



mikroTik CRS109 Routers And Wireless Network Device User Guide

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Mikrotik CRS109 Routers And Wireless Network Device



Product Information

This wireless network device is designed to provide internet connectivity. It supports multiple models including CRS109-8G-1S-2HnD-IN, CRS12524G-1S-2HnD-IN, RBmAP2nD (mAP), RBcAPL-2nD (cAP lite), RBcAP2nD (cAP), RB951Ui-2nD (hAP), RB951Ui2HnD, RB951G-2HnD, RB2011UiAS-2HnD-IN. For more information about the product, please visit the user manual page on <https://mt.lv/um>. You can also find technical specifications, brochures, and additional information about the product at <https://mikrotik.com/products>.

Product Usage Instructions

1. Ensure that your Internet service provider allows hardware changes and will issue an automatic IP address.
2. Connect your ISP cable to the first Ethernet port of the device.
3. Connect the device to the included power adapter.
4. Connect your computer to the wireless network.
5. Open <https://192.168.88.1> in your web browser to start the configuration.
6. Enter "admin" as the username (there is no default password).
7. Configure the device to establish an active Internet connection by referring to <https://mt.lv/configuration>.
8. Upgrade the RouterOS software to the latest version by visiting <https://mt.lv/upgrade>. The device will reboot.
9. Reconnect to the device and choose your country on the left side of the screen to apply country regulation settings.
10. Set up your wireless network password. The password must contain at least eight symbols.
11. Set up your router password in the bottom field to the right and repeat it. This password will be used for future logins.

Safety Information

- Before working on any MikroTik equipment, be aware of the hazards involved with electrical circuitry and familiarize yourself with standard practices for preventing accidents. The installer should have knowledge of network structures, terms, and concepts.

- Use only the power supply and accessories approved by the manufacturer, which can be found in the original packaging of this product.
- This equipment should be installed by trained and qualified personnel following the provided installation instructions. The installer is responsible for ensuring compliance with local and national electrical codes. Do not attempt to disassemble, repair, or modify the device.
- This product is intended for indoor installation. Keep it away from water, fire, humidity, or hot environments.
- We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and at your own risk.
- In case of device failure, disconnect it from power by unplugging the power adapter from the power outlet.

Exposure to Radio Frequency Radiation:

This MikroTik equipment complies with the European Union radiation exposure limits for uncontrolled environments. It should be installed and operated at a minimum distance of 30 centimeters from your body, occupational users, or the general public.

English Quick Guide:

This device needs to be upgraded to RouterOS v7.10 or the latest stable 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 installed according to instructions.

This Quick Guide covers models: CRS109-8G-1S-2HnD-IN, CRS125-24G-1S-2HnD-IN, RBmAP2nD (mAP), RBcAPL-2nD (cAP lite), RBcAP2nD (cAP), RB951Ui-2nD (hAP), RB951Ui- 2HnD, RB951G-2HnD, RB2011UiAS-2HnD-IN.

This is a wireless network device. You can find the product model name on the case label (ID).



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. Technical specifications, brochures, and more info about products at <https://mikrotik.com/products>. The most important technical specifications for this product can be found on the last page of this Quick Guide. Configuration manual for software in your language with additional information can be found at <https://mt.lv/help>

If you need help with configuration, please seek a consultant <https://mikrotik.com/consultants>

First steps:

- Make sure your Internet service provider is allowing hardware change and will issue an automatic IP address;
- Connect your ISP cable to the first Ethernet port;
- Connect the device to the included power adapter;
- Connect your computer to the wireless network;
- Open <https://192.168.88.1> in your web browser to start the configuration;

- User name: admin and there is no password by default;
- Configure the device, so it has an active Internet connection <https://mt.lv/configuration>;
- Upgrade the RouterOS software to the latest version <https://mt.lv/upgrade>;
- The device will reboot;
- Connect again and choose your country on the left side of the screen, to apply country regulation settings;
- Set up your wireless network password, the password must be at least eight symbols;
- Set up your router password in the bottom field to the right and repeat it, it will be used to log in next time.

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 installed indoors. Keep this product away from water, fire, humidity, or hot environments.
- 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 European Union radiation exposure limits set forth for an uncontrolled environment. This MikroTik device should be installed and operated no closer than 30 centimeters from your body, occupational user, or the general public.

Manufacturer: Mikrotik SIA, Unijas 2, Riga, Latvia, LV1039.

Note: For some models, check the user and wireless passwords on the sticker.

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 or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to 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.

Exposure to Radio Frequency Radiation:

This MikroTik equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This MikroTik device should be installed and operated no closer than 30 centimeters from your body, occupational user, or the general public.

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-003 (B) / NMB-003 (B)

UKCA marking

CE Declaration of Conformity

Operating Frequency / Maximum Output Power This MikroTik device meets Maximum transmit power limits per ETSI regulations. For more detailed information see the Declaration of Conformity above

Technical Specifications

- **Product Power Input Options:** DC Jack PoE In Ethernet Port
- **DC Adapter Output Specification, (V/A):** 24 V / 0.8
- **IP class of the enclosure:** IP20
- **Operating Temperature:** – 40°..+65°C

Technical Specifications

- **Product Power Input Options:** DC Jack (8-57 V DC)
- **DC Adapter Output Specification, (V/A):** 24 V / 0.8
- **IP class of the enclosure:** IP20
- **Operating Temperature:** -40°..+70°C

Technical Specifications


- **Product Power Input Options:** PoE In Ethernet Port (10-60 V DC)
- **DC Adapter Output Specification, (V/A):** 24 V / 0.2
- **IP class of the enclosure:** IP20
- **Operating Temperature:** -40°..+70°C

Technical Specifications




- **Product Power Input Options:** PoE In Ethernet Port (11-57 V DC)
- **DC Adapter Output Specification, (V/A):** 24 V / 0.2
- **IP class of the enclosure:** IP20
- **Operating Temperature:** -40°..+70°C

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Documents / Resources

	mikroTIK CRS109 Routers And Wireless Network Device [pdf] User Guide CRS109 Routers And Wireless Network Device, CRS109, Routers And Wireless Network Device, And Wireless Network Device, Wireless Network Device, Network Device
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References

-  [MikroTik Routers and Wireless - Products](#)
-  [MikroTik Routers and Wireless - Buy](#)
-  [MikroTik Routers and Wireless - Support](#)
-  [MikroTik Routers and Wireless - Products](#)