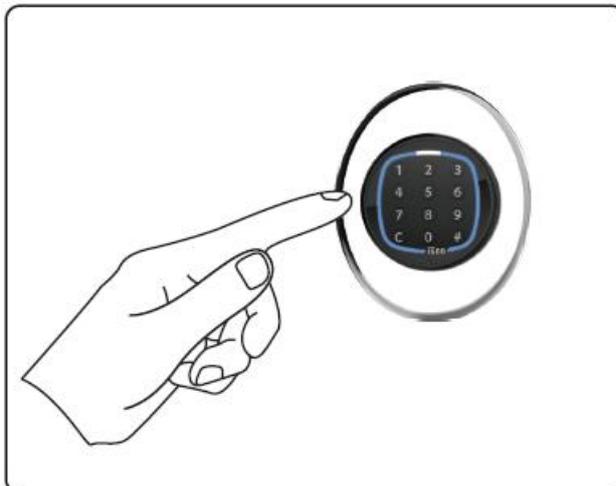
## Add a PIN code without Argo app

You can add one or more codes to open, using the *Master Card* and the external keyboard.



1. Present the *Master Card 1* to the device to enter in *Programming Mode*.

2. The device emits 3 acoustic signals together with 2 green light signals.



3. Enter your PIN code, from 4 to 14 characters, and confirm by # key.

4. For each memorized code the device emits 2 acoustic signals together with 2 green light signals, to confirm the operation.



5. At the end of the operation present again the *Master Card 1* to the device to go out the *Programming Mode*.



The *PIN code* must be minimum 4 characters to a maximum of 14 characters.

The device goes automatically out of *Programming Mode* after 3 min. of inactivity.

## Adding credential by Argo app

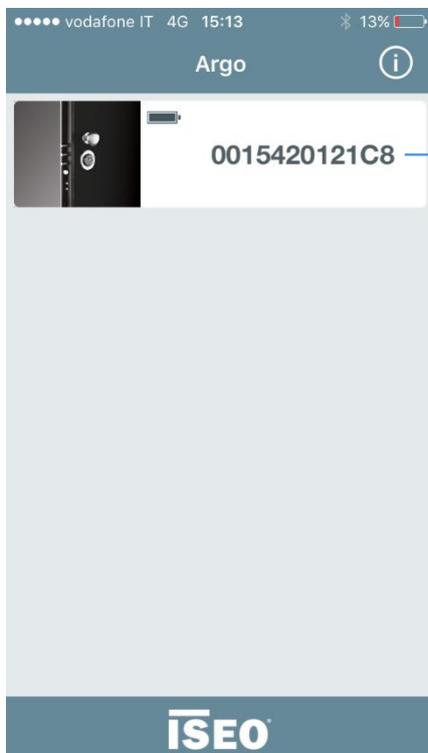


You can add credential such as phones, PIN codes, *Mifare* cards or tags, simply using your smartphone and the *Argo app*, by the *Bluetooth 4.0* technology.

1. Download the free *Argo ISEO* application from the *APP Store* (iOS) or *Google Play* (Android).

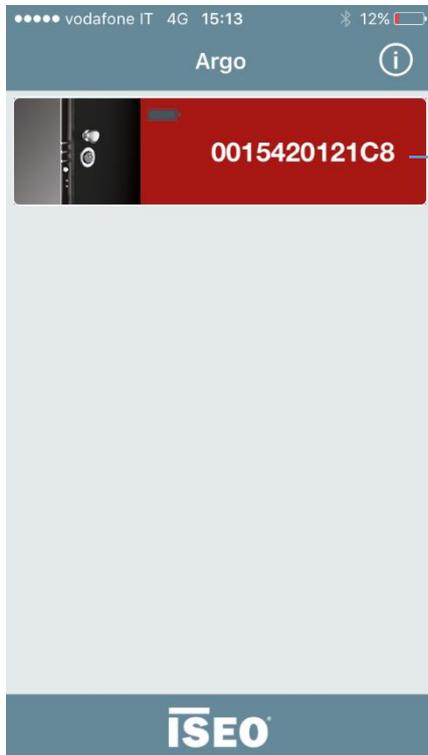


2. Enable *Bluetooth* communication on your smartphone.
3. Open the *Argo* app. You will see in the smartphone display, into a ray of 10mt, the *X1R Smart* icon/button, identified by its serial number.



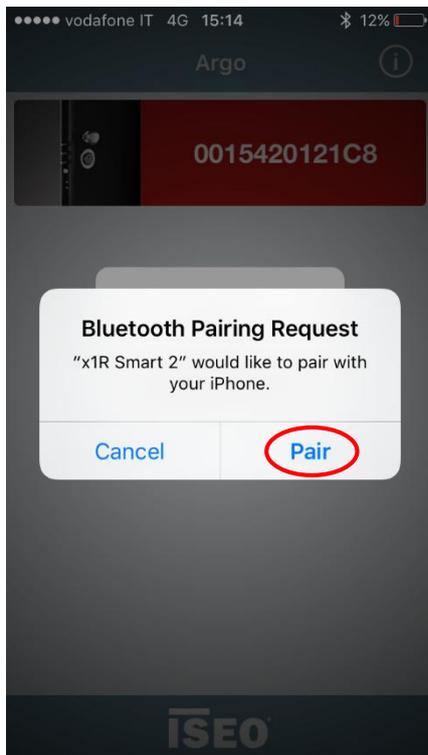
— X1R Smart serial number

4. Present the *Master Card 1* to the reader to enter *Programming Mode*.



The icon in the app become red. Press it.

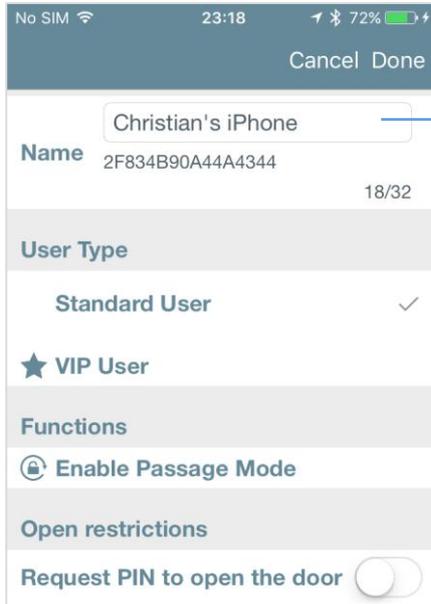
5. Confirm the *Bluetooth pairing request* on your smartphone.



**Bluetooth pairing is not more necessary** starting from software version *MH0YX133*, included into *Argo 2.1*.

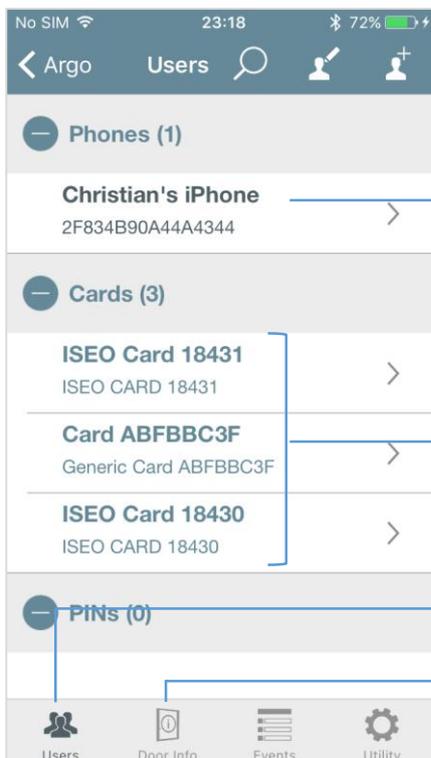
To know more about pairing and *in-app pairing* technology, read the *Argo User Manual* available at: <https://app.iseo.com>

6. Add your smartphone as credential to open.



1. Change the name of your phone.
2. Tap **Done** to memorize your phone as opening Credential.

7. You can simply add users presenting the *Mifare* cards or tag to the reader, and those ones are displayed into the *User List* on your smartphone. The last memorized credential is displayed on the top of the list.



Added phone

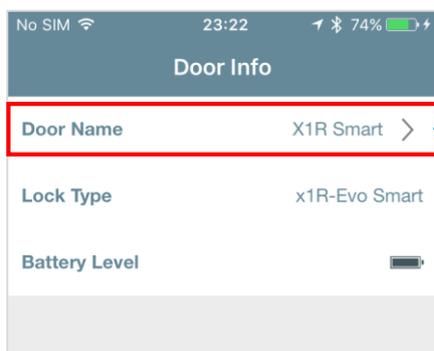
Added Mifare and ISEO cards or tag

Users menu

Door Info menu



8. Press **Door Info** and then **Door Name**, to change the device serial number into a real door name.



Tap to change the door name

9. Go back to *Users menu* and then tap **< Argo** on the top left corner, to go out *Programming Mode*.
10. Press the *X1R Smart* icon button to open by your phone. Alternatively, read the cards or tags previously memorized.



Press the icon button to open the door

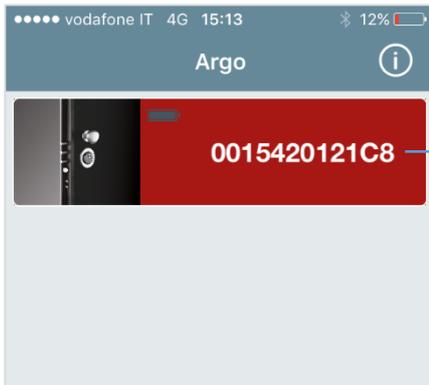


Per maggiori e dettagliate informazioni sull'utilizzo dell'app *Argo*, leggi il *Manuale Utente Argo* disponibile al link: <https://app.iseo.com>

## Adding a PIN code by Argo app

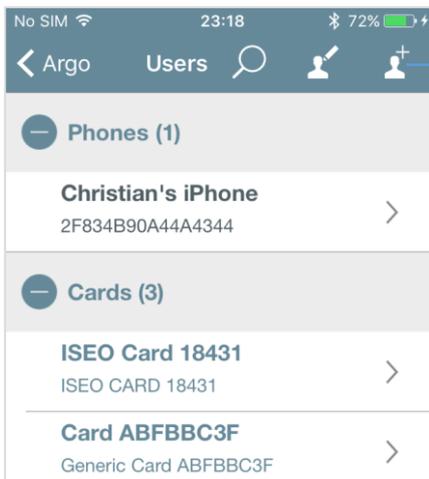


You can memorize one or more PIN code to open, by using the Argo app and the external numeric keypad.

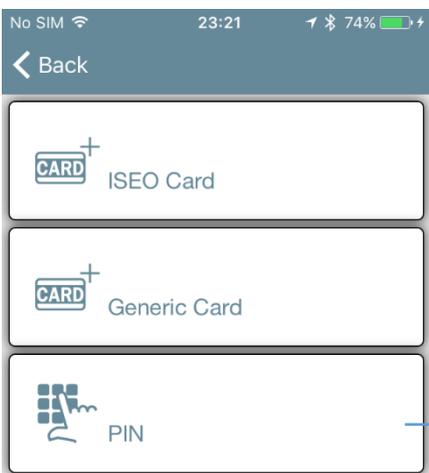


1. Present *Master Card 1* to the reader to enter *Programming Mode*.

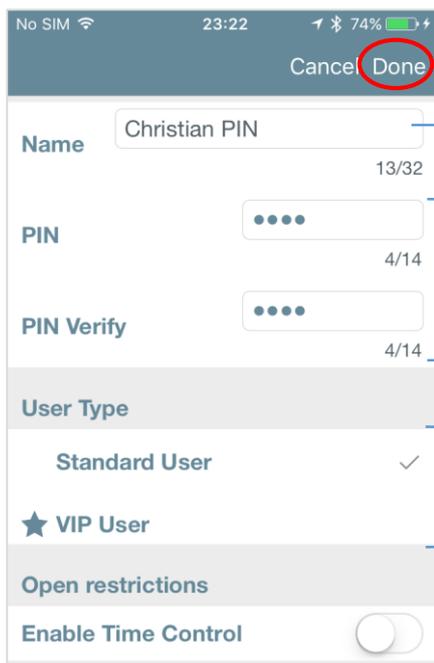
The icon in the app become red. Press it.



2. In the Use menu touch the *add user* icon



3. Touch **PIN** button

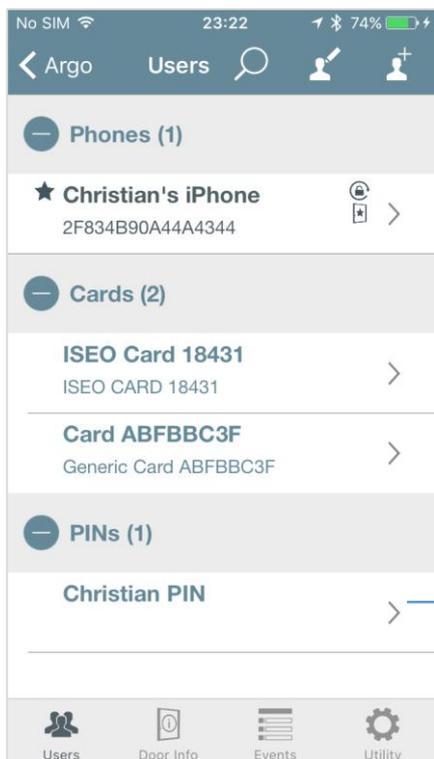


4. Write a name related to the PIN code.

5. Touch the PIN field and write the secret PIN code by the phone pop-up keyboard. Confirm the code in the *PIN Verify* field.

6. Select if VIP user. In other words a user that can access with *Block Standard User* function enabled.

7. Touch **Done** to confirm the operation.



The *PIN code* appears in the *User list*, in the PIN list, with the assigned name.



For security reasons, the PIN code is never visible, neither in the *Users list*, nor in the historical *Events*, nor in the *Dump Information*.

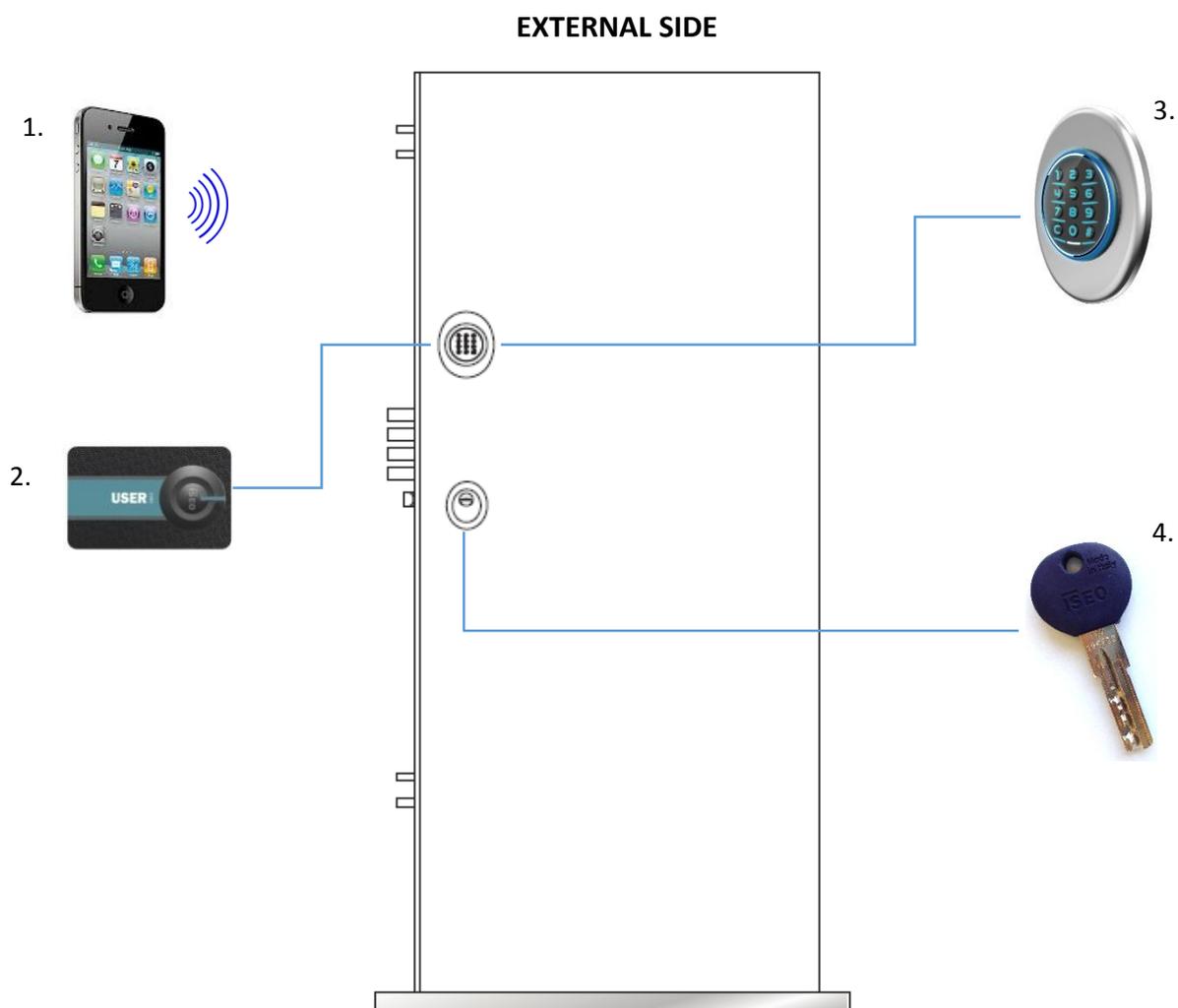
To know more about *VIP* and *Block Standard User* function and *Dump Information*, refer to *Argo User Manual*, available at link: <https://app.iseo.com>

# Basics

## How to use X1R Smart

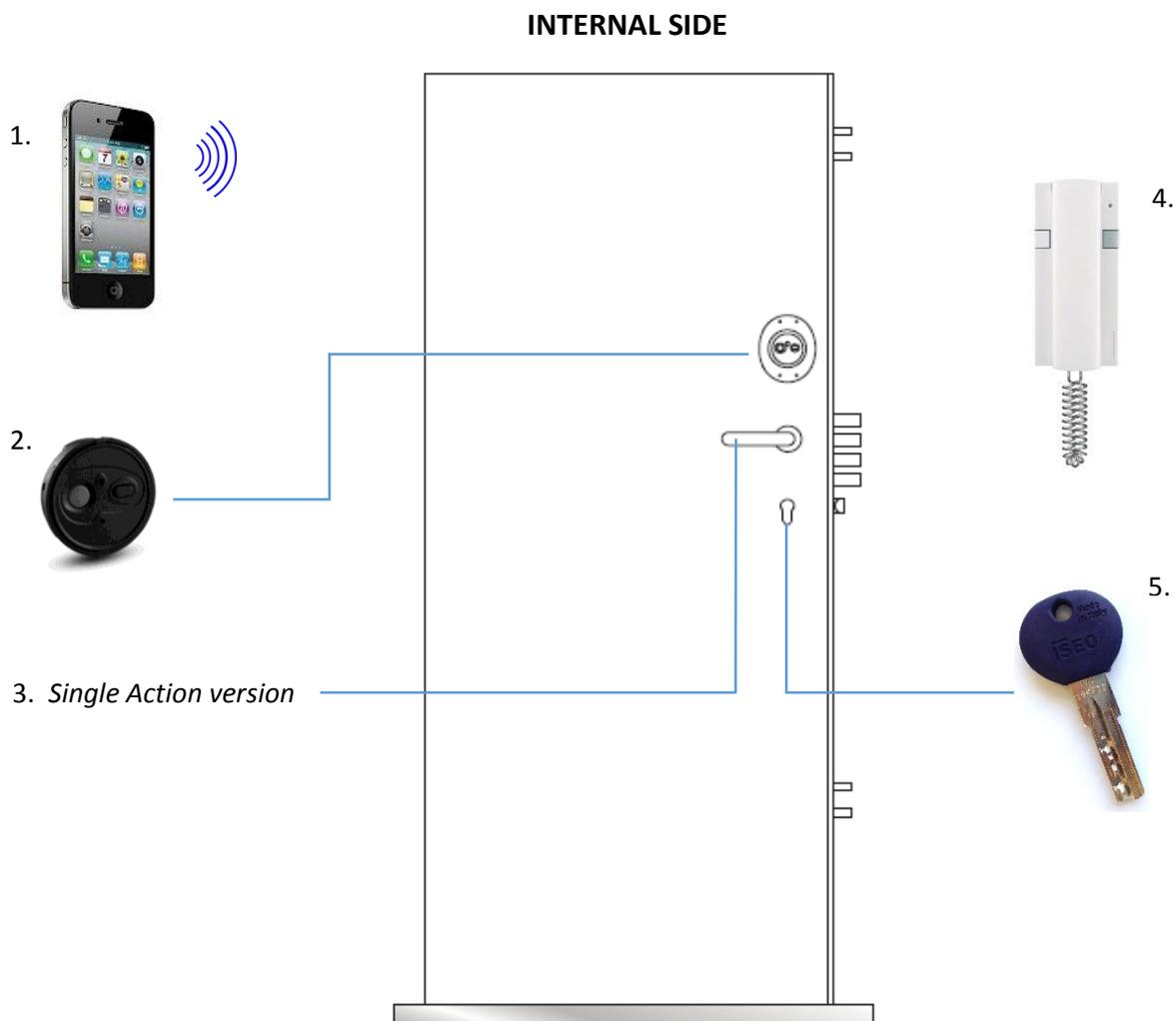
From the *external door side*, in the standard configuration, you can open the door in the next ways:

1. Using your smartphone and the *Argo* app.
2. Using an authorized *ISEO* or *Mifare* card/tag, reading it by means of the external control module (with keyboard or RFID reader only).
3. Using a PIN code, previously stored in the *User list*, by means of the external keyboard.
4. Using the mechanical key.



Form the *internal door side* instead, to open the door, you can:

1. Use your smartphone, by means of the *Argo* app.
2. Press the green key of the internal control module, if present.
3. Open by the internal handle, if *Single Action* version.
4. Use a remote opening command, for example the intercom button, taking advantage of the *optoisolated* input.
5. Use the mechanical key.

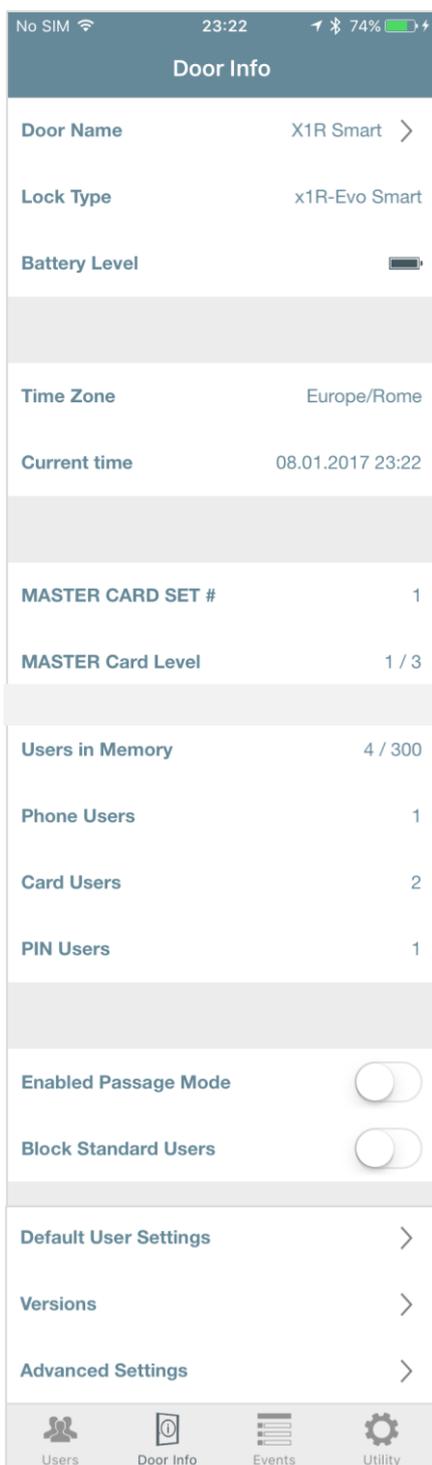


In case of electronic or power supply issues, *X1R Smart* can always be opened, from the internal and the external side, by the mechanical key.

## Door Info menu



Open the *Argo* app and then present the *Master Card* to the reader, to enter *Programming Mode*. Then press **Door Info** icon in the bottom bar. In this menu, you can change the door name as previously seen, and you can see some more information about *X1R Smart*.



It shows the battery charge status or a lightning icon, in case of external power supply.

Lock date, time and timezone set. Those data are stored from the phone when enter *Programming Mode*.

*Master Card set and Master Card level* in use.

It shows the total number of users stored as phone, card/tag or PIN. Up to a maximum of 300 users can be stored.

Indicates if the related function is enabled or not.

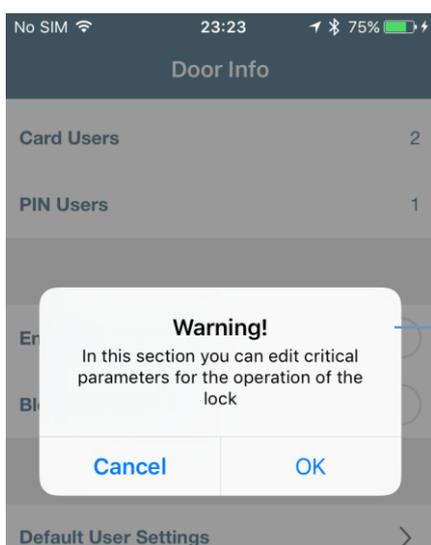
See *Advanced Function* chapter.

# Advanced

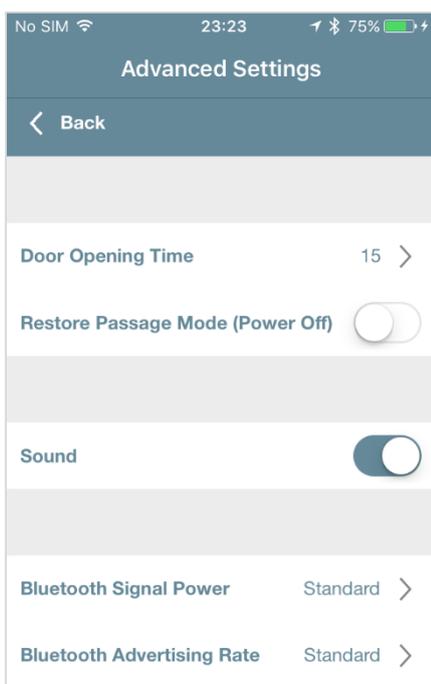
## Advanced settings menu



Inside the *Door Info* menu, tap *Advanced Settings*. You will see the following editable parameters.



A pop-up warns you that you can modify important parameters of the lock, and a confirmation is required to continue and to save the data.



It is the time that allows user to open the door following an opening command. If the door is not opened during this time, it will automatically lock.

If this function is enabled, a lock already set in *Passage Mode*, following a power OFF, will restore automatically the *Passage Mode* function when ON again.

You can disable or enable all *X1R Smart* sounds. When off the lock will not emit any sound.

For information, refer to the *Argo User Manual* at link: <https://app.iseo.com>

**Mode** Mode 1 > It allows you to select a different functioning mode. To know more about this function go to *Functional Mode* paragraph.

**Door Close Delay Time** 1 > It is the elapsing time between the door closing and the bolts locking.

**Relay Pulse Time (millisec)** 0 >

**Internal Open Button**  It allows you to differently configure the internal relay behavior. To know more about this function go to *Door status relay* paragraph.

**Internal Close Button**

**Remote Opening Command**  It allows you to enable or disable the internal control module opening and closing buttons and the remote opening command, if present.

**Reset** > You can choose if restore the default doorlock settings or make a total reset of the lock as received from the factory.

## Reset

In this menu you can find 2 different and powerful kinds of reset:

- **Restore Default Doorlock Settings.**
- **Reset Doorlock to Factory Mode.**

**Restore Default Doorlock Settings** Restore Tap this button to **restore all the device settings** to the default ones. All the editable parameters, like for example *Default User Settings, Door Opening Time, Sound, Bluetooth parameters*, etc...Will change back to the default values, originally set in the *Argo app*.

**Reset Doorlock to Factory Mode** Reset Tap this button to **complete reset your doorlock**. This function is useful for example, when you need to send back the device for repair and you need to remove the *Master Card* plant code from it. A warning pop-up will advise you that it will cause the removal of the *Master Card* and the cancellation of the entire user list. All device parameters will come back to *Factory mode*.

## Versions



Versions menu shows the serial numbers and the software versions of all the electronic boards composing *X1R Smart*.

Versions	
MAIN UID	2493440255C61F84
Main Board Serial Number	001542000003
Main Board Hardware Ver	VMNFS20
Main Board Loader Ver	MH0ZJ001
Main Board SW version	MH0YX132
Bluetooth Hardware Version	VMN400
Bluetooth Software Version	MH0Y2037
External plate Serial Number	0015420152A8
External plate Hardware Ver	VMNFS26A
External plate Loader Ver	MH0ZK001
External plate Software Ver	MH10M003
Internal plate Serial Number	001542012EB
Internal plate Hardware Ver	VMNFS21
Internal plate Loader Ver	MH0ZL001
Internal plate Software Ver	MH0Z0001

Main electronic board *Serial number*.

*X1R Smart* main board software. This is the most important software version, upgradeable via *Argo* app.

*Bluetooth* radio module software version.

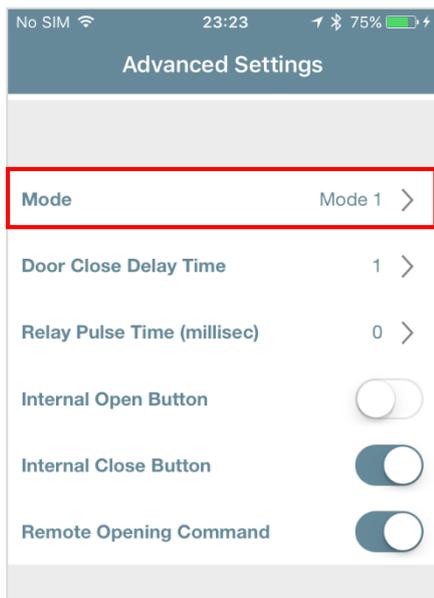
External control module software version.

Internal control module software version.

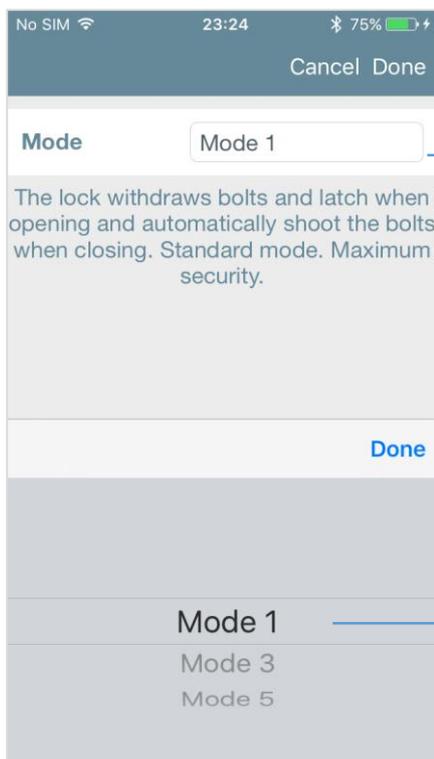
## Functional Modes



X1R Smart can be configured in 5 different *Functional Modes*, that can be activated or deactivated by the *Argo* app. The standard factory configuration is *Mode 1*. In this mode the lock will automatically shoot the bolts at every closing (maximum security).



Inside *Door Info* menu, touch *Advanced Settings* and then *Mode*.



Choose the desired mode sliding the bottom menu and confirming by **Done**. For each *Mode* appears a brief description explaining the meaning.

Below a complete description of the 5 *Functional Modes*.

Mode	Description
1	The lock withdraws bolts and latch when opening and automatically shoot the bolts when closing. Standard mode. Maximum security.
2	The lock withdraws only the bolts when opening and automatically shoot the bolts when closing. An external handle is required to manually withdraw the latch and fully open the door.
3	The lock withdraws bolts and latch when opening but will not automatically shoot the bolts when closing. Another command is required to manually shoot the bolts (by phone, card/tag, PIN, internal keypad), or by mechanical key.
4	The lock withdraws only the bolts when opening but will not automatically shoot the bolts when closing. An external handle is required to manually withdraw the latch and an electronic command is required to manually shoot the bolts.
5	The lock withdraws only the latch when opening and will not automatically shoot the bolts when closing. The bolts can only be moved using the mechanical key. When bolts are manually shot by key no other electronic command will be accepted to open.

## Door status relay

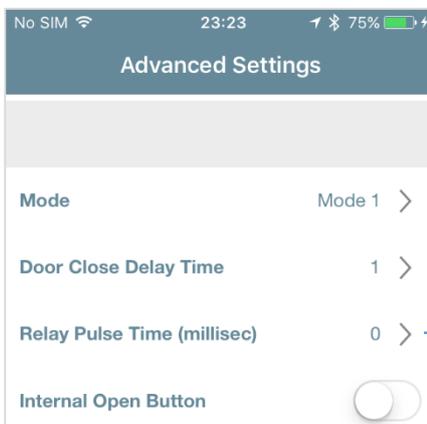


The output relay, embedded into the *X1R Smart* electronic board, allows you to get as standard output the *Door status*: open or closed. When the door is closed and safe, the relay is not active. When the door opens the relay become active, changing its internal state: the normally closed contact (NC), opens, while the normally open (NO), closes. This state can be used for example into an home automation system, to switch on the lights when the door opens, or to switch on an alarm system when door closes.

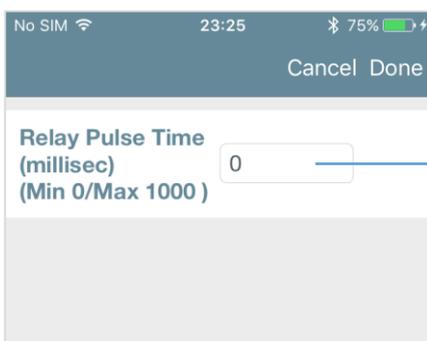


The relay signal, when opening, changes state at the first bolts movement, whether they are driven by electronic command, internal handle or mechanical key. This is for safety reasons, in order to activate an alarm, if present, in case of tampering. When closing instead, the relay changes state when the door is safe, that means with latch and bolts fully extended.

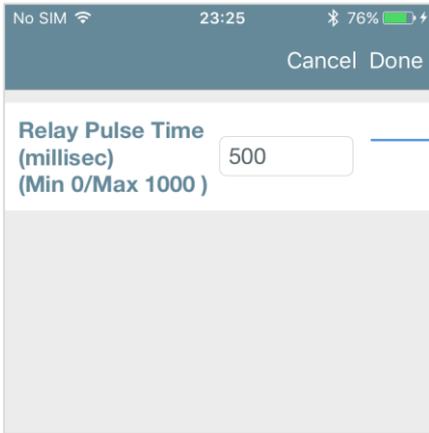
The relay behavior can be changed from *Door status* to *single pulse*, by the *Argo* app.



In the *Door Info* menu, touch *Advanced Settings* and then *Relay Pulse Time*.



If the value is 0, the output relay provides the *Door status*: door opening or door closed and safe.



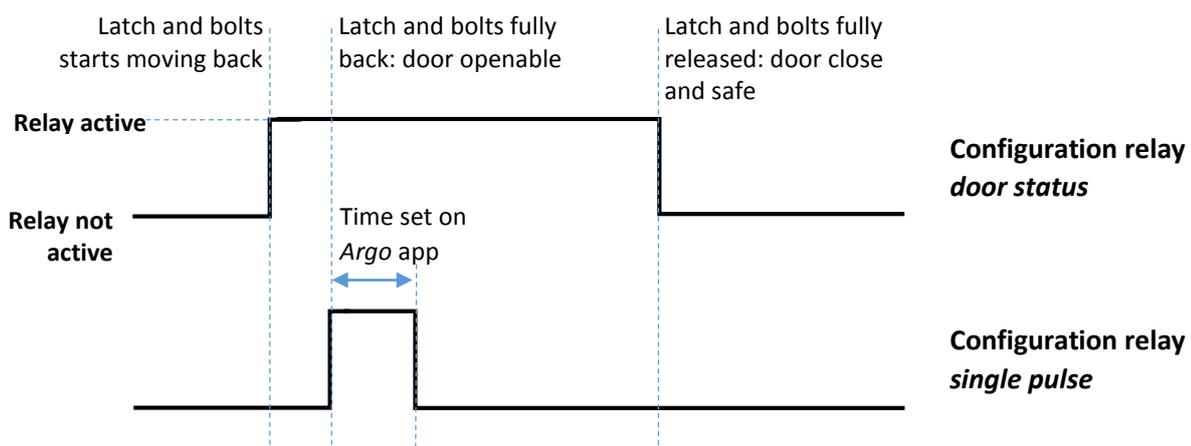
If the value is not 0, the output relay provides, when opening, a *single pulse* with duration equal to the value set in milliseconds. The maximum programmable value is 1000msec (1sec.).

This solution is suitable for example, to drive an automatic swing door operator. In this case, in fact, it is necessary to send a *single pulse* to start the swing door operator. And this pulse has to be sent only after *X1RSmart* has completely withdrawn bolts and latch, so that the door is fully “free” to be automatically opened.



The relay “change of state” that generates the *single pulse*, occurs only after bolts and latch are completely withdrawn. This to be certain that door is fully “free” to be open when the swing door operator starts.

Below you can find two diagrams that summarize the relay functioning on both configuration:



For the relay technical data go to paragraph: *Technical Data*.

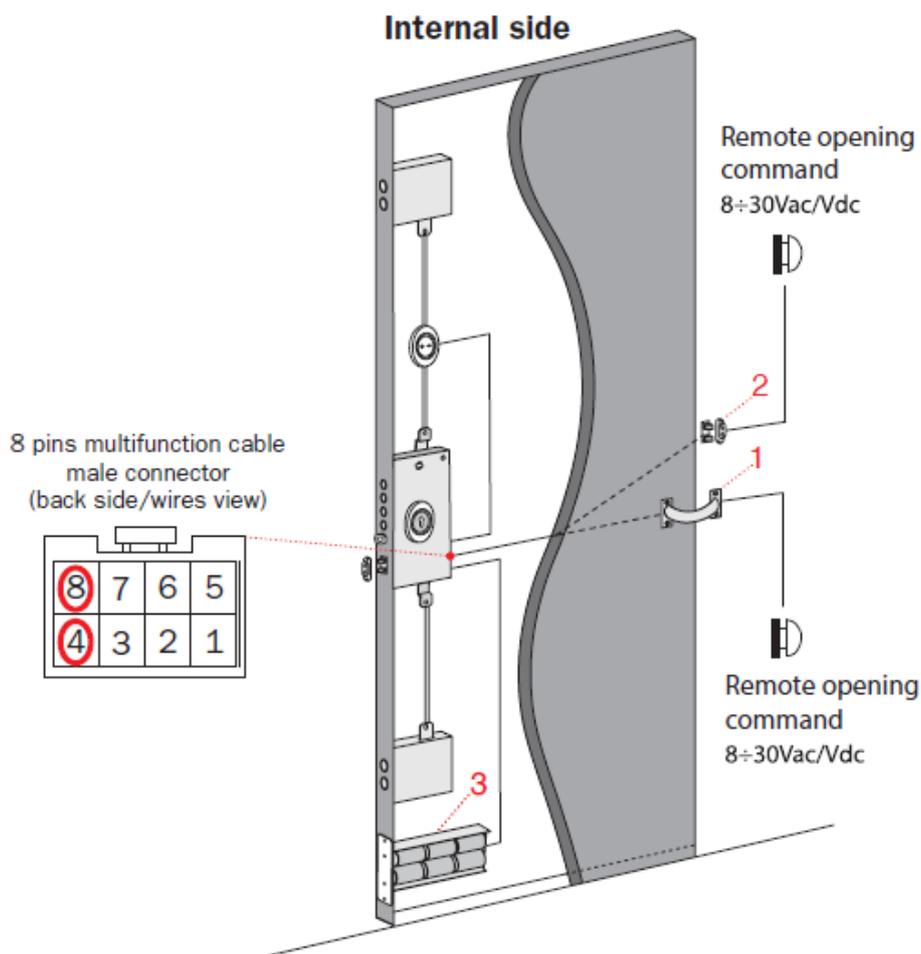
To get an example of relay connection wiring diagram, go to paragraph: *Example of 8 Pins Multifunction Cable wiring scheme*.

## Remote opening command

The *X1RSmart* electronic motorized lock, even provides an *optoisolated input* embedded into the electronic board. This input allows to connect a *remote opening command*, that can be, for example, the intercom button or a push button located in the reception or concierge table. This command can also be sent by an external control unit, belonging to an home automation system, alarm system or centralized opening system.

The *remote opening command* is connected to the *optoisolated input*, into the *8 Poles Multifunction Cable* connector, pin 4 and 8 (see paragraph *Electrical Connection*), and can be done:

1. By *cable gland spring*: using a 2 wires dedicated cable into 8 poles connector.
2. By an additional *door contact sensor*: using a 4 wires dedicated cable, of which it will use only 2, into 8 poles connector.





The *remote opening command* must be always powered (8-30Vdc/ac).



The remote opening is recorded into the events log.

To get an example of the *remote opening command* wiring diagram, go to paragraph: *Electrical connection and Example of 8 Pins Multifunction Cable wiring scheme*.

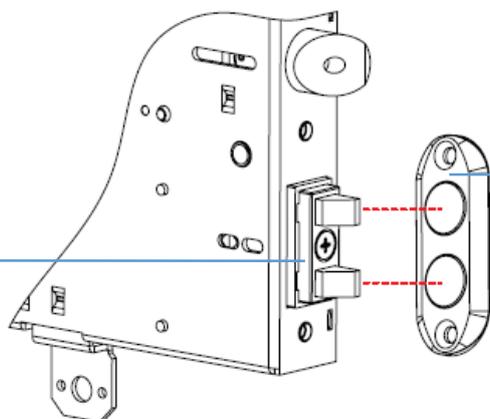


Keeping pressed the *remote opening button*, the lock opens and keeps the latch back. After 7 sec. the *Argo* app will show the *Passage Mode* status (door always open).

## Door contact sensor

The *door contact sensor* allows *X1R Smart* to define if the door is open or ajar. It is an electronic device composed by 2 contacts and installed in the fixed door frame, in the lock side. When the door is ajar the 2 contacts touch other 2 contacts, with adjustable spring, located inside the *X1R Smart*, in order to indicate to the electronic of the lock that door is actually ajar.

*Door contact sensor (male)*, with adjustable spring contacts, installed into the lock.



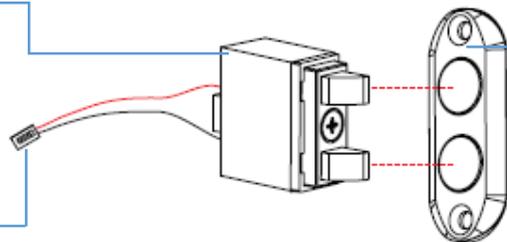
*Door contact sensor (female)*.

To be installed into the fixed door frame, in the lock side.

It is possible to install the *female door contact sensor* also in the hinge side of the door frame. To do that it is necessary to install, in the hinge side of the door, a *male door contact sensor*, with adjustable spring contacts. Then it is necessary to properly regulate those adjustable contacts, so that when the door is ajar, they touch the *female door sensor contact* at the right time.

*Male door sensor contact:* with adjustable spring contacts, installed in the hinge side of the door.

2 Poles connector. To be connected to *X1R Smart*.

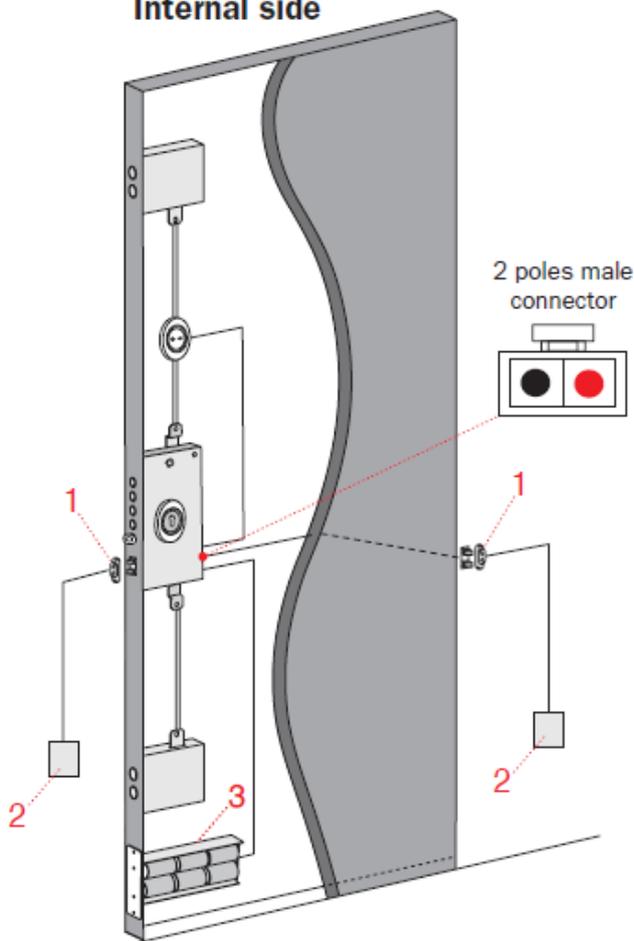


*Female door sensor contact.*

To be installed in the fixed door frame, in the hinge side.

This new sensor, provided with cable, has to be connected to a 2 pin dedicated connector, placed into the *X1R Smart* electronic board (see *Electrical connection* paragraph).

**Internal side**



**1.** *Female door contact sensor:* to get the door “ajar status”. It is possible to install it even in the door hinge side, connecting a *male door sensor contact* to the 2 poles connector, available in the lock.

**2.** Power supply (8-30Vdc). It is always possible to power the lock by the *female door contact sensor*, installed both on the lock side or on the hinge side door.

**3.** Alkaline batteries (6x1,5V type “D”). Mandatory in case of power supply by *door sensor contact*.

## Wiring specifications

In the next table you can find the wiring specifications in relation to the power supply voltage and the distance between power supply and lock.

Wiring	Lock and power supply maximum distance (mt)	Minimum power supply (Vdc)	Minimum wire gauge (mm <sup>2</sup> ) in relation to the power supply
<i>External power supply</i>	2mt	10	0,75
	5mt	12	0,75
	10mt	12	1
	20mt	12	1,5
<i>Remote opening command</i>	100mt	9	0,3
<i>Door status relay</i>	Wiring specifications depends on relay characteristics (see paragraph <i>Technical Data</i> ), and on the operating characteristics of the circuit or system controlled by the relay.		

## Events log messages

(Specific for X1RSmart)

Description	Meaning
Open with mechanical key	Lock opening by mechanical key.
Open with internal handle	Lock opening by internal handle.
Delayed open	Open delayed due to battery in status <i>very low</i> .
Lock bolts in half-way by key	Bolts have been withdrawn just one shot by mechanical key.
Lock bolts in half-way by handle	Bolts have been withdrawn just one shot by internal handle ( <i>Single Action</i> version).
Close with mechanical key	Lock has been closed, with bolts fully extended, by mechanical key.
Delayed close	Close delayed due to battery in status <i>very low</i> .
Lock close with motor extra-current error 	The lock try to close but there is an excess demand of current to the motor. It may happen, for example, when bolts have an excess of friction when enter its seat.
Lock close with sensor timeout error 	The lock try to close but it takes too long and goes in time-out error. It may happen, for example, if motors turns "free", without engaging the internal mechanical parts.
Lock open with motor extra-current error 	The lock try to open but there is an excess demand of current to the motor. It may happen, for example, when bolts have an excess of friction when leave its seat.
Lock open with sensor timeout error 	The lock try to open but it takes too long and goes in time-out error. It may happen, for example, if motors turns "free", without engaging the internal mechanical parts.
Door open	The lock has been opened by any credential (phone, card, tag or PIN), or by an external command (internal control module or remote opening command).
Door close	The lock automatically close with door ajar ( <i>Func. Mode 1</i> ), or by an electronic command ( <i>Func. Mode 3 or 4</i> ).
Power ON reset	The lock has been switched OFF and ON disconnecting batteries and external power supply if present.
Phone not paired (Only with sw ver. <= MH0YX021)	The phone cannot open the lock since <i>Bluetooth</i> pairing ha not been done ( <i>Connection error</i> on <i>Argo</i> app).



I messaggi di errore riportanti questa icona possono causare la mancata chiusura o apertura della serratura.



Per gli altri messaggi dello storico eventi relativi all'app *Argo* e comuni a tutti i dispositivi della serie *Smart*, consulta il paragrafo *Messaggi dello storico eventi* nel *Manuale Utente Argo* al link: <https://app.iseo.com>

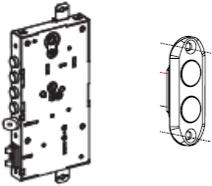
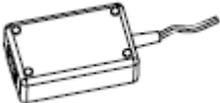
## X1R Smart as actuator

The *X1R Smart* electronic motorized lock, can be also used as a simple *actuator*. In other words as a device that act an opening or closing action, following an external control signal (*remote opening command*).

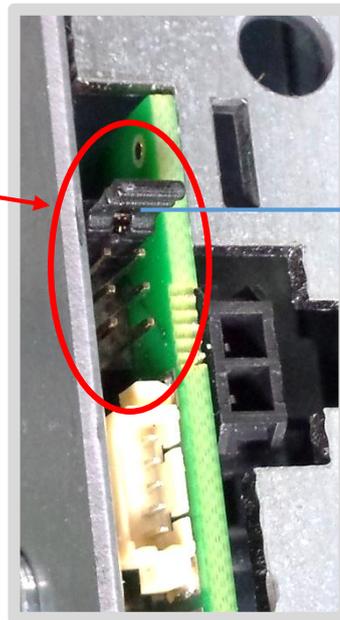
In this case the *X1R Smart* works without the *internal and external control module* (RFID reader, keyboard and *Bluetooth* radio) and it does not need to be initialized. Power supply can be from mains (by cable gland spring), only by batteries, or both solution at the same time (back-up batteries). As consequence, the next *system components* are not more used in this configuration:

- *External control module* with or without keyboard: it includes inside the *RFID reader* and the radio *Bluetooth* module.
- *Internal control module*.
- *Master card*.
- *RFID credential*: such as ISEO or *Mifare* cards, tags.
- The smartphone and as consequence the *Argo* app.

*X1R Smart* system components as actuator:

Components	Description	Features
	X1R electronic lock for security doors and door contacts sensor.	<ul style="list-style-type: none"> <li>▪ For application or insertion version</li> <li>▪ <i>Standard or Single Action</i> version</li> <li>▪ Door contacts supplied with the lock</li> </ul>
	Battery holder complete with power supply cable and set of batteries.	<ul style="list-style-type: none"> <li>▪ 6 x 1,5V Alkaline Batteries "D" Type</li> </ul>
	DC Power supply unit	<ul style="list-style-type: none"> <li>▪ Power supply unit 8-30Vdc, P = 30W</li> </ul>

To use the *X1R Smart* as actuator it is necessary to fit the *jumper*, available in the package, in the connector named *JP1*, as shown in the following picture.



To use the lock as *actuator*, fit the *jumper* in the first top position of *JP1* connector (pins 1 and 2)

This operation will avoid, when opening and closing, the delay and related signal due to device not initialized (see paragraph *device initialization*). Moreover, the *jumper* disable the *Bluetooth* radio module search that would cause a 20 seconds delay at every lock switch on.



The not initialized device, without *JP1 jumper*, emits 2 acoustic signal together with 2 orange signal, before each opening and closing operation.

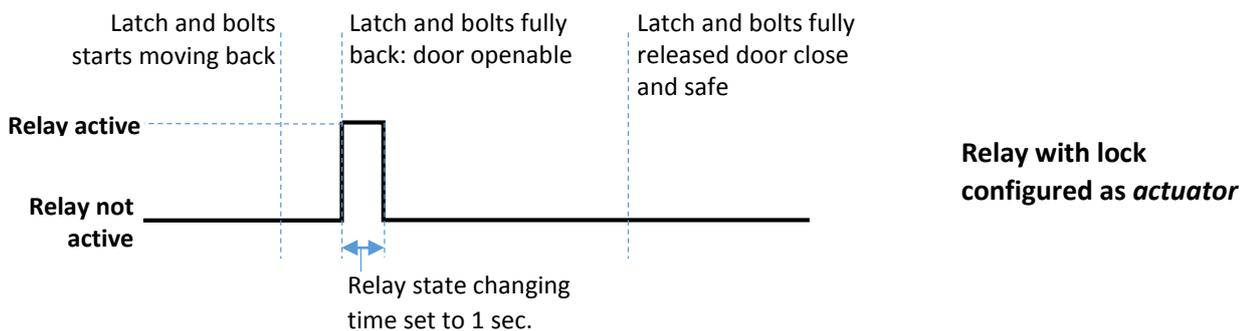


After inserting or removing the *jumper*, switch off and on the lock to make the changes effective.

When the *X1R Smart* is configured as *actuator*, it is not possible to interact with *Argo* app and your *smartphone*, loosing as a matter of fact, all functions related to *Argo*, including:

- The functional mode changing (go to paragraph *Functional Modes*);
- the free software upgrade;
- the events log reading.

Furthermore, the relay behavior described at paragraph *Door status relay*, is different. The relay *change of state* happens only during opening, when latch and bolts are fully back, as shown in the next diagram.



## More advanced function about Argo app

To know more advanced functions about *Argo* app, read the *Argo User Manual* available at:

<https://app.iseo.com>

You can find explained the next important functions:

- Battery levels
- Software upgrade
- Updating of Master Card level
- Master Cards set replacement and updating of system code.
- Operations summary without Argo app.
- Argo app error messages
- Lights and acoustic signals

...And much more.



# Maintenance

## Battery replacement

At every opening of *X1R Smart* by your smartphone, the button shows the battery level icon.



**Battery level icon:** there are 4 battery levels.

The battery level is also shown in the *Door Info* menu.

-  **Battery OK:** **green light** flashes on the device during opening time (standard opening signal).
-  **Battery Low:** warning message in the app and **orange light** flashes during opening time.
-  **Battery Very Low:** warning message in the app and **red light** flashes for 3 seconds before the opening signal (opening delayed).
-  **Battery Empty:** warning message in the app and **red light** illuminates for 3 seconds without opening.



At the first battery low signal, replace the battery as soon as possible.



To know more about battery levels, go to *Battery levels* paragraph on *Argo User Manual*, available at: <https://app.iseo.com>

To replace the batteries proceed as follows:

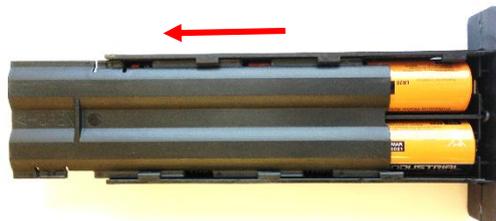


1. Find the battery pack position. This depends on door manufacturer. Usually it is installed in the front side of the door, up or down. In other cases, it can be placed in the top side of the door or even in the hinge side.

2. Remove the 2 cross screw that secure the battery pack.



3. Remove the battery pack disconnecting the 2 poles connector.



4. Remove the battery pack cover, gently pressing on it and sliding outwards at the same time.



5. Replace all batteries with the right model: 6x1,5V alkaline batteries "D" type.



Use only batteries of the right model and install it with correct polarity. Take care the battery holder is clean and does not present any oxide or acid signs. In this case carefully clean it by ethyl alcohol or replace it by a new spare part. Failure to do that you can compromise the lock functioning or damage the electronics boards.



Battery replacement does not affect the data stored in the *User list*.

## Notes on battery usage by X1R Smart

When *X1R Smart* is not powered only by batteries, but also by external power supply unit, by cable gland spring or door sensor contacts, the batteries level behavior changes depending on configuration type (see paragraph *Options and versions*). To know in advance when battery need to be replaced, in order to avoid malfunction issues due to low or expired batteries, read the next information related to the *3 main configurations*.

### A. Alkaline batteries powered

To know the battery charge, look at the *battery level* icon showed in the *Argo* app home screen, in the opening button. Alternatively check it in in the *Door Info* menu.

### B. DC power supply via cable gland spring plus alkaline batteries as back-up.

In this configuration batteries are seldom used: only in case of power failure from mains, usually due to electrical energy black-out or power supply fault or wiring damaged.

Batteries probably will last until their *expiration date* written on it. This date need to be written and remembered because it will probably be the replacing batteries date (indicatively 6-7 years).

To check the battery real charge proceed as follows:

1. Disconnect the external power supply cable from *X1R Smart*, so that it is only battery powered.
2. Open the lock by your smartphone.
3. Check the battery charge by *Argo* app: look in the opening icon button or in the *Door Info* menu.

### C. DC power supply via door sensor contacts plus alkaline batteries.

In this configuration batteries are used only when door is open. When door is closed, *X1R Smart* is always powered by *door sensor contact*. As consequence, the necessary energy to move the motor is provided from the electric mains. In fact the motor maximum current absorption, that take place during opening and closing, always happens when door is closed or ajar, so when the *door sensor contacts* are touching each other.

To check the battery real charge proceed as follows:

1. Disconnect the external power supply cable from *X1R Smart*, so that it is only battery powered.
2. Open the lock by your smartphone.
3. Check the battery charge by *Argo* app: look in the opening icon button or in the *Door Info* menu.

## Cleaning

- Clean the surface with a soft, damp cloth.
- Only disinfection agents, that are explicitly formulated for cleaning delicate metal surfaces and plastics, may be used. If unsuitable cleaning agents or methods are used, the faceplates and the internal and external control modules surfaces may be damaged or discolor.
- Do not spray water or other liquids directly on the device.
- Do not clean with chemicals such as alcohol, thinners, benzene, acidic or alkaline solvent cleaners, abrasive cleaners, or lubricants, as these may damage the device's finish and cause discoloration.

## Storage

- If *X1R Smart* will not be used for an extended period, remove the battery, and store the battery in a cool, dry area, taking care that terminals doesn't touch any conductive object or part.
- Store X1R Smart in a clean dry place at a room temperature between -25°C and +65°C and relative humidity between 20% and 95%, without condensing.
- To take care of the product at the best, use the original packing box.

# Troubleshooting

## Argo app error messages



For those information refer to the *Argo User Manual* available at:  
<https://app.iseo.com>

## X1R Smart troubleshooting

Issue	Possible cause	Possible solution
The X1R internal motor sounds like “free rotating”. Latch and bolts are not moving.	The motor cannot engage the internal lock mechanism. It tries 3 times then stop giving an acoustic and light signal error.  The events log reports “ <i>Lock open/close with sensor time-out error</i> ”	<ul style="list-style-type: none"> <li>▪ Check the cylinder cam is in right position (zero position)</li> <li>▪ Try to open by internal handle (if <i>Single Action</i>), or mechanical key, to try to unlock the motor.</li> <li>▪ Check cylinder is the correct model.</li> <li>▪ Check the correct lock installation, referring to the installation guide and in particular to the <i>Warnings</i> section</li> <li>▪ If the problem has not solved call the <i>IseoZero1 Technical Support</i>.</li> </ul>
X1R does not close or open: the motor sounds like strives doing the operation. After 3 attempts, the lock gives an acoustic and light signal error.	Bolts or latch cannot enter or exit from their seat. The lock tries 3 times then stop.  The events log reports “ <i>Lock open/close with motor extra-current error</i> ”.	<ul style="list-style-type: none"> <li>▪ Check if the door properly close and it is correctly aligned.</li> <li>▪ Check by key that bolts correctly enter into strike holes with enough play and space.</li> <li>▪ Check that lock, when door is open, correctly works by mechanical key and electronically by door sensor contact.</li> <li>▪ Check the connecting rods are not blocked and have a play of at least 1 millimeter. Try the lock with rods disconnected.</li> </ul>

Issue	Possible cause	Possible solution
<p>X1R does not respond to any command. Latch and bolts doesn't move. Control modules emits 7 acoustic signals together with 7 fast red blinking. <i>Opening denied</i> if opening by smartphone.</p>	<p>X1R can be in <i>Functional Mode 5</i> with bolts out.</p>	<ul style="list-style-type: none"> <li>▪ Check if <i>Functional Mode 5</i> is enabled. If yes withdrawn the bolts by mechanical key and try again by electronic command.</li> <li>▪ If the problem has not solved call the <i>IseoZero1 Technical Support</i>.</li> </ul>
<p>X1R when door is closed periodically emits 2 acoustic signal together with 2 red light signal (slow).</p>	<p>The latch is not fully inside its seat, because an excessive of friction or door not aligned.</p>	<ul style="list-style-type: none"> <li>▪ Check the latch seat is properly dimensioned and aligned to latch when door is closed.</li> <li>▪ Check the distance between door and frame.</li> <li>▪ Check issue is not caused due to the pressure of the door sealing.</li> </ul>
<p>X1R does not respond to any command. Latch and bolts doesn't move. The command modules have led OFF and doesn't give any sound. "<i>Connection error</i>" message when opening by phone.</p>	<ul style="list-style-type: none"> <li>▪ X1R not powered.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Check batteries status.</li> <li>▪ Check main power supply if present.</li> <li>▪ Check the power supply cable, if properly connected and not damaged, and check if connector is broken or has false contacts.</li> <li>▪ Delete the entire user list reading the <i>Master Card</i> for 5 seconds, for 3 times. Then switch off the lock disconnecting the battery pack for 5 seconds.</li> <li>▪ If the problem has not solved call the <i>IseoZero1 Technical Support</i>.</li> </ul>
<p>X1R non aziona i catenacci a porta chiusa. Luci e suoni corretti.</p>	<ul style="list-style-type: none"> <li>▪ <i>Selezionata Modalità funzionamento 3, 4 o 5.</i></li> <li>▪ <i>Sensore contatto porta</i> non funzionante o contatti non toccano correttamente.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Verificare la <i>Modalità funzionamento</i>.</li> <li>▪ Verificare se il <i>sensore contatto porta</i> è stato installato con la corretta polarità.</li> <li>▪ Verificare che il <i>sensore contatto porta</i> faccia contatto. In caso negativo verificare la posizione e regolare i contatti.</li> <li>▪ Sostituire il <i>sensore contatto porta</i>.</li> </ul>
<p>The latch keeps inside the lock.</p>	<ul style="list-style-type: none"> <li>▪ <i>Passage Mode</i> function enabled.</li> <li>▪ Remote opening button always pressed.</li> <li>▪ Latch mechanically stucked.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Disable <i>Passage Mode</i> function on <i>Argo</i> app.</li> <li>▪ Unlock or disconnect the remote opening button.</li> <li>▪ Unlock the latch.</li> </ul>

Issue	Possible cause	Possible solution
Le credenziali abilitate non aprono. Il lettore emette 2 segnalazioni acustiche unite a 2 lampeggi rossi.	Funzione <i>Blocco Utenti Standard</i> attiva.	<ul style="list-style-type: none"> <li>▪ Disattivare la funzione <i>Blocco Utenti Standard</i> con app <i>Argo</i>.</li> </ul>
Appena apro la porta la serratura si spegne (led modulo comando spenti).	Alimentazione da <i> sensore contatto porta</i> con pile scariche.	<ul style="list-style-type: none"> <li>▪ Sostituire le pile con nuove.</li> </ul>
X1R is not visible on <i>Argo</i> app. The external and internal module is flashing red, at regular interval, without any sound.	Modulo <i>Bluetooth</i> scollegato o non funzionante.	<ul style="list-style-type: none"> <li>▪ Check the <i>Bluetooth</i> module cable if intact and well connected, on both sides.</li> <li>▪ Replace the <i>Bluetooth</i> module.</li> </ul>

## Light and acoustic signal

Light & acoustic signal	Meaning	Notes
50sec. x 	First X1R Smart switch on: updating of external and internal control modules.	X1R Smart updates the control modules, including the <i>Bluetooth</i> module. <b>Do not switch off the lock during this operation.</b>
2 x  + n x 	X1R opening in not initialized state. Opening allowed with any <i>Mifare</i> card or tag.	The green led is flashing “n” times until the door opening or until the end of the opening time. The orange led delay the operation to indicate the lock not initialized.
2 x  + 2 x 	Door closing with X1R not initialized.	Physical closing of door. The orange led delay the operation to indicate the lock not initialized.
1 x  + 3 x 	X1R initialization procedure by <i>Master Card</i> .	<i>System code</i> assignment.
n x 	Enabled credential. Opening allowed.	The green led is flashing “n” times until the door opening or until the end of the opening time.
2 x 	Door open confirmation	It follows the opening allow signal, when door is not ajar and latch out.
	Added credential	Only in <i>Programming Mode</i> .
3 x  + 2 x 	Door closed and safe.	Physical closing of door.
5 x  fast	Credential not in memory.	Card, tag or PIN never stored into the lock user list.
2 x  slow	Opening not allowed	Credential in the user list but user not enabled. I.e.: <i>Block Standard User</i> .
	Credential already programmed	Only in <i>Programming Mode</i> .
2 x  every 2 sec.	Door not safe.	The latch is not completely out inside the strike plate.
7 x  fast	Open denied.	The lock does not execute the received command, due to incongruence of the internal sensors status with requested operation. I.e.: opening attempt in <i>Mode 5</i> with extended bolts.
1 x  + 2 x 	Enter <i>Programming Mode</i> .	
3 x 	Exit <i>Programming Mode</i> . Enable <i>Passage Mode</i> . Enable <i>Block Standard User</i> .	
5 x 	Disable <i>Passage Mode</i> . Disable <i>Block Standard User</i> .	

Light & acoustic signal	Meaning	Notes
1 x 	Active credential but <i>Passage Mode</i> function enabled.	
3 x  + n x 	Battery low.	During door opening or closing.
3 x  + n x 	Battery very low.	Before door opening or closing. Opening and closing delayed.
 3 sec.	Battery empty.	No opening or closing.

## Technical assistance

For any help please contact *ISEOZero1 Technical Support*. You can find your country telephone nr. at: <http://iseozero1.com/iseozero1/index.html#contacts>.

When you contact the *ISEOZero1 Technical Support* please provide the next information:

- *Argo app* software version.
- *Smartphone* model and software version.
- *X1R Smart* configuration and main board software version.
- Precise and detailed description of the issue.



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