

# Gate controller GATOR WiFi Installation manual

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# Contents

S/	AFETY PRECAUTIONS						
1	DESC	RIPTION	4				
	1.1	SPECIFICATIONS	4				
	1.2	CONTROLLER ELEMENTS	5				
	1.3	PURPOSE OF TERMINALS	5				
	1.4	LED INDICATION OF OPERATION	6				
	1.5	CONTROLLER GATOR WIFI STANDARD PACKING LIST	6				
2	WIRI	NG SCHEMATICS FOR THE CONTROLLER GATOR WIFI	6				
	2.1	Fastening	6				
	2.2	SCHEMATIC FOR CONNECTING THE POWER SUPPLY	7				
	2.3	SCHEMATIC FOR CONNECTING THE RFID READER (WIEGAND 26/34)	7				
	2.4	SCHEMATICS FOR CONNECTING INPUTS	8				
	2.5	SCHEMATIC FOR CONNECTING THE RELAY	8				
	2.6	SCHEMATIC FOR CONNECTING THE LED	8				
3	WI-F	NETWORK SETTING PARAMETERS	9				
4	SETT	NG PARAMETERS USING TRIKDISCONFIG SOFTWARE	10				
	4.1	TRIKDISCONFIG STATUS BAR	11				
	4.2	"System options" windows	12				
	4.3	"IN/OUT" windows	13				
	4.4	"IP REPORTING" WINDOWS	14				
	4.5	"User list" window	15				
	4.	5.1 RFID pendant (card) registration	16				
	4.6	"Event Log" window	18				
	4.7	Restore default settings	18				
5	SETT	NG PARAMETERS REMOTELY	18				
6	TEST	ING OF CONTROLLER GATOR WIFI	19				
7	UPD/	ATING FIRMWARE MANUALLY	. 19				



# Safety precautions

The controller should only be installed and maintained by qualified personnel.

Please read this manual carefully prior to installation in order to avoid mistakes that can lead to malfunction or even damage to the equipment.

Always disconnect the power supply before making any electrical connections.

Any changes, modifications or repairs not authorized by the manufacturer shall render the warranty void.



Please adhere to your local waste sorting regulations and do not dispose of this equipment or its components with other household waste.



# **1** Description

The Wi-Fi controller **GATOR WiFi** is designed for remote control of an automatic door (or other electrical equipment).

**GATOR WiFi** can be controlled with **Protegus** app. The controller can enter 990 users (you need to specify the user's e-mail). The **GATOR WiFi** controller can be used to set the user control schedule, set the counter, how many times the user can control the system. The controller can send messages about input and output activation and restores to the CMS (Central Monitoring Station) receiver and the **Protegus** app.

### Features

#### **Remote control**

• With Mobile application *Protegus*.

#### **Messages for users**

• Sends messages about events to the *Protegus* application.

#### Messages for security company

- Sends event information in Contact ID codes to TRIKDIS software and hardware receivers, which work with any monitoring software.
- Can simultaneously send event messages to the receiver of the safety company and work with the *Protegus* app.
- If connection with the main receiver is lost, the messages are automatically sent to a backup receiver.

#### Inputs and outputs

- 4 universal inputs/outputs. Mode of operation is set as either input (NO; NC; EOL) or output.
- 1 output (OUT) relay.

#### **Settings and installation**

- Quick and easy installation.
- Addition of new users and deletion of existing users can be done with the **Protegus** app (when logged in with administrator rights), **TrikdisConfig** software.
- Device can be configured either by connecting a USB Mini-B cable or remotely with the *TrikdisConfig* software.
- Remote updating of firmware.

### **1.1 Specifications**

Parameter	Description
Power supply voltage	9-32 V DC
Current consumption	150 mA
Universal inputs/outputs	4, can be set either as input IN with type: NC, NO, EOL=10 k $\Omega$ , or output OUT (open collector (OC) 50 mA)
Output	1 vnt., relay, 1 A 30 V DC, 0,5 A 125 V AC
Connection to CMS	TCP/IP or UDP/IP via Wi-Fi
Event transmission protocol	TRK_TCP or TRK_UDP
Encryption key	6 symbol encryption key
Wi-Fi frequency	2,4 GHz
Wi-Fi protocol	802.11 b/g/n
Security mode	WPA, WPA2, WPA mixed





Parameter	Description
Network configuration type	DHCP or manual network configuration (using phone or laptop)
Unsent events memory	Up to 60 events
Event log memory	Up to 5000 events
Users who have permission to control	990
Operating environment	Temperature from –10 °C to +50 °C, relative air humidity – up to 80 % at +20 °C
Dimensions	88 x 62 x 26 mm
Weight	80 g

### **1.2 Controller elements**



- 1. Light indicators.
- 2. Frontal case opening slot.
- 3. USB Mini-B port for controller programming.
- 4. Terminal for external connections.
- 5. Button for activating the module's Wi-Fi configuration mode.

# 1.3 Purpose of terminals

Terminal	Description
+DC	Power terminal (9-32 V DC positive)
-DC	Power terminal (9-32 V DC negative)
1 I/O	Input/output (factory setting: input, NO)
2 I/O	Input/output (factory setting: input. NO)
3 I/O	Input/output (factory setting: type OC output)
4 I/O	Input/output (factory setting: type OC output)
+AUX	Positive power terminal for external devices
NC	Relay terminal NC
С	Relay terminal C
NO	Relay terminal NO
A RS485	RS485 bus A terminal
B RS485	RS485 bus B terminal



### 1.4 LED indication of operation

Indicator	Light status	Description
NETWORK	Green solid	Connected to Wi-Fi network
	Green blinking	Trying to connect to Wi-Fi network
	Yellow blinking	Indication of signal strength from 0 to 5.
	Flashing green yellow quickly	Wi-Fi configuration mode
DATA	Green solid	Message is being sent
	Yellow solid	There are unsent event messages in the data buffer
STATUS	Green blinking	No operation problems
	1 red blink	Unable to connect to Wi-Fi network
	2 red blinks	Poor Wi-Fi signal strength
	3 red blinks	Unable to connect to the IP receiver using the primary channel
	4 red blinks	Unable to connect to <b>Protegus</b> server
	5 red blinks	Unable to connect to both receiver channels
	6 red blinks	Internal clock of the GATOR WiFi is not set
	7 red blinks	Low power supply voltage

If the LED indication is not working, check the power supply and connections.

Note:	Note: Before beginning installation, make sure that you have the necessary components:				
1. USB Mini-B type cable for configuration.					
2. Cable consisting of at least 4 wires for connecting the controller.					
3. Flat-head 2,5 mm screwdriver.					
	Order the necessary components separately from your local retailer.				

### 1.5 Controller GATOR WiFi standard packing list

-	Controller <b>GATOR WiFi</b>	1 pc.
-	Resistor 10 kΩ	3 pcs.
-	Double-sided adhesive tape (5 cm)	1 pc.
-	Screw	2 pcs.

# 2 Wiring schematics for the controller GATOR WiFi

### 2.1 Fastening

- 1. Remove the top lid. Pull out the plug part of the terminal block.
- 2. Remove the PCB board.
- 3. Fasten the base of the case in the desired place using screws.
- 4. Reinsert the board and the terminal block.
- 5. Close the top lid.







### 2.2 Schematic for connecting the power supply

Using wires, connect the GATOR WiFi controller according to the schematic shown below.



### 2.3 Schematic for connecting the RFID reader (Wiegand 26/34)

Configuring controller with an RFID reader is described in chapter 4.3. ""IN/OUT" window". Only output 5 OUT can be controlled with an RFID reader.

Schematic for connecting of RFID reader to GATOR WiFi controller.



In the *TrikdisConfig* program, the "Wiegand reader mode" field must be selected. When by pressing the "Exit" button, the 5OUT output of the controller will be activated for the set pulse duration.



FrikdisConfig 1.66.30 WP17			- 🗆 X			
🔅 Program 🔗 Action	🕮 About					
System Options	Read [F4] Write [F5] Open [F8] Save [F9] Disconnect					
IN/OUT IP Reporting	Input/Output settings					
User list	Termina Function	Type Inactive, mir Delay	CMS No rest. Pulse Time, s Sched Assign I			
Events Log	1 I/O Disabled	N/A 0 400	✓ ✓ 0 · · N/A			
Firmure	2 I/O Disabled	N/A 0 400	✓ ✓ 0 ✓ N/A			
Firmware	3 I/O Disabled	N/A 0 400	✓ □ 3 ▼ N/A			
	4 I/O Output	Pulse 0 400	✓ 3 × N/A			
	5 OUT Output	Pulse 0 400	✓ 3 × N/A			
Remember password	Tag reader settings         Wiegand reader mode         Entry/Exit event with output					
Default settings						

### 2.4 Schematics for connecting inputs

The **GATOR WiFi** has four universal I/O (Inputs/Outputs) terminal, which can operate either as inputs or outputs. These inputs can operate in NC, NO, EOL modes. Connect the inputs according to the set input type (NC, NO, EOL) as is shown in the schematics bellow:



### 2.5 Schematic for connecting the relay



Using the contact of the relay, it is possible to remotely control (turn on/off) various electric devices. The **"Output"** mode must be set to the **xl/O** terminal.

### 2.6 Schematic for connecting the LED



The "Output" mode must be set to the xI/O terminal.



### 3 Wi-Fi network setting parameters

Registering the **GATOR WiFi** controller on a Wi-Fi network. Turn on the power on the controller. Use a flat screwdriver to remove the **GATOR WiFi** lid. Press and hold the button for 3 seconds. The "**NETWORK**" indicator will start fast flashing green in yellow. Release the button. The Wi-Fi controller has a registering mode on the Wi-Fi network. Use your phone or laptop to register. Select a Wi-Fi access point **GATOR WiFi\_xxx** on your phone (or laptop).

1. Open a browser and enter the IP address 192.168.12.1. In the window that opens, enter the password (default password – 123456). Click "LOGIN".



3 192.168.12.1	43	:	
Please enter password:			
1			
LOGIN			
			J
<b>A</b> 192.168.12.1	43	:	
WiFi settings			
WiFi Network Access			
Status: disabled			
Wireless SSID settings			
signal strenghts	Trikdis2,100%	•	2
Password for SSID:	56SdS65		3
Use custom SSID:			
Join to selected network:		5	

 Choose a Wi-Fi network in the "WiFi settings" window, to which the controller GATOR WiFi will connect.

- 3. Enter the Wi-Fi network password.
- 5. Click the "**Join"** button.

If the network is not on the "Available network and signal strengths" list or if it is hidden, you must.

- 3. Enter the Wi-Fi network password.
- 4. Enter the network name in the "Use custom SSID" field and tick the box
- 5. Click the "Join" button.

③ 192.168.12.1	43	•
WiFi settings		
WiFi Network Access		
Status: disabled		
Wireless SSID settings Available networks and signal strenghts		¥
Password for SSID:	56SdS65	3
Use custom SSID:	Trikdis2	4
Join to selected network:	Join	5



6. A window will open. You must wait for the module to connect and then click "**Back**".

The connection will be established and the IP address will be

Admin pass - set the password for connecting with the Wi-Fi

"Network settings" windows

assigned to the Wi-Fi controller.

"Access settings" window

After making the changes click "Save".

controller.

3 192.168.12.1				45	•••		
Wifi connect	ing						
Connecting to: <b>Trikdis2</b> Back to main: Back 6							
③ 192.168	3.12.1			45	:		
Network set	tings						
WiFi Netwo	rk Acc	ess					
Use DHCP:							
Static IP:	192.7	168.0.9					
Net mask: 255.255.255.0							
Gateway: 192.168.0.1							
Save parameters: Save							
<ul><li>i) 192.168.12.1</li><li>45</li></ul>							
Access settings							
WiFi Network Access							
Admin pass:		123456					
Save parame	ters:	Save					

Close your browser. Disconnect your phone (or laptop) from the **GATOR WiFi\_xxx** Wi-Fi network. The Wi-Fi Controller **GATOR WiFi** will leave the recording mode within a few minutes (or press and hold the button for 3 seconds until the "**NETWORK**" indicator stops flashing green-yellow).

# 4 Setting parameters using TrikdisConfig software

With TrikdisConfig you can change the GATOR WiFi controller's settings according to the program window descriptions below.

- Download the configuration software *TrikdisConfig* from <u>www.trikdis.com/lt</u>/ (enter "TrikdisConfig" in the search field) and install it.
- 2. Using a flat-head screwdriver, remove the **GATOR WiFi**'s lid as shown below:





- 3. Connect the GATOR WiFi to a computer using a USB Mini-B cable.
- 4. Launch the configuration software *TrikdisConfig*. The program will automatically recognize the connected device and will automatically open the *GATOR WiFi* configuration window.
- 5. Click Read [F4] to see current GATOR WiFi parameters. If prompted, enter administrator's code in the pop-up window.

Note:The button Read [F4] will make the program read and show the settings currently saved on the device.The button Write [F5] will save the settings made in the program to the device.The button Save [F9] will save the settings into a configuration file. You can upload the saved settings to other<br/>devices later. This allows to quickly configure multiple devices with the same settings.The button Open [F8] will allow to choose a configuration file and open saved settings.If you want to revert to default settings, click on the "Restore" button at the bottom left of the window.

### 4.1 TrikdisConfig status bar

After connecting the **GATOR WiFi** to the **TrikdisConfig** software, the software will show information about the connected device in the status bar.

IMEI/Unique ID: 483FDA428337								
Status: reading done	Device: WP17_1001	SN: 000080	BL: 1.05	FW:1.12	HW:	State	USB	
-								
				<b>.</b>				

Name	Description
IMEI/Unique ID	The device's MAC number
State	Operational state
Device	Device type (must show <b>GATOR WiFi_xxxx</b> )
SN	Device's serial number
BL	Launcher version
FW	Device's firmware version
HW	Device's hardware version
State	Type of connection with the software (with USB or remote)

When the button **Read [F4]** is clicked, the program will read and show the settings currently saved on the **GATOR WiFi**. With **TrikdisConfig**, adjust the required settings according to the program window descriptions below.



### 4.2 "System options" windows

📫 TrikdisConfig 1.66.30 WP17				_	×
🏶 Program 🛛 🎤 Action	🕮 About				
System Options IN/OUT IP Reporting User list Events Log Firmware	Read [F4] Write [F5] General Object ID Time set Time zone Administrator Code	Open [F8]         Sa           0001	we [F9] WiFi network paramete DHCP mode Static IP: Subnet mask: Default gateway:	Disconnect ers 192.168.0.2 255.255.255.0 192.168.0.1	
	User list language Periodical Test Test Enable Test period Start test at	Central European	Wifi SSID name Wifi SSID password	TRIKDIS 56SdS65	
Remember password  Default settings Restore IMEI/Unique ID: 483FDA428337	To Protegus Cloud				
Status: Ready	Device: WP17_1001 SN: 000080	BL: 1.05 FW	/:1.12 HV	N: State USB	

#### Settings group "General"

- Object ID enter account number (4 symbol hexadecimal number, 0-9, A-F. Do not use FFFE, FFFF Object ID).
- **Time set** choose a source for setting the time.
- Time zone indicated, when the time synchronization NTP server is specified.
- Administrator Code with this code it is possible to change all of the parameters of the controller.
- User list language select a language (The user list can be entered in the characters of the selected language).

#### Settings group "Periodic test"

- Test Enable if the box is ticked, periodic test messages are enabled.
- **Test period** setting of test sending time period.
- Start test at setting of test start time.
- To Protegus Cloud if the box is ticked, the test message will be sent to Protegus.

#### Settings group "WiFi network parameters"

- DHCP mode WiFi controller's mode for registering to network (manual or automatic).
- Static IP static IP address for when manual registering mode is set.
- Subnet mask subnet mask for when manual registering mode is set.
- Default gateway gateway address for when manual registering mode is set.
- Wifi SSID name enter the Wi-Fi network name, to which the controller GATOR WiFi will connect.
- Wifi SSID password enter the Wi-Fi network password.



# 4.3 "IN/OUT" windows

#### "IN/OUT" tab

📫 TrikdisConfig 1.66.30 WP17							-	
🔅 Program 🎤 Action	🕅 About							
System Options IN/OUT IP Reporting	Read [F4]     Write [F5]     Open [F8]       IN/OUT     Scheduler       Input/Output settings	Save [F	9]	_		Disconnect		
User list	Termina Function	Туре	Inactive, mir Delay	CMS	No rest	. Pulse Time, s	Sched	Assign I
Events Log	1 I/O Input	NO	0 400	I	<ul> <li>Image: A state</li> <li>Image: A state<td>0</td><td>-</td><td>N/A</td></li></ul>	0	-	N/A
Firmware	21/0 Input	NO	0 400			0	-	N/A
- ministe	3 1/0 Output	Pulse	0 400	V		3		N/A
	5 OUT Output	Pulse	0 400			3		N/A
Remember password  Default settings	Tag reader settings       Wiegand reader mode       Entry/Exit event with output							

Input / Output settings window.

#### Settings group "Input/Output settings"

- **Terminal** controller's input and output terminal numbers.
- Function terminal type (input, output, disabled).
- **Type** specify input type (NC, NO, EOL=10kΩ).
- Inactive –input will be inactive for specified time after first activation. Enter 0 if you want to turn this function off.
- **Delay** input (zone) reaction time, ms.
- CMS if box is ticked, the message will be sent to CMS (Central Monitoring Station) and to Protegus.
- No rest. do not send restore event.
- Pulse time time for which the output is turned on, when output is set as "Pulse" type.
- Sched assign a schedule number for controlling the output.
- Assign IN assign input (IN) to output to see the actual state of the device depending on the input's state.

#### Settings group "Tag reader settings"

- Wiegand reader mode tick the box if an RFID reader (Wiegand 26/34) will be connected to the GATOR WiFi controller.
- Entry/Exit event with output tick the box and input / output events will be sent when controlling the output through *Protegus*.

#### "Scheduler" tab

📫 TrikdisConfig 1.66.30 WP17																-	-	×
🏶 Program 🛛 🎤 Action	💷 About																	
	Read [F4] W	rite [F5]		(	Open	[F8]		Sav	e [F9]					Di	sconn	ect		
System Options	IN/OUT Schedu	er																
IN/OUT																		
IP Reporting		Start time							End time									
Llser list	ID Enable Output m	o Time M	Ion Tue	Wed 1	Thu	Fri	Sat	Sun	Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
Events Lea	1 🗆 Level	00:00							00:00									
Events Log	2 🗌 Level	00:00							00:00									
Firmware	3 🗆 Level	00:00							00:00									



The OUT output can be activated according to a set schedule. It is necessary to specify the time and days of the week, enable the schedule, and assign the schedule to the Output.

- Enable enable the time schedule for when the controller will control the output.
- Start time specify the time and days of the week from when the output will be turned on.
- End time specify the time and days of the week until when the output will be turned on.

### 4.4 "IP reporting" windows

📫 TrikdisConfig 1.66.30 WP17						-	
🔅 Program 🔗 Action	🕮 About						
	Read [F4] Write	[F5]	Open [F8]	Save [F9]	Disconne	ect	
System Options	Primary channel			Settings			
IN/OUT	Communication type	Disabled	*	Return to Primary after	5	min	
User list	Domain or IP	0.0.0.0		IP Ping period	✓ 60	s	
Events Log	Port	0		Backup reporting after	3	atter	ipts
Firmware	Encryption Key	•••••					
	Backup channel	_		PROTEGUS Cloud		_	
	Communication type	Disabled	*	Enable connection	✓		
	Domain or IP	0.0.0		Parallel reporting	<b>√</b>		
Remember password	Port	0		PROTEGUS Cloud access Code	•••••		
Default settings Restore	Encryption Key	•••••					

#### Settings group "Primary channel"

- **Communication type** choose the type of communication (TCP/IP, UDP/IP) with the CMS (Central Monitoring Station) receiver.
- Domain or IP enter the receiver's domain or IP address.
- **Port** enter the receiver's network port number.
- Encryption Key 6-digit message encryption key that must match the encryption key of the CMS receiver.

#### Settings group "Backup channel"

The settings are identical to those of the main communication channel.

#### Settings group "Settings"

- **Return to primary after** time period after which the controller will attempt to regain connection with the primary channel.
- **IP Ping period** enable sending of PING signal and set the length of its period.
- **Backup reporting after** specify amount of attempts to connect with the main channel, after which the controller will automatically connect to the backup connection channel.

#### Settings group "Protegus Cloud"

- Enable connection enable *Protegus* service, the *GATOR WiFi* will be able to exchange data with the *Protegus* app and also remote configuration with *TrikdisConfig* will be possible.
- **Parallel reporting** the messages are sent simultaneously to the CMS, *Protegus*. When not enabled, messages to *Protegus* will be sent only after being sent to CMS.
- Protegus Cloud access Code 6-digit code for connecting with Protegus (default code 123456).



# 4.5 "User list" window

#### "User list" tab

📫 TrikdisConfig 1.66.30 WP17			- D >	<
🔅 Program 🎤 Action	🕮 About			
I	Read [F4] Write [F5]	9] Disconnect		
System Options	Users Scheduler Black list			
IN/OUT		Register RFID Clear users	Outputs	
Llear list	ID E-mail address	RFID Code Name	En Scher3 4 5 More Settings	L
Events Lee	10	Not authorized	n/a	
Events Log	11 ema@trikdis.lt	Ema	✓ n/a □ □ ✓ More Settings	
Firmware	12 peter@trikdis.lt	0007465412 Peter	✓     n/a     ✓     More Settings	
	13		n/a	
	14		n/a	

- E-mail address specify user's e-mail address.
- **RFID code** enter the user's RFID card (pendant) ID number if an RFID reader is connected to the controller and the user has an RFID card (pendant).
- Name specify user's name.
- En if boxed is ticked, user is allowed to control outputs OUT.
- Sched. assign a schedule (specify a schedule number) for when the user can control outputs OUT.
- **Outputs** mark the number of the output that will be controlled by the user.
- **Code** enter user code of RFID reader with keypad.
- More settings by clicking on the "More settings" button, an additional user settings window will open.

**Note:** If box "**En**." is unticked for user "**No.10**" with the name "**Not authorized**", the user will be prohibited from operating the controller with RFID cards and codes not included in the user list.

#### User settings (numbers from 11 to 999)

- **Enabled** boxed is ticked, user is allowed to control outputs OUT.
- Name specify user's name.
- E-mail address specify user's e-mail address.
- RFID code when an RFID reader with keypad (Wiegand 26/34) is connected to the controller, the ID number of the RFID card (pendant) can be assigned to the user.
- **Keypad code** when RFID reader with keypad (Wiegand 26/34) is connected to the controller, the user can be assigned a user code.
- Assign scheduler assign a schedule (specify a schedule number) for when the user can control outputs OUT.
- Valid from specify date and time from when the user can control the controller.
- Valid until specify date and time until when the user can control the controller.
- Enable counter check the box to enable the counter.
- 📫 User settings X ID 11 Enabled 1 Ema Name ema@trikdis.lt E-mail address **RFID** code Keypad code \* n/a Assign schedule 15 00:00 01/02/2021 Valid from Valid until 02/02/2021 15 00:00 Enable counter 0 Set counter 0 Current counter OUT3 OUT4 OUT5 Can control outputs
- Set counter specify number of times that user can control the controller during the chosen time.



- Current counter current number of control times.
- Can control outputs mark the number of the output that will be controlled by the user.

#### 4.5.1 RFID pendant (card) registration

Connect the RFID reader to the controller (see p.2.3 " Schematic for connecting for RFID reader (Wiegand 26/34)"). Turn on the power to the controller. Connect the USB Mini-B cable to the controller. In the "IN / OUT" window of the *TrikdisConfig* program, select the "Wiegand reader mode" field.

	Read [F	4] Write [F5]	Open [F8]	Save [F	9]				Disconne	ct	
System Options		T Scheduler									
IN/OUT											
IP Reporting	Input/0	utput settings									
User list	Termina	a Function		Туре	Inactive,	mir Delay	CMS	No res	t. Pulse Tin	ne, s Sched	Assign
Events Log	11/0	Disabled		N/A	0	400	-	-	0		N/A
Circuito 2009	2 1/0	Disabled		N/A	0	400	<	<ul><li>✓</li></ul>	0		N/A
Firmware	3 1/0	Disabled		N/A	0	400	~		3	_	N/A
	4 1/0	Output		Pulse	0	400	~		3		N/A
	5 OUT	Output		Pulse	0	400	~		3		N/A

Click "Register RFID" in the "User list" window.

TrikdisConfig 1.66.30 WP17						-		×	
🏶 Program 🔗 Action	🕮 About								
	Read [F4] Write [F5]	Open [Fi	8] Save [F9]		Dis	sconnect			
System Options	Users Scheduler Black list								
IN/OUT		Register RFID	Register RFID Clear users Outputs						
I have list	ID E-mail address	RFID Code	Name	En Scher4 5	Code More Sett	tings			
	10		Not authorized	🗌 n/a 🗌 🗸	More	Settings			
Events Log	11 ema@trikdis.lt		Ema	🗸 n/a 🗌 🗸	More	Settings			
Filliware	12 peter@trikdis.lt	0007465412	Peter	🗸 n/a 🗌 🗸	More	Settings	1		
	13			□ n/a □ □	More	Settings			

The RFID pendants (cards) registration window will open.

RFID registration mode	-		×
Add RFID tag/card t	o reade	r	
•••			
•••			
STOP registration			



Attach the RFID pendant (card) to the RFID reader. A new window will open when the reader scans the pendant (card). In it, "Enter user name" and select the "User can control PGM Output 5". Press the "ADD" button.

Repeat the steps above to add more RFID pendant (cards). When the registration of all RFID pendant (cards) is completed, press the "**STOP** registration" button.

Press the button **Write [F5]** to save the RFID pendant list to the controller.

📫 RFID registration mode		-	×
Card/Tag found: 10805685 Enter user name	:		
Tom			
User can control Output 5	PGM	X	
ADD		Cancel	
	-		

							_
📫 TrikdisConfig 1.66.30 WP17					-	- 🗆 X	
🔅 Program 🔗 Action	🕮 About						
	Read [F4] Write [F5]	Open [Fi	8] Save [F9]		Disconnect		
System Options	Users Scheduler Black list						
IN/OUT					-		r.
IP Reporting		Register RFID	Clear users	Outputs			
Lines list	ID E-mail address	RFID Code	Name	En Scher4 5	Code More Settings		
User list	10		Not authorized	🗌 n/a 🗌 🗸	More Settings		
Events Log	11 ema@trikdis.lt		Ema	🖌 n/a 🗌 🗸	•••• More Settings	-	
Firmware	12 peter@trikdis.lt	0007465412	Peter	🗸 n/a 🗌 🗸	•••• More Settings		
	13	10805685	Tom	🗸 n/a 🗌 🗸	•••• More Settings		
	14			🗌 n/a 🗌 🗌	More Settings		

RFID pendants (cards) can be registered in *TrikdisConfig* by entering their ID numbers in the "RFID code" field. Give the user a "Name", check field the "En." and a managed "Outputs" field. Press the Write [F5] button to save the list of RFID pendants (cards) to the controller.

#### "Scheduler" tab

FrikdisConfig 1.66.30 WP17																				-	×
🔅 Program 🎤 Action		Abou	ıt																		
	R	Read	[F4]	Write [	F5]	1			Op	oen [F	8]	Save [F9	]						Disco	nnect	
System Options		Users	Scl	heduler Bla	ck list																
IN/OUT																					
IP Reporting				Start time								Stop time									
Liser list		ID	Enable	Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
Function		1	~	07:59	1	~	~	1	~			12:00	~	~	~	~	<				
Events Log		2		00:00								00:00									
Firmware		3		00:00								00:00									

A schedule can be created for the user, specifying the time and days of the week when he will be able to control the output.

- Enable enable time schedule when the user will be able to control the controller's outputs.
- Start time specify time and days of the week from when the user can control controller's outputs.
- Stop time specify time and days of the week until when the user can control controller's outputs.



#### "Black list" tab

🕫 TrikdisConfig 1.66.30 WP17		-	×
🔅 Program 🎤 Action	2 About		
	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect	
System Options IN/OUT IP Reporting User list Events Log Firmware	Users Scheduler Black list E-mail/User code peter@trikdis.lt		

The "Black list" contains e-mail addresses of users, ID numbers of RFID cards who are banned from controlling the *GATOR WiFi*. It is convenient to add users to the "Black List" directly from the "Events Log". In the "Events Log", right-click on the "Name" or ID number of the RFID card and choose "Add to Black List".

### 4.6 "Event Log" window

📫 TrikdisConfig 1.66.30 WP17						—		×
🏶 Program 🛛 🎤 Action	🕮 About							
	Read [F4]	Write [F5]	Open [F	[8] Save [F9]	Disconnect			
System Options	Read Log	Clear Log						
IN/OUT								
IP Reporting	Event No.	Name / E-mail	User code	Time	Event definition			
in hepotting	1698	System		2021-02-01 08:59:52	Input restore. IN 4		-	
User list	1697	System		2021-02-01 08:59:44	Alarm in input IN 4	G		
Events Log	1696	System		2021-02-01 08:59:36	Input restore. IN 4			
Firmware	1695	System		2021-02-01 08:59:35	Alarm in input IN 4			
	1694	System		2021-02-01 08:59:30	Input restore. IN 4			

Click the button "**Read Log**". The "**Events Log**" will be read from the controller's memory. The "**Events log**" provides information about the controller's actions and its internal events.

### 4.7 Restore default settings

To restore the default settings of the **GATOR WiFi** controller you need to click the "**Restore**" button in the **TrikdisConfig** program window.

Default settings Restore							
IMEI/Unique ID: 483FDA428337							
Status: reading done	Device: WP17_1001	SN: 000080	BL: 1.05	FW:1.12	HW:	State	USB

# 5 Setting parameters remotely

**IMPORTANT:** Remote configuration will only work when:

- 1. *Protegus service* is enabed. Enabling the service is described in chapter 4.4 ""IP reporting" window";
- 2. Connected to network ("**NETWORK**" LED is green solid and yellow blinking).
- 1. Download the program *TrikdisConfig* from <u>www.trikdis.com.</u>
- 2. Make sure that the controller is connected to the internet and connection to *Protegus* is enabled.
- Launch the configuration program *TrikdisConfig* and in the field "Unique ID" of the "Remote access" section enter the "MAC" number of your controller (the MAC number is given on the stickers that can be found on the lower part of the device's case and on the packaging).



Remote access					
	Unique ID	System Name	_		
Choose module			· ()	Configure	Control

- 4. In the field "System Name" you can give any name to this controller. Click "Configure".
- 5. The controller configuration window will open. Click the button Read [F4] for the program to read the parameters currently set for the controller. If a window for entering the *Administrator code* opens, enter the six-symbol *administrator code*. To make the program remember the code, tick the box next to "Remember password" and click the button Write [F5].
- 6. Set the desired settings for the controller and afterwards click **Write [F5]**. To disconnect from the controller click "Disconnect" and exit the *TrikdisConfig* program.

# 6 Testing of controller GATOR WiFi

When configuration and installation are finished, test the system:

- 1. Check if the power is on;
- 2. Check network connectivity ("NETWORK" indicator must be green solid and blink yellow);
- 3. To test the GATOR WiFi's inputs, trigger them and make sure that the recipients get correct messages;
- 4. To test the *GATOR WiFi*'s outputs, turn them on remotely and make sure that the recipients get correct messages and the outputs are activated correctly.

# 7 Updating firmware manually

When the *GATOR WiFi* is connected to *TrikdisConfig*, the program will offer to update the device's firmware if updates are available. Updates require an internet connection.
 If antivirus software is installed in your computer, it might block the automatic firmware update function. In this case you will have to reconfigure your antivirus software.

The **GATOR WiFi**'s firmware can also be updated and changed manually. All prior **GATOR WiFi** parameters remain after update. When writing manually, the firmware can be changed to an older or a newer version. Follow these steps:

- 1. Launch TrikdisConfig.
- 2. Connect the *GATOR WiFi* to a computer using a USB Mini-B cable or connect to the *GATOR WiFi* remotely. If a newer version of firmware is available, the program will offer to install it.
- 3. Choose the menu branch "Firmware".
- 4. Click the "**Open firmware**" button and choose the required firmware file. If you do not have the file, the newest version of the firmware file can be downloaded <u>by registered users</u> from <u>www.trikdis.com</u>, under the download section of the **GATOR WIFI**.



📫 TrikdisConfig 1.66.30 WP17		-	×
🔅 Program 🔗 Action	🕮 About		
	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect	
System Options	Firmware		
IN/OUT			
IP Reporting			
User list	Open firmware file		
Events Log		Open firmware	
Firmware			
		Start undate (E12	
		start apoute (i iz	
	0%		
Remember password			

5. Click the button "Start update [F12]".

6. Wait for the update to finish.