Roger Access Control System

Network License Key RLK-1

Operating Manual

Product hardware version: v1.0

Firmware version: v1.0.0.13

Document version: Rev. A

PURPOSE

The RLK-1 network license key is used when licensed versions of Roger software (VISO, RCP Master) are used. Communication with the RLK-1 key is encrypted using the AES128b CBC EtM method. The configuration of the computer network in which the key works and the License Server must ensure the possibility of communication via the TCP/IP protocol. RLK-1 is typically used when installing licensed software on virtual machines.

Note: The RLK-1 is supported starting from VISO v2.0.8 or RCP Master v4.0.10.

INSTALLATION

1. Connect the RLK-1 to power and Ethernet.
2. In your web browser, enter http://rlk1 or the default IP address 192.168.0.240.
3. Select *Configuration* at the top of the screen and configure parameters such as IP address, port, etc.
4. Download and install the RogerSVC software package from www.roger.pl.
5. During the installation, select the License Server component and, depending on the given system's requirements, other components of the package.
6. Start RogerSVC and click its icon in the Windows tray.
7. In the opened window, select the License service tile and configure the settings for the RLK-1 key by entering the address and port.
8. In the main window, select *Load license file* and indicate the previously ordered license file.
9. In the case of a multi-user system, additionally configure the IP address and port of the License Server itself so that it can be accessed by all workstations in the network.
10. Select the *Start* or *Restart* command.

DEVICE SETTINGS

The configuration of the hardware license key is performed via a web browser and includes the following settings:

Network Section Parameters

- Host Name: individual key name in the computer network
- DHCP: the option enables support for dynamic address allocation protocol
- IP Address: network address of the device
- Net Mask: network mask of the device
- Default Gateway: The gateway address of the device

License Server Section Parameters

- License Port: License Server port (RogerSVC)
- Enabled Client IP: IP address of the License Server (RogerSVC)

Web Section Parameters

- User Name: user login for logging in via the browser
- Web Port: port for logging in via the browser
- Web Password: the user's password for logging in via the browser
- Disable Web: the option disables logging in via a web browser

Note: Enabling the *Disable Web* option deprives the ability to configure the key via the web browser. Restoring configuration options requires resetting the device's memory.

MEMORY RESET

Resetting the device's memory erases the previous settings and restores the factory settings. There are two memory reset methods: setting dynamic IP address and setting static IP address.

Memory Reset Procedure – Dynamic IP Address

1. Put a jumper on the JP2 contacts and press the RESET button on the device.
2. Wait until the STATUS LED fast flashing.
3. Remove the jumper from JP2 and the device will assume the following default values:

- IP Address: -
- Netmask: -
- Gate: -
- Login: admin
- Password: roger
- http://rlk1

Memory Reset Procedure - Static IP Address

1. Put a jumper on the JP3 contacts and press the RESET button on the device.
2. Wait until the STATUS LED fast flashing.
3. Remove the jumper from JP3 and the device will assume the following default values:

- IP Address: 192.168.0.240
- Netmask: 255.255.255.0
- Gateway: 192.168.0.1
- Login: admin
- Password: roger
- http://rlk1

FIRMWARE CHANGE

The firmware of the device may be changed. The new firmware is uploaded via a web browser. Firmware change procedure:

1. Log in to the device via a web browser.
2. Select *Tools* at the top of the screen and select the firmware file.
3. Select *Execute* in the same section to start the upload.
4. After uploading, select *Execute* in the Restart Device section.

FRONT PANEL

LED Link	Not used
LED Status	On: normal operation of the device Fast flashing: configuration mode Slow flashing: configuration error
RESET	The RESET button restarts the device

SCREW TERMINALS

Name	Function
A, B	Not used
+12V	Power supply positive
GND	Power supply negative

PROGRAMMING JUMPERS

Jumper	Function
JP1	Not used

JP2	Memory reset – dynamic IP address
JP3	Memory reset – static IP address
JP4	Not used
JP5	Not used

TECHNICAL SPECIFICATIONS

Parameter	Description
Power supply	11…15VDC
Current consumption (average)	125mA
Port Ethernet	10/100Mb
IP	IP20
Environmental class (according to EN 50131-1)	Class I, indoor conditions, temp. +5°C…+40°C, relative humidity: 10...95% (non-condensing)
Dimensions WHD	85x62x73mm
Weight	~0,11kg
Certificates	CE; RoHS

COMMERCIAL DESIGNATIONS

Product	Description
RLK-1	Network license key

PRODUCT HISTORY

Version	Date	Description
RLK-1 v1.0	08/2023	First commercial product version

	This symbol placed on a product or packaging indicates that the product should not be disposed of with other wastes as this may have a negative impact on the environment and health. The user is obliged to deliver equipment to the designated collection points of electric and electronic waste. For detailed information on recycling, contact your local authorities, waste disposal company or point of purchase. Separate collection and recycling of this type of waste contributes to the protection of the natural resources and is safe to health and the environment. Weight of the equipment is specified in the document.

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