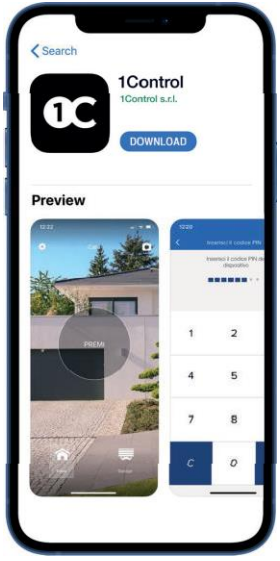
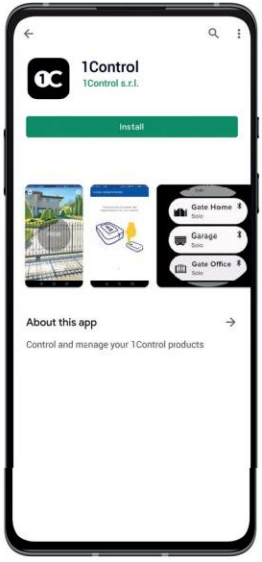
SOLO

Bluetooth
Remote Controls

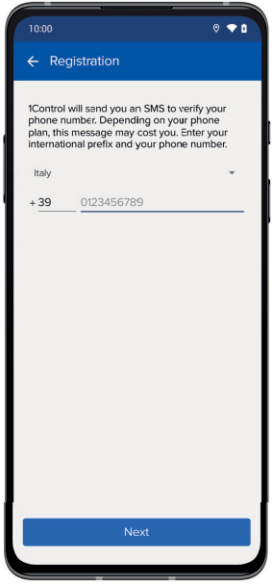


1. **Install the “1Control” app on your Android or iPhone smartphone.**

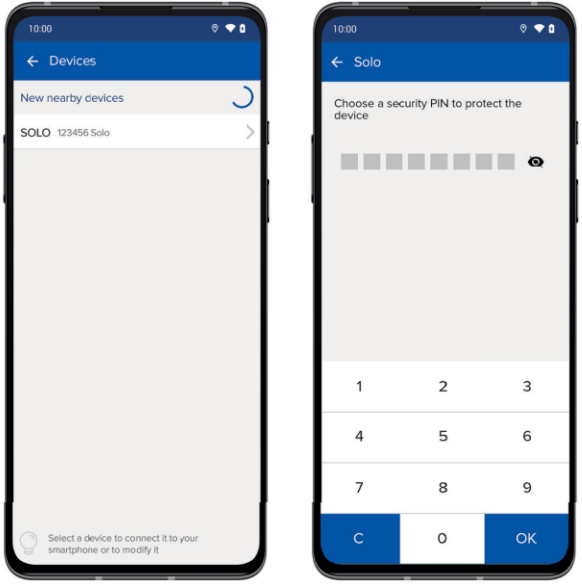




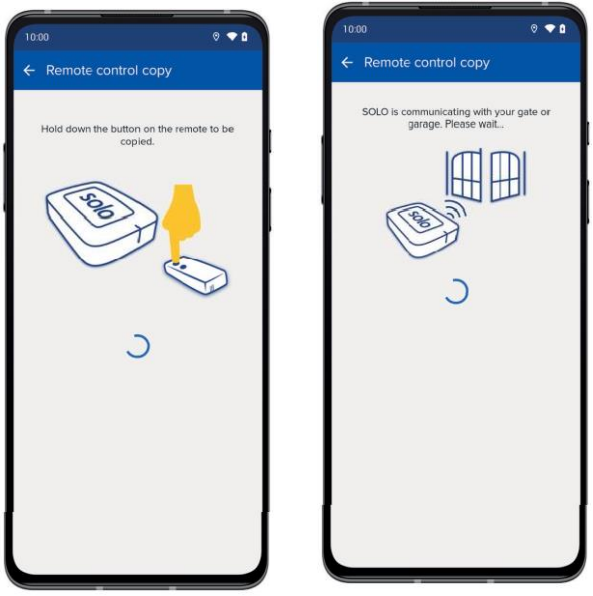
2. **Register using your mobile phone number. Registration is required to use the sharing features.**



3. Select your SOLO device from the list and set a security PIN for protection.



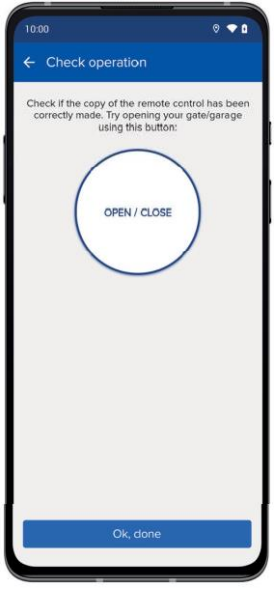
4. Take out your remote control and follow the app's instructions step by step.

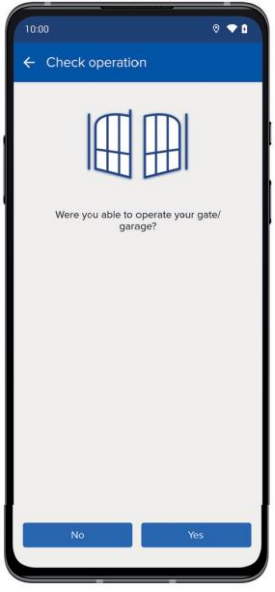


Attention!

If you encounter any problems during the pairing process, refer to the "Common Problems" section of the manual.

5. Test the remote control by opening the gate or garage.





Warning!
If the gate/garage does not open, try programming the remote control again, or refer to the “Common Problems” section of the manual.

6. Find the optimal location for the SOLO.

The operating range between the SOLO and your smartphone is determined by your phone’s Bluetooth and is approximately 15–20 meters. The distance between the SOLO and the automated system you want to control is 30–50 meters. Place the SOLO as close to the road as possible so you can open it more easily from your car, and make sure there any obstacles between them. If you want to control both the gate and the garage, place the device between the two automatic systems.



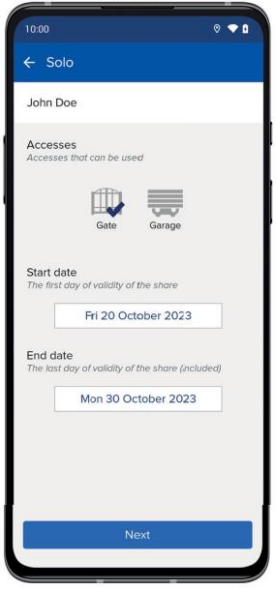




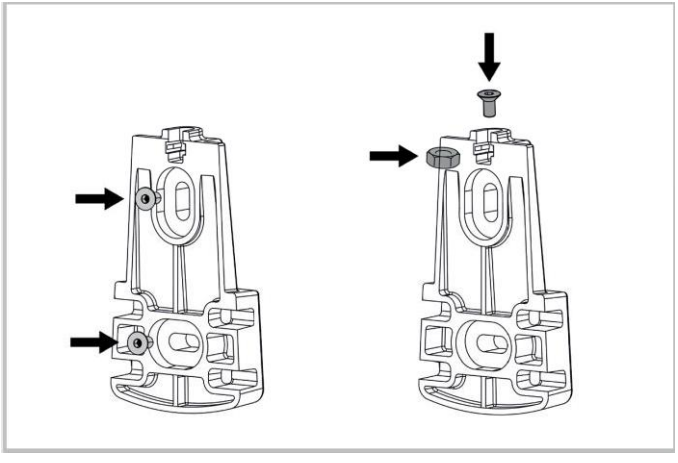
7. Share access with anyone.

Give the PIN code of your choice to your friends and family so they can have unlimited access to the device.

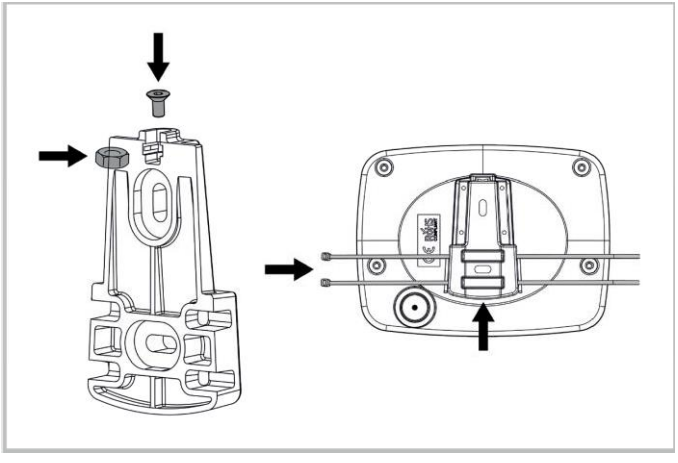
You can even set up sharing from the app simply by entering the phone number of the person you want to grant access to, even remotely. You can also create time-limited shares and revoke them at any time.



Wall Mounting



Pole mounting

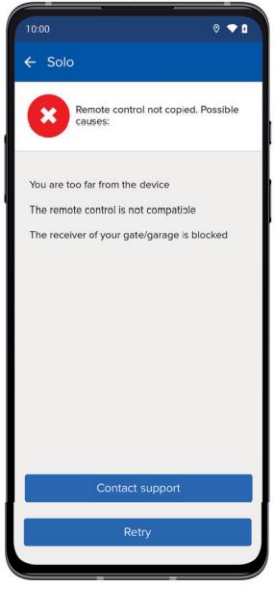


Common issues

SOLO cannot copy the remote control

Make sure your remote control is a compatible model by checking the website www.1control.it.

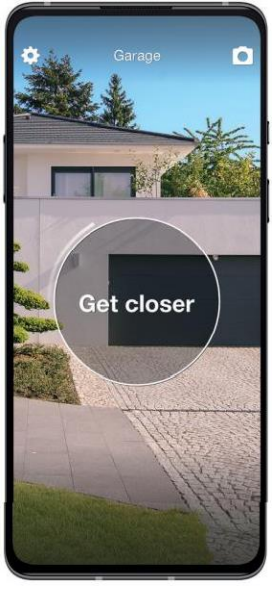
If your remote control is compatible but you are unable to pair it, follow the instructions on pages 24–26, then contact our technical support via the app or by email at**support@1control.it** .



Your phone isn’t detecting the SOLO gate opener.

Make sure Bluetooth is turned on in your phone’s settings and that you are near the SOLO gate opener.

If the problem persists, please contact customer service via the app or by email at **support@1control.it** .



FAAC rolling code remote control



A MASTER model is required to program a FAAC remote control.

To verify that the remote control is a MASTER model, press the open button on the remote control and check the type of LED flashing:

- If it flashes briefly and then stays lit, it is a MASTER
- If it emits a steady light immediately, it is a SLAVE remote control, which cannot be cloned.

Here is a video tutorial:
www.1control.it/en/video-faac

Other remote controls



If you are able to program the remote control but the gate/garage does not open, you will likely need to activate the gate/garage control unit.

Please send us the model number or a photo of the control unit to asupport@1control.it, and we'll provide detailed instructions on what to do next.

Here is a video tutorial:
www.1control.it/en/video-copy

Complete Guide and Safety/Compliance Information

1 - USER MANUAL

Description
The 1Control SOLO is an electronic device that allows you to control radio-controlled automated equipment, such as gates or garages, from your smartphone.

Controlling the Automation
The SOLO can replicate the automation's remote control, allowing you to operate it as if it were the original remote. It can replicate all fixed-code remote controls and most rolling-code remote controls in the 433.0 MHz and 868.0 MHz frequency bands, using AM and FM modulation. Older, low-frequency "quartz" remote controls are not compatible. A complete list of compatible remote controls is available on the 1Control website or in the Complete Guide.
To control the automation system, it is sufficient to program a single remote control; it is not necessary to program all users' remote controls.
SOLO communicates with your smartphone via the Bluetooth LE 4 protocol. Therefore, no internet connection is required to open the gate or garage.

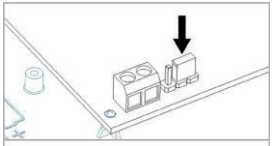
Operating Range
The maximum distance between SOLO and the automated system you wish to control depends on the type of radio remote control used. Typically, this distance ranges from 20 to 40 meters.
The maximum distance between the SOLO and a smartphone depends on the type of smartphone used and is generally around 15–20 meters. To maximize the SOLO's range, it is recommended to place the device at a height of at least 1 meter, in a location where there are no obstacles between the user and the SOLO. Reinforced concrete walls or metal boxes can weaken or block the SOLO signal.

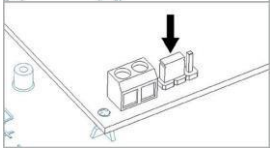
Operating Conditions
The SOLO is resistant to atmospheric conditions, rain, and snow, and is also resistant to solar radiation. It is IP66 certified.

Security
When using SOLO for the first time, you must set an 8-digit PIN. This PIN must be kept confidential. Those who know the PIN are considered system administrators for the device. The PIN can be reset by restoring SOLO to its factory settings.
A SOLO administrator can use the app's sharing features to invite other users to use the automation features without sharing the PIN code with them.
Communication between SOLO and the smartphone is protected by the latest generation of security algorithms, which are based on public keys and end-to-end symmetric encryption using temporary keys.
Communication between SOLO and the automation system uses the same security algorithms as the cloned remote control. Therefore, the security level of this communication is equivalent to that of the remote control.

Power Supply
The SOLO, SOLO MINI, and SOLO LITE devices are shipped with batteries already installed and powered on. The SOLO EVO can be powered by 1.5 V Type C alkaline batteries (included in the package) or by an external 12–24 V DC or AC power supply. The SOLO EVO's maximum current draw is 100 mA.
The batteries can be replaced when they run out. SOLO retains copied remote controls and shared access rights in memory even when there is no power.
You can check the battery charge level using the app.
Battery life depends on the number of operations performed (openings or closings):

Daily openings	Average duration
4	48 months
10	24 months
20	12 months

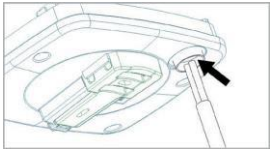




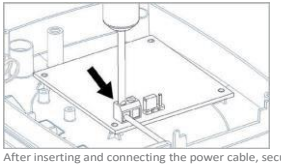
SOLO EVO: Selecting Battery Power
If you wish to power the SOLO EVO with a battery, set the jumper switch on the board to the "BT" position and remove the protective film from the battery. Secure the device with the 4 screws included in the package.

SOLO EVO: Selecting a 12–24 V AC/DC Power Supply To power the SOLO EVO from an external 12–24 V power source, set the jumper switch on the board to the "AL" position.

The package includes a cable that can be used to connect the SOLO EVO's power supply. The included cable is 4 meters long, water- and weather-resistant, and can therefore be used outdoors.
The SOLO EVO's wide input voltage range allows it to be connected to the power supply provided by most gate and garage control units.



The SOLO EVO unit comes with a pre-installed IP66 cable gland, which must be used to route the power cable. Before inserting the power cable, remove the batteries and pierce the cable gland with a small screwdriver.



Next, connect the power supply to the screw-type terminal block, making sure to observe the indicated polarity.

After inserting and connecting the power cable, secure it with the small strap provided, then close the device using the 4 screws provided.

Date and Time
The SOLO is equipped with an internal clock used to control user access rights. The internal clock automatically handles European Daylight Saving Time. The date is set automatically by the application upon first startup.

Specifications and Limitations
The **SOLO MINI 1** can control 1 radio-controlled automation system and can be used by 2 people per smartphone. Additional channels and users can be purchased through the app.
The **SOLO LITE** can control **2** radio-controlled automation systems and can be used by 5 people or smartphones. Additional channels and users can be purchased through the app.
The **SOLO** can control up to 4 different radio-controlled automation systems and can be used by 10 people or smartphones. Additional users can be purchased through the app.
SOLO EVO can control up to 4 different radio-controlled automation systems and can be used by up to 50 people or smartphones. Additional users can be purchased through the app.

App
The "1Control" app is free and available for download from the iPhone and Android app stores.
It is compatible with the following systems:
- iPhone 4S or newer smartphones running iOS 9 or later
- Android smartphones running Android 4.3 or later and equipped with Bluetooth LE
4 The "1Control" app can manage multiple 1Control devices simultaneously.

Initial Setup
1. Turn on the device (required only for the SOLO EVO; see the Power Supply section)
2. Download the "1Control" app from your smartphone's app store
3. Connect to the SOLO using the app and set a secret PIN
4. Pair the remote control by following the app's instructions
5. Place the SOLO near the automation system you want to control

Cloning a Remote Control
You can clone a remote control using the wizard in the app.
SOLO automatically detects the type of remote control you want to copy and guides you through the appropriate copying process via the app.
Note: When programming the remote control, it is best to stay near the corresponding gate or garage. A complete list of compatible remote controls can be found on the 1Control website or in the Complete Guide.

Sharing
Device administrators can share access stored in SOLO through the app.
Any user who wishes to receive shared access must register through the app by providing their phone number. Note: The same phone number cannot be used to register from different smartphones.
The system administrator can share access with a user by entering their phone number. Time restrictions (start and end dates, days of the week, hours of the day) can be set for shared access.
You do not need to be near the device to share access; this can be done remotely.

Restoring Factory Settings
All data stored on the SOLO can be deleted by resetting the device to factory settings. To reset, press and hold the internal button for more than 10 seconds. Resetting the device may take up to 2 minutes.
Resetting the device will result in the loss of all stored remote controls and will invalidate all created shares.

After-Sales Service
If you encounter any problems, please write to the following address support@1control.it

Package Contents
1 SOLO device
1 wall- or pole-mountable bracket
2 wall mounting anchors with accompanying screws
2 pole mounting clamps
2 batteries (already installed)
4 mounting screws (SOLO EVO version only)
1 IP66 cable gland (pre-installed, SOLO EVO version only) 1 power cable, 4 meters (SOLO EVO version only)

Radio frequencies
Frequency: 433.05–434.79 MHz, max. power: 10 mW (10 dBm)
Frequency: 868.0–868.6 MHz, max. power: 25 mW (14 dBm)
Frequency: 2400–2483.5 MHz, max. power: 100 mW (20 dBm)

Other details
Dimensions: 39x102x134 mm
Weight (including batteries):
350 g

2 - SAFETY PRECAUTIONS
Road safety comes first!
Please obey all local laws, drive with both hands on the wheel, and above all, pay attention to road safety.
Interference
Electromagnetic interference can prevent any wireless device, including the 1Control SOLO, from functioning optimally.
Accessories and Batteries
Use only the specified accessories and batteries.
Waterproof
This device is waterproof and meets the IP66 rating
Retaining the User Manual
Please keep all instructions and paper documents included in the package for future reference.

3 - SAFE USE
Please use only the batteries specified in this manual.
Using any other type of battery may damage the device, including battery leakage, overheating, explosion, or fire.
Battery fluid can be corrosive and toxic. It can damage your eyes and skin, and is extremely dangerous if swallowed.
If battery fluid gets into your eyes, rinse them thoroughly with plenty of water—do not rub them—and seek immediate medical attention.
• Do not throw, shake, or hit the device.
• Do not place the device and/or the batteries in a microwave oven or other high-pressure appliance.
• Do not use the device in the presence of explosive gases: the device may not function properly or a fire may occur.
• Do not place the device on surfaces with high temperatures: it may not function properly.
• Keep the device out of the reach of children.
The 1Control SOLO is a wireless transmitter. Although it complies with all applicable standards and regulations and bears the CE mark, like all wireless devices, the 1Control SOLO may interfere with the operation of certain electronic and medical devices: please follow the applicable regulations.
Do not disassemble or modify the device, as this may damage it and prevent it from functioning properly. Do not throw the device into a fire, as it may catch fire or explode.
Do not weld the device's connections, as this may cause leaks, overheating, an explosion, or a fire.
If the device overheats or changes color or shape during use, stop using it immediately and request a replacement.
If the device leaks or emits an unpleasant odor, remove it from heat sources to avoid the risk of fire or explosion.

4 - GENERAL WARNINGS - BATTERY REPLACEMENT
Dispose of used batteries in accordance with all applicable laws and, in all cases, separately from regular household waste. The 1Control SOLO device requires 2 standard 1.5 V Type C batteries.
If the batteries need to be replaced, please use only brand-new batteries.
Replacing the Batteries
1. Turn the SOLO 1Control device upside down, unscrew the 4 screws with a Phillips screwdriver (also known as a cross-head screwdriver), and then use a coin to remove the cover
2. Remove the batteries

3. Insert the new batteries, ensuring correct polarity according to the "+" and "-" marks on the battery compartment.
Using the wrong batteries may cause leakage or an explosion. Use only batteries of the correct size and type (Type C, 1.5 V).

5 - LIMITED MANUFACTURER'S WARRANTY

1Control's obligations are limited to repairing the product or defective parts, or replacing them at its sole discretion.
1Control authorizes only official service centers to perform warranty and service activities. This warranty does not affect the buyer's statutory rights under applicable national laws, nor does it affect the buyer's rights against the retailer arising from the purchase contract. In the absence of applicable national laws, this warranty is the sole means of protection for purchasers, and neither 1Control, nor its subsidiaries, nor its distributors shall be liable for any incidental or consequential damages caused by 1Control products that result from a breach of the warranty terms described in this document.
These terms do not replace the rights provided by applicable consumer protection laws.
Some product models may differ from those described here. Please ask your dealer or visit www.1con-trol.eu.

Exclusion of Other Damages

To the fullest extent permitted by applicable law, 1Control, its suppliers, subsidiaries, and agents shall not be liable for:
• for incidental or consequential damages;
• damages or losses of any kind, including lost revenue, data loss, loss of privacy or confidential information, the total or partial inoperability of the devices' hardware or software, personal injury, or failure to comply with obligations (such as the obligation to act with due care, in good faith, and appropriately), or indirect, special, or moral damages related in any way to the software or the devices' hardware. These exclusions apply even if 1Control, its service providers, affiliates, or agents have been advised of the possibility of such losses or damages, and even if they result from a defect, tort (including negligence), strict liability, so-called product liability, misrepresentation, or any other cause. Some jurisdictions do not allow the exclusion or limitation of liability for incidental or consequential damages, so the limitations or exclusions set forth above may not apply to you.

Cases Excluding Warranty Coverage

The warranty is void, and 1Control assumes no liability, if the Software or the device's hardware is:
• is used for commercial purposes, including leasing and rental;
• is modified or tampered with;
• is damaged due to unforeseeable events, unlawful use, improper use, negligence, improper handling, wear and tear, or other causes not related to the device's hardware or software;
• is damaged during shipping;
• is not used in accordance with the instructions provided in the documentation and user manual;
• is repaired, modified, or altered by anyone other than 1Control's authorized service centers, and if such persons contribute to any defects or damage.
This warranty does not limit consumers' rights under national laws governing consumer goods. The warranty period is the product's expected service life, which is 24 months from the date of purchase. If the product is used in a professional setting, the warranty period is reduced to 12 months. During the warranty period, the national distributor listed on this certificate will, at its own expense and within a reasonable timeframe, remedy any malfunctions attributable to manufacturing defects. In accordance with applicable laws, defects identified by qualified service personnel will be remedied by repair or—at 1Control's sole discretion—by replacement of the product.
This warranty is valid exclusively in the country for which the product is intended and applies in full to the national distributors listed on the certificate. Certain limitations on service may arise due to the unavailability of specific parts in the given country.

The warranty expressly excludes the following:

• The manual and/or packaging.
• User-generated content, downloaded configurations, or third-party software.

1 IP66 cable gland (already installed, SOLO EVO version only) 1 4-meter power cable (SOLO EVO version only)

• The costs of shipping the product to and from an authorized service center.
• Wear and tear resulting from normal use over time, including batteries.
• Damage resulting from accidental causes or carelessness, as well as damage caused by any external factors.
• All damage resulting from improper use as described in the manual included with the product.

Limitations

This warranty is a form of protection provided by 1Control to consumers through retailers and is not intended to limit the guarantees applicable to consumers under the laws of various countries.
The warranty may be claimed exclusively at authorized service centers or at retailers that sell 1Control products. The warranty terms cannot be extended in any way and begin exclusively on the date of the product's first sale to the end user, as evidenced by a valid tax document.
Defective parts replaced during repairs performed under warranty remain the exclusive property of 1Control, and the consumer may not claim any rights to them.
To the extent permitted by applicable law and in the absence of fraud, 1Control shall not be held liable for any loss of user data caused by a defect covered by the warranty.
To have the device repaired, the consumer must always send the product to an authorized service center at their own expense, free of any locks or security codes that restrict or prevent the use or repair of the product. Furthermore, liability is excluded for loss of profits resulting from the inability to use the product, as well as for loss of revenue arising from direct, indirect, special, or consequential damages caused by the device.
1Control's liability is limited in all cases to the purchase price of the product, and the consumer must in all cases make a copy of and retain the data and software stored in the phone's memory.
For defects that are not covered by this warranty due to the reasons listed above, consumers who do not wish to have the product repaired must pay the estimate provided by the service center. 1Control cannot be held liable in any way for this request, as it is beyond its control and falls outside the scope of warranty coverage.
ATTENTION: This warranty is invalid under any circumstances if the product has been tampered with in any way, including the removal or alteration of labels.

6 - PROPER DISPOSAL OF THE PRODUCT AND BATTERIES

Directives 2002/95/EC, 2002/96/EC, and 2003/108/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment and on waste management," the crossed-out trash can symbol on the device or its packaging indicates that the product must be collected separately from other waste at the end of its useful life. The separate collection of the device at the end of its useful life is organized and managed by the manufacturer. Users wishing to dispose of the device must contact the manufacturer and follow the system established by the manufacturer for the system established for its separate collection at the end of the product's life cycle. Proper collection of the dismantled product, which facilitates its recycling, treatment, and disposal helps prevent negative impacts on the environment and human health, and promotes the reuse and/or recycling of the materials comprising the device. Illegal by the owner will result in the application of administrative sanctions as prescribed by law. The marking on the battery, in its documentation, or on its packaging indicates that the batteries must not be disposed of with regular household waste at the end of their service life. Where indicated, the chemical symbols Hg, Cd, or Pb indicate that the battery contains exceed the reference values defined in EU Directive 2006/66. If the battery is not disposed of properly, these substances may harm human health or the environment.

7 - COMPLIANCE

The 1Control SOLO MINI, 1Control SOLO LITE, 1Control SOLO, and 1Control SOLO EVO devices have been manufactured in accordance with the technical standards and directives in effect as of May 31, 2024, which can be viewed via this direct link to the Declaration of Conformity: www.1control.eu/conformity
Brescia, May 31, 2024; Legal Representative: Marco Streparava

For the latest information, visit 1control.eu/latest-updates

2 wall-mounting plugs and corresponding screws 2 pole-mounting clamps
2 batteries (already installed)
4 mounting screws (SOLO EVO version only)
IP66 cable gland (already installed, SOLO EVO version only) 1 x 4-meter power cable (SOLO EVO version only)

Radio Frequencies

Frequency 433.05–434.79 MHz, maximum power 10 mW (10 dBm)

Solo 1Control

Discover the 1Control product family



Dory 1Control

SMART LOCK



Link 1Control

SOLO LINK



why 1Control

REMOTE CONTROL



Pad 1Control

PAD

Need help?

Visit www.1control.eu/contact-us



1Control srl

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www.1control.it