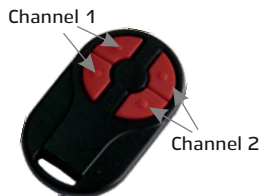


Two-channel Remote Control Radio 8101-2M Passport



1. Device description

1.1. Purpose

Remote Control is designed to control remotely the executive devices of the Radio series, as well as executive devices of the Radio series 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.....	2
Battery type.....	CR2032
Battery voltage, V.....	3
Overall dimensions, mm.....	40×67×10
Operation temperature range, °C.....	from 0 to +40
Degree of frame protection.....	IP40

1.3. Peculiarities

Remote Control has three operation modes:

- step-by-step control («UP-STOP-DOWN-STOP» commands are executed circle-wise for every channel);
- differential control for every channel (definite command «UP» or «DOWN» is transmitted by pressing the button);
- compound control (differential control – for the first channel and step-by-step control – for the second one);
- transmission of control commands with static or dynamic code. **Factory setting – dynamic code.**

When controlling the executive device in static mode, it is possible to copy the remote control signal by an attacker, which will allow him to control your object (roller shutter, barrier, gate). The possibility of copying and hacking is excluded in dynamic mode. Dynamic transmission of the radio remote control is supported only by devices released after 2015. More information you can find in manual for device, and applying to manager or 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. Input the executive device in the programming mode (see manual for the corresponding device). 2. Record the control channel of remote control: a) with dynamic transmission code: press and hold the recordable channel button, and press short any other; b) with static transmission code: press short the recordable channel button.	Confirmation of record on the executive device depends on the programming type and 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.
! The executive device supports only the static transmission code if the remote control is not recorded.	
Changing the remote control code: selection of dynamic or static code	
1. Press and hold any remote control button, and press short the second button. Do not release the first button until the end of programming. 2. Change the transmission type: press short any other remote control button. The control transmission type is switched circle-wise each time you press the second button.	1. The indicator blinks off for 2 sec. Then the indicator of the remote control blinks red: - single flash – static code; - double flash – dynamic code (factory operation mode); - triple flash – dynamic code with high range.
Changing the operation modes of the remote control channels	
1. Enter into the mode of changing of the remote control settings: press sequentially the four buttons of the remote control and hold them together for more than 4 sec. (the remote control is in the mode of changing the settings for 16 sec., then output will carried out automatically). 2. Changing the operation mode of the remote control: press and hold one button of the remote control and press short any other. The modes are switched circle-wise each time you press the combination of buttons.	The indicator of the remote control blinks red: - single flash – step-by-step control for every channel; - double flash – differential control for every channel; - triple flash – compound control (differential control – for the first channel and step-by-step control – for the second one).
Delete the remote control channel from the memory of the executive device	
1. Input the executive device in the programming mode (see manual for the corresponding device). 2. Delete the control channel: a) with dynamic code: press and hold the erasable channel button, and then press any other for more than 1 sec. b) with static code: press and hold the erasable channel button for more than 1 sec.	Confirmation of deletion on the executive device depends on the programming type and mode: one long-term red flash or long-term «DOWN-UP» movement of the roller shutter.

3. Distance Programming Mode (DPM)

Action	Indication
DPM. The remote control should be programmed previously in the executive device.	
<p>1. Input the executive device into the DPM from the previously programmed remote control: press and hold the recorded channel button and any other button for more than 4 sec., then release both buttons and press short the recorded button twice during 5 sec. 2. You can perform the following actions when the executive device is input into the DPM:</p> <ol style="list-style-type: none"> record channels of new remote controls into the memory of executive device; delete channels of recorded remote controls from the memory of executive device; erase all memory of the executive device: press and hold the recorded channel button of the remote control and any other button for more than 4 sec. output the executive device from the DPM: press and hold the previously recorded channel button of the remote control, and then press short any other button. 	<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 the input in the DPM.</p> <p>2. Indication on the executive device:</p> <ol style="list-style-type: none"> Roller shutter curtain will make long-term movement «DOWN», short-term movement «UP-DOWN», and long-term movement «UP». Roller shutter curtain will make long-term movement «DOWN-UP». Roller shutter curtain will make long-term movement «DOWN-UP» twice. Roller shutter curtain will make short-term movement «DOWN-UP» twice.

4. Current maintenance

If during operation the device fault is detected it is necessary to call maintenance personnel. Within the warranty period servicing and repair are provided by the manufacturer dealer.

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.

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 of 100% at 25°C.

Average service life is 5 years min.

6. Disposal

At the end of the service life the device is subject to disposal. 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.

10. Potential problems

Problem	Probable reason	Fault elimination
The remote control is not recorded in the executive devices.	<ol style="list-style-type: none"> Battery has run down (LED is off or blinks when you press the remote control). The remote control in dynamic mode is not recorded in the executive devices which support only static transmissions. 	<ol style="list-style-type: none"> Change battery. Change the operation mode from dynamic to static one.

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.

With the note of sale absent – 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 cover the case of failure to present the device passport.

8. Completeness

Remote Control Radio 8101-2M 1 pc.
 Passport 1 pc.
 Individual packing 1 pc.

9. Acceptance certificate

Remote Control Radio 8101-2M (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.



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