

CONTROL DEVICES WITH A REMOTE CONTROL

The product contains batteries described in Directive 2013/56 / WE, which can not be disposed of with other household waste.

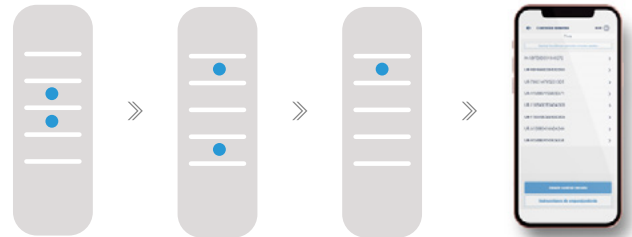
Avoid mechanical damage. Batteries can explode or cause burns if they are damaged (e.g. crushed), or exposed to fire or high temperature.

Use only LR03 / AAA alkaline batteries. Do not mix old and new batteries, do not charge.



- a) press and hold (together) for about 2 seconds the central buttons of the remote control: ② and ③ - the LED will blink
- b) press and keep pressed (together) for about 3 seconds the buttons of remote control: ④ and ① - the LED will blink faster
- c) briefly press the remote control button ① to enter to the pairing mode - the LED will be permanently illuminated
- d) within a maximum of 20 seconds, in the controller settings menu, please press the "Add remote control" button. The correct pairing will be confirmed by the proper message.

An error in the previous procedure will be signaled by fast blinking of the LEDs. In this case you need to repeat the procedure from the beginning.



## 1 GENERAL INFORMATION

- The simpleRemote remote control has four function buttons and a blue LED indicator. It is powered by two LR03 / AAA alkaline batteries, allows you to control up to 7 BleBox WiFi controllers.
- The remote control communicates directly with devices - no router is required. The communication of the remote control is bidirectional, the user receives feedback information about the execution of the command of the controller by the LED diode. Fast blinking of the LED indicates an error - e.g. in a situation where one of the controlled controllers has not confirmed the receipt of the control command (out of range).
- To replace the battery, unscrew the three screws at the bottom side of the housing and carefully separate the elements. When inserting new batteries, pay attention to the polarity - the smaller spring is the positive pole, the larger the negative one. Use only alkaline batteries, it is not allowed to use zinc-carbon batteries or rechargeable NiCd / NiMH batteries. After assembling the housing, tighten the screws without using too much force.

## 2 PAIRING

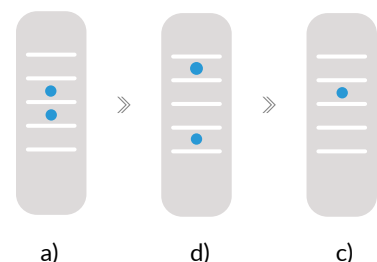
- Pairing is a procedure aimed at creating a safe connection between the remote control and the controller.
- You need to prepare the controller which is to be paired to the remote control, by connecting to the phone with the application wBox and going to the settings menu and next:

## 3 UNPAIRING

The unpairing is a procedure aimed at removing the connection between the remote control and the controller.

The remote control can be unpaired from the controller using two methods, depending on the situation:

- **Method 1** - remove the remote control from the list of "remote controls" in the particular controller. This is a standard method in case we have access to the particular controller but we do not want to control it anymore with the remote control. In the wBox app in the controller settings, in the "remote controls" section, delete the determined remote control from the list. The controller from now on will not respond to the commands of the remote control, while the remote control at the first attempt to control, will automatically remove the association with the device and will signal the error by fast blinking of the LED.
- **Method 2** - remove the controller association in the remote. This method is recommended when we don't have access to the controller, and we want to clear the memory of the whole group. Follow the pairing procedure in accordance with points a) - b) However, in point c), instead of pressing the button ①, it is necessary to press and keep pressed the button ②. The control remote immediately unpair from all the controllers in this group and will not be able to control them anymore. It should be noted that in the controller settings, in the "Remote controls" section, the given pilot will still be visible in the device list.



## 4

## CHANGING DEFAULT KEY FUNCTIONS

- It is possible to change the default actions of the wBox controller performed after pressing a given button on the remote control. Connect to a given controller with a phone with the the wBox application and go to its settings menu. In the "Remotes" section, select a given remote, then go to its action, where you can change the type of action for the selected key ① - ③.
- Changing the default actions enables independent control of e.g. three controllers by assigning individual buttons to the specific controllers. To do this, on the first controller, after pairing the remote, set the action only for the first button - for the other buttons select "none". On the second controller, after pairing the remote control, set the action only for the second button and for the other buttons select "none". Sequentially pair further devices, assigning actions only to the selected button. Remember that all independently controlled devices must be within the range of the remote control, because control commands are sent to all paired devices but individual devices will only respond to the buttons assigned to them.

The ④ button is currently not configurable.

## 5

## SECURITY

## Ultra-safe communication

- Pilot simpleRemote uses cryptographic technologies used in banking, many times more effective than those currently used, including two-way key negotiation, confirmation communication and encryption using elliptical curves.

## TECHNICAL SPECIFICATIONS

number of buttons	4
number of groups	1
signaling	LED RGB
number of connected devices per channel	7 simultaneously / 3 independently
battery life	up to 3 years
mounting bracket	magnetic, magnet, screw and expansion plug included
charging	148 x 46 x 16 mm
dimensions	72 grams, with batteries
power supply	2x LR03/AAA alkaline battery
housing	high quality white ABS plastic
controller operating temperature	from -20°C to +50°C
radio frequency	2.4 GHz

transmission protocol	µWiFi
transmission type	with confirmation, encrypted
range	up to 100 m in open spaces, up to 40 m. in buildings (depending on the construction and terrain)
encryption	set of 512-bit keys, with use of elliptic curves and key negotiation for each transmission

## ADDITIONAL INFORMATION

## UPDATING THE SOFTWARE

Prepare the remote control for updating by pairing it with the controller. Next connect to the controller with the phone by using the wBox application and go to its settings menu.

If a new version of the software is released, the update icon will appear in the "Remote controls" section of the remote control. Clicking on the icon will appear an appropriate with the message about the possibility of updating the software in the remote control. Then is necessary within a maximum of 30 seconds, induce the remote control into the update mode following the remote control pairing procedure in accordance with points a) - b). However, in the point c), instead of pressing the button ①, it is necessary to press the button ③ for a long time (about 8 seconds). The LED will light up on the remote controller and will lit for the entire duration of the update (about 3 minutes).

After successful update, the diode will immediately turn off. If the LED blink - an error has occurred, then repeat the whole procedure.

## DEFAULT BUTTON REACTION DEPENDING ON THE CONTROLLED PRODUCT

device	button ①	button ②	button ③
shutterBox shutterBoxDC shutterBox DIN rollerGate	open	stop	close
gateBox, gateBox PRO	first output	second output	lack
doorBox, doorBox PRO	open	lack	lack
switchBox switchBox LIGHT switchBoxDC switchBox DIN	switch on	change the output state	switch off
switchBoxD switchBoxD DIN switchBoxD DC DIN	change the output state 1	change the output state 2	change the state of both outputs

wLightBox wLightBox Pro pixelBox	switch off / switch on (last)	set blue color	set relax effect
dimmerBox wLightBoxS wLightBoxS Pro	increase by 33%	switch off / switch on (last)	decrease by 33%
saunaBox saunaBox Pro	switch off / switch on (last)	increase by 5°C	decrease by 5°C
thermoBox	switch on/ switch off (last)	increase by 0.5°C	decrease by 0.5°C
actionBoxS proxiBox	short click	long click	falling edge (change of state)
actionBox	short press input 1	short press input 2	short press input 3
switchBoxT PRO	change the state of the output 1	change the state of the output 2	change the state of the output 3
dacBoxD DC	switch off / switch on (last)	increase brightness by 10% for both channels	decrease brightness by 10% for both channels

for more information visit our website

[www.blebox.eu](http://www.blebox.eu)

or send us an email to: [info@blebox.eu](mailto:info@blebox.eu)

support is available at [support@blebox.eu](mailto:support@blebox.eu)

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