EN - English - Quick Guide:

> ⚠ *The chosen MikroTik host device for this mini PCIe card needs to be upgraded to RouterOS v7.3.1 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 devices must be professionally installed.*

This "LR2 mini PCIe card" series Quick Guide covers models: R11e-LR2.
This is a mini PCIe card. You can find the product model name on the 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
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

First Use:

- This mini PCIe card is designed to be installed in the MikroTik host products. Compatible MikroTik host products can be found at https://mikrotik.com/products/group/iot-products
- For the initial configuration and installation guide see the specific MikroTik host product's User Manual.

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.
- The product comes without enclosure and is meant to be installed into the MikroTik host device by trained and qualified personnel. For mounting instructions see the chosen MikroTik Host Product's Quick Guide. 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.
- 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.
- Keep this mini PCIe card 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!

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 20 centimeters from your body, occupational user, or the general public.

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

Federal Communication Commission Interference Statement

Model	FCC ID
R11e-LR2	TV7LR2

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 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.

Exposure to Radio Frequency Radiation: This MikroTik equipment complies with the FCC and IC radiation exposure limits set forth for an uncontrolled environment. This MikroTik device should be installed and operated no closer than 20 centimeters from your body, occupational user, or the general public.

OEM statement. This module is intended for OEM installations only. As such the OEM integrator is responsible for ensuring that the end-user has no manual instructions to remove install or modify the module. This module is limited to installations in mobile or fixed applications. OEM integrators may utilize antennas of an equal or lesser gain as appearing in the list in this document (reference 47 CFR, paragraph 15.204(c)(4) for further information on this topic. The MikroTik OEM RF Module complies with Part 15 of the FCC rules and regulations.

OEM Modules have been certified by the FCC for use with other products without any further certification (as per FCC section 2.1091). Separate approval is required for other operating configurations including portable configurations with respect to 47CFR paragraph 2.1093 and different antenna configurations. The OEM is required to comply with all 47CFR labeling instructions and requirements for the finished products.

Host product manufacturers that they need to provide a physical or e-label stating, "Contains FCC ID: TV7LR2" with their finished product.

The final host integrator must ensure there is no instruction provided in the user manual or customer documentation indicating how to install or remove the transmitter module except such device has implemented two-ways authentication between module and the host system.

The final host manual shall include the following regulatory statement: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.

Changes or modifications not expressly approved by MikroTik could void the OEM authority to install or operate the equipment. OEMs must test their final product to comply with unintentional radiators (FCC section 15.107 and 15.109) before declaring compliance of their final product to Part 15 of the FCC Rules.

Only those antennas with same type and equal or lesser gain filed under this FCC ID can be used with this device.

Antenna Model:	95XKAN15.GAE	TOF-2400-8V-4
Antenna Model:	MikroTik	MikroTik
Antenna type:	PCB omnidirectional	FRP omnidirectional
Antenna gain:	4.84 dBI	8.8888dBi

Innovation, Science and Economic Development Canada

Model	IC ID
R11e-LR2	7442A-LR2

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.

L’émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d’Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes: 1) L’appareil ne doit pas produire de brouillage; 2) L’ appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-003 (B) / NMB-003 (B)

The ISED certification label of a module shall be clearly visible at all times when installed in the host product; otherwise, the host product must be labelled to display the ISED certification number for the module, preceded by the word "contains" or similar wording expressing the same meaning, as follows:

Contains IC: 7442A-LR2

This radio transmitter [IC: 7442A-LR2] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna Model:	95XKAN15.GAE	TOF-2400-8V-4
Antenna Model:	MikroTik	MikroTik
Antenna type:	PCB omnidirectional	FRP omnidirectional
Antenna gain:	4.84 dBI	8.8888dBi