mikroTIK RBLHG-2nD Wireless Network Device User Guide

RBLHG-2nD Wireless Network Device
User Guide

Quick Guide G4
Models: RBLHG-2nD (LHG 2), RBLDF-2nD (LDF 2), RBSXTsq2nD (SXTsq Lite2), RBLHG-2nD-XL (LHG XL 2)

Contents

RBLHG-2nD Wireless Network Device

Quick Guide:

This device needs to be upgraded to RouterOS v6.49.1 or the latest version to ensure compliance with local authority regulations!
It is the end users' responsibility to follow local country regulations, including operation within legal frequency channels, output power, cabling requirements, and Dynamic Frequency Selection (DFS) requirements. All MikroTik radio devices must be professionally installed
This is Wireless Network Device. You can find the product model name on the case label (ID).

https://mt.lv/um

Please visit the user manual page on https://mt.lv/um for the full up-to-date user manual. Or scan the QR code with your mobile phone.
The most important technical specifications for this product can be found on the last page of this Quick Guide.
Technical specifications, brochures, and more info about products at https://mikrotik.com/products
Configuration manual for software in your language with additional information can be found at https://mt.lv/help
MikroTik devices are for professional use. If you do not have qualifications please seek a consultant https://mikrotik.com/consultants
Depending on the antenna used, you must set its gain. This is to ensure that EIRP meets the limit set by the local authorities. This is done in the Web Fig Quickset menu.
This Device accepts input of a 24V DC power adapter, which is provided in the original packaging of this device.
This Device can be powered using a PoE injector (Provided in the packaging).
First steps:

- Connect the device to the included PoE injector with Ethernet cable;
- Connect the PoE injector into the PC;
- Connect the power adapter to the PoE injector;
- Download WinBox configuration tool https://mt.lv/winbox;
- Open WinBox and connect to the device;
- Default IP: 192.168.88.1, user name: admin, no password, or use Neighbors tab and connect with address (or, for some models, check user and wireless passwords on the sticker);
- Download the latest RouterOS software from https://mikrotik.com/download;
- Choose MIPSBE packages, and save them to your PC;
- Open WinBox and upload downloaded packages, drag and drop into any windows;

- Restart the device;
- Connect again and in the QuickSet menu set your Country, to apply country regulation settings;
- Secure your device and set a strong password.

Safety Information:

- Before you work on any MikroTik equipment, be aware of the hazards involved with electrical circuitry, and be familiar with standard practices for preventing accidents. The installer should be familiar with network structures, terms, and concepts.
- Use only the power supply and accessories approved by the manufacturer, and which can be found in the original packaging of this product.
- This equipment is to be installed by trained and qualified personnel, as per these installation instructions. The installer is responsible for making sure, that the Installation of the equipment is compliant with local and national electrical codes. Do not attempt to disassemble, repair, or modify the device.
- This product is intended to be mounted outdoors on a pole. Please read the mounting instructions carefully before beginning installation. Failure to use the correct hardware and configuration or to follow the correct procedures could result in a hazardous situation for people and damage to the system.
- We cannot guarantee that no accidents or damage will occur due to the improper use of the device.
  Please use this product with care and operate at your own risk!
- In the case of device failure, please disconnect it from power. The fastest way to do so is by unplugging the power adapter from the power outlet.

  Exposure to Radio Frequency Radiation: This MikroTik equipment complies with the FCC, IC, and European Union radiation exposure limits set forth for an uncontrolled environment. This MikroTik device should be installed and operated no closer than 40 centimeters from your body, occupational user, or the general public.
  Manufacturer: Mikrotikls SIA, Brivibas gave 214i Riga, Latvia, LV1039.

Note:
For some models, check the user and wireless passwords on the sticker.
Federal Communication Commission Interference Statement

FC This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Note: This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the

unit to ensure compliance.
Antenna Installation WARNING: It is the installer's responsibility to ensure that when using the authorized antennas in the USA (or where FCC rules apply); only those antennas certified with the product are to be used. The installer should configure the output power level of antennas, according to country regulations and per antenna type. Professional installation is required for equipment with connectors to ensure compliance with health and safety issues.
LIST OF APPROVED 2.4 GHz ANTENNAS:

- 21 dBi Parabolic Dish Antenna (MikroTik model: LHG XL-2)
- 18 dBi Parabolic Dish Antenna (MikroTik model: LHG-2)
- 10 dBi Dual Polarity, Directional Antenna (MikroTik model: LDF-2)
- 10 dBi Dual Polarity, Directional Antenna (MikroTik model: SXTsq-2)

  The same type of antenna and lower antenna gain than those listed above may also be used in accordance with certification.

Innovation, Science and Economic Development Canada

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.
This Class B digital apparatus complies with Canadian ICES-003.
CAN ICES-003 (B) / NMB-003 (B)
Antenna Installation WARNING: It is the installer's responsibility to ensure that when using the authorized antennas in Canada (or where IC rules apply); only those antennas certified with the product are to be used. The installer should configure the output power level of antennas, according to country regulations and per antenna type. Professional installation is required for equipment with connectors to ensure compliance with health and safety issues.
LIST OF APPROVED 2.4 GHz ANTENNAS:

- 21 dBi Parabolic Dish Antenna (MikroTik model: LHG XL-2)
- 18 dBi Parabolic Dish Antenna (MikroTik model: LHG-2)
- 10 dBi Dual Polarity, Directional Antenna (MikroTik model: LDF-2)
- 10 dBi Dual Polarity, Directional Antenna (MikroTik model: SXTsq-2)

The same type of antenna and lower antenna gain than those listed above may also be used in accordance with certification.
UKCA marking

CE Declaration of Conformity
WLAN
Operating Frequency / Maximum output power 2400-2483.5 / 20 dBm
This MikroTik device meets Maximum TX power limits per ETSI regulations. For more detailed information see Declaration of Conformity above

Technical Specifications

Product Power Input Options	DC Adapter Output Specification, (V/A)	IP class of the enclosure	Operating T
PoE In Ethernet Port	24 V / 0.38 A	IP54	-40°..+70°C

Documents / Resources

	mikroTIK RBLHG-2nD Wireless Network Device [pdf] User Guide RBLHG-2nD Wireless Network Device, RBLHG-2nD, Wireless Network Device, Network Device

References

- MikroTik Routers and Wireless - Buy
- MikroTik Routers and Wireless - Buy
- MikroTik Routers and Wireless - Support
- MikroTik Routers and Wireless - Software
- User Manual