

# ARGO

Access control system



**ISEO**<sup>®</sup>  
ULTIMATE ACCESS TECHNOLOGIES

ULTIMATE ACCESS TECHNOLOGIES  
TO UNLOCK YOUR FREEDOM TO MOVE.

# ARGO



ARGO is a complete access control system designed to adapt to various settings, such as private homes, shops, small offices, small businesses, B&Bs, and professional studios.

With the ARGO App and your smartphone, **you can easily and securely manage access to your spaces, monitor activity in real time, and simplify permission management.** Paired with the Connected Smart products, ARGO provides total control, wherever you are.

In addition to the smartphone, doors can be opened using an Apple Watch, RFID credentials, PIN codes, or fingerprints.

Access management has never been this intuitive: **ease of use and security** come together in a completely new way, shaping the future of access control. ARGO means simplicity, control, peace of mind, and freedom of movement.

ARGO App is free of charge and downloadable  
from the Apple Store or Google Play.



# ARGO App

The ARGO platform by ISEO is the ideal solution for residential contexts and small businesses.

With the ARGO App, you can open all the doors in your home or business directly from your smartphone and other devices such as Apple Watch, fingerprint scanner, RFID card or keyfob, and PIN code.

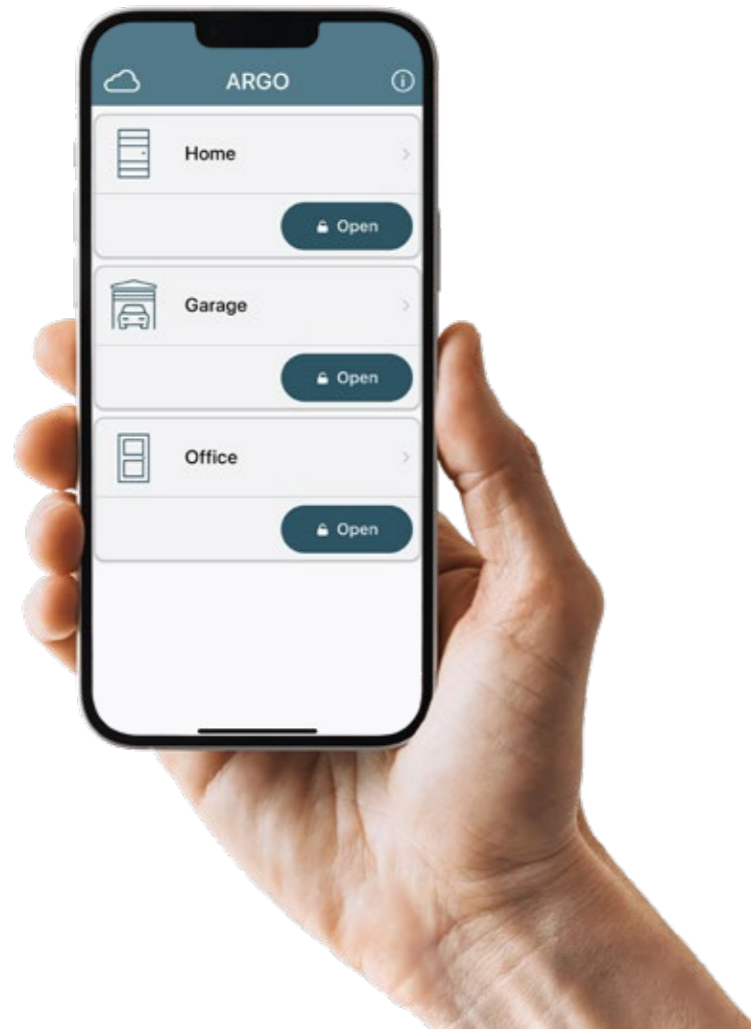
All you need to do is install a Connected Smart series device, such as electronic locks, cylinders, or handles, on the doors, even existing ones.

The app offers an intuitive and enjoyable user experience, thanks to its modern interface, icons for personalising and making your experience unique, and fast, simplified access management.

**With the ARGO App, you decide who can enter, choosing specific days and times for access.**

You can authorise family members, colleagues, or guests to enter with their smartphone even when you are not physically present.

The device installed on the door manages access by comparing the credentials received (RFID card, PIN code, fingerprint, or mobile credentials) with the database stored in the device itself (white list). The white list is easily programmable from your smartphone via Bluetooth® connection, so you always have total control over access in a practical and secure way.



## BED & BREAKFAST



## RESIDENTIAL



## BANKS



## LIGHT COMMERCIAL



# Connected Smart

## MA1A Smart

ISEO smart handle features an attractive design and compact dimensions, making it suitable for installation on all doors with DIN locks.



## 1NCA Smart Readers

ISEO range of wall-mounted readers are available in different versions, suitable for outdoor installation.



## Aries Smart

Aries connected handle is easy to install and fits almost all doors on the market.



## Smart Locker

The compact Smart Locker can be installed on a wide range of lockers and cabinets in order to protect people's belongings.



## Libra X Smart

The Libra X electronic modular cylinder adapts to all door types and thicknesses and can be easily installed without wiring.



## Smart Relay

Smart Relay is a concealed control device with integrated relay for electric doors, motorised gates or other electrically operated entrances.



## Door Controller Smart

Door Controller Smart is the ISEO electronic control unit designed to manage any electrical device operated via relay.



## Smart Gateway

Smart Gateway is a gateway to the ARGO cloud and allows remote control of devices from ISEO's Connected Smart range.



## Multiblindo Smart

Multiblindo Smart is a multi-point, automatic, motorised and connected lock that can be combined with 1NCA Smart Readers to extend the opening modes.



## X1R Smart

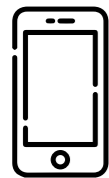
X1R Smart is a motorised electronic lock for armoured doors, which allows access via smartphone, RFID credentials, PIN code and fingerprint.



Discover all the product specifications available on e-Catalog Connected Smart

# Open as you like

You can open ISEO devices from Connected Smart range with different credentials, monitoring activities in real time and simplifying the management of permissions.



## Smartphone

Thanks to Bluetooth® technology, you can open the door using your smartphone. The ARGO App is free and allows any compatible smartphone (iOS, Android) to open doors equipped with ISEO Connected Smart devices from a distance of up to 10 metres.

**When configured and paired with the Smart Gateway, the ARGO App enables remote door opening** anytime, anywhere, with complete security.

The ARGO widget allows you to unlock your door without opening the ARGO App. Simply tap the ARGO widget, and the selected door will open instantly.

The app also manages all credentials and advanced functions. Additionally, **you can update the device software (firmware) directly in the field using your smartphone.**



## Apple Watch

ARGO App is available for Apple Watch (from Series 3 onwards) and allows you to open ISEO Connected Smart devices installed on your door. Simply open the ARGO App for Apple Watch and press the button for your door.



## Fingerprint

ARGO integrates **biometric authentication via fingerprint recognition, offering a secure and intuitive solution.**

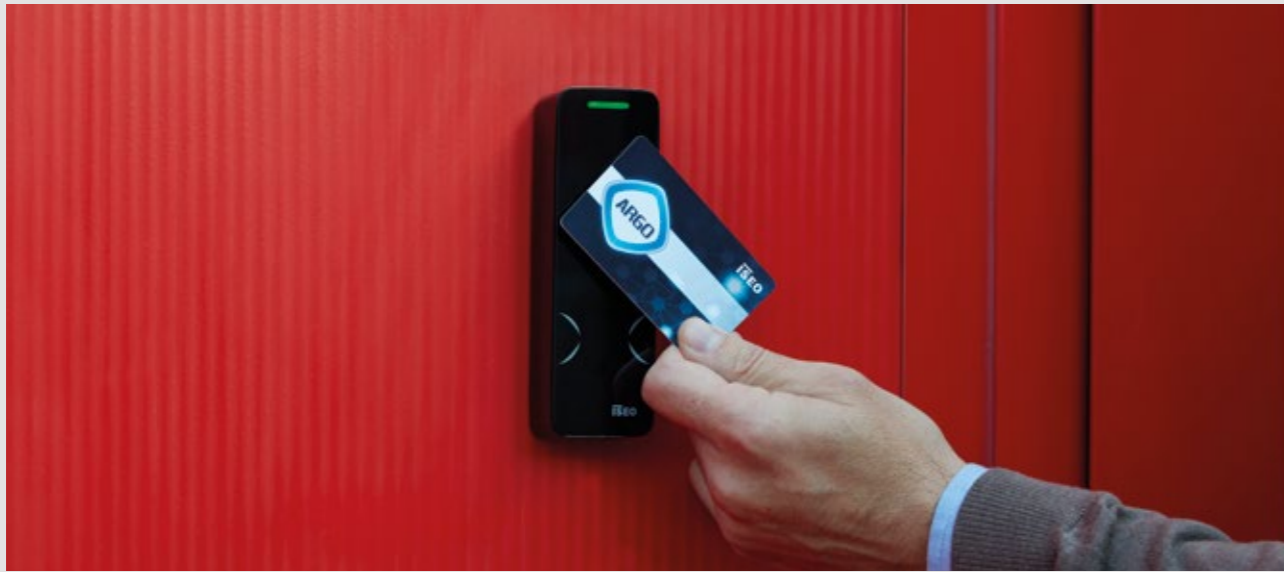
The fingerprint reader captures and stores a fingerprint map, which is saved in the lock as a biometric template. Each time a user interacts with the reader, the lock compares the fingerprint with the registered ones, **ensuring secure access without transmitting data externally.**

With the ARGO App, biometric templates registered on one lock can be transferred to others, eliminating the need to repeat the registration process for each door.



## PIN codes

The ARGO App allows PIN codes to be used as credentials to open the door. PIN codes, composed of 4 to 14 characters, can be easily managed, just like any other credential.



### RFID credentials

Connected Smart devices are equipped with a multi-standard RFID reader that works with 13.56 Mhz RFID technology (ISO 14443 A/B). You can open with:

#### USER CLASSIC

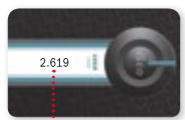
The CLASSIC keyfobs and cards are developed with a protected UID within a sector of Mifare Classic. Authentication between the card and the lock is secured by **Mifare Classic Crypto-1** (NXP Proprietary Encryption).

#### USER DESFIRE

The USER DESFire cards have been specifically developed by ISEO with an encrypted and protected UID stored within a file on the Mifare DESFire EV2 card. Authentication between the card and the lock is secured using AES 128 standard encryption.









#### Generic cards and tags MIFARE

Generic cards are pre-existing cards (contactless credit cards, public transport tickets, attendance cards, etc.) of various technologies such as MIFARE, MIFARE PLUS, MIFARE DESFire, ISO 14443 A or B. Generic cards and tags operate solely by reading the UID, which in this case is publicly accessible.



UID (Unique Identifier)



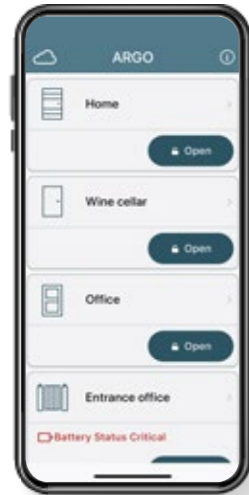
	Smartphone	Apple Watch	Fingerprint	PIN codes	RFID
 MA1A Smart	✓	✓			✓
 Aries Smart	✓	✓			✓
 Smart Locker	✓	✓			✓
 Libra X Smart	✓	✓			✓
 Smart Relay	✓	✓			
 Multiblindo Smart	✓	✓			
 X1R Smart	✓	✓	✓	✓	✓
+ Pair the Connected Smart devices with the 1NCA Smart Readers to increase the available credential types.					
 1NCA Smart Readers	✓	✓	✓	✓	✓



**1NCA SMART CABLE FREE**

These innovative readers connect via Bluetooth® Low Energy 5.1 to ISEO Connected Smart devices, expanding access credentials with PIN codes, RFID cards, or fingerprint, depending on the model. Powered by batteries, these devices require no wiring and are easy to install. Experience enhanced security and simplified access control with ISEO 1NCA Cable Free Readers.

# The highlights of **ARGO**



## Opening and device page

In the ARGO App, you can see all nearby doors equipped with ISEO Connected Smart series devices, which can be opened by tapping the “Open” button icon.

By selecting the opening device’s tile, you access the **device page**, which immediately provides all the information you need, including product type and battery level.

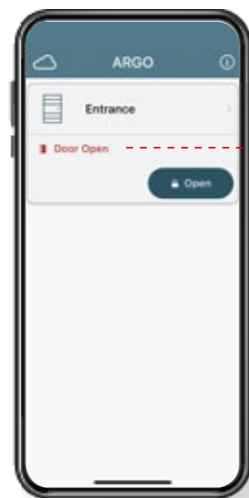
There are four **battery levels** that signal in advance the need for replacement. Replacing the batteries does not erase either the user list or the events stored in the lock.



From this page, you can also manage **additional functions** available from your smartphone, such as:

- Enable passage mode**
- Block standard users**
- Override privacy (Aries Smart)**

A single space, designed to simplify your control and always give you maximum convenience.



## Door Status function

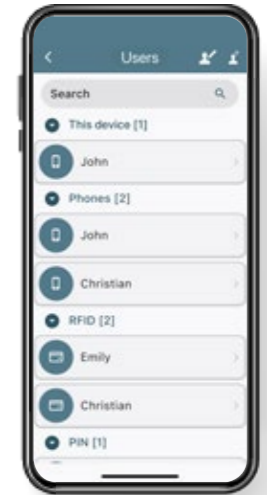
The **Door Status function** allows you to directly check on your smartphone whether the door is securely opened or closed. The Door Status function is available for locks equipped with a Door Status sensor (X1R Smart and Multiblindo Smart) or through pairing with the Smart Relay. This function enables the lock to transmit the Door Status signal, ensuring seamless integration with home automation systems.

## User list management

With ARGO App, the administrator can manage access permissions for various users intuitively, without the need for any additional software or internet connection.

It is possible to add, delete, or modify permissions for up to 300 users, with the option to manage VIP and Standard Users. VIP Users can restrict access for Standard Users.

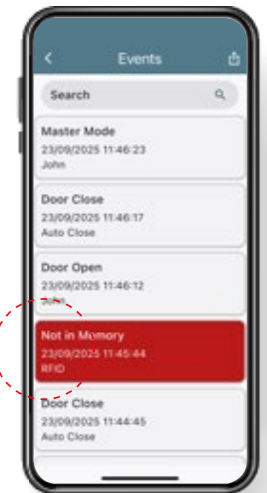
The user list can also be transferred from one door to another. In addition to access permissions, additional functions can be assigned, and time-based validity and shift schedules can be set.



## Events log reading

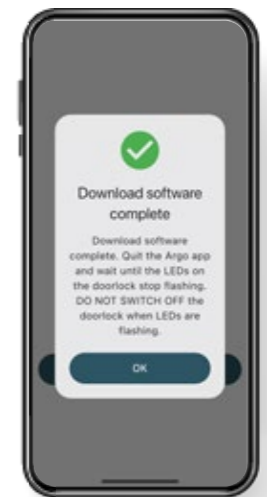
The administrator can manage the device via the ARGO App, which records every entry and exit activated by electronic and mechanical commands. It is possible to view the history of the last 1000 events detected on each door and send the report via email. Denied access attempts are highlighted in red.

DENIED ACCESS



## Free app and software updates

The user receives free software updates for the access control application, ensuring optimal door performance. The smartphone sends a notification when an update is available, and the **new software is installed directly from the smartphone**. This continuous update process allows users to quickly access the system’s advanced features and take advantage of constant innovations.



## ARGO App features



### USERS

- Show user list
- Add users
- Delete users

### DOOR INFO

- Change door name
- Change open time
- Display device information and software version
- Configure scheduled office mode

### EVENTS

- Show the last 1000 events
- Send events via email

### UTILITY

- Transfer user list
- Update the software
- Dump information

## Control your ARGO system remotely

### Manage your Connected Smart device remotely

The user can experience a new sense of peace and flexibility in access control.

Thanks to the combination of the ARGO App with the innovative Smart Gateway, users can remotely lock or unlock doors, monitor access, and adjust settings, ensuring perfect integration of the product into daily routines.

ARGO App ensures a secure connection through end-to-end encryption, managing communication without an intermediate server.



### Secure connection architecture from ARGO App to the door lock

ARGO App operates without any internet connection, as it directly connects via Secure Bluetooth® Low Energy 5.1 to the opening device installed on the door. The connection to the ISEO account on ARGO Cloud is protected by the TLS 1.3 protocol, ensuring extremely high security in encrypted communication.

ARGO ensures data confidentiality and authentication using established encryption techniques based on:

- AES 128 encryption
- Session keys generated with ECDH (Elliptic Curve Diffie-Hellman)
- Random number generator according to NIST (National Institute of Standards and Technology) specifications

The Smart Gateway is registered in the lock and acts as a proxy device. Additionally, the ISEO ARGO account is authenticated by the account password stored within each lock.

## Security of fingerprint opening

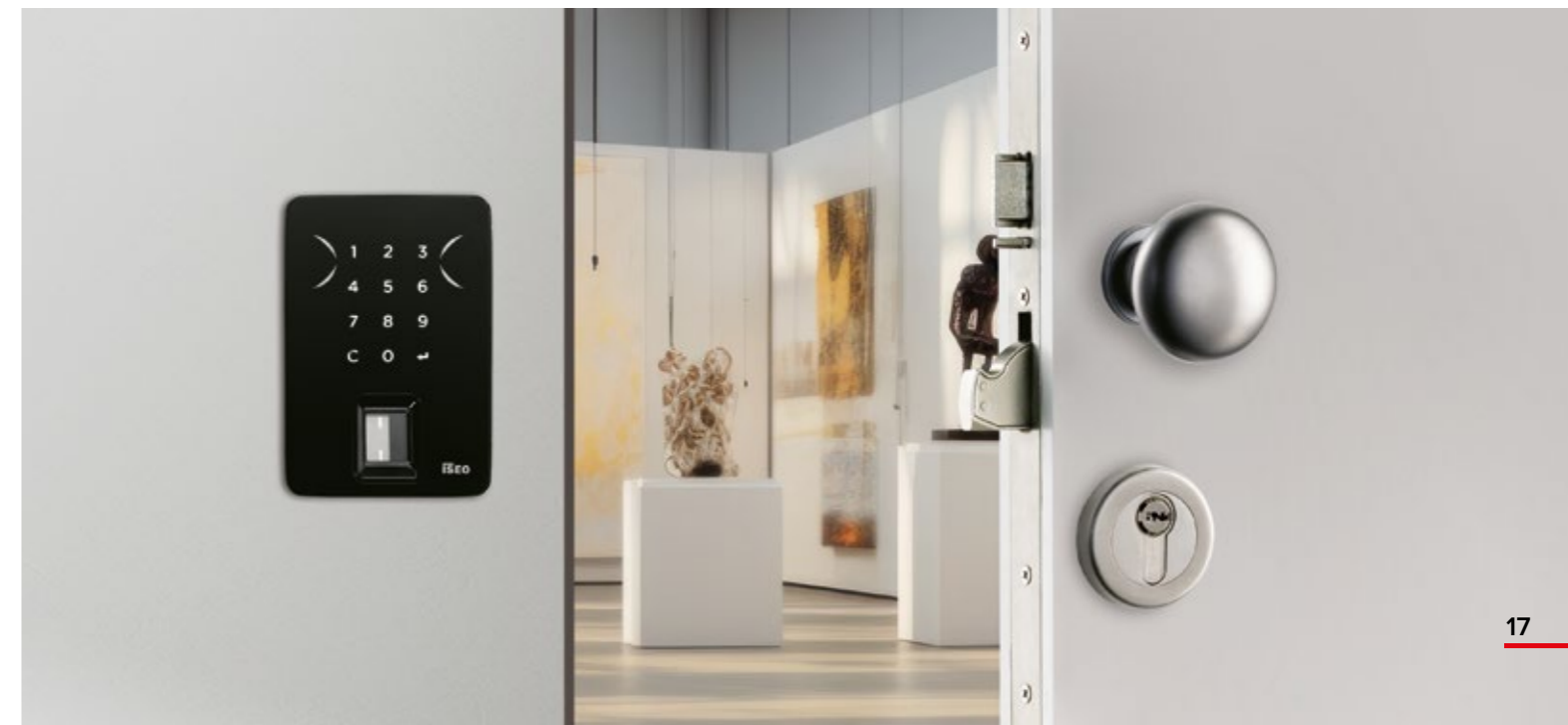
Unlike many fingerprint readers on the market, where the administrator has no detailed information on how the software is configured, ARGO allows you to set the security level and user convenience.

### Counterfeit fingerprint recognition

A counterfeit fingerprint can be artificially created using silicone, rubber, paper, gel, or film to deceive a common biometric reader. The optical reader includes a function to recognize a LIVE or COUNTERFEIT finger, using a capacitive sensor in combination with infrared light reflection.

### Encrypted Communication

The communication between the fingerprint reader and the device is protected by a secure encryption protocol.



# Light or Free Passage Mode

With ARGO App, it is possible to configure the lock with the hold-open function (office mode), allowing the management of the re-locking process as follows:



## Light mode

The lock is closed only with the latch. This function allows for greater energy savings, reduced mechanical wear, and enhanced comfort in terms of speed and silence.



## Free mode

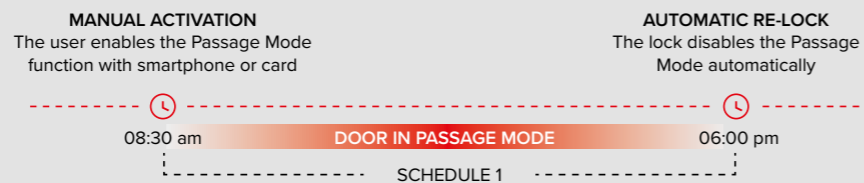
The lock keeps both the latch and the deadbolt retracted, ensuring free passage.

The hold-open function (light or free) can be activated with any credential: via smartphone with ARGO App, PIN codes, RFID credentials, or fingerprints. The hold-open function can also be scheduled to operate on specific days and times.

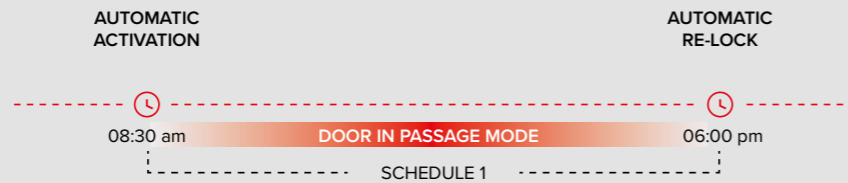
## SCHEDULED PASSAGE MODE

ARGO App allows you to set two different time schedules to automatically enable and disable office mode. For each of the two schedules, three different settings are available:

### 1. Passage Mode with automatic re-lock



### 2. Passage Mode with automatic activation and automatic re-lock



### 3. Passage Mode with automatic activation and automatic re-lock with first person in



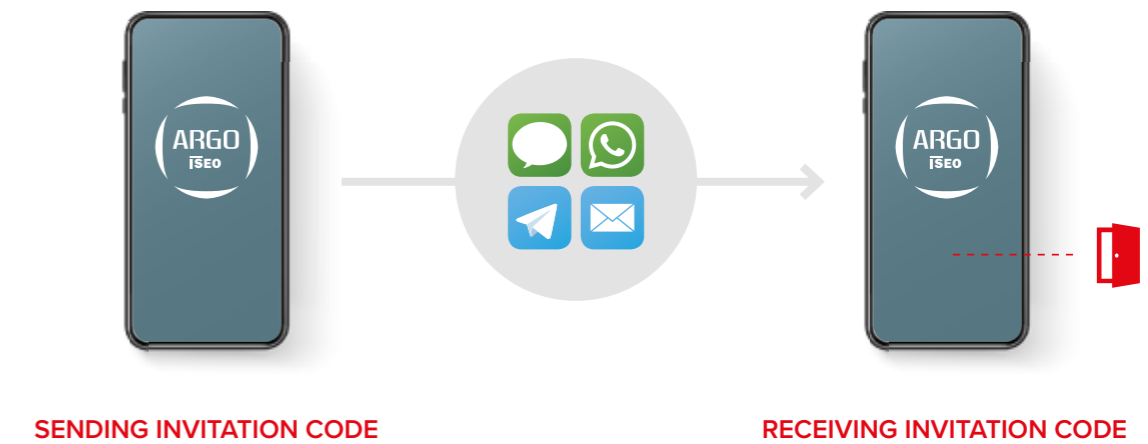
In this time span the door is still closed by bolts. The Passage Mode is activated when the first user enters with an authorized credential.

# Invitations

Invitations allow smartphones to self-register as users in the opening device.

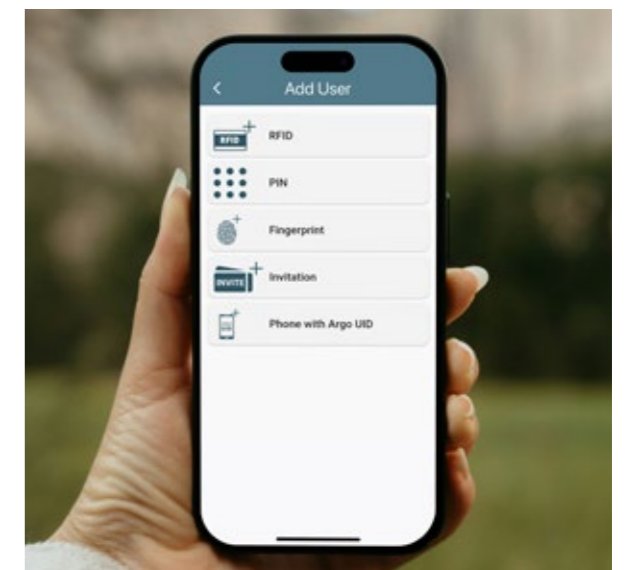
In a business context, for example, the invitation feature enables colleagues to add their smartphones to the user list using the invitation code received, without the need to have the phone near the door for registration. First, an administrator programs an invitation code on the lock and assigns it to a user. Then, when the user is in front of the door, they select the lock and enter the invitation code. The door opens via the smartphone. At the same time, the phone self-registers in the user list for the period specified in the invitation. The invitation code can only be used once and cannot be reused.

ARGO invitations can be sent via various applications.



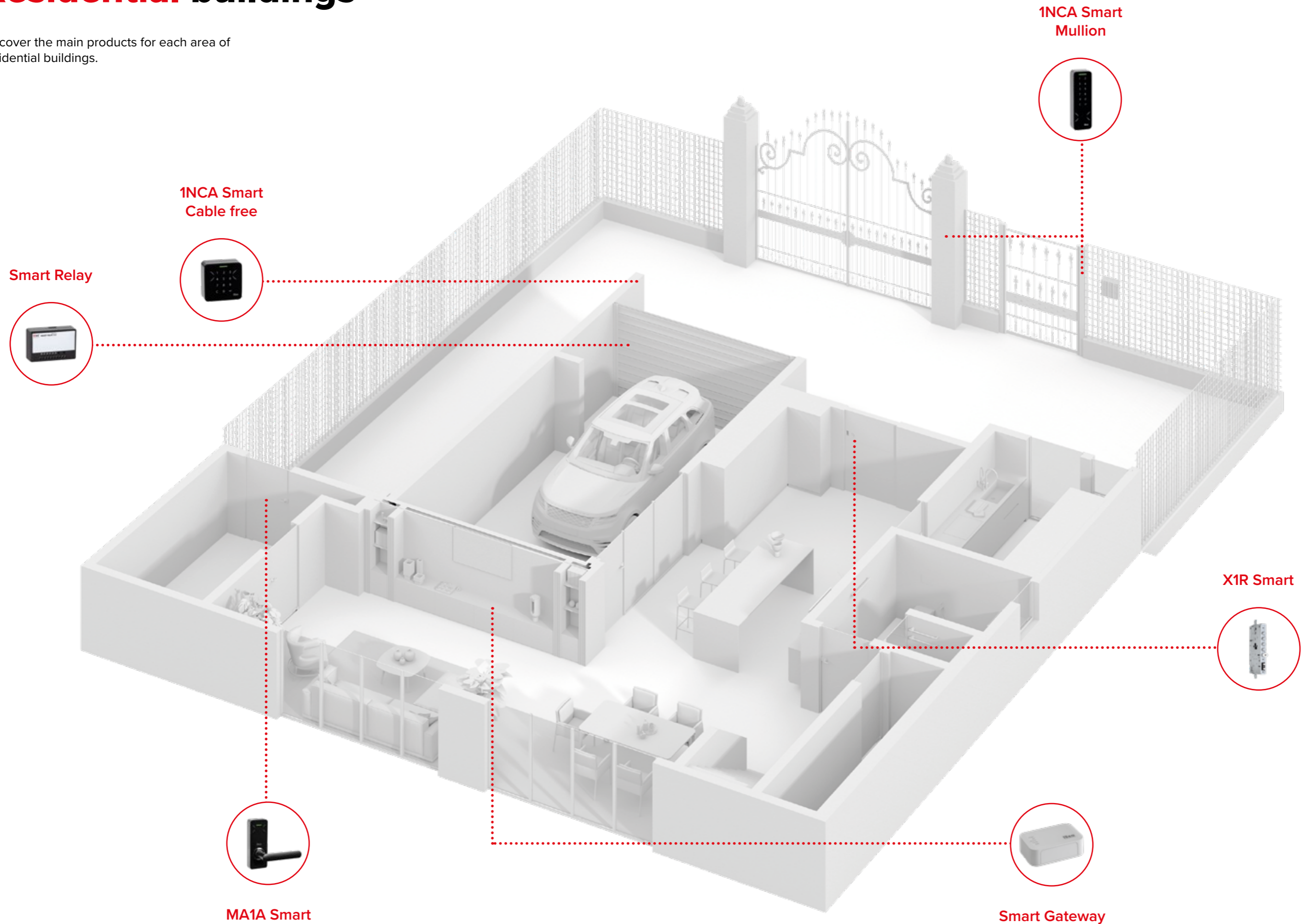
## UID (Unique Identifier)

As an administrator, you can add a smartphone to the access user list by entering the corresponding Phone ARGO UID.



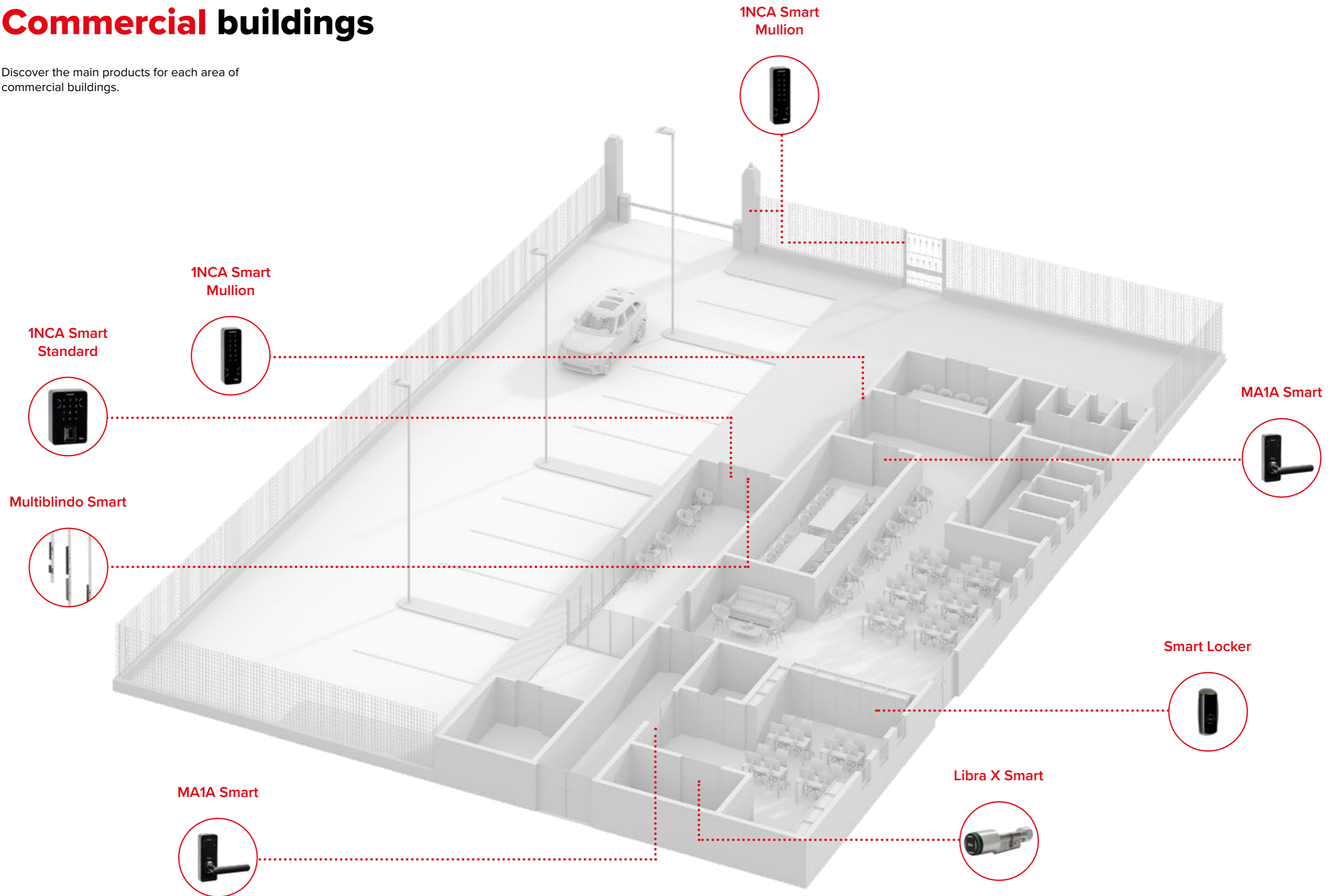
# Residential buildings

Discover the main products for each area of residential buildings.



# Commercial buildings

Discover the main products for each area of commercial buildings.





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