simpleremote
universal remote control

((·)) Control with the μWiFi technology

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

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:

a) press and hold (together) for about 2 seconds the central buttons of the remote control: (2) and (3) - the LED will blink
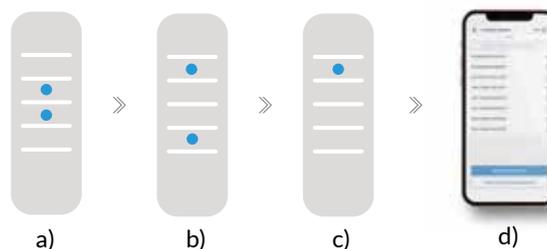
b) Press and keep pressed (together) for about 3 seconds the buttons of remote control: (4) and (1) - the LED will blink faster.

c) Priefly 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, pleasepress the "Add remote control" button. The correct pairing will be confirmed by the proper message.
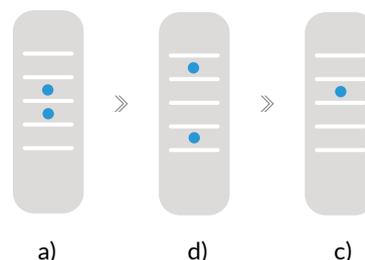
An error in the previous procedure will be signaled by fast blinking of the LEDs. In this case you need to repeat the procedure from the beginning.

a)   »   b)   »   c)   »   d)

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 unpairfrom 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.podrá controlarlos. Cabe señalar que en la configuración del controlador, en la sección de "controles remotos", dicho mando seguirá siendo visible en la lista de dispositivos.

a)   »   d)   »   c)

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) - (4).

- If the button (4) is not visible, the wBox application and controller firmware should be updated.

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	boton①	boton②	boton③
shutterBox shuterBoxDC rollerGate	up	stop	down
gateBox	first output	second output	without
doorBox	open	without	without
dimmerBox	increase by 33%	switch off / switch on (last)	decrease by 33%
switchBox switchBoxDC	switch on	change the output state	switch off
switchBoxD	change the output state 1	change the output state 2	change the output state
wLightBox	switch off / switch on (last)	set blue color	set relax effect
wLightBoxS	increase by 33%	switch off / switch on (last)	decrease by 33%
saunaBox	switch off / switch on (last)	increase by 33%	decrease by 33%

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
signaling	LED diode
number of connected devices / channel	7
mounting bracket	magnetic, screw and expansion plug included
dimensions	148 x 46 x 16 mm
weight	72 grams, with batteries
power supply	2x LR03 / AAA alkaline battery
housing	high quality white ABS plastic
controller operating temperature	do -20°C do +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

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support is available at support@blebox.eu

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