

One-channel Remote Control Radio 8101-1M Passport



1. Device description

1.1. Purpose

One-channel Remote Control Radio 8101-1M is designed to control remotely the executive devices of the Radio series, as well as executive devices of the Nero series (only with static code) using transcoder Nero 8361 UPM.

1.2. Specifications

Operating frequency range, MHz.....	433,05...434,79
Maximum power of emitted signal, not more than, mW.....	10
Number of control channels.....	1
Battery type.....	CR 2032
Battery voltage, V.....	3
Overall dimensions, mm.....	43×30×10
Operation temperature range, °C.....	from 0 to +40
Degree of enclosure protection.....	IP40

1.3. Peculiarities

- pocket-sized device;
- step-by-step control («UP-STOP-DOWN-STOP...» commands are executed circle-wise);
- transmission of control commands with static or dynamic code. **Factory setting – dynamic code.**

When controlling the executive device in static mode, the remote control signal may be copied by an attacker, thus allowing him to control your object (roller shutter, barrier, gate). In dynamic mode, there's no possibility to copy and hack the device. Dynamic transmission of the radio remote control is supported only by devices released after year 2015. For more information see User Manual, apply to manager or to the technical support service, the telephone number of which you can find on the manufacturer's website.

2. Programming

Action	Indication
Recording the remote control channel into the memory of the executive device	
1. Start the programming mode in the executive device (see Manual for the corresponding device). 2. Record the remote control: a) with dynamic code: press the remote control button and hold it for more than 2 seconds. b) with static code: briefly press the remote control button.	Confirmation of record on the executive device depends on type of the device and programming mode: short-long-short green flash on the indicator or long-term movement «DOWN», short-term «UP-DOWN» movement and long-term «UP» movement of the roller shutter.
! If the remote control is not recorded, it means that the executive device supports only the static transmission code. Please change operation mode to the static one.	
Changing the remote control code: selection of dynamic or static code	
1. Press the remote control button 4 times in a row, then press one more time and hold for more than 4 sec. Pressing interval should be not more than 1 sec. 2. To change the operation mode press the remote control button and hold for more than 1 sec. Radio codes are switched circle-wise every time you press the remote control button.	1. After the last pressing, the indicator blinks off and starts blinking with an interval of 1 sec. 2. The indicator blinks: - single flash — static code; - double flash — dynamic code (factory operation mode); - triple flash — dynamic code with high range.
! The remote control will exit the programming mode after 16 seconds of inactivity.	
Delete the remote control from the memory of the executive device	
1. Start the programming mode in the executive device (see Manual for the corresponding device). a) Delete the remote control in dynamic mode: 1) start the programming mode (press remote control button 3 times in a row, then press it one more time and hold for more than 4 sec. Pressing interval should be not more than 1sec.); 2) press the remote control button and hold for more than 1 sec. b) Delete the remote control in static mode: press the remote control button and hold for more than 1 sec.	a) After the last pressing, the indicator starts blinking quickly; b) Remote control indicator lights steadily. Indication on the executive devices is the same for both modes (depends on type of the device and programming mode): one long-term red flash or long-term «DOWN-UP» movement of the roller shutter.
! Attention! If the static operating mode was previously enabled on the remote control, then when entering the programming mode, the remote control will automatically change the static operating mode to the dynamic one.	

3. Distance Programming Mode (DPM)

DPM from the preprogrammed remote control	
Action	Indication
<p>1. Start DPM on the executive device from the preprogrammed remote control: enter remote control programming mode, press remote control button and hold it for more than 4 sec, after «DOWN-UP» movement of the roller shutter curtain release and press short remote control button two times.</p> <p>2. In the DPM the following actions can be carried out:</p> <p>a) record of new channels of remote controls;</p> <p>b) deletion of channels of recorded remote controls from the memory of executive device;</p> <p>c) memory erasing: press and hold the button for more than 4 sec. in the programming mode;</p> <p>d) exit from the DPM: press short the remote control button with which entering to the DPM was carried out.</p>	<p>1. Roller shutter curtain will make a short-term movement «DOWN-UP» once, and after 5 sec. by repeated short-term movement «DOWN-UP» it will confirm entering in the DPM.</p> <p>2. Indication on the drive unit:</p> <p>a) Roller shutter curtain will make long-term movement «DOWN», short-term movement «UP-DOWN», and long-term movement «UP».</p> <p>b) Roller shutter curtain will make long-term movement «DOWN-UP».</p> <p>c) Roller shutter curtain will make long-term movement «DOWN-UP» twice.</p> <p>d) Roller shutter curtain will make short-term movement «DOWN-UP» twice.</p>

4. Current maintenance

Repair is made within the warranty period. Maintenance is carried out by the manufacturer's dealer or by the manufacturer himself.

5. Storage and transportation, service life

The devices should be stored in packing at temperatures from +5°C to +40°C and relative humidity of not more than 80% in heated and vented warehouses, in air-conditioned depots without corrosive contaminants, conductible dust, acid and alkali vapors and gases causing corrosion and insulation breakdown. During storage, sharp fluctuations in temperature (more than 3°C/min) and humidity (more than 5%/min) are not allowed.

The devices should be transported packaged, in containers, closed railway cars, heated and air-tight compartments of aircraft and holds and by trucks with rain and snow protection for any distances at temperatures from -50°C to +50°C and relative humidity not more than 100% - at 25°C. When transporting items, protection against dust and atmospheric precipitation must be provided.

Average service life of the device is at least 5 years.

6. Disposal

At the end of the service life the device is subject to disposal in accordance with the legislation of the country where the item is used. The device does not pose a hazard to human health and environment. The device does not contain any non-ferrous and precious metals. Waste batteries should be disposed separately from mini remote controls.

7. Manufacturer's warranty

Guaranteed storage life is 6 months from the manufacturing date (the last 6 figures in the product serial number, for example: 191117 - November 19, 2017).

Guarantee service life is 24 months from the date of sale.

Without the sale indicating mark – from the manufacturing date.

Warranty obligations cease in case of non-observance of operating conditions established by the manufacturer and mechanical damage during operation. Warranty obligations do not apply in case of failure to present the device passport.

8. Package contents

Remote Control Radio 810 1-1M.....	1 pc.
Passport.....	1 pc.
Individual packing.....	1 pc.

9. Acceptance Certificate

Remote Control Radio 810 1-1M (see serial number on the first page) is manufactured in conformance with RB TR 100376351.002-2003, is approved by QCD and is classified as fit for operation.

10. Potential failures

Failure	Probable reason	Failure elimination
The remote control is not recorded in the executive devices.	<p>1. Battery has run down (LED is off or blinks when pressing the remote control).</p> <p>2. The remote control operates in dynamic mode.</p>	<p>1. Change battery.</p> <p>2. Change the operation mode from dynamic to static one.</p>

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