

# Roger Access Control System 5

Application note no. 015

Document version: Rev. C

## RACS 5 system update

Note: This document refers to RACS 5 v1.6.6 or higher

### *Introduction*

Successively released versions of RACS 5 system offer new functionalities, improve existing ones and they can include corrections of recognized errors. The update of RACS 5 system is done on hardware level and then it concerns firmware of MC16 controller and optionally its peripheral devices such as terminals and expanders and on software level which concerns such configuration and management software as VISO and RogerSVC.

### *Firmware update*

Usually when new VISO software is released then its accompanied by release of new firmware for MC16 access controllers. Such firmware update is necessary. In order to update MC16 firmware:

- Download the latest firmware of MC16 controller from [www.roger.pl](http://www.roger.pl).
- Download, install and start the latest version of RogerVDM software from [www.roger.pl](http://www.roger.pl).
- Establish connection with MC16 controller according to its installation manual.
- Backup low level configuration by export to a file.
- Update controller's firmware according to its installation manual.

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Note: Depending on the range of differences between previous and actual firmware, the update may restore default low level settings of MC16 controller including 192.168.0.213 IP address and empty communication key.

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- Establish connection with MC16 controller again and if necessary, restore low level configuration from backup file and define communication key.
- Repeat above steps for remaining controllers.

Firmware update in case of terminals and expanders is optional and it is usually done only in case of essential reasons, e.g. to eliminate errors which are visible and are corrected by Roger in the newer firmware. Firmware update procedure is explained in installation manual of particular device.

### *Software update*

In order to update RogerSVC software:

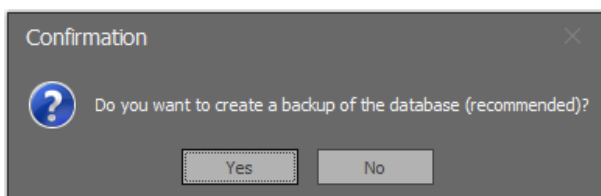
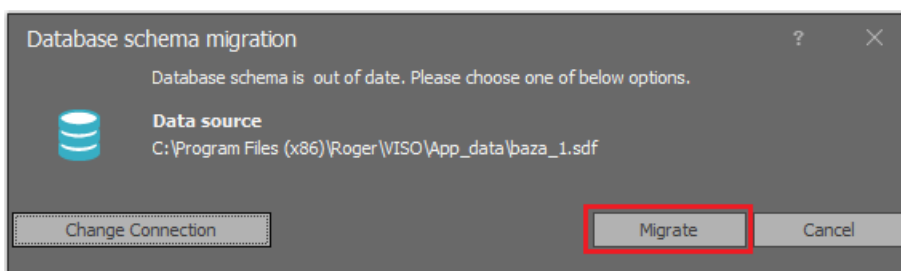
- Download and install RogerSVC program from [www.roger.pl](http://www.roger.pl).
- Start RACS Services Manager and double click its icon in Windows tray.



- In the opened window verify first of all if database connection and communication service are operated correctly.

In order to update VISO software:

- Download, install and start VISO program from [www.roger.pl](http://www.roger.pl).
- When started, confirm database scheme migration and database backup. In case of local MS SQL Server Compact database the backup is created in the folder with the database i.e. C:\Program Files (x86)\Roger\VISO\App\_data by default. Then, when needed the database can be restored by creating new connection in VISO and indicating backup file. In case of centralized MS SQL Server database the backup is created on server. If necessary, the database can be restored according to procedure described in AN017 Application note which is available at [www.roger.pl](http://www.roger.pl).



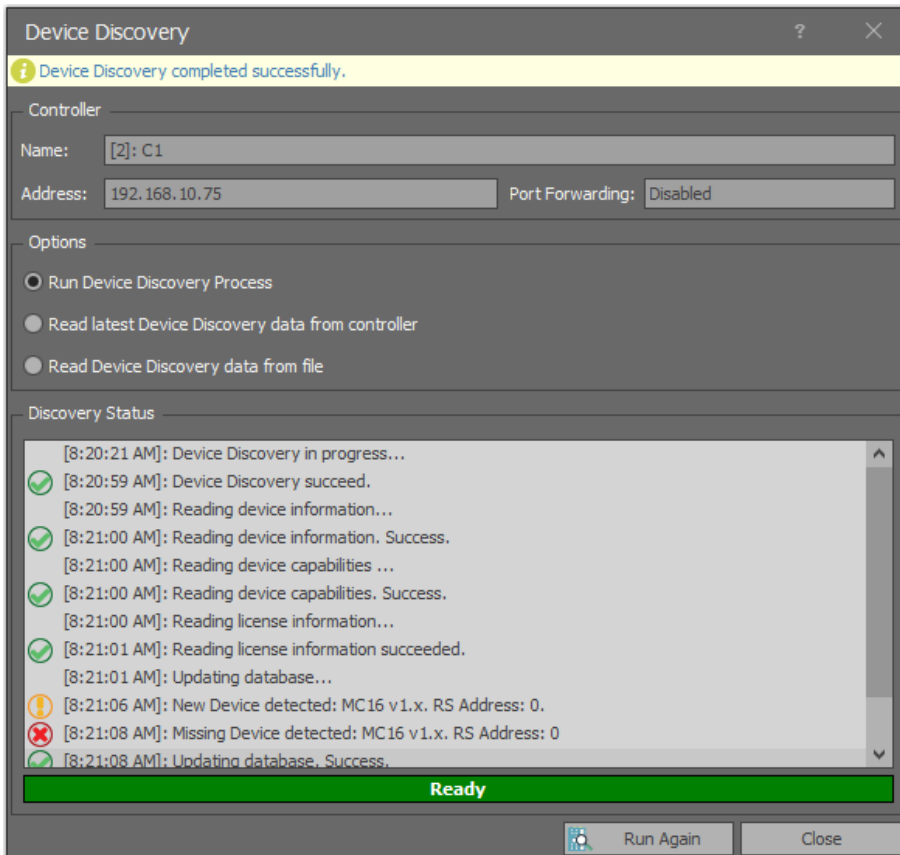
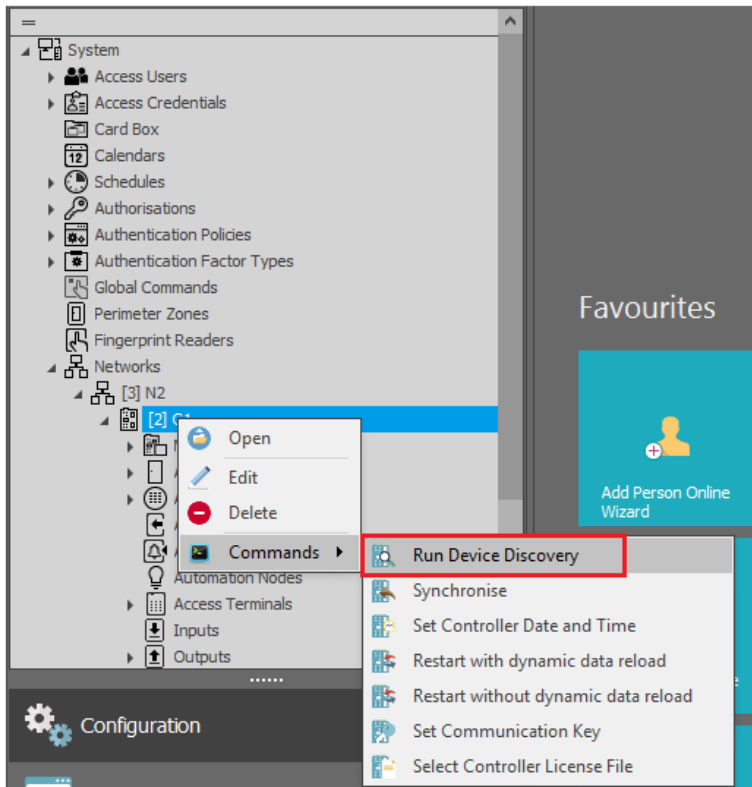
- In the navigation tree of VISO software expand *Networks* command, network name and then right click particular controller in order to select *Run Device Discovery* command.

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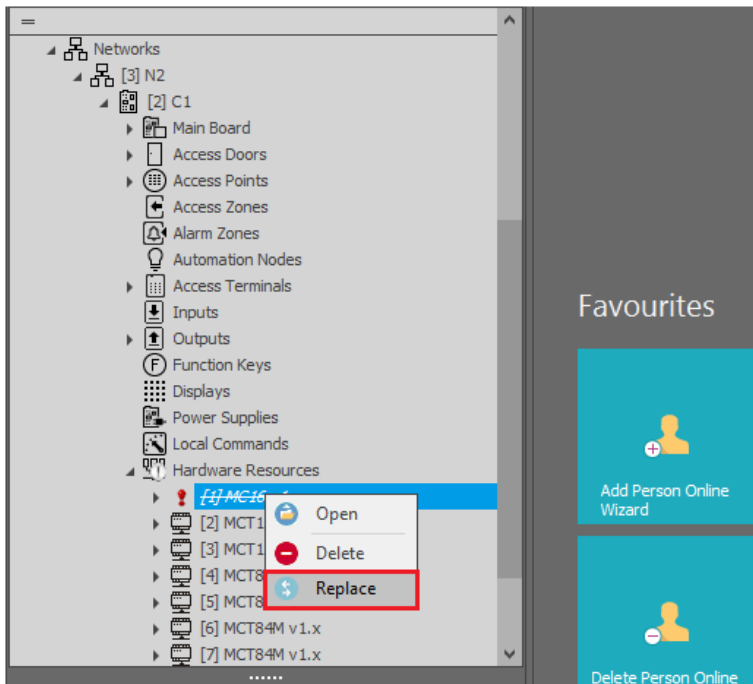
Note: If communication key was changed within low level configuration of the controller then select *Set Communication Key* command and enter actual key prior to device discovery.

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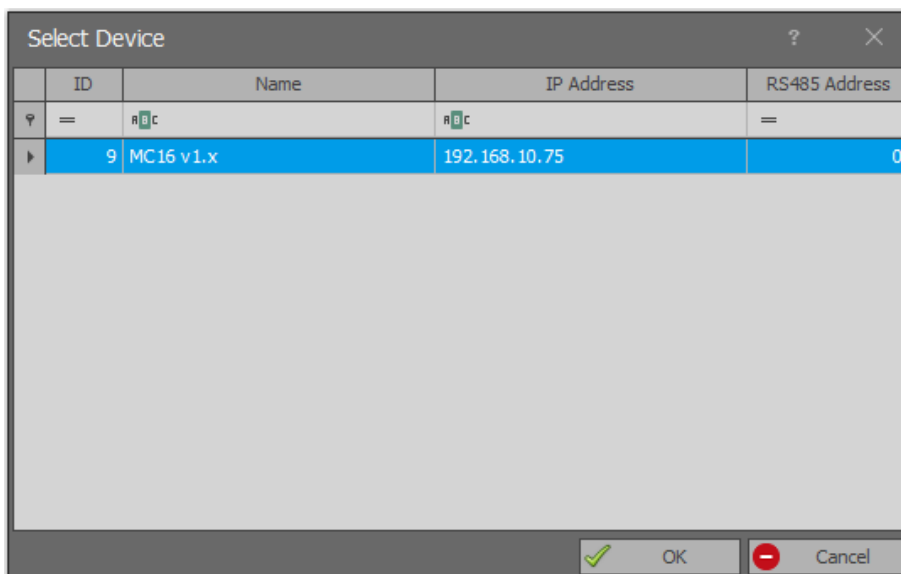
- In the opened window start device discovery and close the window when the process is finished.



- In the navigation tree of VISO software within particular MC16 controller expand *Hardware Resources* command, right click crossed out MC16 controller and select *Replace* command.



- In the opened window select MC16 with new firmware for replacement and close the window with *OK* button.



- Upload configuration to controller in order to verify settings.
- Repeat discovery and replacement procedure for remaining MC16 controllers.

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Note: If firmware of any terminal and/or expander was updated then it is necessary to make replacement procedure for all these crossed out devices on the list in the same way as in case of MC16 controller.

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