Roger Access Control System 5

Application note no. 006

Document version: Rev. G

RACS 5 Quick start guide

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

Introduction

The document presents quick start guide for RACS 5 system with MC16-PAC-2-KIT and three MCT series readers. In the system two doors are planned, the first one is read-in/out type while the second one is read-in type.

RACS 5 system can include multiple MC16-PAC-x-KITs to control doors. The configuration of MC16-PAC-3-KIT (3 doors) and MC16-PAC-4-KIT (4 doors) is very similar to configuration of MC16-PAC-2-KIT (2 doors). Other scenarios of operation are presented in AN002 application note.

Low level configuration

MC16 controller

The purpose of controller's low level configuration is to define controller properties. There are a few dozens of low level settings but the most essential are IP address and communication key which is used to encrypt the communication with controller in Ethernet network.

Factory new MC16 controller has IP address set to 192.168.0.213 and the communication key is 1234. Both can be changed with RogerVDM software.

In order to make typical low level configuration of the controller in MC16-PAC-2-KIT:

- Connect power supply to the controller.
- Connect the controller to your computer with Ethernet RJ45 cable, configure the IP address of computer's network adapter in the same range as controller address e.g. 192.168.0.1.
- Install and run RogerVDM software. Select settings as in figure below. The controller should be detected and displayed on the list of available devices if it is not blocked by firewall or antivirus software. Factory set communication key is 1234.



Select Device			×
- Device			
Device:	MC16 v1.x		-
Firmware version:	v1.6		Ψ.
Communication Channel:	Ethernet		Ψ.
Connection Parameters			
IP Address	192.168.0.213		- + 😂
Communication Key	••••		
Connection Info			
Communication Channel:	Ethernet		
Device:	MC16 v1.x fv1.6		
		E.	Connect

- When the button *Connect* is selected then the software will connect with controller and the window with low level configuration settings will be displayed.
- In top menu select *Tools->Set communication key* and define your own key using HEX characters (0-9, A-F).

📕 RogerVDM			
File Device Configuration	Tools About		
	Update Firmware		
A Communication	Set communication key		
IP address	Event Log	192.168.021.166	
Default gateway		192.168.021.001	
Subnet mask		255.255.255.000	
RS485 answer timeout [ms]]	250	
RS485 encryption		[0]: No	
RS485 encryption key		Unknown	

- Enter target IP address for the controller. The address 192.168.21.166 will be used in the guide so the controller could be operated in existing computer network with other devices.
- Upload the settings to controller with *Send to Device* button.
- Disconnect the controller selecting *Device->Disconnect* in the top menu and close RogerVDM program. The controller will restart with LED1 on and LED8 flashing.

MCT readers

The purpose of low level configuration of a reader is to define its properties. There are a few dozens of low level settings but the most essential is RS485 bus address. According to MCT installation manuals the address can be configured with RogerVDM software after connection via RUD-1 interface or manually. The manual configuration of address can be done with reader's keypad or by reading of any proximity card in a technology supported by the reader.

In the example covered by this note two MCT84M and single MCT12M readers are connected to controller. Each device connected to RS485 bus of MC16 controller must have unique address in range of 100..115. In the example, ID=105, ID=106 and ID=107 addresses will be applied for readers.



MCX2D expander

MC16-PAC-2-KIT includes MCX2D expander which offers power supply, communication as well as input and outputs for each door. In typical installation scenario the expander does not require low level configuration and it can be operated with default ID=100 address on RS485 bus if addresses of all connected readers differ from default ID=100 address. In RACS 5 system each device on RS485 bus of MC16 controller must have unique address in range of 100..115.

Installation

The following electrical diagram represents example of access control system which is used in this guide. It is two doors system with read-in/out door (two MCT84M readers) and read-in door (MCT12M reader).

According to AN002 application note other communication and power supply scenarios are available based on other I/O expanders and MCT readers with built-in inputs and outputs.





Database

High level configuration of RACS 5 system is stored in VISO software database. The system can work with local type Microsoft SQL Server Compact 4.0 database or centralized type Microsoft SQL Server 2005 (or higher) database. In this note a local type database will be used. Such database type is dedicated to small systems with up to dozen doors. The configuration of centralized database is explained in AN017 Application note.

- Install and start VISO software.
- In the window shown below enter connection name and create new database selecting its target location and name. Optionally define database password. Click *OK* button.

Connection o	configuration		?	\times
Enter inform different da	nation to connect to the selected data source or clic ta source	.k "Chan	ige" to c	hoose a
Name:	Database_01		_	
Data source:	Microsoft SQL Server Compact 4.0		Chan	ige
Connect to data	abase			
Select a data	base:			
			Select	t
• Create new d	latabase:			
Directory:	C:\Program Files (x86)\Roger\VISO\App_data		Select	t
Database	Database_01			
Security				
Enter password	to existing database or enter password to protect a	a new d	atabase	
Password:				
Test connection	о ок	e	3 Ca	incel

• Click Create button when Create database window is displayed.



- When new database is created then VISO software login window is displayed.
- When the software is started for the first time then it is necessary to define own password for Admin operator. In case of VISO 1.6.6 or older there is no such requirement so it is enough to click *OK* in order to start the VISO ST software. The password can be later changed/defined by selection of *Administration* in the top menu of VISO software and then *Operators*.



RACS 5 Services

It is necessary to configure Windows services to ensure proper operation of RACS 5 system. They are used among others for VISO software communication with controllers and for connection with database.

• Install Roger SVC software selecting Communication service. Other services are optional. They can be installed but they will not be used in this guide.

🔂 Setup - RogerSVC	
Communication Service installation Do you want to install Communication Service?	
Read text below and choose if you wish to install Communication Service	:
Communication Service provides data link between RACS 5 physical devi managing software. Only one Communication Service should be installed It can be installed on any, arbitrary selected computer. Do not use this of Communication Service is already installed on some other computer or yo install it on another PC machine.	ces and in the system. option if ou plan to
< Back Next >	Cancel



• In the final step of the installation launch RACS Services Manager.



• When RACS Services Manager is started then its icon is displayed in Windows tray. Click it to open the manager. The manager in tray can also be launched from Windows menu *Start-* >*Roger-> RogerSVC.*



- In the RACS Services Manager select the tile *Database connection*, click the command *Configure connection* and then indicate the location of your database created previously with VISO software.
- In case of first installation of RogerSVC it is also necessary to start Communication service by clicking its tile and then selecting *Start*.





Connection config	uration	7	×					
Enter inform choose a d	Enter information to connect to the selected data source or click "Change" to choose a different data source							
Name:	VISO							
Data source:	Microsoft SQL Server Compact 4.0	Change.						
Connect to dat Select a data C:\Progr	Connect to database O Select a database: C:\Program Files (x86)\Roger\VISO\App_data\Database_1.sd Select							
Enter password Password:	to existing database or enter password to protect a new o	database						
Test connection	п 🖉 ОК 😣	Cance						

High level configuration

MC16 controller

Add Access Controller Wizard can be used to configure the controller in regard of hardware resources detection.

• Select *Wizards* command in the top menu of VISO software and then *Add Access Controller Wizard*.

🤮 🔁 🖆	1									VISO EX v1.6.6.214	33. Licensed	for: Licer
System	Configuratio	on Event Le	og Syster	m Monitors	Partitions	Administration	CCTV	Maps	Time and Attendance	Remote Access	Wizards	Tools
•	•		<u>_</u>	-	.	.	J.					
Add Access Controller	Add Access Door	Add Person Online	Edit Person Online	Delete Persor Online	n Add Visitor Online	Delete Visitor Online	Add Cre Onli	dential ne				
Ot	her			Online Pe	rson Managem	ent						
■La Navigation Tree View 🔹 🔹			Ф X	😭 Start P	age							

• In the new window enter network name and optionally select time zone and language for the network. Both settings are useful in case of distributed multinational system which is managed by various operators. System can be divided into network for organizational purposes only as it does not affect functionalities of access controllers. Click *Next*.



Add Access Controller Wizard				×
Network selection Create a new Network or	select an existing one,	, where the new Access Controller will be assigned.		
	• New Network			
🧭 Network selection	Name:	N2	_	
Access Controller configuration	Time zone:	Poland (UTC+01:00)		Ŧ
	Daylight saving time:			
🥑 Data saving	Language:	English		•
Iardware resources discovery	Description			^
S Access Controller copying	beschpton.		_	~
S Logical objects assignment				
📀 Data saving				
		Next	Cancel	

• In the next window enter or detect controller's IP address and enter communication key which was previously configured with RogerVDM software. Port forwarding is obsolete if the connection between computer and controller is in LAN without intermediary router. Click *Next*.





• In the next window select Next in order to save settings into VISO database.

Add Access Controller Wizard		
Hardware resources discov Select [Run] to detect har select [Next] to proceed v	ery rdware resources of Access Controller and its peripheral devices. Then select [Finish] to dose the wizard o with copying of configuration from existing controller.	or optionally
Step	Controller	
Network selection	Name: [1]: C1	
Access Controller configuration	Address: 192.168.21.166 Port Forwarding: Disabled	
	Options	
🧹 Data saving	Run device discovery	
Hardware resources discovery	Read latest device discovery data from controller	
Access Controller copying	Read device discovery data from file	
I logical objects assignment	Discovery Status	
🥑 Data saving		
	0%	
	Run Next 😢	Finish



- In the next window select *Run* in order to detect hardware resources including controller and connected peripheral devices.
- Click *Finish* to close the wizard. The wizard in the next steps enables configuration copying from another existing controller which will not be used in this guide.
- After navigation tree refreshing with ^{\$} button, the newly created network with controller, its objects and resources is displayed.

Ravigation Tree View	×
Configuration	
5	
=	^
Authorisations	
Authentication Policies	
Authentication Factor Types	
🔀 Global Commands	
Perimeter Zones	
R Fingerprint Readers	
▲ LA Networks	
▲ 品 _{[3] №2}	
▲ 🔚 [2] C1	
Main Board	
Access Doors	
Access Points	
Access Zones	
Alarm Zones	
L Automation Nodes	
E Function Keys	
Power Supplies	
Local Commands	
▶ Ψ Hardware Resources	
P. Virtual Controllers	¥

All the steps covered by wizard can be also executed manually in VISO navigation tree by right clicking *Networks* and then creating network and controller with IP address and communication key and finally detecting hardware resources.

Access doors

Add Access Door Wizard can be used to configure doors and indicate input lines, output lines and Access Points (readers) as well define Basic Authorizations which can be further assigned to users in order to define their access rights at a door.

If it is required to limit Authorizations created by wizard in time then General Purpose Maintained Schedule(s) should be defined in advance.

In order to define a Schedule:

- Double click *Schedules* in the navigation tree.
- In the newly opened window two predefined *Always* and *Never* Schedule are listed. Select *Add* button.
- In order to create exemplary Schedule for 8 AM to 4 PM periods from Monday to Friday enter the name of a Schedule and confirm with *OK* button.



ſ		Start Page	Schedules X						
	÷	eaules Add 🕂 Dup	olicate 🥒 Edit 🗸 Select	t All 😑 Delete	🍧 Refresh 🛛 🚊 Rep	port			
		ID	Name		Туре	Valid from			Valid to
	2	= Se	RBC Search	Add Scher	lulo			2	×
		2	Always	Aud Sched	Tuic				
Ŀ		3	Never	- General			_	_	
				Name:	Schedule (8am-4pm) (M	o-Fri)	_	_	
				Type:	General Purpose Mainta	iined			Ψ.
				Default State:	Passive				Ŧ
				Description:			_		~
									- 11-
									\sim
				Details					
				Valid from:	None		_	_	_
				v-t-t	Nees		_	-	
				valid to:	None	_	_	_	
L	_	_							
							OK	0	Connect
							OK	U (lancer

• In the bottom of the window select the tab *Week Days* and then the button *Edit*.

– Details –	Details								
Main Week Days Exceptions									
🗾 Edit 😑 Delete 🛛 🕾 Refresh									
	Monday	Tuesday	Wednesday						
12 AM									
1:00									
2:00									
3:00									

Edit								
🔁 Use	CTRL key + left mous	e button + DRAG to co	py selected time range	e or use CTRL key + rig	ght mouse button + DF	AG to copy or move s	elected time range.	
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	^
3:00								
5:00								
6:00								
7:00								
8:00	8:00 AM - 4:00 PM [Active]							
10:00		[]	[,,core]			Add Time		11
11:00								
12 PM								
1:00								
3:00								88
4:00								
5:00								
6:00								

• In the newly opened window select period from 8 AM to 4 PM with left mouse button pressed and then right click to select the command *Add time*.



- In the next window confirm or correct the period.
- Define the same periods for remaining days i.e. for Tuesday, Wednesday, Thursday and Friday.

In order to define Access Doors with wizard:

- Select *Wizards* command in the top menu of VISO software and then *Add Access Door Wizard*.
- In the newly opened window select type of a door and then click *Next*. According to installation diagram, Door 1 is read-in/out door with MCT84M readers on both sides.

Add Access Door - C1		?	\times
Access Door type Select if the newly created	Access Door will be controlled on one (read-in) or two sides (read-in/read-out).		
Step	Read-in only		
Access Door type	Read-in and Read-out		
Access Door configuration	Create access Authorisations for the newly created Access Door		
Read-in Authorisation creating			
Read-out Authorisation creating			
🕑 Data saving			
Synchronisation			
	Back Next	S Cano	cel

• In the next window select readers, input and output lines in accordance with the diagram and then select *Next*. Alternatively and optionally select *Use device wiring template* to automatically assign terminals, input and outputs in typical way.



Add Access Door - C1				
Access Door configuration Specify hardware configu	ration parameters for the new	ly created Access Door.		
Step	General			
🥑 Access Door type	Name:	C1_Door1		
Access Door configuration Read-in Authorisation creating	Description:			•
Read-out Authorisation creating	Wiring template			
🕝 Data saving	Use device wiring temp	late		
Synchronisation				View wiring template
	– Hardware configuration –			
	Read-in Access Terminal:	MCT84M v1.x_192.168.21.166_105_CDI1		T
	Read-out Access Terminal:	MCT84M v1.x_192.168.21.166_106_CDI1		*
	Lock Pulse [s]:			2 🛓
	Door Lock Output:	MCX2D v1.x_192.168.21.166_100_LCK1		- ⊗
	Door Bell Output:	None		- ⊗
	Door Alarm Output:	None		- ⊗
	Door Contact Input:	MCX2D v1.x_192.168.21.166_100_DC1A		- ⊗
	Exit Button Input:	None		- ⊗
			Back Next	Cancel

• In the next window a read-in Authorization is created. It enables access granting at read-in terminal MCT84M (ID=105). The Authorization can be later assigned to users. If it is required to limit the Authorization in time then previously created *Schedule (8am-4pm) (Mo-Fri)* can be selected. Click *Next*.

Add Access Door - C1				
Read-in Authorisation creat Select if new read-in Auth	ing Iorisation will be created o	r it will be included in existing Authorisation.		
Step	Authorisation			
🥪 Access Door type				
Access Door configuration	• Create new Author	isation		
🤡 Read-in Authorisation creating	Name:	C1_Door1_IN_AUTH		
Read-out Authorisation creating				^
🐼 Data saving	Description:			- 18
Synchronisation	Arress Cabadula			
	Access Schedule			
	Schedule:	Always		
		Never		
		Schedule (8am-4pm) (Mo-Fri)		
		×		
		Back	at 🙁	Cancel



• In the next window similarly a read-out Authorization is created for read-out terminal MCT84M (ID=106). Click *Next*.

Add Access Door - C1			×
Read-out Authorisation crea Select if new read-out Aut	ting horisation will be created or it will be included in existing Authorisation.		
	Authorisation		
Access Door type			
	O Create new Authorisation		
Read-in Authorisation creating	Name: C1_Door1_OUT_AUTH		
Read-out Authorisation creating			^
🐼 Data saving	Description		
	Description.		
Synchronisation			~
	Access Schedule		
	Schedule: Always		Ŧ
	Back	8	Cancel

- In the next window select *Next* in order to save settings into VISO database and to create logic objects resulting from settings entered with the wizard.
- In the last window select *Start* button to synchronize settings with controller.
- Define Door 2 in similar way using the wizard and keeping in mind that according to the diagram this is read-in door with single reader and consequently single Authorization.



Add Access Door - C1				
Access Door configuration Specify hardware configu	ration parameters for the new	vly created Access Door.		
Step	General			
Access Door type	Name:	C1_Door2		
Access Door configuration				^
	Description:			
Read-out Authorisation creating				~
🕑 Data saving	– Wiring template			
Synchronisation	Use device wiring temp	late		
				View wiring template
	Hardware configuration			
	Read-in Access Terminal:	MCT12M v1.0_192.168.21.166_107_CDI1		*
	Lock Pulse [s]:			2 🛓
	Door Lock Output:	MCX2D v1.x_192.168.21.166_100_LCK2		- ⊗
	Door Bell Output:	None		- ⊗
	Door Alarm Output:	None		- ⊗
	Door Contact Input:	MCX2D v1.x_192.168.21.166_100_DC2A		- ⊗
	Exit Button Input:	MCX2D v1.x_192.168.21.166_100_DR2A		- ⊗
			Back	Cancel
			Next	Cancel

Alternatively, Doors with their input and outputs as well as Access Points with their readers can be configured manually using VISO navigation tree. The structure of relations between objects created by wizard for Door 1 and Door 2 is given in diagrams below.





Users

User defining, editing and deleting can be done with wizards in VISO software.

In order to define a user with wizard:

- Select *Wizards* command in the top menu of VISO software and then *Add Person Online*.
- In the newly opened window enter user names and click *Next*. Optionally photo can be assigned by right clicking *No image* area and selecting respective command.



Add Access User Person Online						
Person details Enter Access User Person	data and click [Next] to	continue.				
Steps	General					
🥪 Person details		Name: Casilla	as Ahriman			
Access Credential type selection	No image	First Name: Ahrim	an as			-
Access Credential details		Group: (none)			• 🛛
Authorisation Groups selection	Contact Information	Additional Options	Remote Management	Private Data Protection	Descrip	< •
O Authorisations selection	Email:					_
Authentication Factors defining	Postal Code:	Cit	y:			
Access Credentials selection	Address:					
🥑 Data saving						
Synchronisation						
				Next	😕 Cano	cel

• In the next window select *Create new Access Credential* and then *Next*.

Add Access User Person Online			
Access Credential details Enter Access Credential d	lata and click [Next] to continue.		
Steps	General		
Person details	Name: Access Credential_2_Casillas Ahriman	_	
Access Cradential time selection	Group: None		Ψ.
	Valid from: None 💌 1		
Access Credential details	Valid to: None 💌 1		
Authorisation Groups selection	Additional Options Exemptions Description		
Authorisations selection	Master Exemption:		
	Anti-passback Exemption:		
Authentication Factors defining	Occupancy Count Exemption:		
🕑 Data saving	Occupancy Count Limit Exemption:		
Synchronisation	Perimeter Zone Exemption:		
-			
	Back Next	Ca	ancel

- In the next window it is possible to define credential validity period. Optionally, in the *Exemptions* tab various privileges can be assigned to the credential. If *Master Exemption* is selected then the user will gain all possible Authorizations in the system in regard of access, arming/disarming and other functions. Click *Next*.
- In the next step, Authorization Groups can be assigned to the Access Credential if they were created earlier. Authorizations can be grouped by selection of Authorizations-> Authorization Groups in VISO navigation tree. The purpose of Authorisation grouping is to facilitate assignment of typical Authorisations (e.g. main doors) to users by avoiding individual assignment of such Authorisations every time a user is defined in the system. Such grouping is not used in this application note so click Next.
- In the next window it is possible to assign individual Authorizations to the Access Credential. Three Authorizations are available in the system. Select all of them so the user could open each door using associated readers. Click *Next*.





• In the next step start configuration of Authorization Factors selecting Add button.

Add Access User Person Online										
Authentication Factors defin Click [Add] button and det	iing îne at least one	Authenticatio	n Factor and	then dick	[Next] to contin	ue.				
	🕂 Add 🥖	Edit 🧹 S	elect All 😑		📄 Add from	the Card Bo				
🔗 Person details	N	ame	Status		Туре		Val	ue		
I Access Credential type selection										
I Access Credential details										
Authorisation Groups selection										
Authorisations selection										
Authentication Factors defining										
🥪 Data saving										
Synchronisation										
		_	_	_		_				
							H4 44 4	Record 0	of0 ⊦	H4 44
					Ba	ck 🗌	Next		Cano	el

• Select the button *Read from Reader*. Alternatively the card number can be entered manually in the *Value(DEC)* field if card number is known.

Add Authentication Factor			
General			
Name:			
Status: Active			Ŧ
Type: 40 bit proximity card			Ŧ
Authentication Factor Value			
Value (DEC):			
Value (HEX):			
	Program Card	Read from P	Reader
	📀 ок	8 0	ancel

In the newly opened window select card reader type. The list of devices for the option USB RUD series reader is empty if no RUD type (e.g. RUD-3) administrator reader is connected to computer. Access Terminals are MCT readers connected to the controller. Select C1_Door1_IN reader and then read your card at MCT84M (ID=105) reader so the card number would be displayed in Number Reading field.



R	ead num	ber						?	×
6	Select	devic							
Card	d Reader:	USB	RUD series reader				\$	Refres	h
	Po	USB	RUD series reader		Device		Firmware	Version	
٩	AIIC	LAN	reader		RITC	RIC			
۰,		2	C1_Door1_IN						
		3	C1_Door1_OUT						
		4	C1_Door2_IN						
			Number ras	dina		_	_	_	_
				ung.					_
						- 0	K I	🔀 Ca	incel

• Click *OK* and then once again *OK* to confirm proximity card and return to Authentication Factors window. Select *Add* button to configure one more Factor. Select *PIN code* type instead of *40 bit proximity card*.

Add Auther	ntication Factor				
General					
Name:		 			
Status:	Active	 			-
Type:	PIN				-
Authentication	n Factor Value —				
Value:	••••	 		_	
Retype Value:	••••	 			
		\$	Rando	m PIN	
– PIN sending –					
		~	ОК	🙁 Ca	ancel

- Enter PIN (e.g. 1234) in the field *Value* and again in the field *Retype Value*. Click *OK* to confirm PIN and return to Authentication Factors window.
- In the next window select *Next* in order to save settings into VISO database and to create logic objects resulting from the wizard.
- In the last window select *Send* button to synchronize settings with controller using special method which does not interrupt controller operation at all. If the *Send* button is gray and not available for use then select *Finish* button and upload full configuration to the controller, for example by right clicking *Networks* in VISO navigation tree and then *Synchronise* and *Start*.



Add Access User Person Online											
Synchronisation Select [Send] to synchronise settings or click [Finish] to dose wizard.											
	Control	er	Address	Port	Descript	ion					
🕑 Person details	🕝 C1		192.168.21.166	0							
Access Credential type selection											
Access Credential details											
Authorisation Groups selection											
Authorisations selection											
Authentication Factors defining											
🥑 Data saving	ID	Name	_	_		Operation	_	_			
Synchronisation	•	2 Access Creden	tial_2_Casillas Ahr			Add					
	Print	: Card				Send		inish			
	Print	Card			1	Sena		nnisn			

• Verify if proximity card and PIN used on any reader enable activation of LCK1 and LCK2 outputs of MCXD2D expander. These outputs will be used to control door locks. By default, PIN must be concluded with # key on reader's keypad.

Alternatively, Users, Access Credentials, Authorizations and Authentication Factors can be configured manually using VISO navigation tree. The structure of relations between objects created by wizard for Casillas Ahriman user is shown in diagram below.

Users can be edited and deleted with two remaining wizards i.e. *Edit Person Online* and *Delete Person Online*.





Technical diagnostics

Hardware

In the system with detected access controllers and peripheral devices (MCT, MCX) it is possible to:

- Verify connection with devices
- Check status of input lines
- Trigger output lines

These tools are used for diagnosis of the system during installation and verification of cable connections. They can also be used for troubleshooting in case of system failure.

In order to access diagnostic tools:

- In the navigation tree of VISO software expand *Networks* command and double click one of Networks.
- In the opened window select *Controllers* tab.



🏭 📜 💼		VI	SO ST v1.6.6.21562. Licensed for: Not registered. Roge
System Configuration Event Log System Mo	nitors Administration CCTV M	aps Time and Attendance Remote Ac	cess Wizards Tools
Access User Groups Access User Persons Visitors Visitors Who/What	Access Credentials	on Authentication Policies Policies Groups	Access Floors Points Access Points Points Access Points Points Access Points Points Po
■laNavigation Tree View	👖 🗙 📑 Start Page 🛛 🗛 N2	×	
Configuration	Main Controllers Access Controllers + Add Edit	Move 🗸 Select All 😑 Delete 🛛 🖸 Co	mmands • 🍧 Refresh 📮 Report 🏾 🕅 🗸
Access Users	ID Name	IP Address MAC Addre	ess Description
Card Box	۹ ۹۵ c Search	RBC Search RBC Search	REC Search
Calendars Calen	> 1 C1	192.168.21.166 AC:8A:CD:00:	28:61

• Select controller and in the window on the right select *Hardware Resources* tab.

ised	sed for: Not registered. Roger sp. z o.o. sp. k.; http://www.roger.pl — 🗇 👋																	
ls														(Synchro	onisation		
23						12		\[\] \[\[\] \[\[\] \[J.	<mark>9</mark>	品				
vato	r i	Access Alarm Au	utomation	Automation	Perimeter	Calenda	ars Sche	dules	Basic	Adva	nced	Autho	prisation	Networks	Fingerpri	int Virtu	al	
is Po	ints	Zones Zones	Nodes	Node Groups	Zones			A	uthorisations	Authori	sations	Gr	oups		Reader	s Control	lers	
Where When								Wr	ıy	-	1	Har	dware Re	sources		_		
																		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	etails																	
	Access	Zones Alarm Zor	nes Auto	mation Nodes	i Inputs	Outputs	Func	tion Keys	Displays	Local Co	ommands		ardware Re	sources	Access Cr	edentials	Authorisations	
	Devic	es									Details							
	🕜 R	leplace 💿 Input S	Statuses 📱	L Device Sta	itus 🖌 Se	elect All	Delete	😓 Refr	esh		Main	Obje	ects					
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	۹	Boc Search	явс <i>Se</i>	в∎с <i>Se</i>	я <u>в</u> с <i>Se</i>	= Se	ABC	я <mark>в</mark> с <i>Sea</i>	Rec Search.			ID	Name	Tv	ne	Description	Comment	Used
	F	1 MC16 v1.6	(none)	PDK2 B	192.16	0	1.1	1.6.4.456	4C2D472E		٩	=	Roc Search	л в <u>в</u> с Se	arch	Rec Search	, Roc Search	
		2 MCX2D v1.x	(none)		192.16	100	1.x	1.1.19.235	805905EC			1		INP 1/[	[1]: NO I	 IN1A input	IN1 on MC1	
		3 MCT84M v1.x	(none)	MCT84	192.16	105	1.x	1.1.6.147	058FD912			2	MC16 v1.6	INP 2/[	1]: NO I	IN2A input	IN2 on MC1	
		4 MCT84M v1.x	(none)	MCT84	192.16	106	1.x	1.1.6.147	0D3E0202			3	MC16 v1.6	INP 3/[	1]: NO I	IN3A input	IN3 on MC1	
		5 MCT12M v1.0	(none)		192.16	107	1.0	1, 1, 1, 136	1CE0A906			4	MC16 v1.6	INP 4/[	1]: NO I	IN4A input	IN4 on MC1	
												5	MC16 v1.6	INP 5/[	[1]: NO I	IN5A input	IN5 on MC1	
												6	MC16 v1.6	INP 6/[	[1]: NO I	IN6A input	IN6 on MC1	
												7	MC16 v1.6	INP 7/[	[1]: NO I	IN7A input	IN7 on MC1	
												8	MC16 v1.6	INP 8/[	[1]: NO I	IN8A input	IN8 on MC1	
												9	MC16 v1.6	OUT 1/	[5]: (	OUT1	OUT1 on M	
												10	MC16 v1.6	OUT 2/	[5]: (	OUT2	OUT2 on M	
										:		11	MC16 v1.6	OUT 3/	[5]: (	OUT3	OUT3 on M	
										:		12	MC16 v1.6	OUT 4/	[5]: (	OUT4	OUT4 on M	
												13	MC16 v1.6	OUT 5/	[5]: (	OUT5	OUT5 on M	
												14	MC16 v1.6	OUT 6/	[5]: (	OUT6	OUT6 on M	
												15	Menu	0.77	F	REL 1	REL1 on MC	
												16	M FICILI			REL2	REL2 on MC	
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• Use such commands as *Input Statuses* and *Device Status*.



• On the right, select *Objects* tab to display window where outputs can be triggered.

#### **User Authorisations**

User Authorisations can be defined and assigned on various levels. Therefore, sometimes it may not be obvious what are the resultant Authorisations of particular user as they may result from:

- Assignment of user to Access User Group which has Authorisations.
- Assignment of individual Authorisations to user's Access Credential.
- Assignment of Authorisation Groups to user's Access Credential.
- Assignment of individual Authorisation to user.

In order to obtain information on resultant Access Authorisations:

- In the top menu of VISO software select *Configuration* and then *Access Credentials*.
- In the opened window for Access Credential of particular user and then select Access Preview.
- In the next window select Access Point and then click *Load* to view the data.



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