



## MikroTik RB4011iGS+RM Ethernet Router User Manual

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### MikroTik RB4011iGS+RM Ethernet Router



The device is already configured with basic settings, you can simply plug in your ISP cable and start using the Internet. We recommend you set up a password to secure your device.

## Setup

- Connect your Internet cable to the first port, and local network PCs to the other ports.
- Choose your powering solution, please see the Powering section for possibilities.
- Set your computer IP configuration to automatic (DHCP).
- The default IP address from the local network is 192.168.88.1, open this address in your web browser to start the configuration. The username is admin and there is no password.
- We recommend clicking the “Check for updates” button and updating your RouterOS software to the latest version to ensure the best performance and stability. The device needs to have an active Internet connection.
- Set up a strong password for the device.

## Powering

The power consumption under maximum load can reach 33 W. The device accepts power from the power jack or from the first Ethernet port:

- Direct-input power jack (5.5 mm outside and 2 mm inside, female, pin positive plug) accepts 12-57 V DC.
- First Ethernet port accepts Power over Ethernet 18-57 V DC.

### Connecting to a POE Adapter:

1. Connect the Ethernet cable from the device to the POE port of the POE adapter.
2. Connect an Ethernet cable from your LAN to the LAN port of the POE adapter, please mind arrows for data and power flow.
3. Connect the power cord to the adapter, and then plug the power cord into a power outlet.

## Configuration

Once logged in, we recommend clicking the “Check for updates” button in the QuickSet menu, as updating your RouterOS software to the latest version ensures the best performance and stability. For wireless models, please make sure you have selected the country where the device will be used, to conform with local regulations.

RouterOS includes many configuration options in addition to what is described in this document. We suggest starting here to get yourself accustomed to the possibilities: <https://mt.lv/help>. In case an IP connection is not available, the Winbox tool (<https://mt.lv/winbox>) can be used to connect to the MAC address of the device from the LAN side (all access is blocked from the Internet port by default).

For recovery purposes, it is possible to boot the device for reinstallation, see section Buttons and jumpers.

## Mounting

The device is designed to use indoors and it can be mounted in a rackmount enclosure using provided rack mounts, or it can be placed on the desktop. Please attach rubber pegs on the bottom of the router if the desired placement is on the flat surface or use a Phillips screwdriver to attach rackmount ears on both sides of the device if designated use is for rackmount enclosure:



1. Attach rack ears to both sides of the device and tighten four screws to secure them in place;
2. Place the device in a rackmount enclosure and align with the holes so that the device fits conveniently;
3. Tighten screws to secure it in place.

The device has no protection from water contamination, please ensure the placement of the device in a dry and ventilated environment. We recommend Cat6 cables for our devices.

Mounting and configuration of this device should be done by a qualified person.

Operating humidity can be from 5% to 95% non-condensing.

## Extension slots and ports

The Ethernet ports are connected in two groups of five, each group is connected through a switch chip. The ports can be configured individually and support automatic cross/straightcable correction (Auto MDI/X), so you can use either straight or cross-over cables for connecting to other network devices.

- SFP+ port accepts SFP and SFP+ modules. Refer to the compatibility list [https://wiki.mikrotik.com/wiki/MikroTik\\_SFP\\_module\\_compatibility\\_table](https://wiki.mikrotik.com/wiki/MikroTik_SFP_module_compatibility_table)
- RJ45 console port for serial console access, set by default to 115200 bit/s, 8 data bits, 1 stop bit, no parity.

## Buttons and jumpers

The RouterBOOT reset button has the following functions. Press the button and apply the power, then:

- Release the button when the green LED starts flashing, to reset RouterOS configuration to defaults.
- Release the button when the LED turns solid green to clear all configuration and bridge all interfaces.
- Release the button after LED is no longer lit (~20 seconds) to cause a device to look for Netinstall servers (required for reinstalling RouterOS over the network).

Regardless of the above option used, the system will load the backup RouterBOOT loader if the button is pressed before power is applied to the device. Useful for RouterBOOT debugging and recovery.

## Operating system support

The device supports RouterOS software version 6. The specific factory-installed version number is indicated in the RouterOS menu /system resource. Other operating systems have not been tested.

## Accessories

Package includes the following accessories that come with the device:

- EU/US Switching Power Supply DC 24 V 1.5 A 36 W 87.4% VI 150 cm RA DC plug.
- K-60 fastening set. DIN965, M3x6.
- Mounting kit 4011 rm bracket.

Please visit wiki pages for MikroTik SFP module compatibility table:

[https://wiki.mikrotik.com/wiki/MikroTik\\_SFP\\_module\\_compatibility\\_table](https://wiki.mikrotik.com/wiki/MikroTik_SFP_module_compatibility_table)

## Federal Communication Commission Interference Statement

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.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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.

## Industry Canada

This device complies with Industry Canada's license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. CAN ICES-3 (B)/NMB-3(B)


## CE Declaration of Conformity

Manufacturer: Mikrotiks SIA, Brivibas gatve 214i Riga, Latvia, LV1039.

Hereby, Mikrotik SIA declares that the radio equipment type RouterBOARD is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://mikrotik.com/products>

**Note.** Information contained here is subject to change. Please visit the product page on [www.mikrotik.com](http://www.mikrotik.com) for the most up to date version of this document.

## Documents / Resources

	<a href="#">MikroTik RB4011iGS+RM Ethernet Router</a> [pdf] User Manual RB4011iGS RM Ethernet Router, RB4011iGS RM, Ethernet Router
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## References

- [▲ Collaboration software for software, IT and business teams](#)
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