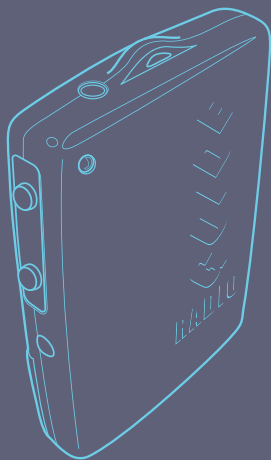


**Radioguide®**

**RADIOGUIDE**

Broadcast Communication Equipment

**USER MANUAL**



Advanced Russian Technologies



# Radioguide

## INTENDED USE

The equipment package “Radioguide” is designed to run group excursions – it includes comfortable individual receivers for tourists, a guide kit (for a tour guide, accompanying person, or tour leader), as well as accessories for charging and storage of the equipment.

The equipment “Radioguide” features long-life rechargeable batteries and earphones – it allows to avoid costs for additional consumables and makes the system more durable and reliable.



# COMPONENT PARTS

The product includes the following components:

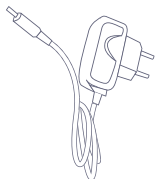
**transmitter**



**microphone headset for the transmitter**



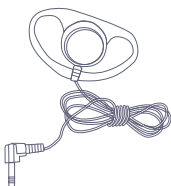
**transmittercharger**



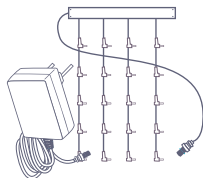
**receivers**



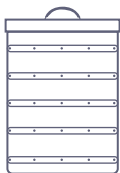
**earphones**



**charger and power supply unit**



**plastic board**





**bag for receivers**














**bag for earphones**



 Choice of colors  
 Optional extras

## MAIN TECHNICAL CHARACTERISTICS

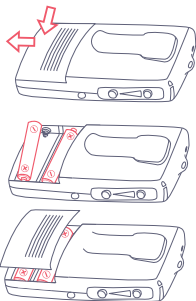
	Frequency range of the transmitter, MHz	<b>2400 – 2483</b>
	Emission bandwidth of the transmitter at the level of -20dB, MHz	<b>1</b>
	Output power of the transmitter, MW	<b>10</b>
	Power voltage of the receiver transmitter, V, in the range of	<b>2.3 – 3.2</b>
	Consumed power of the receiver, mA	<b>35</b>
	Consumed power of the transmitter, mA	<b>100</b>
	Dimensions of the receiver (transmitter), mm	<b>90,7x61x22</b>
	Weight of the receiver (transmitter), without batteries, g	<b>46</b>
	Time of continuous work time of the receiver from the power supply unit, hours	<b>40</b>
	Time of continuous work time of the transmitter from the power supply unit, hours	<b>8</b>
	Operating range of the transmitter radiofrequency signal (subject to conditions), m	<b>Up to 150</b>

## PRESTARTING PROCEDURES

Before using the device, install rechargeable batteries of the type AAA with a capacity of 850mAh in the compartments of the receiver and transmitter.

### To install rechargeable batteries:

- 1 slightly press the cover of the battery compartment of the receiver (transmitter) and move it downwards.
- 2 Insert the batteries observing the polarity – place the negative contact against the spring.
- 3 close the cover of the battery compartment.



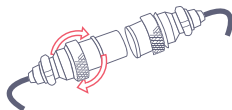
It is strictly forbidden to insert batteries of different capacity in one device – it may result in damage to the device, failure of batteries, fire, or injury.



Before using the device, it is necessary to charge the batteries inserted in the compartments of the transmitter and receivers.

## PROCEDURE FOR CHARGING

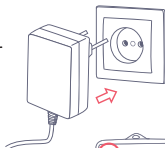
- 1 Connect the power supply unit to the charger by turning the screw nut on the connector.



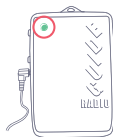
- 2 Insert the jack plug into the port located on the left side of the receiver (transmitter) casing, below the buttons. The charger is designed for simultaneous charging of 1-20 receivers or transmitters.



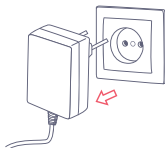
- 3 Connect the power supply unit to the power network with a voltage of 220V, 50Hz. It is possible to connect the given power supply unit to the power network with a voltage of 100V-240V, 50Hz/60Hz.



- 4 Charge indication (green LED is lit) is enabled during 20 seconds after power supply or immediately after pressing any button.



- 5 When the charge time is over, unplug the power supply unit of the charger from the power network. The time for the full battery charging is 9 hours.



- 6 After the transmitter has been plugged for charging, press the upper button on it. The LED must be green.

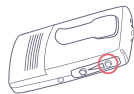


## WORKING WITH THE DEVICE

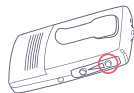
To form the groups, it might be required to “tie” the receivers to the transmitter.

### For binding:

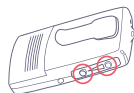
**1** Turn on the transmitter to which the receivers must be connected (press the upper button for 0.5 sec)



**2** Press the upper button of the transmitter again and hold it.



**3** On the receiver, simultaneously press and release both buttons – the receiver must accept the adjustment command from the transmitter and go to the working channel following which the LED on the transmitter becomes lit in red constantly. The working channel data (frequency number and transmitter code) are memorized in the energy-independent memory.



**4** To make sure that the connecting has been successfully completed, turn off (with the lower button) and turn on (with the upper button) the transmitter and monitor the indication of receivers – when the transmitter is turned on, the LED is lit constantly; when the transmitter is turned off - it is flashing rapidly.

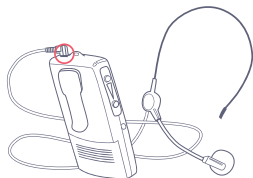




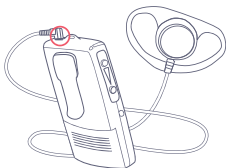
## OPERATING THE DEVICE

To guide a tour:

- 1 Insert the jack plug of the headset in the port on the upper side of the transmitter.



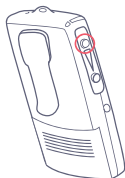
- 2 Insert the jack plug of earphones as far as it can go in the port on the upper side of the receiver.



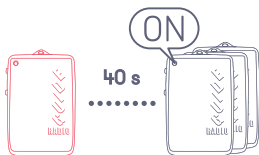
- 3 If necessary, adjust the volume using the buttons on the left side of the receiver: upper button – “volume up,” lower button – “volume down.”



- 4 Turn on the transmitter by pressing the upper button for 0.5 sec.








- 5 Receivers turn on immediately after pressing any button or automatically during 40 seconds upon actuation of the transmitter.






- 6 Receivers are turned off automatically in case there is no signal from the transmitter during more than 10 minutes.

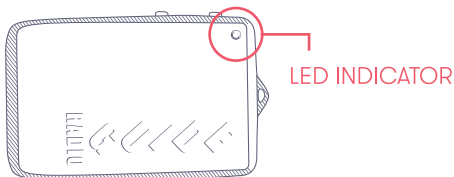


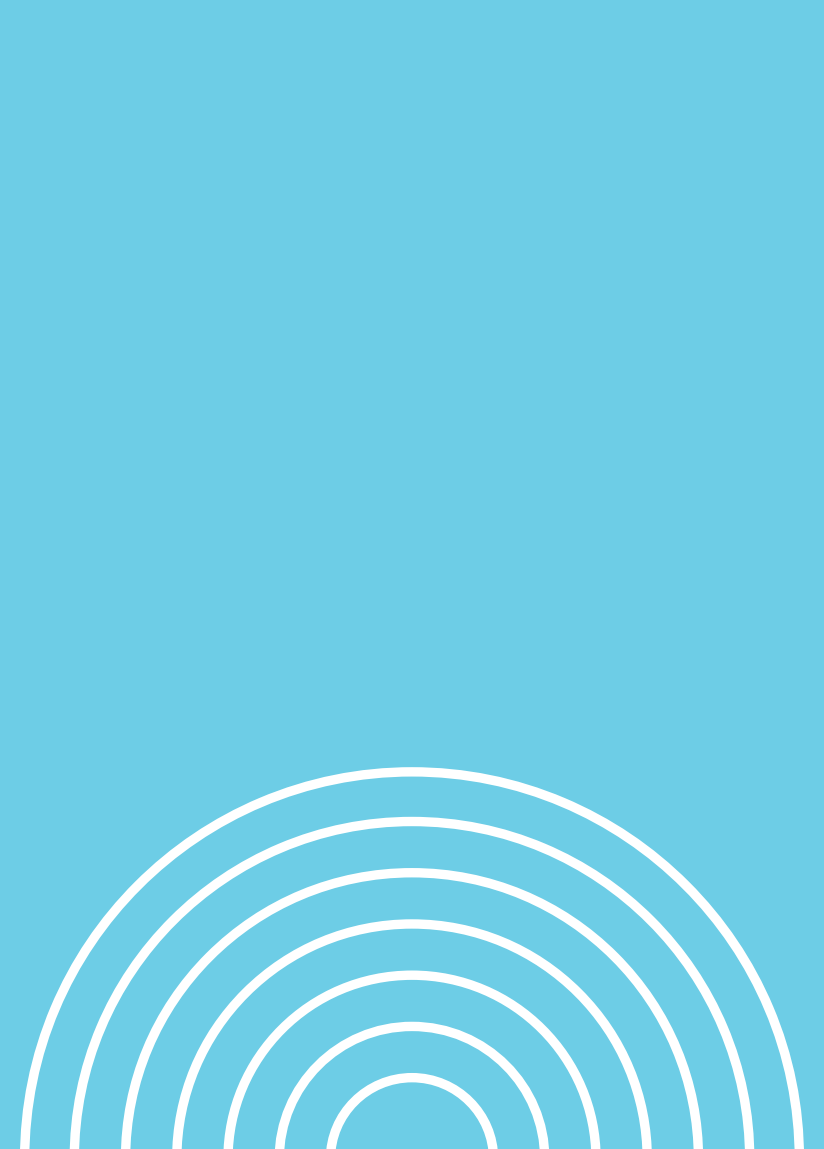
## INDICATORS OF OPERATING MODES OF THE RECEIVER

Operating Mode	LED state
Turned off	 not lit
Charging	 lit green
“Tying” mode	 slowly flashing red
Turned on, receives signal from the transmitter	 Is lit in red
Turned on, no signal from the transmitter	 rapidly flashing red

## INDICATORS OF OPERATING MODES OF THE TRANSMITTER

Operating Mode	LED state
Turned off	 not lit
Charging	 lit green
Turned on	 lit red





# Radioguide®

Should you have any questions related to the impossibility of using the Products in accordance with their functional capabilities, we strongly encourage you to contact the service centers. You can find addresses and telephone numbers on the following web sites:

**[www.radioguide.net](http://www.radioguide.net)**

**[www.radio-guide.ru](http://www.radio-guide.ru)**

You can also call the help desk number

**+7 (812) 642 42 40** (24 hours a day)

or send us a message to the following email address:

**[work@radio-guide.ru](mailto:work@radio-guide.ru)**



Made in Saint Petersburg