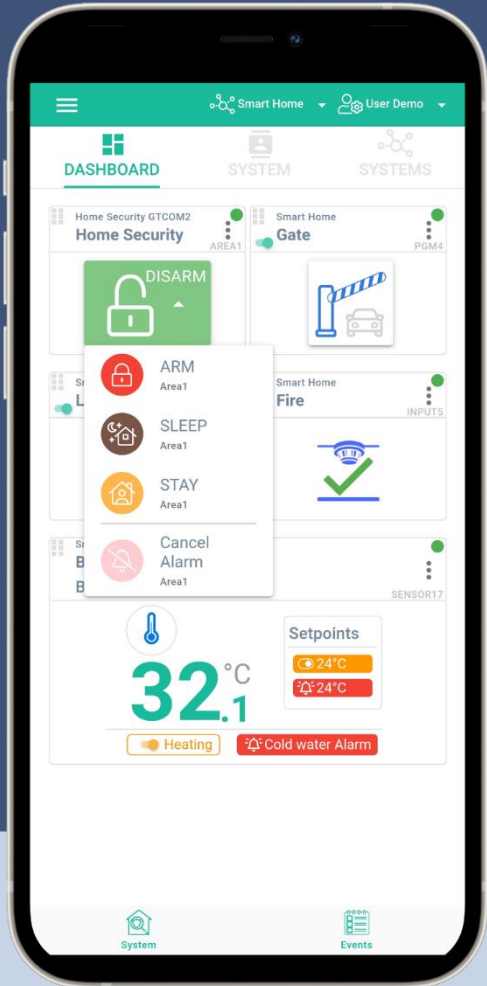


HOW TO

Control primary alarm panel from GTCOM2 ?

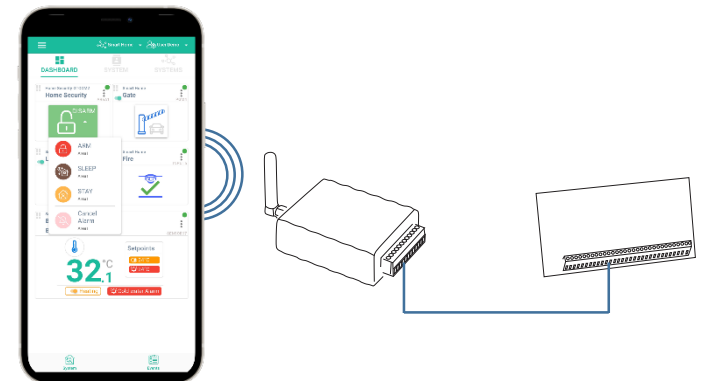


ARM/ DISARM methods:

- Touch iButton keys to the reader
- Send SMS to the module
- Call to the module
- ARM/ DISARM via mobile, web app

How to Control primary alarm panel from GTCOM2

Via iButton keys, short call, SMS, mobile, web app?

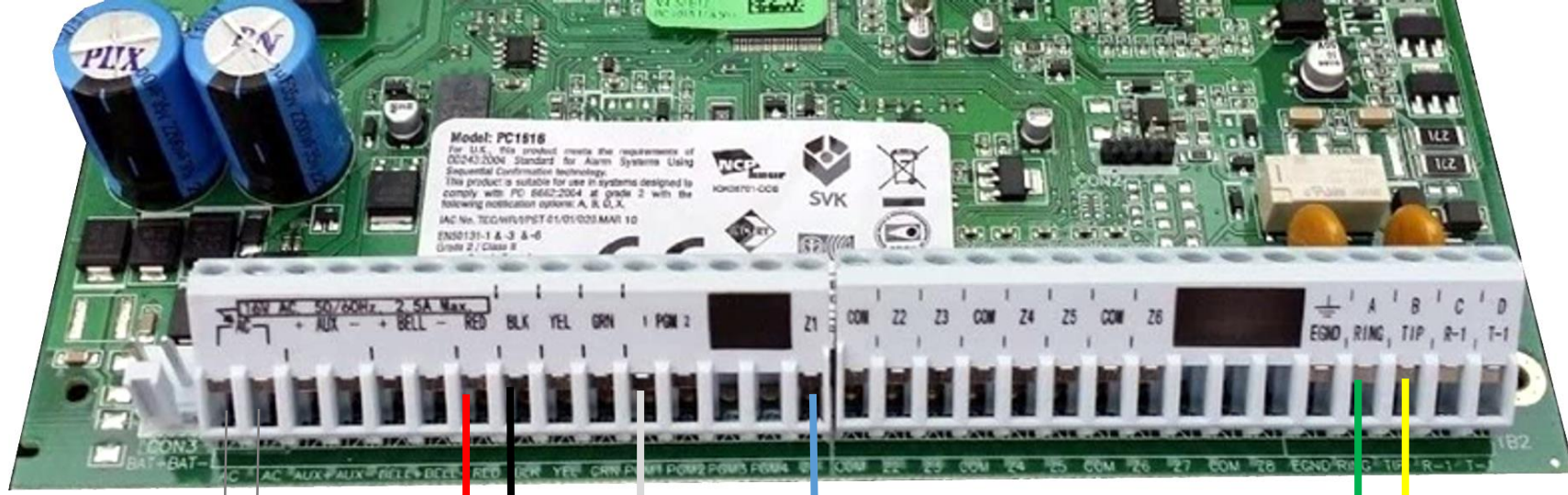


Prepare the module GTCOM2

- Insert SIM card
- Screw GSM antenna
- Connect iButton reader
- Connect the module to the primary panel
- Connect the module to the computer via mini USB

Attention!

- Disconnect power supply before wiring!
- The correct wiring procedure is as follows:
 - Make sure power is turned off
 - Make wiring connections to the terminals
 - Apply power



Transformer
~18-24V

AC 110-220V

Topkoda

GTCOM2

GSM/PSTN Communicator

REG ☐

DATA ☐

PWR ☐

LINE ☐

DTMF ☐

DC 10-24V
Max 0.2A

To Panel

Inputs/
Outputs

Inputs
WIEGAND
Reader

1-WIRE
Sensors
iButton

RS485
BUS

DC+

COM

TIP

RING

IO1

IO2

IN1/D0

IN2/D1

1W

+5V

A

B

The module can work with any central panel which has PSTN communicator and meets Ademco Contact ID data format according to SIA SIA DC-05 standard. Also Central panel must support phone number dialing using DTMF tones.

More information about GTCOM2 and primary alarm panel synchronization:

<https://www.topkodas.lt/downloads/>

GTCOM2 user manual

Topkondas

GTCOM2

GSM/PSTN Communicator

REG ☐

DATA ☐

PWR ☐

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To Panel

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DC+

COM

TIP

RING

IO1

IO2

IN1/D0

IN2/D1

1W

+5V

A

B

yellow

black

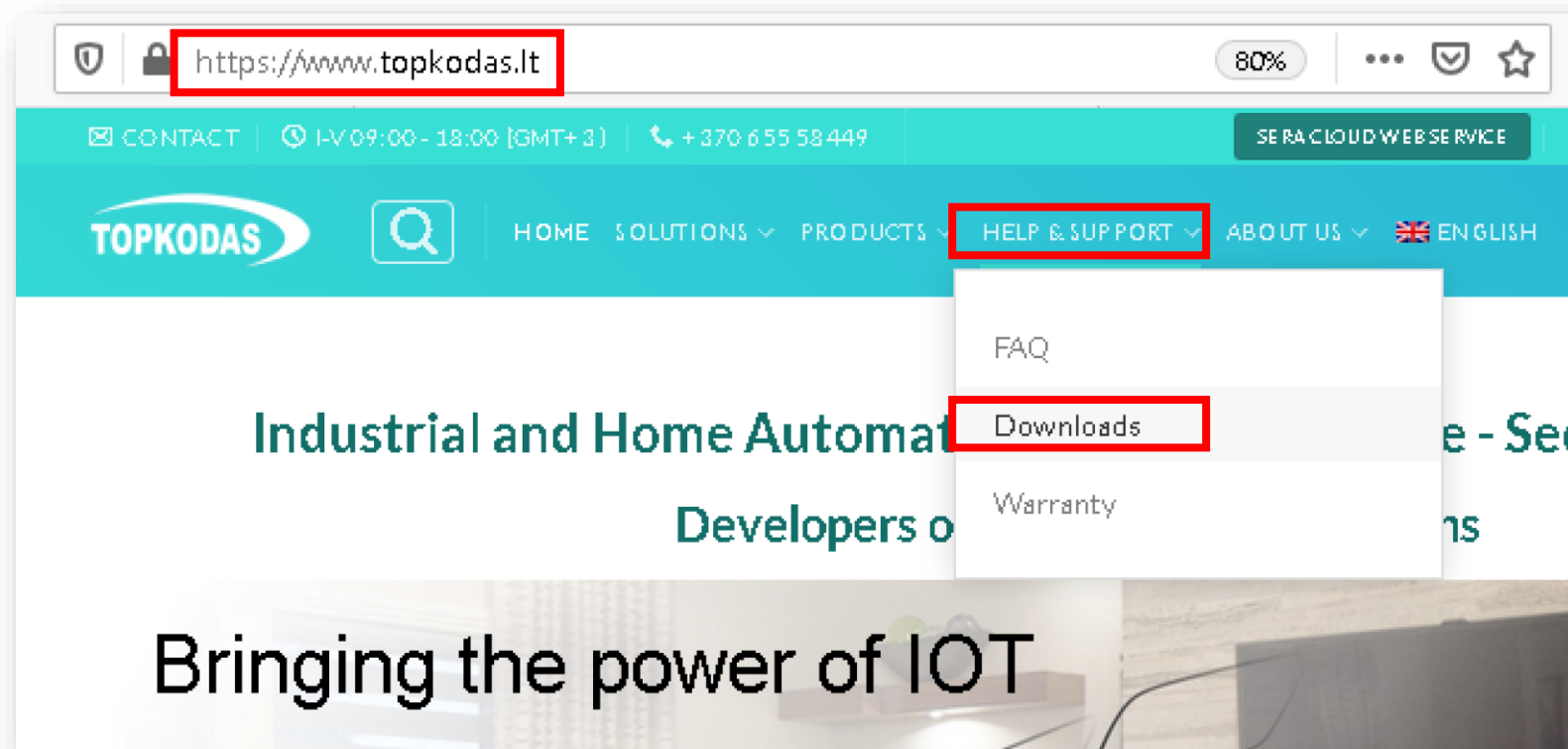
red

orange



Prepare SERA2 software

- Install SERA2 software (you will find it in <https://www.topkodas.lt/>)
- Help & Support > Downloads



Before You start, update firmware

4. Module has been successfully updated



Attention!

- If you want to edit existing configuration,
- You have to read it (press “Read” in the command line)
- Edit settings
- Write edited configuration (press “Write” in the command line)



Start iButton, phone number entering mode

- Go to SERA2> System Options> General System Options
- Set 1W (1- wire Bus) to Dallas 1- Wire Bus DS1990A/ DS18B20
- Press “Write” in the command line
- Press “Start iButton/RFID/ Phone programming mode” button

SERA2 [GTCOM2]

File

Settings

Devices

Read [F5]

Write [F6]

Update

Help

System Options

GSM Communications

PSTN CID to SMS Converter

Users/Access control

Inputs/Burglar Alarm Zones

Outputs (PGM)

Automation/Sensors

Event Summary

Events Log

RT Testing&Monitoring

Firmware

System

General System Options

System Fault/Troubles

System Info

System Options

Object Name:GTCOM2 4G DEMO

SMS/APP Text CharsetLatin (160 SMS symbols)

SIM Card PIN:****

Installer Password:***** (6 symbols)

SMS User Password:***** (6 symbols)

User Access Code Format:4 - Digits

Keyswitch Zone Mode:Level

1W (1-Wire Bus)

Dallas 1-Wire Bus DS1990A/DS18B20 ...

Digital Input (Max. 3.3V!!!!)

Digital Output (Max. 3.3V!!!!)

Dallas 1-Wire Bus DS1990A/DS18B20 ...

Aosong 1-Wire bus Humidity/Temperature Sensor DHT22/AM2301/AM2302/AM2305/AM2306/AM2320/AM2320B

Clear Events Bufer after reset

Door Chime☒

Bell Squawk on ARM/DISARM☐

Auto - reARM☐

Start iButton/RFID/Phone programming mode

Stop programming

Reset Device

System Timers

Test Time:13:30 hh:mm

Test Period:1 Days

Entry Delay0 s

Exit Delay0 s

Bell/Siren Cut-off Timer:120 s

Time Zone:(GMT: + 2)

Daylight saving time:☒

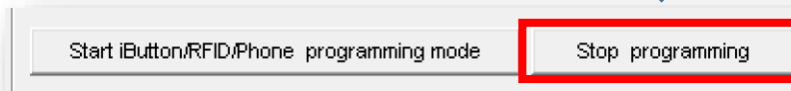
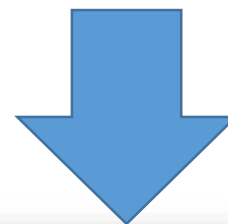
Set Module Time from PC

Read Module Time

PC time:2020-08-06 08:11:14,Thursday

Panel Time:

- Go to SERA2> Users/ Access control window
- Touch iButton keys to the reader
- Go to System Options> General system Options
- Press “Stop programming “ button



SERA2 [GTCOM2]

File Settings Devices Read [F5] Write [F6] Update Help

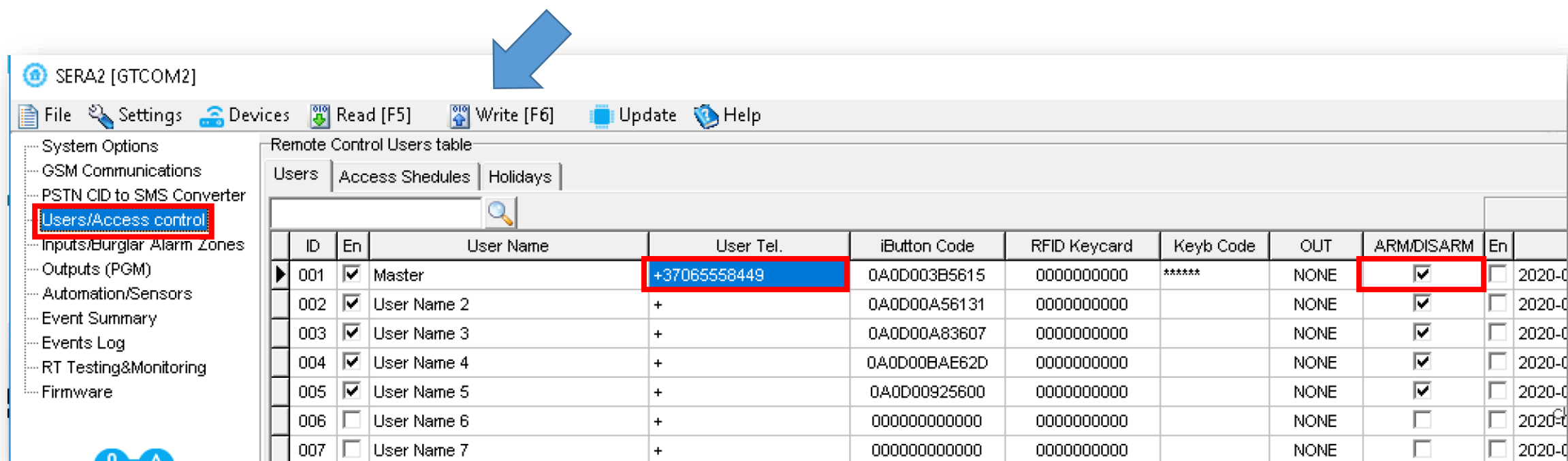
System Options
 GSM Communications
 PSTN CID to SMS Converter
Users/Access control
 Inputs/Burglar Alarm Zones
 Outputs (PGM)
 Automation/Sensors
 Event Summary
 Events Log
 RT Testing&Monitoring
 Firmware

Remote Control Users table

Users Access Schedules Holidays

ID	En	User Name	User Tel.	iButton Code	RFID Keycard	Keyb Code	OUT	ARM/DISARM	En	
001	<input checked="" type="checkbox"/>	Master	+	0A0D003B5615	0000000000	*****	NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
002	<input checked="" type="checkbox"/>	User Name 2	+	0A0D00A56131	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
003	<input checked="" type="checkbox"/>	User Name 3	+	0A0D00A83607	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
004	<input checked="" type="checkbox"/>	User Name 4	+	0A0D00BAE62D	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
005	<input checked="" type="checkbox"/>	User Name 5	+	0A0D00925600	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
006	<input type="checkbox"/>	User Name 6	+	000000000000	0000000000		NONE	<input type="checkbox"/>	<input type="checkbox"/>	2020-0
007	<input type="checkbox"/>	User Name 7	+	000000000000	0000000000		NONE	<input type="checkbox"/>	<input type="checkbox"/>	2020-0
008	<input type="checkbox"/>	User Name 8	+	000000000000	0000000000		NONE	<input type="checkbox"/>	<input type="checkbox"/>	2020-0

- Enter your phone number in the list
- Press “Write”



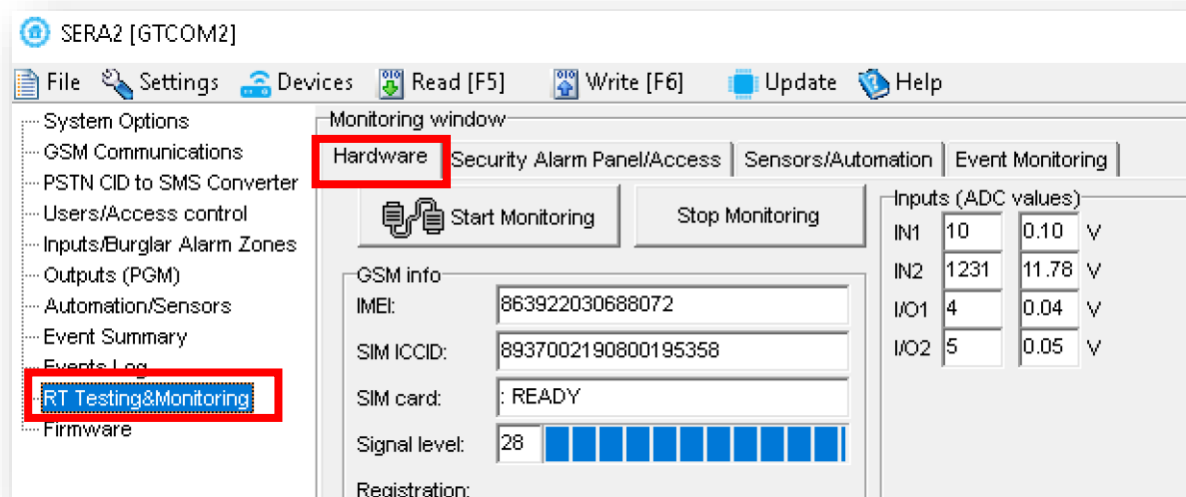
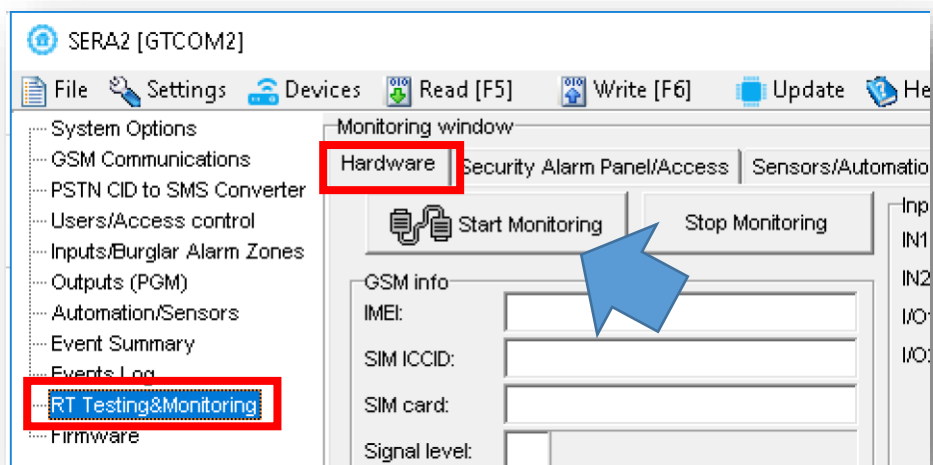
The screenshot shows the SERA2 [GTCOM2] software interface. A blue arrow points to the 'Write [F6]' button in the top menu bar. The left sidebar shows a tree view with 'Users/Access control' highlighted. The main window displays the 'Remote Control Users table' with the following data:

ID	En	User Name	User Tel.	iButton Code	RFID Keycard	Keyb Code	OUT	ARM/DISARM	En	
001	<input checked="" type="checkbox"/>	Master	+37065558449	0A0D003B5615	0000000000	*****	NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
002	<input checked="" type="checkbox"/>	User Name 2	+	0A0D00A56131	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
003	<input checked="" type="checkbox"/>	User Name 3	+	0A0D00A83607	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
004	<input checked="" type="checkbox"/>	User Name 4	+	0A0D00BAE62D	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
005	<input checked="" type="checkbox"/>	User Name 5	+	0A0D00925600	0000000000		NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2020-0
006	<input type="checkbox"/>	User Name 6	+	000000000000	0000000000		NONE	<input type="checkbox"/>	<input type="checkbox"/>	2020-0
007	<input type="checkbox"/>	User Name 7	+	000000000000	0000000000		NONE	<input type="checkbox"/>	<input type="checkbox"/>	2020-0

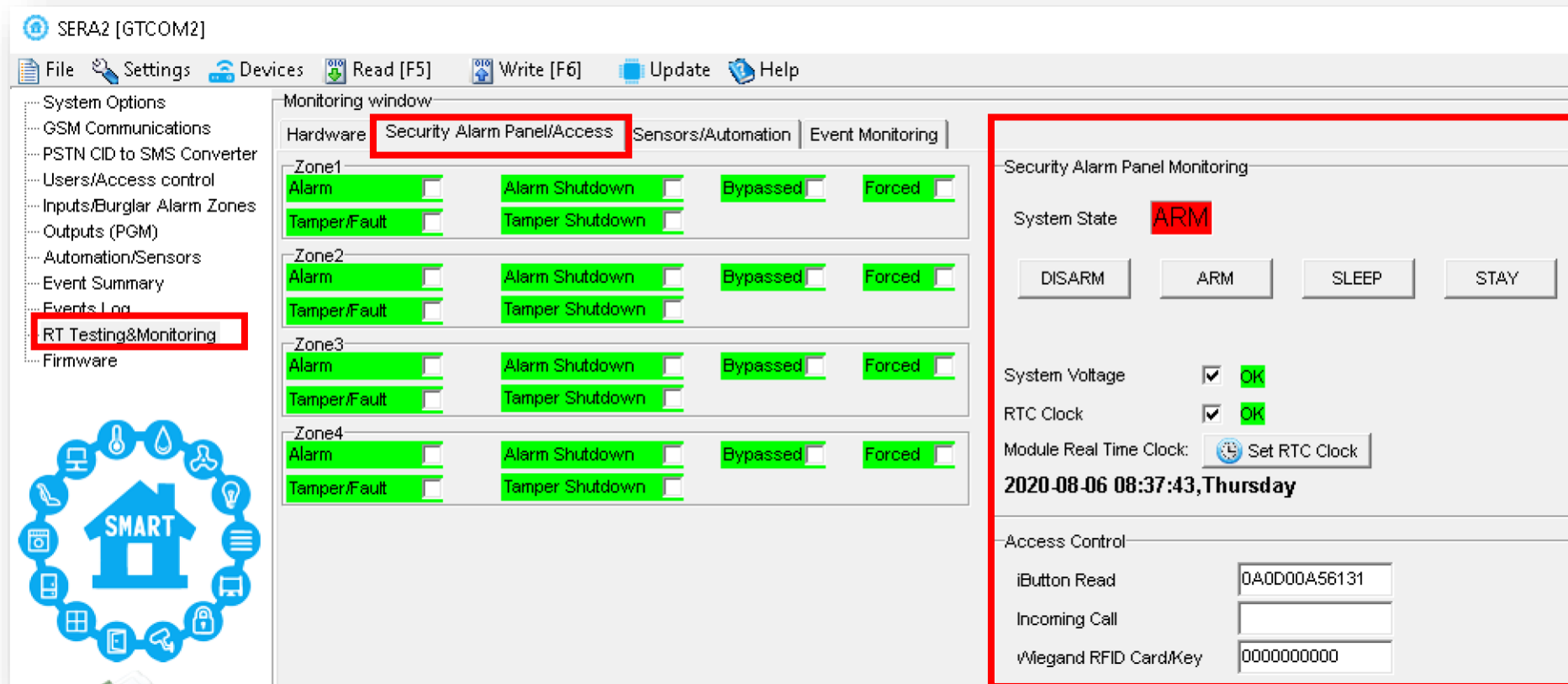
- Go to SERA2> Users/ Access Control window
- Modify list
- Press “Write” in the command line

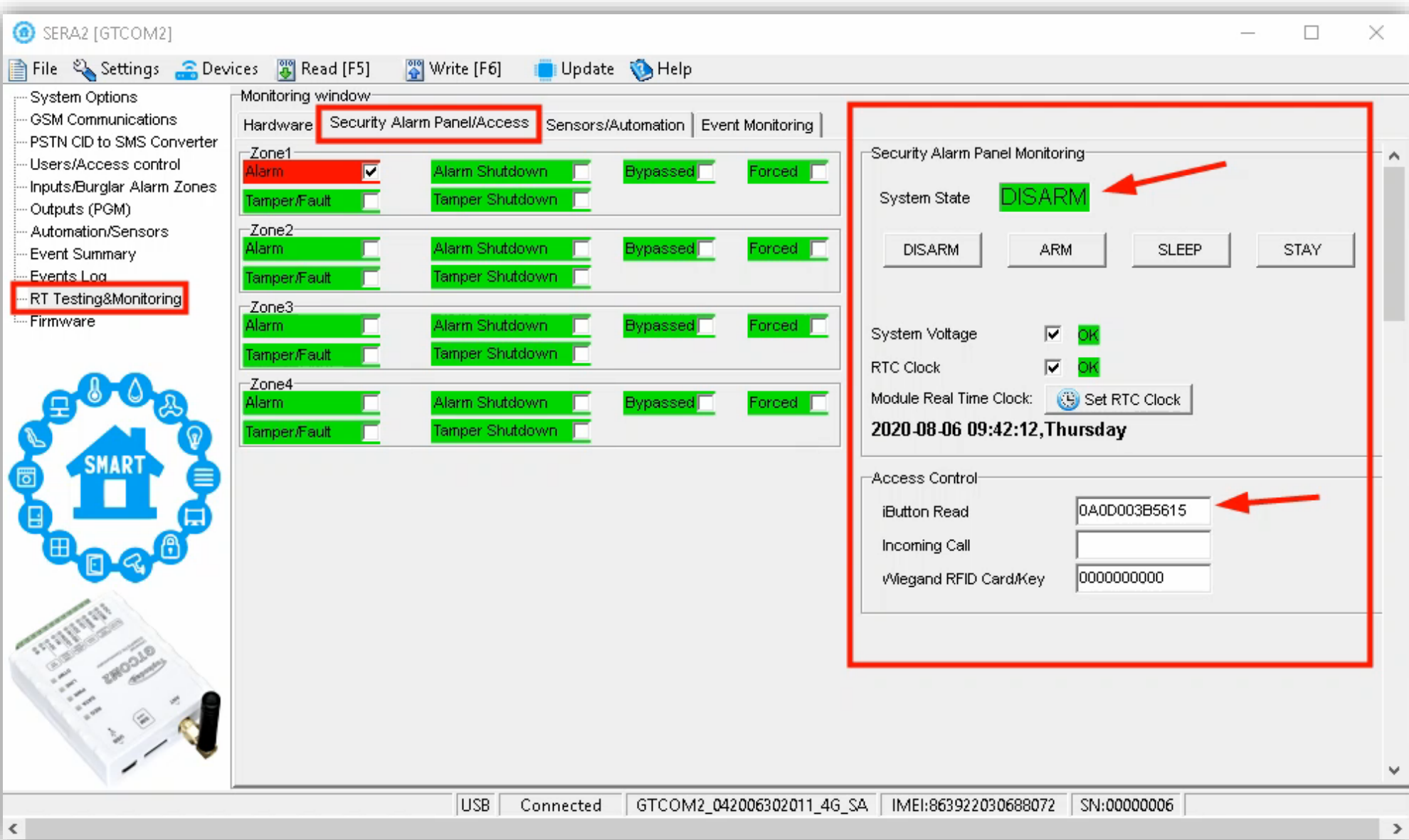
Test the system

- Go to SERA2> RT Testing & Monitoring> Hardware
- Press “Start Monitoring” button
- Go to SERA2> RT Testing & Monitoring> Security Alarm Panel/ Access
- Touch iButton keys to the reader
- You will see the status of the system



- Go to SERA2> RT Testing & Monitoring> Security Alarm Panel/ Access
- You will see the real time status





ARM/ DISARM with SMS messages

User phone number must be the SERA2> Users/ Access control list

ARM/ DISARM with SMS

USER – command from user commands list

123456 – user's password (default)

Space character

030- command code Change security system's mode (ARM/DISARM/STAY/SLEEP)

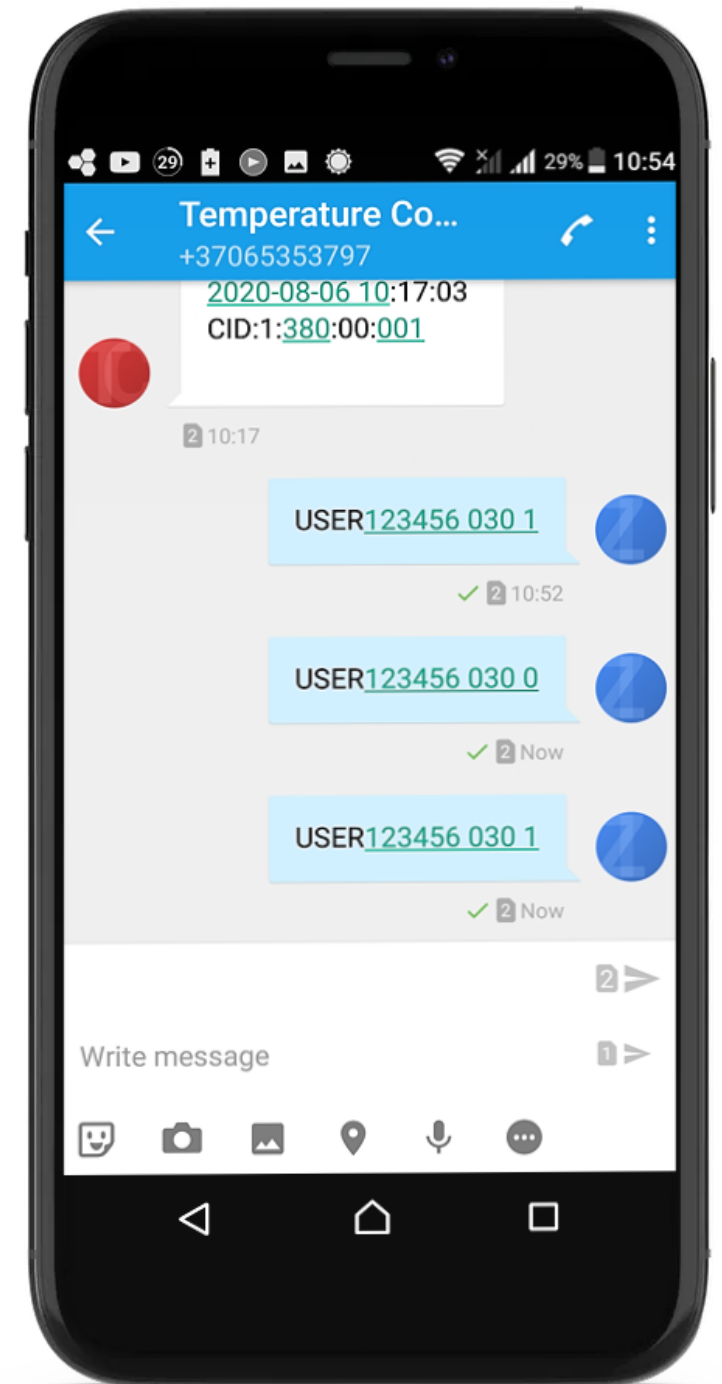
Space character

1- ARM

Change security system's mode (ARM/DISARM/STAY/SLEEP)

030= command code (Change security system's mode (ARM/DISARM/STAY/SLEEP))

ST = Security system mode 0-DISARM, 1-ARM, 2-STAY, 3-SLEEP



USER123456_030_ST

USER – command from user commands list

123456 – user's password (default)

_ - Space character

030- command code

_ - Space character

ST - Configuration array

Change security system's mode (ARM/DISARM/STAY/SLEEP)

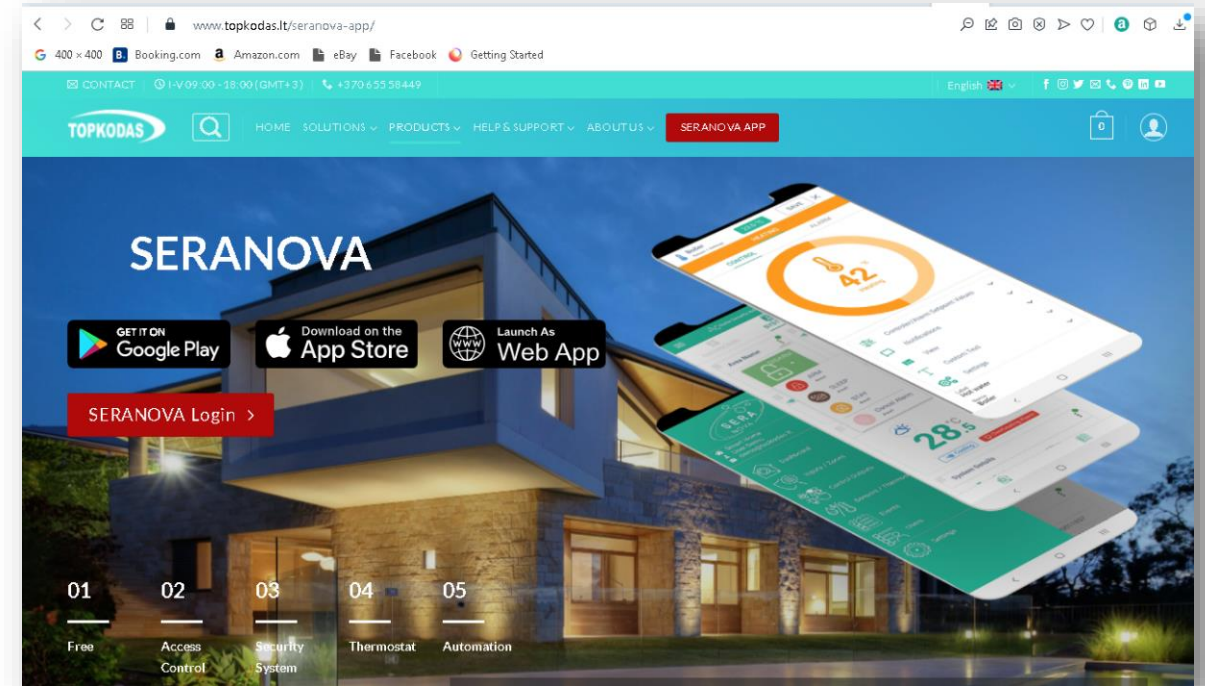
030= command code (Change security system's mode (ARM/DISARM/STAY/SLEEP))

ST = Security system mode 0-DISARM, 1-ARM, 2-STAY, 3-SLEEP

Enter user phone number in the Sera2> Users/ Access control list

How to install Android app?

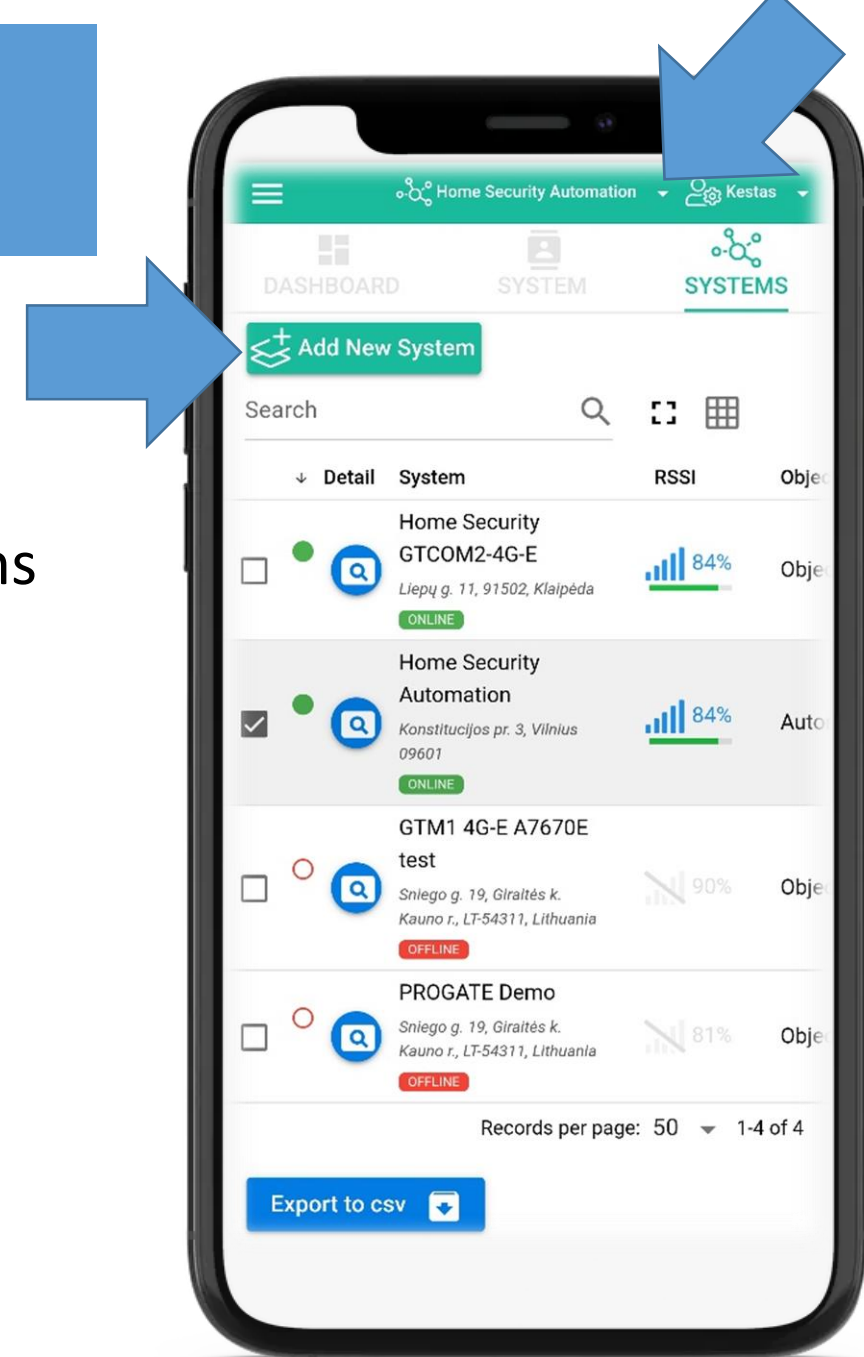
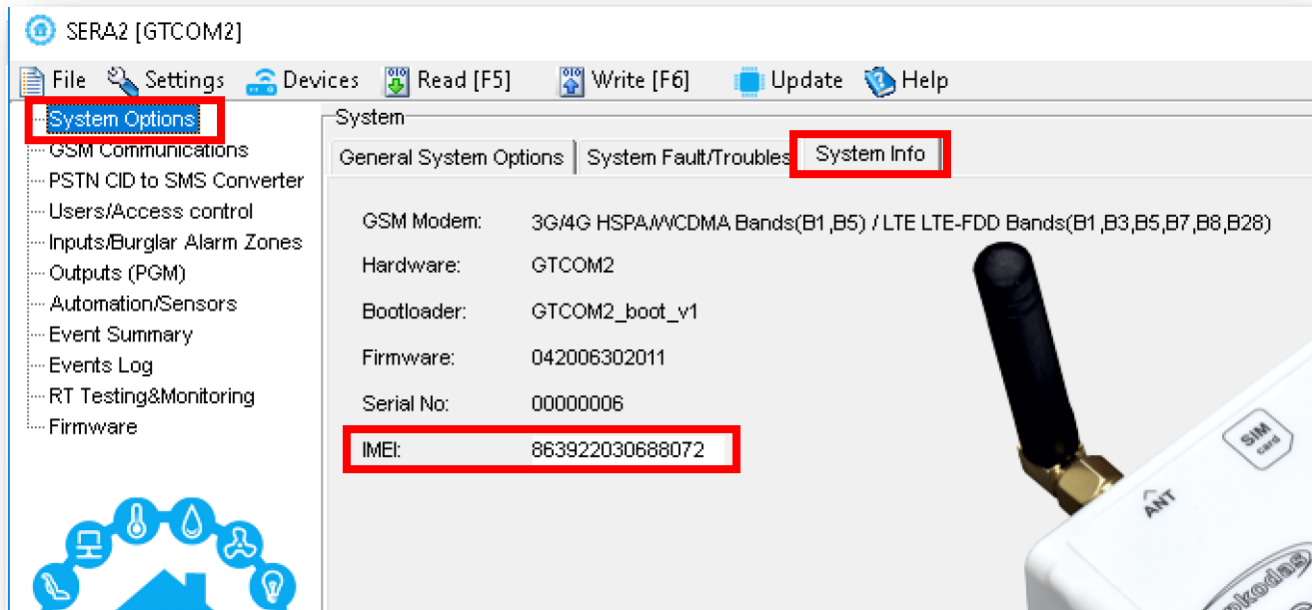
- Scan QR code



- Go to <https://www.topkodas.lt/seranova-app/>
- You will find information how to install App

How to add new system in app

- Default App Key: 123456
- Default User Access Code: 123456
- Go to SERA2> System Options> General System Options
- IMEI: Sera2> System options> System info

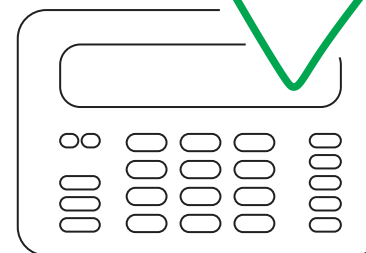
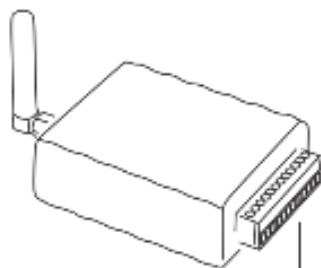


Control primary alarm panel from GTCOM2

Via iButton keys, short call, SMS, mobile, web app



GTCOM2



I/O1 → Z1

Armed State (Level)

Maintained Keyswitch ARM

Keyswitch ARM

Armed State (Level)

More information about GTCOM2 and primary alarm panel synchronization:

<https://www.topkodas.lt/downloads/>

More information via email:

info@topkodas.it