

PCV Config Manual

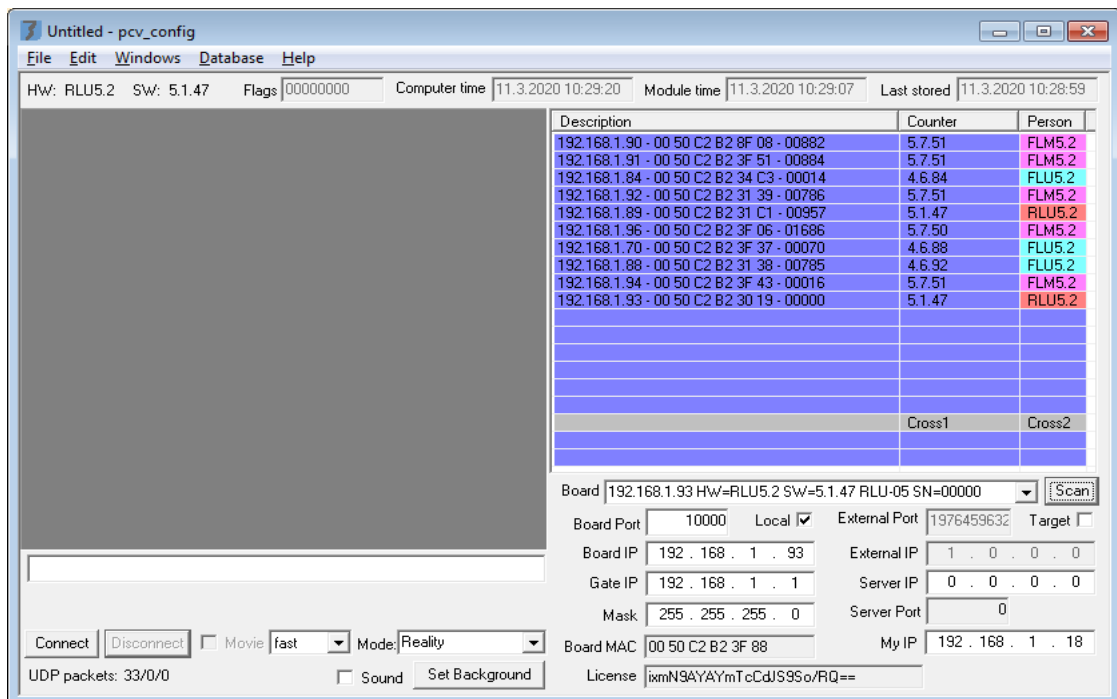
date: 19.6.2020

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a) Procedure for changing network settings of RLU/FLU/FLM module:

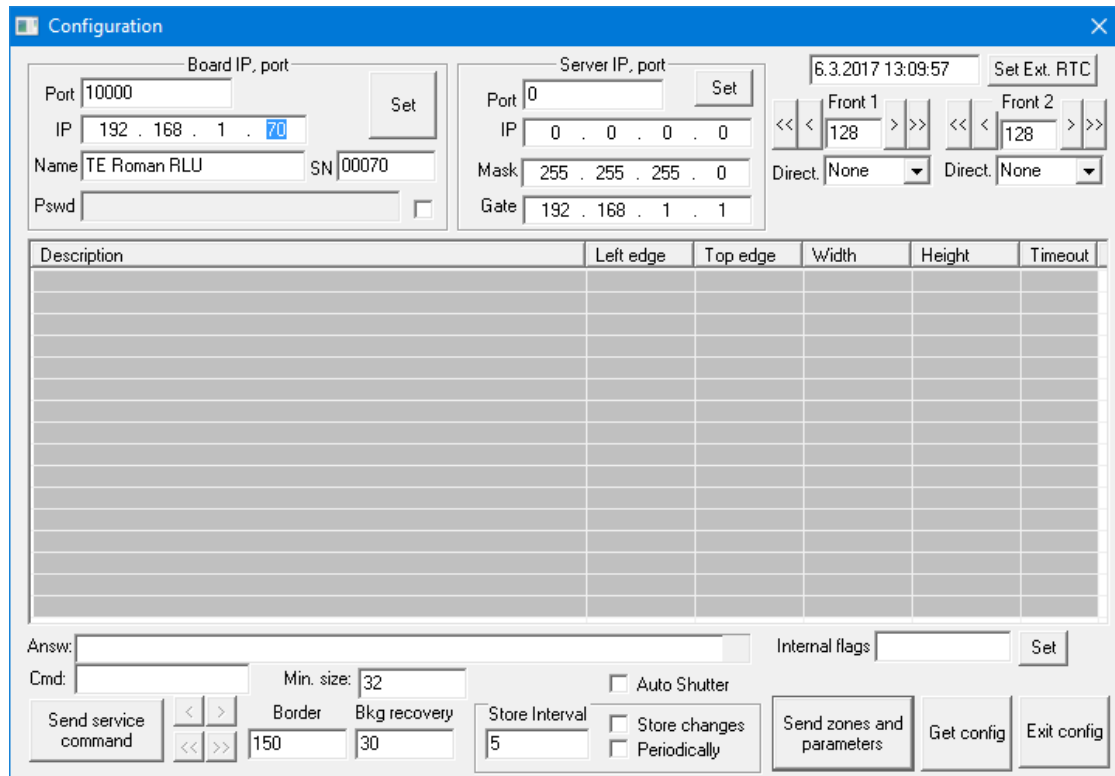
- Set network card in your notebook according to IP range of the unit in which you will be changing the network settings.
- Before the first start of program, install the driver „vcredist_x86.exe“, or the driver „vcredist_x86_2005.exe“ for older versions of Windows. The driver is located in the "PCV Config" folder.**



- Run the „PCV_config.exe“ program.
- Log in. Menu Help / **Log In...** (enter password 15987) . Correctly entered password is confirmed by the message: „PowerUser password OK!“
- Enter current network settings of the RLU/FLU/FLM module in fields **Board IP** and **Board Port**. In case that you are connecting to the unit via the Internet, uncheck the „**Local**“ option and fill in the IP address in fields **External IP** and **External port**.
- Or use the Scan function at the top right. In the „Name“ selectbox, the program will display a list of all units that were manufactured by Ronyo and were found on the internal LAN network by the program. For each unit, the program displays the following information: e.g. „192.168.1.70 HW=FLU5.2 SW=5.1.29 Name „Roman“ SN=00070“, where HW is the version of hardware, SW is the current version of unit's firmware, „Name“ is the unit's user-defined name, and SN is the unit's serial number.

New: 19.6.2020: Paragraph no. e

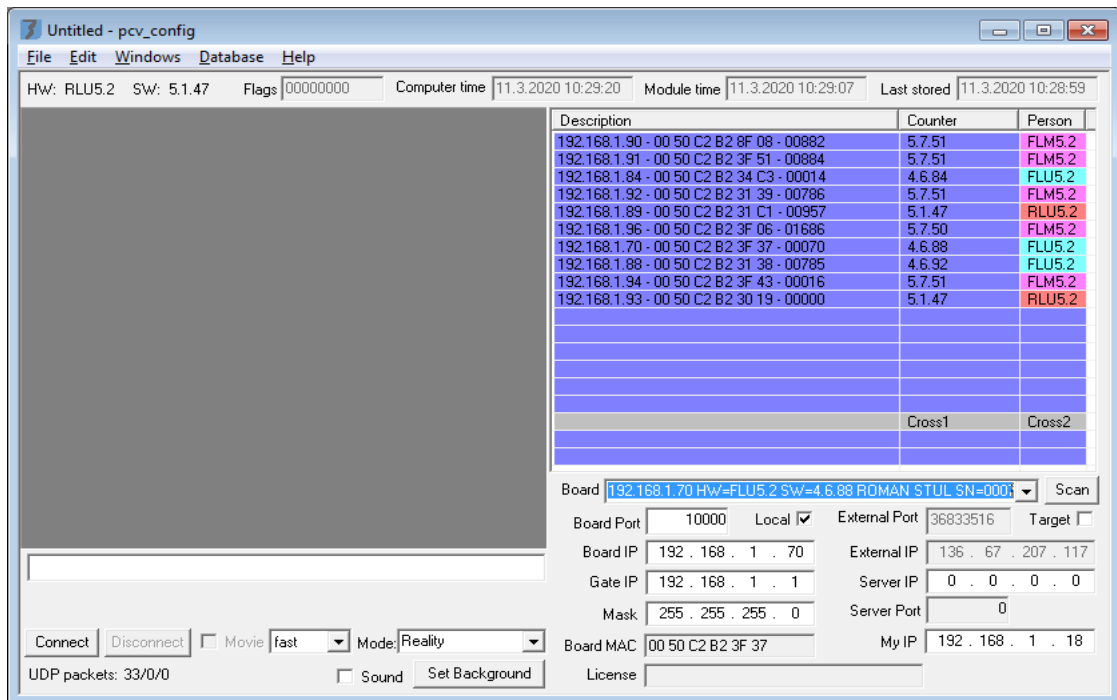
7. Open the selectbox and select unit to which you want to connect with, by **clicking the mouse**.
8. Connect to the unit by pressing the **Connect** button in the bottom left corner. A succesful connection is indicated by periodic increases in number of packets, next to the **UDP packets** label under the Connect button.



9. In the tab **Windows**, use the **Config** option. A configuration menu named „Configuration“ opens.
Here you can change the network settings of the module:
 - IP address (in the field: *Bord IP, port / IP*)
 - port (in the field: *Bord IP, port / Port*)
 - Mask (in the field: *Server IP, port / Mask*)
 - Gate (in the field: *Server IP, port / Gate*)
 - Module name (in the field: *Bord IP, port / Name*)
 Confirm these changes by pressing the **Set** button. Press **Exit config** button to exit the menu.
10. Disconnect from the module. Press the **Disconnect** button in the bottom left corner.
11. Close the PCV_config application.

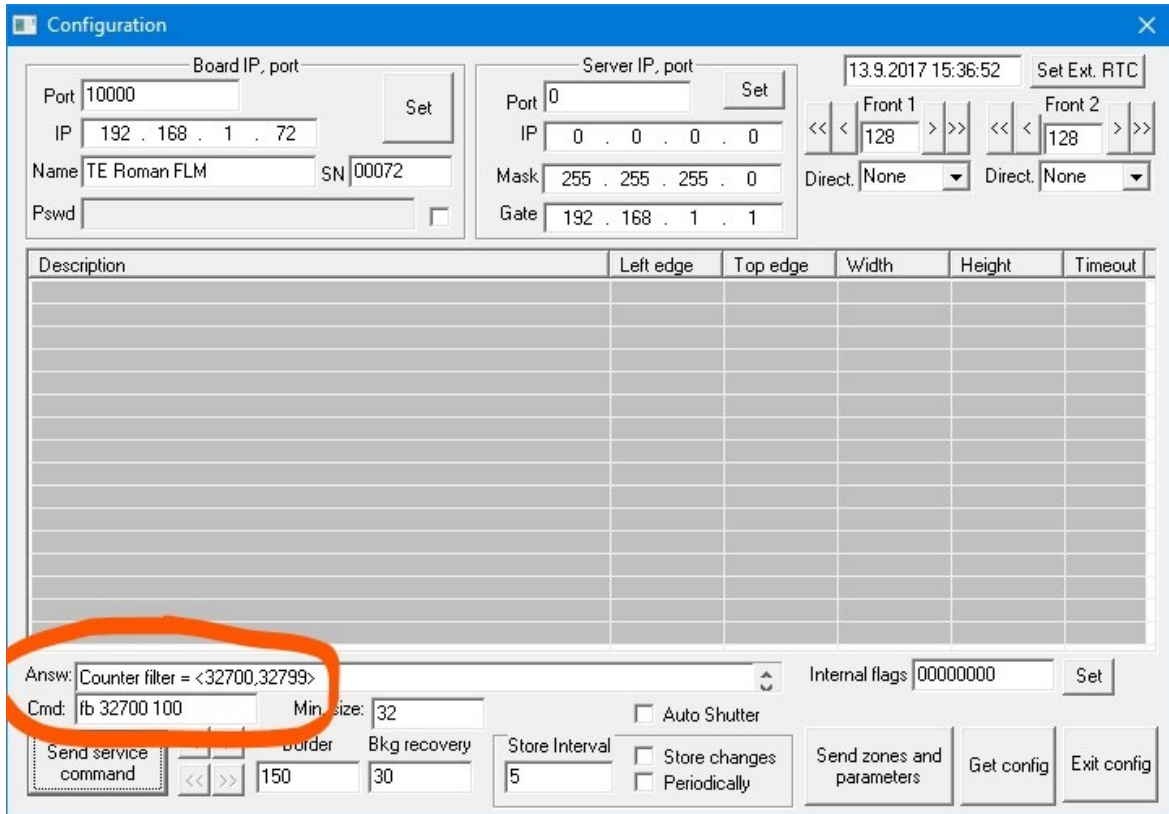
b) Procedure for uploading firmware to the FLU/RLU/FLM unit:

12. Set network card in your notebook according to IP range of the unit in which you will be changing the network settings.
13. Before the first start of program, install the driver „vcredist_x86.exe“, or the driver „vcredist_x86_2005.exe“ for older versions of Windows. The driver is located in the "PCV Config" folder.



14. Run the „PCV_config.exe“ program.
15. Log in. Menu Help / **Log In...** (enter password 15987) . Correctly entered password is confirmed by the message: „PowerUser password OK!“
16. Enter current network settings of the RLU/FLU/FLM module in fields **Board IP** and **Board Port**. In case that you are connecting to the unit via the Internet, uncheck the „**Local**“ option and fill in the IP address in fields **External IP** and **External port**.
17. Or use the Scan function at the top right. In the „Name“ selectbox, the program will display a list of all units that were manufactured by Ronyo and were found on the internal LAN network by the program. For each unit, the program displays the following information: e.g. „192.168.1.70 HW=FLU5.2 SW=5.1.29 Name „Roman“ SN=00070“, where HW is the version of hardware, SW is the current version of unit's firmware, „Name“ is the unit's user-defined name, and SN is the unit's serial number.
18. Open the selectbox and select unit to which you want to connect with, by **clicking the mouse**.

- 25.** Close the PCV_config application.
- 26.** Re-upload the configuration from your project into the FLU (RLU) unit using the Ronyo SERVER interface.



Commands:

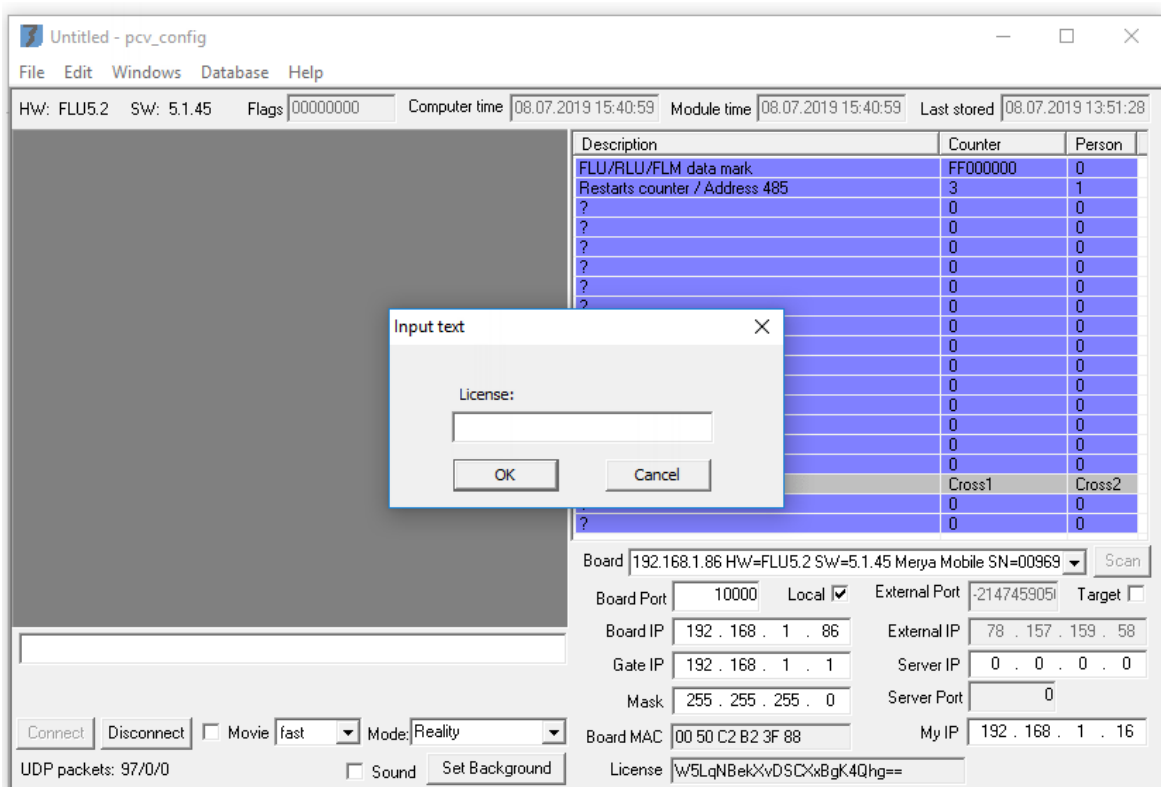
In the "Config" agenda you can send a command from "Cmd" field by clicking "Send service command" button and an answer in "Answ" field.

The commands are:

- **cb0** ... resetting beacons counter,
- **ct0** ... resetting tokens counter,
- **cf0** ... resetting failed messages counter,
- **fb X** ... beginning of ID tags filter
- **fe X** ... end of ID tags filter
- **fb X Y** ... tag filter interval of <X, X + Y-1> ID

d) Procedure for save a license key to the Merya RLU

28. Run the „PCV_config.exe“ program.
29. **Log in.** Menu Help / **Log In...** (enter password 15987) . Correctly entered password is confirmed by the message: „PowerUser password OK!“
30. Connect to the central apartment unit (see item: 1-8)
31. On the Windows tab, use the **License** option to open the **"Input text"** menu. Enter the license key in the **"License"** field. This change is confirmed by the **OK** button. The RLU resets automatically. To exit the menu, press Exit config.
32. Disconnect from the module. Press the **Disconnect** button in the lower left corner.



e) Situations where the unit inadvertently remains in Bootloader mode

If the unit inadvertently remains in Bootloader mode, the main program is not running in the unit and thus this unit cannot communicate. The figure below shows this status for a unit with IP address IP = 192.168.1.70. In this case, it is necessary to exit this mode using the Menu Edit / **Goto main application** command.

The screenshot shows the 'pcv_config' software interface. At the top, it displays 'HW: BOOT u SW: u3.5', 'Flags: 00000000', 'Computer time: 15.4.2020 13:14:43', 'Module time: 15.4.2020 13:14:40', and 'Last stored: 15.4.2020 12:31:31'. The main area contains a table with the following data:

Description	Counter	Person
192.168.1.91 - 00 50 C2 B2 3F 51 - 00884	5,7.51	FLM5.2
192.168.1.88 - 00 50 C2 B2 31 38 - 00785	4,6.92	FLU5.2
192.168.1.90 - 00 50 C2 B2 8F 08 - 00882	5,7.51	FLM5.2
192.168.1.94 - 00 50 C2 B2 3F 43 - 00016	5,7.51	FLM5.2
192.168.1.96 - 00 50 C2 B2 3F 06 - 01686	5,7.50	FLM5.2
192.168.1.84 - 00 50 C2 B2 34 C3 - 00014	4,6.92	FLU5.2
192.168.1.92 - 00 50 C2 B2 31 39 - 00786	5,7.51	FLM5.2
192.168.1.89 - 00 50 C2 B2 31 C1 - 00957	5,1.47	RLU5.2
192.168.1.86 - 00 50 C2 B2 3F 88 - 00969	5,1.47	RLU5.2
192.168.1.93 - 00 50 C2 B2 30 14 - 00000	4,6.92	FLU5.2
192.168.1.70 - 00 50 C2 B2 3F 37 - 00070	u3.5	800...

Below the table, there are several control elements: 'Board: 192.168.1.70 HW=BOOT u SW=u3.5 ROMAN STUL SN=00070', 'Board Port: 10000 Local [checked] External Port: 8325356 Target [unchecked]', 'Board IP: 192.168.1.70 External IP: 136.67.84.118', 'Gate IP: 192.168.1.1 Server IP: 0.0.0.0', 'Mask: 255.255.255.0 Server Port: 0', 'Board MAC: 00 50 C2 B2 3F 37 My IP: 192.168.1.18', and 'License: qk1hkktvDxeq3nQ50g899g=='. At the bottom, there are buttons for 'Connect', 'Disconnect', 'Movie: fast', 'Mode: Reality', 'UDP packets: 23/0/0', 'Sound', and 'Set Background'.