

The device scans a key with the Keyless-GO system, remembers the codes and issues commands to the car to disarm it and opening, arming and closing *Works with all cars with the KeylessGO system and key radio channel frequencies 433Mhz and 315Mhz since 2010.*

Number of scanned codes – 10 (open 5 times and close 5 times)

For the FBS4 system, the device works as a remote control.

For FBS3 system - the device only works with the Keyless-GO system (requires touching the door handle)

*Important! If, after scanning the key and a set of codes, the original key was used to open/close the car, then the scanned codes in the device become **irrelevant** and a new key scan is required.*

## 1. Operation of the device

The operation of the device consists of three stages:

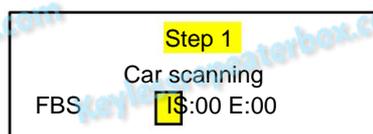
- mode "I" - scanning the machine and remembering its identifier (ID)
- mode "S" - search and scan the key
- mode "E" - key emulation

### 1.1 Mode "I" - scanning the machine

While holding down the red button, turn on the power to the device.

When the red device status indicator lights up, release the button.

The following messages will appear on the display:



In this mode, the device waits for the car to touch the door handle to wake it up and then receive Machine ID. As soon as the vehicle ID is received and stored, the device enters the key search and scanning mode – "S" mode.

If the car has a Keyless Start system, and not Keyless\_GO, the doors can only be opened and disarmed using the buttons on the key. There are no Keyless Go antennas in the doors, there are no buttons on the door handles (common on W213 models). There is only a "Start/Stop" button to start the engine.

In this case, you can get the machine ID as follows:

Place the RCS near the car and wait for the owner to press the button on the key to lock the car.

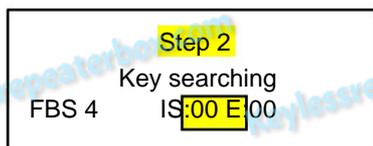
The distance from the RCS to the key can be up to 40m.

RCS will capture and store the Vehicle Identification Code (Car\_ID) in memory and enter the key search and scanning mode – "S" mode.

### 1.2 Mode "S" – searching and scanning the key

The device status indicator will turn green .

The following messages will appear on the display:



FBS 3 or FBS 4 – shows the type of Keyless-GO system of the machine

As soon as a key with an identifier from a car comes within the range of the device's antenna, was entered into memory at the previous step, scanning of the key codes immediately begins and storing them in memory. The code counter on display S:00 shows the number of received codes key (there should be 10 in total). When this value is reached, scanning stops and the device switches to key emulation mode – mode "E".

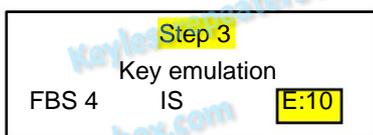
*Note: If during the scanning of codes, the key leaves the antenna coverage area and the code set is no longer possible and the code counter has not reached 10, the dialed codes will also can be used to emulate a key, but only the number of openings/closings will be less than 5. If the number of scanned codes is sufficient for emulation, the device status indicator will blink green.*

*To switch from this mode to the "E" mode - key emulation and use scanned codes, you must simultaneously press and hold down the red and green buttons for approximately 1 second - until the sound signal. The device status indicators will light up green and red simultaneously and the device will switch to key emulation mode.*

### 1.3 Mode "E" – key emulation

The green and red indicators of the device will light continuously

**For FBS4 mode** the following messages will appear on the display:



GREEN button – open the car (duplicated with the F2 button)

RED button – close the machine (duplicated with the F1 button)

The code counter on the E:10 display shows the number of key codes remaining for use.

Each time you press the "close the machine" or "open the machine" button, the counter decreases its value by 1 (if you press only the closing button or only the opening button, the counter will decrease by 2 values).

When the codes end and the counter shows E:00, the device status indicator will flash red/green, this means that you need to switch the device either to machine scanning mode, or – to the key search mode for the current ID.

**For FBS3 mode** the indication works similarly, but the GREEN and RED buttons do not work.

To open and close the machine, use the door handle.

## 2. Switching operating modes

The device remembers the operating mode and, when the power is turned on, always returns to the operating mode that was in place when the device was turned off.

The operating modes of the device can be switched from mode "E" to mode "S" or mode "I" from mode "S" to mode "I"

Why do you need to switch modes:

1. All scanned codes have run out and a set of new codes is required, but on the same machine (ID is old)

**Switch to "S" mode** Turn off

the device, holding down the green button, turn on the power. Keep pressed until the indicator status will not light green .

2. You need to bind to another machine with a new ID. **Switch to "I" mode**

Turn off the device, holding

down the red button, turn on the power. Keep pressed until the indicator status will not light up red .

## 3. Working with device memory cells

The device has 10 memory cells that can remember any state of the device (for example, "E" mode with scanned key codes and car ID),

The stored state can be recalled at any time.

Writing to cell memory: "MODE" – "Cell N" – "Enter"

Recalling a cell from memory: "Cell N" – "Enter"

## 4. Bluetooth

The device duplicates the light indication of operating modes on a Bluetooth headset. The signal on the Bluetooth headset does not appear immediately, but after the time required to establish a connection between the device and the headset and can reach up to 60 seconds.

### Indication on the device according to the modes

Mode "I" – red indicator color - Mode "S" – green

*one short beep in the headset two short beeps in the headset*

indicator color - Mode "E" – red and green indicator

colors at the same time - three short beeps in the headset Key codes have run out - flashes red and green -

*one long beep in the headset*

## 5. Connecting the charger



3 indicators - RED during charging, when charging is complete the indicators turn GREEN

Charge a 3-cell battery (11.2v Li-Pol 3S)

## Entering the Service Menu

To enter the Service menu, perform the following sequence of actions:

1. The power of the device must be turned off
2. Press and hold the "y" button and turn on the power of the device
3. Keep the "y" button pressed until the display shows: "Release the button"
4. Release the button and use the "y", "y" buttons to select one of the following menu options and press "Enter"

- Admin Settings (Factory Menu – restricted access) - service menu, selection is not possible

- Display **brightness**

- change display brightness

- **Bluetooth pairing**

- pairing a Bluetooth headset with the device

- **Change PIN Code**

- change PIN code

\*) To exit the Service menu, turn off the power of the device

## Display brightness (change display brightness)

- Use the "y" and "y" buttons to adjust the brightness in 10% increments

- Use number buttons to quickly select brightness

the number "0" corresponds to the minimum brightness of 0%,

"1" – 10%, "2" – 20%, "3" – 30%..... "9" – 90%,

- To save the selected brightness value, press "Enter"

## Bluetooth pairing (pairing a Bluetooth headset with the device)

The display will show the following message: "Put your headset in pairing mode, wait for a message on device display"  
(Put the headset into pairing mode and wait for the message on the display)

The Bluetooth symbol will then appear on the display



- Put the headset into pairing mode.

How to put your headset into pairing mode is described in the headset user manual.

Most often, you need to press and hold a button on the headset until the indicator on it starts flashing.

Pairing the headset with the device may take some time, up to 3 minutes.

- Wait for the message on the display:



## Change PIN Code

The device is produced with a preset PIN code: **5577**. **Be sure to change the PIN code!**

This PIN can be changed in this menu. When entering this menu the following message will appear on the display:

**Old PIN: XXXX**

- indication of the current PIN code

**Enter New PIN: \_ \_ \_ \_**

- entering a new PIN code

Enter 4 digits of the new PIN code and press "Enter". The arrow button "y" is the erase button.

The message "Done" on the display confirms that the PIN code has been changed.

## Blocking the device with a PIN code

*The operation of the device can be blocked by a PIN code*

Sequence of actions to enable blocking:

1. The power of the device must be turned off.
2. Press and hold the "y" button, turn on the power of the device.
3. Keep the "y" button pressed until the message "PIN Code protection is Enabled" appears on the display.
4. Turn off and turn on the power of the device. Check the lock status.

**Once the PIN code is enabled, the device remains locked until the PIN code is entered.**

## Unlocking the device

When the device is in a locked state, a message and a running arrow appear on the display.

**- Dial 4 digits PIN code and press "Enter"**

*The entered numbers appear on the display.*

*You can dial more than 4 digits, but only the first 4 digits are the PIN code. If you made a mistake when entering the PIN code numbers, simply turn off and turn on the power of the device. Re-enter your PIN and press "Enter"*

**If 10 attempts have been made to enter an incorrect PIN code, the device blocks PIN code entry for 30 minutes.**

**Do not turn off the power of the device, otherwise the counted lockout time will start again by 30 minutes.**

*The PIN code entry blocking status is indicated by an asterisk in the lower right corner of the indicator and the Recovery-Code is displayed next to it. After the 30-minute lockout has expired*

*After entering the PIN code, these messages disappear and 10 attempts to enter the PIN code are again given.*

*If you have forgotten your PIN, please provide this recovery code to your dealer.*

**Once the device is unlocked, it remains unlocked until it is turned on again.**

**blocking with a PIN code (pressed "y" button + power on).**

## Appearance of the device

