

EN - User Guide 1Control SOLO

1 - SUGGESTION

Description

1Control SOLO is an electronic device that allows the operation of a radio-controlled automation, such as a gate or a garage, using a smartphone.

Control of an automation

SOLO is able to copy the automation remote control and therefore to control it behaving like the original remote control.

It is able to copy all fixed-coded remote controls and most rolling-code remote controls, in the 433.0 MHz to 868.0 MHz frequency bands, using the AM and FM modulations. The old low-frequency remote controls, called quartz, are not compatible. The complete list of compatible remote controls is available on the 1Control website or in the Complete Guide.

To control an automation, it is sufficient to copy a single remote control, it is not necessary to copy the remote controls of all users.

SOLO communicates with smartphone using the Bluetooth LE 4 protocol. Therefore it is not necessary to have an Internet connection to open gate and garage.

Operating distance

The max distance between SOLO and an automation to be controlled varies according to the type of radio-control used. Normally such distance is between 20 and 40 meters.

The max distance between SOLO and a smartphone varies according to the model of smartphone used and is normally about 15-20 meters.

To maximize the range of SOLO it is advisable to place it at least 1 meter from the ground and in a place where there are no obstacles between the user and SOLO. Reinforced concrete walls or metal boxes can weaken or block the SOLO signal.



Operating conditions

SOLO is resistant to atmospheric agents, is rainproof, snowproof and resistant to sun-rays. It is IP66 certified.

Security

When using SOLO for the first time, an 8-digit numeric PIN code must be set. This PIN

must be kept secret. PIN code holders are considered administrators of the device. It is possible to reset the PIN by performing a factory reset of SOLO.

The SOLO administrator can invite other users to use an automation, without giving them the PIN code, using the sharing features offered by the app.

The communication between SOLO and a smartphone is protected by latest-generation security algorithms based on public keys and end-to-end symmetric encryption with ephemeral keys.

The communication between SOLO and an automation uses the same security algorithms as the copied remote control. Therefore the degree of security offered in this communication is the same as that of the remote control.

Power supply

SOLO, SOLO MINI and SOLO LITE are supplied with the batteries already fitted and they are already switched on.

SOLO EVO can be powered using 1.5V alkaline type C batteries (already included in the package) or by external power supply with voltage between 12V and 24V DC or AC. SOLO EVO has a maximum current consumption of 100mA.

The batteries can be replaced when they are flat. SOLO keeps the copied remote controls and shared accesses in memory even when it is not energized.

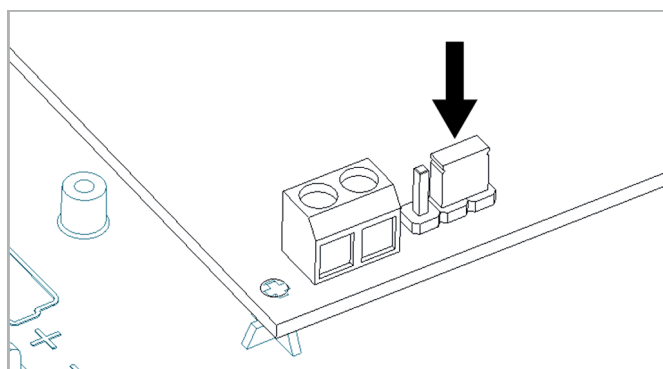
You can check the charge status of the batteries using the app.

Battery life varies according to the number of drives (openings or closures) made:

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

SOLO EVO: battery power supply selection

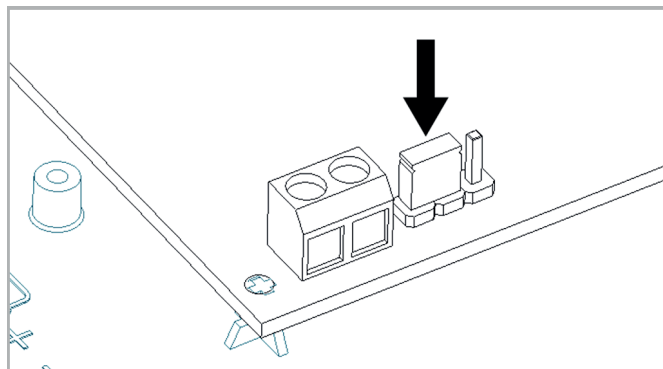
To power SOLO EVO using batteries, set the jumper selector on the board to the “BT” position and remove the battery protection tab. Close the device using the 4 screws provided in the package.



SOLO EVO: 12-24V AC/DC power supply selection

To power SOLO EVO through an external 12-24V source it is necessary to set the jumper

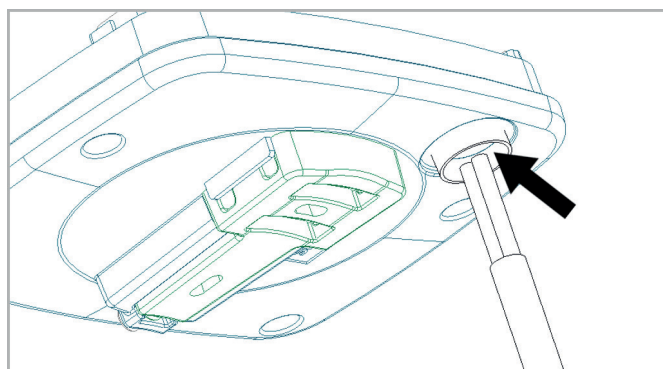
selector on the board to the “AL” position.



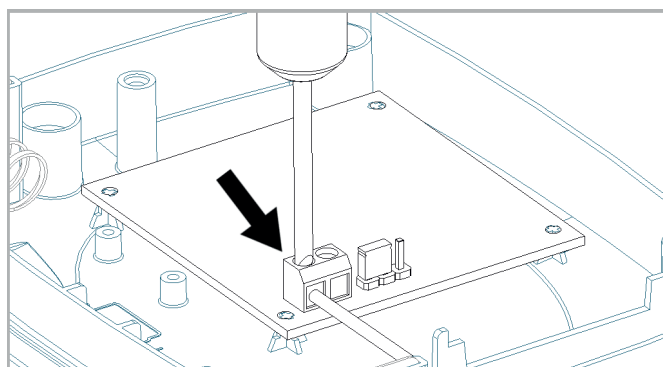
The package includes a cable that can be used to connect the power supply of SOLO EVO. The supplied cable has a length of 4 meters and is resistant to water and atmospheric agents, therefore it can be used outdoors.

The wide supply voltage range accepted by SOLO EVO makes it possible to connect to the power supply provided by most of the control units for gates and garages.

SOLO EVO is equipped with an already mounted IP66 cable gland that must be used to route the power cable. It is necessary to remove the batteries and puncture the cable gland with a small screwdriver before inserting the power cable.



Then connect the power supply to the screw terminal block, taking care to respect the indicated polarity.



Once the power cable has been inserted and connected, secure it using the small strap supplied and close the device using the 4 screws supplied.

Date and time

SOLO is equipped with an internal clock that is used to check the users' access time ri-

ghts. The internal clock manages the European daylight saving time independently. The date will be set automatically by the app at the first start.

Data and limitations

SOLO MINI can control 1 radio-controlled automation and can be used by 2 people / smartphones. Additional channels and users can be purchased from the app.

SOLO LITE can control 2 radio-controlled automations and can be used by 5 people / smartphones. Additional channels and users can be purchased from the app.

SOLO can control up to 4 different radio-controlled automations and can be used by 10 people / smartphones. Additional users can be purchased from the app.

SOLO EVO can control up to 4 different radio-controlled automations and can be used by 50 people / smartphones. Additional users can be purchased from the app.

App

The “1Control” App is free and can be downloaded from the Stores for iPhone and Android.

It is compatible with the following systems:

- Smartphone iPhone 4S or later with iOS 9 or later
- Smartphone Android with 4.3 system or later and Bluetooth LE 4

“1Control” app is able to manage many 1Control devices at the same time.

First installation

1. Power the device (necessary only for SOLO EVO, see chapter Power supply)
2. Download the “1Control” app from your smartphone’s store
3. Connect with the app to the SOLO and set a secret PIN code
4. Copy the remote control following the guided procedure by the app
5. Place the SOLO near the automation to be controlled

Copy of a remote control

The copy of a remote control takes place by following the wizard available on the app.

SOLO is able to automatically recognize the type of remote control you are copying and to provide the appropriate copy procedure through the app.

NB: When copying a remote control it is advisable to be near the relative gate or garage. The complete list of compatible remote controls is available on the 1Control website or in the Complete Guide.

Shares

Device administrators can share an access stored on SOLO via the app.

All users who wish to receive a share must register via the app by entering their phone number. NB: it is not possible to use the same phone number to register from different smartphones.

The administrator can share an access to a user by indicating his phone number. It is possible to set time constraints (start and end date, days of the week, hours of the day) to shares.

To share an access it is not necessary to be near the device, this operation can also be performed remotely.

Factory reset

You can completely delete all data stored on SOLO by restoring it to factory conditions. To reset, press and hold the internal key for more than 10 seconds. Resetting the device can take up to 2 minutes.

The restoration of the device causes the loss of all the memorized remote controls and invalidates all the shares created.

After sales service

In case of problems write to support@1control.it

Pack contents

- 1 SOLO device
- 1 wall or pole fastening support
- 2 wall fastening anchors with relative screws
- 2 pole fastening clamps
- 2 batteries (already fitted)
- 4 locking screws (only for the SOLO EVO version)
- 1 IP66 cable gland (already installed, only for the SOLO EVO version)
- 1 power cable 4 meters (only for the SOLO EVO version)

Other details

Dimensions: 39x102x134mm

Weight (batteries included): 350g

2 - SAFETY MEASURES

Traffic safety first!

Please respect all local laws, drive with both hands and pay attention to road safety first of all.

Interference

Electromagnetic interference can lead to sub-optimal performance of any wireless device, including 1Control SOLO.

Accessories and batteries

Use only indicated accessories and batteries.

Waterproof

This device is waterproof, conforming to class IP66

Keep the instructions

Please keep all instructions and paper documents included in the packaging for future reference.

3 - SAFE USE

Please only use batteries indicated in this guide.

The use of any other type of battery may cause damages even to the device including battery leakage, overheating, explosion or fire.

The liquid released by the batteries is corrosive and can be toxic. It could also cause damage to eyes and skin and is extremely dangerous if ingested.

In case the liquid of the battery should come into contact with the eyes, wash well with a lot of water, do not rub your hands and head immediately to the hospital.

- Do not subject the device to throws, shaking or bashing.
- Do not place the device and/or batteries in a microwave or any other high pressure device.
- Do not use the device in areas containing explosive gas: it may not work or catch fire.
- Do not place the device on high temperature surfaces: it may not work correctly.
- Place the device out of children's reach.

1Control SOLO is a wireless transmitter. Although it conforms to all applicable norms and regulations and it is CE marked, like any wireless device, 1Control SOLO may interfere with some electronic and medical devices: please abide by the applicable regulations.

Do not dismantle or modify the device, it could be damaged and not work correctly.

Do not throw the device into the fire, it could ignite and explode.

Do not weld the connections of the device, it could cause leaks, overheating, explosions or fires.

In the event of the device overheating, changing color or changing shape during use, please stop using it immediately and ask for a substitute device.

In the event of the device leaking or emanating bad odors, move it away from sources of heat so as to avoid the risk of fires or explosions.

4 - GENERAL WARNINGS - REPLACING THE BATTERIES

Please discard exhausted batteries according to all applicable laws, and in any case separately from regular waste. 1Control SOLO requires 2 standard type C 1.5V batteries. When batteries need to be replaced, please use only brand new ones.

To substitute the batteries

1. Turn upside down the SOLO 1Control device and unscrew the 4 screws using a Phillips

screwdriver (also known as crossed screwdriver) and with the help of a coin remove the top

2. Remove batteries

3. Insert new batteries, making sure to place them with the correct polarity, according to the “+” and “-” signs on the battery compartment.

Using incorrect batteries can lead to leaks or explosions. Use only batteries of the appropriate size and type (type C, 1.5V).

5 - LIMITED WARRANTY

The obligations of 1Control are limited to the repair or, at its own discretion, substitution of the product or the defective parts.

The authorized assistance centres are the only ones charged by 1Control in the activity of warranty and assistance.

This warranty does not affect the customer's rights prescribed by law in accordance with the applicable national legislation in force, nor the customer's rights against the retailer arising from the purchase agreement. In the absence of applicable national laws, this warranty is the one and only safeguard for customers and nor 1Control, nor its affiliates or its distributors are responsible for any incidental or indirect damages caused by 1Control products, resulting from breach of the warranty conditions described in this document.

These conditions do not replace the rights prescribed under the applicable Consumer Rights Codes.

Some product models may differ from these guidelines. Verify with your retailer or by visiting the website www.1control.eu

Exclusion from other damages

To the maximum extent permitted by applicable law, 1Control and its suppliers, its affiliates and its agents will not be responsible for:

- incidental or consequential damages;
- damages or losses of any nature regarding lost earnings, loss of data, of privacy or of confidential information, inability to utilise entirely or partially the devices Hardware or Software, damages to people or failure to comply with obligations (including, for example, the obligation to act diligently, in good faith and well) or indirect damages, special or moral due to, or correlated in any way to the Software or the devices Hardware. These exclusions are applied in case 1Control, its providers, associates or its agents have been warned of the possibility of such losses or damages have been advised of the possibility of such damages and even if an error occurs, tort (including negligence), strict liability, or so-called product liability, misrepresentation, or other reasons.

Some jurisdictions do not allow the exclusion or limitation of liability for incidental or consequential damages, the limitations or exclusions set forth above may not apply to you.

Elements that void the warranty

This warranty is not applicable and 1Control is not responsible in case the Software or device Hardware are:

- used for commercial purposes including leasing and renting;
- modified or tampered with;
- damaged by unforeseeable events, illicit use, improper use, negligence, indecency, deterioration or other causes not correlated with the device's Hardware or Software;
- damaged during shipments;
- not used according to instructions given in the documentation and instructions manual otherwise;
- it is repaired, modified or altered by an individual different from the authorized 1Control repair centres and in the event of such individuals contributing to possible defects or damages.

This warranty does not limit the consumers rights from the national laws regarding consumer goods. The products life expectancy for which this guarantee is valid is 24 months that commence from the first day of purchase. If this product is used in a professional setting the period is reduced to 12 months. During the guarantee period the national supplier noted alongside this certificate will, at its own costs and within a reasonable timespan, eliminate the malfunctions that are encountered and attributable to production defects. Having taken into consideration the current laws, the found defects from appropriate assistance personnel will be solved via repair or, to 1Control discretion, substitution of the product.

This warranty is valid only in the country in which the product is destined to and it is entirely to the national distributors indicated on the certificate. Some limitations to the assistance services may be due to the absence of specific components in the country.

The following are explicitly not covered by this warranty:

- The manual and/or the container.
- The users content, the downloaded configurations or third party software.
- The costs of sending a product to and from an authorized help center.
- The deterioration due to wear over time including the batteries.
- Damages due to accidental causes or unskillfulness and all the damages caused by any external agent.
- All the damages caused by a non-compliant use described in the manual alongside the product.

Limitations

This warranty is the protection provided to consumers by 1Control through dealer reference and is not intended to restrict the guarantees of the consumer under the legislation of different countries.

The warranty will be recognized exclusively in authorized service centers or at retailers who sell products 1Control.

The terms of warranty may not be extended in any way and shall run only from the date of the first sale of the product to the final consumer as certified by a valid fiscal document. The defective parts replaced during repairs under warranty are the exclusive property of 1Control and cannot be claimed by the consumer in any way.

To the extent permitted by applicable law and in the absence of fraud, no responsibility can be attributed to 1Control for damages for loss of user data caused by any defect covered by the warranty.

The consumer in order to have the device repaired is to always convey the product at his own expense, at the authorized service center, devoid of any lock or security code that limit or prevent the use and repair of the product.

Also excluded from liability are the losses of profit caused by non-use of the product or loss of revenue for any direct, indirect, special or consequential damages caused by the device.

The responsibility of 1Control is always limited to the purchase value of the product and the consumer must always keep copies and safeguard the data and the software present in the phone's memory.

For faults which, for the reasons listed above, they were not related to the terms of this warranty the consumer who does not wish to repair will be required to pay the consideration of the budget requested by the service center. 1Control shall in no way be held responsible for this request because it is outside their knowledge and external to the protection warranty.

CAREFUL: this warranty is never valid if the product has experienced any kind of tampering including the removal or deletion of labels.

6 - CORRECT PRODUCT AND BATTERIES DISPOSAL

Pursuant to "Directive 2002/95 / EC, 2002/96 / EC and 2003/108 / EC on the restricted use of hazardous substances in electrical and electronic equipment, as well as waste disposal", the crossed bin symbol on the appliance or its packaging indicates that the product at the end of its life cycle must be collected separately from other waste. The separate collection of this appliances end of product life cycle is organized and managed by the manufacturer. The user who wishes to dispose of this equipment must contact the manufacturer and follow the system that it has adopted to allow separate collection of end product. Appropriate collection for the subsequent forwarding of the decommissioned product to recycling, treatment and environmentally compatible disposal helps prevent negative impact on the environment and health and promotes the reuse and / or recycling of materials making up the device.

Illegal dumping of the product by the owner involves the application of administrative sanctions provided by law.

The marking on the battery or its documentation or packaging indicates that the batteries in this product should not be disposed of with other common household waste at the end of its life cycle. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EU Directive 2006/66. If the battery is not properly disposed of, these substances can cause harm to human health or the environment.

7 - CONFORMITY

1Control SOLO MINI, 1Control SOLO LITE, 1Control SOLO e 1Control SOLO EVO were built in compliance with the technical standards and directives in force on 14.01.2020 and can be consulted at this direct link to the Declaration of Conformity: www.1control.eu/conformity

Brescia 14.01.2020, Legal representative, Marco Streparava