

LT

EN

RU

eldes



GSM SWITCH -GATE CONTROLLER

GSM RĖLĖ -AUTOMATINIŲ VARTŲ VALDIKLIS · GSM РЕЛЕ- КОНТРОЛЛЕР АВТОМАТИЧЕСКИХ ВОРОТ

ELDES **ESIM110**

Safety instructions

Please read and follow these safety guidelines and assembly instructions in order to maintain safety of operators and people around:

- GSM switch - gate controller Esim110 (further referenced as the system) contains an GSM Switch - Gate controller in GSM 850/900/1800/1900 MHz bands.
- Don't use the system where it can interfere with other devices and cause any potential danger.
- Don't mount the system next to medical equipment or devices, if they require so.
- Don't use the system in hazardous environment.
- Don't expose the system to high humidity, chemical environment or mechanical impacts.
- Don't attempt to personally repair the system.
- System label is on the bottom side of the device.



System Esim110 is a device mounted in limited access areas. Any system repairs must be done only by qualified, safety aware personnel.



Mains power must be disconnected before any installation or tuning work starts. The system installation or maintenance must not be done during stormy conditions.



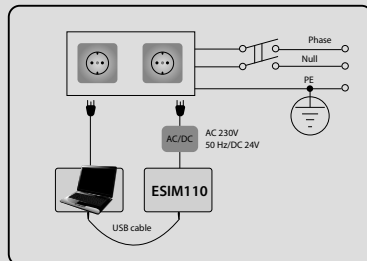
The system must be powered by main 10-24V 50Hz ~200mA AC or 10-24V $\equiv$ 200mA DC power supply which must be approved by LST EN 60950-1 standard and be easily accessible nearby the device. When connecting the power supply to the system, switching the terminals places does not have any affect.



Any additional devices linked to the system Esim110 (computer, sensors, relays etc.) must be approved by LST EN 60950-1 standard.



External power supply can be connected to AC mains only inside installation room with automatic 2-pole circuit breaker capable of disconnecting circuit in the event of short circuit or over-current condition. Open circuit breaker must have a gap between connections of more than 3mm and the disconnection current 5A.



Fuse F1 model MINISMD050F 0.5A. Blown fuse cannot be replaced by the user and the replacement fuses have to be exactly the same as indicated by the manufacturer.



The device is fully turned off by disconnecting 2-pole switch off device of the external power supply or any other linked device that the system Esim110 is powered from.



If you use I security class computer for setting the parameters it must be connected to earth.



The WEEE (Waste Electrical and Electronic Equipment) marking on this product or its documentation indicates that in the EU the product must not be disposed of together with household waste.

Limited Liability

The buyer must agree that the system will reduce the risk of fire, theft, burglary or other dangers but does not guarantee against such events.

“ELDES UAB” will not take any responsibility regarding personal, property or revenue loss while using the system.

“ELDES UAB” responsibility according to local laws does not exceed value of the purchased system.

“ELDES UAB” is not affiliated with GSM operators providing cellular services therefore is not responsible for the quality of cellular services.

Manufacturer Warranty

The system carries a 24-month warranty by the manufacturer “ELDES UAB”.

Warranty period starts from the day the system has been purchased by the end user. The warranty is valid only if the system has been used as intended, following all guidelines listed in the manual and within specified operating conditions. Receipt with purchase date must be kept as a proof.

The warranty is voided if the system has been exposed to mechanical impacts, chemicals, high humidity, fluids, corrosive and hazardous environment or other force majeure factors.

Content:

- 1. The system Esim110.....1pcs
- 2. Esim110 user manual.....1pcs
- 3. GSM antenna.....1pcs

About User Manual

This document describes GSM Gate Controller Esim110, its operation and installation.

It is very important to read User Manual before start using the system. A quick start guide is located in first two chapters. Chapter 3 describes additional system capabilities.

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1. General Information

1.1 Function

Esim110 is a microcontroller based device used to control gate automatics, road barriers or to remotely turn on the electronic device over GSM network.

Examples of using the system:

- Controlling road barriers in the yards of blocks of flats or offices
- Opening personal house gates
- Turning on an electronic device for a specified period.
E. g., aquarium lighting, turning on the pump, watering, controlling heating in premises etc.
- Turning on the system
- Turning on any electric device controlled with using ON/OFF function
- Rebooting "frozen" system, e. g., computer network or server.
- Notification about a fault in gate or other automatics device.

1.2 Operation Description

Automatic gate controller system Esim110 works over GSM network. Gates are opened or any other electronic appliance is turned on by a free phone call. The phone is automatically rejected.

On calling to the phone number of the system it checks whether the caller is recorded in the database. If user is saved in the system, the relay is turned on for a specified period. The system will ignore requests incoming from an unknown telephone number or an SMS message with a wrong password.

Connecting open gates sensor or switch allows administrators receiving SMS message about the gates that did not close during the preset period, for instance, if the gates or road barrier did not close during the particular time period.

There are 3 ways of configuration: SMS, USB or Internet.

1.3 Technical Specifications

Electrical, mechanical and other specifications

Supply voltage	10-24V 50Hz ~ 200mA max / 10-24V --- 200mA max
Current used in standby model	not more than 50mA
GSM modem frequency	850/900/1800/1900 MHz
Number of outputs	1
Output type	NO (relay)
Number of "low" level (negative) inputs	2
Number of "high" level (positive) inputs	1
Allowable "low" level (negative) input values	Voltage: 0... 16V; current: -0.8... -0.4mA
Allowable "high" level (positive) input values	Voltage: 5... 50V; current: 0.17 1.7mA
Relay output maximum commutating values	24V --- 1A / 24V 50Hz ~0,5A
Dimensions	70x85x57mm
Operating temperature range	-20...+55°C (-30...+55°C with limitations)
Number of administrators	5
Number of users	500

1.4 Connector and LED Indicators Functionality

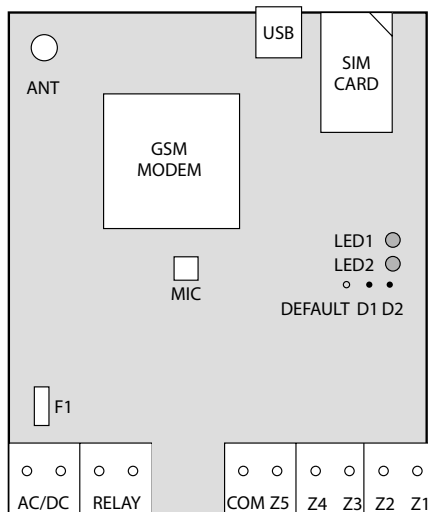


Fig. No 1

Short explanation of the main units

GSM MODEM	GSM network 850/900/1800/1900 MHz modem
SIM CARD	SIM card
LED	Light-emitting diodes indicator
DEFAULT	Connectors (D1 and D2) for restoring default settings
ANT	GSM antenna SMA type connector
USB	Mini USB connector
F1	Fuse

Connector functionality

Labeling	Explanation
AC/DC	Power supply pins
RELAY	Dry relay contact. Normally open (NO)
RELAY	Dry relay contact. Normally open (NO)
COM	Common pin
Z3	"Low" level input Z3
Z2	"High" level input Z2
Z1	"Low" level input Z1

LED indicators functionality

LED1	Indicates SIM card status	LED1 status	Meaning
LED1	Indicates SIM card status	OFF	SIM card is working properly
LED2	Indicates network status	ON	SIM card error

1.5 Connection Circuit

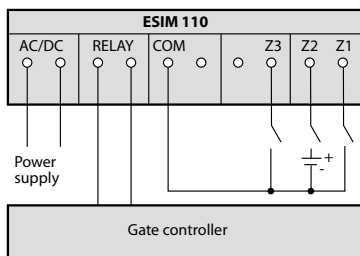


Fig. No 2

LED2 status	Meaning
OFF	No network connection
Blinking 1 times per second	Poor network connection
Blinking 3 time per second	Medium network connection
ON	Excellent network connection

NOTE

Although the installation of system Esim110 is not complex, we highly recommend installing the device only in the case if you have minimal electrotechnical or electronics knowledge. Otherwise you can damage the device.

1.6 System Installation

The system can be installed only in a metal or non-flammable plastic enclosure. If the metal enclosure and transformer is used it is necessary to ground the enclosure using yellow/green colour cable. For the connection of 230V transformer use 3x0.75 mm² 1 thread double isolated cable. The primary circuit of the transformer must be connected through 0.5A fuse. 230V power supply cables cannot be grouped with low voltage cable group. For the connection of power supply and output connectors use 1 thread 2x0.75 mm² cable. For the connection of input/output connectors use 0.50 mm² 1 thread cable.

1. Place SIM card in the holder but make sure that SIM card PIN code is disabled (PIN code can be disabled by putting SIM card into mobile phone and following proper menus). SIM card should not have any remaining SMS messages.
2. Connect the circuit as shown in fig. No 2. Connect control connectors of the gate automatics device to the relay contacts. The systems that are already installed most often contain a button for opening the gates. The relay can be connected instead of the button or in parallel with its contacts.
3. Connect a sensor or switch to inputs Z1-Z3 that turns on only when gates are lifted. Low level signal is connected to Z1 and Z3. High level signal is connected to Z2. (Input connection is an additional function and it is not necessary to install).
4. The system will start in less than a minute. LED2 indicator should be blinking or be ON indicating connection to GSM.

2. System Pre-operation and the Main Control Commands

VERY IMPORTANT!!!

Underscore symbol ‘_’ in this manual is used to represent space. When writing SMS messages, every underscore symbol should be replaced by single space symbol. XXXX – means password. Don’t leave any space at the beginning and the end of the message.

To set Esim110 system parameters easier and quicker you can use the computer, USB cable and configuration program Esim110 ConfigTool. You can read more in chapter 3.2.

2.1 Selecting device language and verification of SMS central number

The language in which the device communicates with the user can be chosen before changing factory default password. To change the language in the system that is already configured reset default settings as described in 3.1 appendix.

Send SMS message with the required language code to the number of the SIM card inserted in Esim110.

E.g., if you want to set the English language send the following SMS message: EN

30-60 seconds later you should get an SMS message: „English language confirmed.“ Go to chapter 2.2 upon reception of this message.

Otherwise check for network connection and call Esim110 system from your mobile and wait until the system drops the call. You should get an SMS message asking to change default password. Ot- herwise check for network connection and change SMS central number.

Table of possible languages

Language	Code
lithuanian	LT
english	EN
russian	RU



SMS central number is saved in SIM card, therefore if SIM card has been used to send SMS messages with a mobile phone, then you don’t need to change SMS central number. Often SMS central number is already saved in SIM card by cellular operator.

Central number can be entered by sending SMS message:

XXXX_SMS_+37011111111

XXXX – is a password. Default password is four zeros: 0000. SMS central number is provided by cellular network provider.

Example: 0000_SMS_+37069899992

Message should be sent to the number of SIM card which is placed into the system. If all went correct, the system will send a message: *SMS central number has been successfully changed to +37011111111*

2.2 Administrator Password Change

All SMS commands start with a password, please memorize it. Manufacturer default password is four zeros 0000, which is necessary to change! Manufacturer default password can be changed by sending the following SMS message to ELDES Esim110 system:

0000_PSW_XXXX

To replace your password send the following SMS message:

YYYY_PSW_XXXX

XXXX is any four digit number except four zeros. Non-numerical characters like dots, colons, spaces are not allowed. YYYY is the old system password. If you forgot the password, default manufacturer password can be restored, see chapter 3.1 for more details.

2.3 Administrator Numbers

The system Esim110 allows to pre-program up to five different mobile numbers which will have access to and control the system. NR1 is mandatory while others can be skipped. All numbers must be entered starting with international country code, e. g. national code for Lithuania is 370, UK- 44. The plus sign is not necessary. Numbers without the international code are not allowed.

2.3.1 Saving or Changing Administrator Numbers

Send SMS message with the following text:

```
XXXX_NR1:37011111111_NR2:37011111111_NR3:37011111111_NR4:37011111111_NR5:37011111111
```

Ones should be replaced with administrator numbers. Numbers don't have to be entered in sequential order right away. E. g. use can enter first and fourth number by sending the following SMS message:

```
XXXX_NR1:37011111111_NR4:37011111111
```

Or individually one number at a time:

```
XXXX_NR3:37011111111
```

Numbers can be changed same way as described above. New number will overwrite old one, therefore no erasing is necessary.

2.3.2 Verification of Administrator Numbers

To inquire the system about pre-programmed administrator numbers send the following SMS message:

```
XXXX_HELPNR
```

The system will reply with all pre-programmed numbers.

2.3.3 Deletion of Administrator Numbers

To erase a particular or several administrator numbers send an SMS message with the numbers to be deleted:

```
XXXX_NR2:DEL_NR3:DEL_NR4:DEL_NR5:DEL
```

E. g. XXXX_NR3:DEL

The system will not allow erasing first number NR1. It can only be modified.



2.4 Date and Time Settings

It is important to set correct date and time so that the system can send reports at specified times.

Date and time can be set by sending the following format SMS message:

```
XXXX_MMMM.mn.dd_va:mi
```

where MMMM means year; mn - month; dd - day; va - hour; mi - minutes

E. g. XXXX_2009.01.01_14:15



2.5 User Numbers

The system Esim110 allows to pre-program up to 500 different mobile numbers which will have access to controlling the gates by a phone call. The gates can also be controlled by administrators. **All numbers must be entered starting with international country code, e. g. national code for UK is 44.** The plus sign is not necessary. Numbers without the international code, e. g., 070..., are not allowed. The numbers can be recorded or deleted only by administrator.

2.5.1 Saving User Numbers

Send SMS message with the following text:

```
XXXX_N:37011111111_37011111111_370.....
```

Ones should be replaced with user numbers. Up to 10 numbers can be entered sending an SMS message. To enter more numbers, send another analogous SMS message. The ten numbers don't have to be entered in sequential order right away. E. g. use can enter only one number. After saving 500 user numbers you will be able to enter new users after you have deleted the users not using the system thus emptying memory space

2.5.2 Verification of User Numbers

To learn if a particular user number is programmed in the system send the following SMS message:

```
XXXX_T:37011111111
```

Ones should be replaced with the number which you want to check if it is entered in the system.

To see all numbers entered send the following SMS message:

```
XXXX_GETALLNUMBERS
```



ATTENTION!

Depending on entered user numbers you might receive up to 55 SMS messages!

2.5.3 Deletion of User Numbers

To delete a particular or several user numbers send an SMS message with the numbers to be deleted:

```
XXXX_D:37011111111_37011111111_370.....
```

Ones should be replaced with user numbers. Up to 10 numbers can be deleted sending an SMS message. To enter more numbers, send another analogous SMS message. The numbers don't have to be deleted in sequential order right away. E. g. use can delete only one number.

To delete all numbers except administrators send the following SMS message:

```
XXXX_D:ALL
```



2.6 Configuring Output Impulse Duration of User Numbers

NOTE

The manufacturer set that after the user's call relay connectors are connected for 2 seconds (impulse duration).

To change the duration of switching on the relay end the following SMS message:

```
XXXX_TIMER:t
```

where t means the time of turning on the relay in seconds. Possible t values are [1-10]. Quantization is by 1.

E. g. XXXX_TIMER:10 means that relay contacts will be connected for 10 seconds. After 10 seconds the relay will be turned off and the contact will be open, i. e. NO.



2.7 Info on Status SMS

The system Esim110 can any time be inquired about signal strength and the status of zones active at the time when SMS message is sent. At the same time system test is performed. If the answer to the request has been received, it means the system finely operates. It is also useful for those using prepayment service – you can check if the credit in the account is sufficient for sending an SMS message. Send the following SMS message:

```
XXXX_INFO
```

The reply SMS will have following info: e. g. 2008.08.07 11:15 Signal strength satisfactory. Free Memory status.

By default this status SMS message is disabled.

These parameters can be configured by sending the following SMS message:

```
XXXX_INFO:PP.VV
```

PP – message period in days, valid values [00-10].

VV – time when message is sent, valid values [00-23].

E. g. XXXX_INFO:01.10 means that status message will be sent every 1 day at 10:00.

If PP value is 0, and VV in the range of [1-23], then periodic status messages will be sent multiple times per day, with period being specified as VV time.

E. g. XXXX_INFO:0.2 means that status message will be sent every 2 hours.

To disable periodic status messages send the following SMS message:

```
XXXX_INFO:00.00
```

The status messages will not be sent until enabling or restoring default parameters or receiving previously described XXXX_INFO:PP.VV SMS message.



2.8 Sending Messages from Any Phone Number

The system is set so that the relay of the unit can be controlled only by the users entered on the system. However, it is possible turning on a special mode the relay can be turned on by any caller calling to the SIM card number of the device.

To turn on this mode send the following SMS message:

```
XXXX_ALLNUM:ON
```

To turn off controlling from any phone send the following SMS message:

```
XXXX_ALLNUM:OFF
```

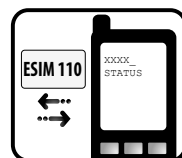
2.9 Input Status

To find out current input names and their settings send the following SMS message:

```
XXXX_STATUS
```

You will receive the answer, e. g.: Z1:Zone1:ON/OFF T1:600 Z2:Zone2:ON/OFF T2:600 Z3:Zone3:ON/OFF T3:600

T1, T2 and T3 – delay of particular input in milliseconds, i. e. a period during which the input starts reacting to signal change. For instance, the alarm will be triggered just in the case when voltage (signal) is supplied for at least 600ms.



2.10 Changing input names

Input names set by the manufacturer: Z1- Zone1, Z2-Zone2, Z3-Zone3. Any of these names can be changed by the user. The names cannot repeat or coincide with control commands.

Input names can be changed by sending the following SMS message:

```
XXXX_Z1:NewInputName_Z2:NewInputName_  
Z3:NewInputName
```

The user can change all names at once, several names or only one name. Maximum input name length is 8 characters.

E. g. XXXX_Z2:OpenGate



2.11 Input arming/disarming

Input arming

Any of the inputs can be armed by sending the following SMS message:

```
XXXX_Z1:ON_Z2:ON_Z3:ON
```

E. g. XXXX_Z2:ON or XXXX_doors:ON

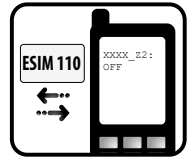


Input disarming

Any of the inputs can be disarmed by sending the following SMS message:

```
XXXX_Z1:OFF_Z2:OFF_Z3:OFF
```

E. g. XXXX_Z2:OFF or XXXX_doors:OFF



2.12 Configuring input impulse duration

Impulse duration can be changed for any IN1-IN3 input. The input is triggered only if impulse duration is longer than the pre-set value. Duration set by the manufacturer is 600ms.

This parameter can be changed for every input or for all inputs at once by sending the following SMS message:

```
XXXX_T1:TT_T2:TT_T3:TT
```

where TT means input reaction time in milliseconds. Possible TT values are 100-42000000. Measuring is by 100.

E. g. XXXX_T3:300000 means that IN3 input will react only if the impulse was not shorter than 5mins.



3. Appendix

3.1 Restoring Default Parameters

To restore default parameters:

1. disconnect power supply and USB connector
2. short circuit (connect) connectors D1 and D2
3. connect power supply for several seconds
4. disconnect power supply
5. disconnect connectors D1 and D2

3.2 Esim110 ConfigTool configuration software

To configure the system quicker and easier as well as use more system capabilities use configuration program „Esim110 ConfigTool“ which can be downloaded from our website www.eldes.it

Before connecting USB cable to the computer read Esim110 ConfigTool user guide available in the program chapter HELP.

3.3 ESIM110 control by GPRS

3.3.1 How to connect to ESIM110 through www.eldes.it website

In order to connect to ESIM110 using your web browser, ensure the following conditions:

- ESIM110 is with a SIM card placed in it.
- Power supply is connected.
- The default 4-digit password is changed to a new one and your mobile number is uploaded as administrator mobile number.
- The device isn't connected to computer with USB cable.

Activate GPRS connection between ESIM110 and the server.

Use default settings*1 to connect to ESIM110 through www.eldes.it website. If default settings is changed, set ESIM110 to work in Client mode and make sure that GPRS server parameters is set to default. To select Client mode send SMS message with the following text:

```
XXXX_setgprs:type:client
```

Activate GPRS connection using standart or one-time GPRS parameters*:

To use standart GPRS parameters, send SMS message with the following text:

```
XXXX_connect:profile1
```

Here 'profile1' is the default name of your standart GPRS parameters. By default settings, ESIM110 will connect to ELDES server and session will be activated for 20 minutes.

To use one-time GPRS parameters, for example send SMS message with the following text*1:

```
XXXX_connect:timeout:MM
```

Here 'MM' – time duration in minutes. In the example above, ESIM110 will connect to ELDES server and session will be activated for MM minutes.

The system generates and sends login details to your mobile telephone.

Upload www.eldes.it/login webpage in your web browser and login with received username and password to the ESIM110 configurations webpage.



Make configurations to the device, update users database or/and review the device activity summary.*3

To work properly using configurations web interface, you should wait while webpages is fully downloaded to your web browser before doing other actions.

Kitu atveju galimi atvaizdavimo iškraipymai ar nesutapimai!!

Stop the session**4.

If connection session hasn't ended before you closed configurations webpage, send SMS message in the following format:

```
XXXX_stop
```



*1 – check Table 1 and examples *2 – Device will use standart or one-time GPRS parameters to connect with a server. Standart GPRS parameters can be stored to device memory by SMS messages, software or web browser. Those parameters will be accessible with profile name which you have to include when sending SMS message to activate GPRS connection. Use one-time GPRS parameters when you want to change only one or several parameters from the standart GPRS parameters and use it only for upcoming session. *3 – For more information download esim010_gprs.pdf from www.eldes.lt website. *4 - If session ends and you haven't made all the necessary configurations, you will have to start a new session and login to a webpage with new username and password (repeat all steps from no.2).

3.3.2 How to connect directly to ESIM110 with your web browser.

ATTENTION: you can proceed through these instructions only if the sim card inserted in the device will have static ip address (request your gsm operator if he can provide it).

Ensure the following conditions:

- ESIM110 is with a SIM card placed in it.
- Power supply is connected.
- The default 4-digit password is changed to a new one and your mobile number is uploaded as administrator mobile number.
- The device isn't connected to computer with USB cable.

Update standart GPRS parameters. *1.

Activate Server mode by sending SMS message with the following text:

```
XXXX_setgprs:type:server
```



Activate GPRS connection between ESIM110 and your computer.

You can indicate to use standart or one-time GPRS parameters*2:

To use standart GPRS parameters, send SMS message with the following text:

```
XXXX_connect:profile1
```



Here 'profile1' is the default name of your standart GPRS parameters. ESIM110 will connect to your computer and session will be activated for 20 (by default settings) minutes.

To use one-time GPRS parameters, for example send SMS message with the following text

```
XXXX_connect:timeout:MM
```



Here 'MM' – time duration in minutes. In the example above, ESIM110 will connect to your computer and session will be activated for MM minutes.

The system generates and sends login details to your mobile telephone.

Upload http://SIM_card_IP:local_TCP_port webpage in your web browser and login with received username and password to the ESIM110 configurations webpage. Here 'SIM_card_IP' is the IP address of your SIM card, 'local_TCP_port' – TCP port of your computer which is used to communicate with ESIM110 (For example <http://195.22.161.210:5000>).

Make configurations to the device, update users database or/and review the device activity summary.

To work properly using web configurations interface, you should wait while webpages is fully downloaded to your web browser before doing other actions.

Stop the session**4.

If session hasn't ended before you closed configurations webpage, send SMS message in the following format:

```
XXXX_stop
```



*1 – Device will use standart or one-time GPRS parameters to connect with a server. Standart GPRS parameters can be updated to device memory by SMS messages, software or web browser. Those parameters will be accesible with profile name which you have to include then sending SMS message to activate GPRS connection. Use one-time GPRS parameters when you want to change only one or several parameters from the standart GPRS settings and use it only for upcoming session. *2 – check Table 1 and examples *3 – Download esim010_gprs.pdf from www.eldes.lt for detailed information. *4 - If session ends and you haven't made all the necessary configurations, you will have to start a new session and login to a webpage with new username and password (repeat all steps from no.3).

3.3.3. Standart GPRS parameters.

Settings	Parameters	Default	Description	Mode*
type	client / server	client	Choose Server mode if you want to connect directly to the device (inserted SIM card must have static IP address). Choose Client mode if you want to connect through www.eldes.lt website.	-
profile	Code name	profile1	The code name of the standart GPRS parameters. Configurable only by software or using web interface.	Both
ip	IP or DNS address	config.eldes.lt	ELDES server parameter. It is recommended not to change this default parameter.	Client
port	xxxx	5555	ELDES server parameter. It is recommended not to change this default parameter.	Client
dns1	IP address	84.32.3.34	ELDES server parameter. It is recommended not to change this default parameter.	Client
dns2	IP address	84.32.134.1	ELDES server parameter. It is recommended not to change this default parameter.	Client
lport	xxxx	5000	Computer TCP port used for communication with the device.	Server
timeout	xx	20	Time of one session; when this period expires the administrator has to connect anew using new connection data.	Both
protocol	TCP / UDP	TCP	Data transmission protocol. It is recommended not to change this default parameter.	Both
apn	-	-	GPRS diversion point provided by the GSM operator of the used SIM card. Entered only in the case if GSM operator requires it.	Both
user	-	-	GPRS username. Entered only in the case if GSM operator requires it.	Both
password	-	-	GPRS user password. Entered only in the case if GSM operator requires it.	Both

* – indicates in which working mode selected parameter is required.

Examples: how to create SMS messages.

To update standart GPRS parameters with a new one, send SMS message in the following format:

```
XXXX_setgprs:Settings:Parameters
```

Here in the place of 'Settings' and 'Parameters' enter the corresponding commands from Table 1. For example, sending SMS message „0001 setgprs:type:server“ you indicate to ESIM110 to work in Server mode from the next session.



To activate GPRS connection with unique GPRS parameters only for the upcoming session, send the following SMS message:

XXXX_connect:Settings:Parameters

Here in the place of 'Settings' and 'Parameters' enter the corresponding commands from Table 1. For example, sending SMS message „0001 connect:timeout:25“ you indicate to ESIM110 to start GRPS connection for 25 minutes (session time). To specify more than one parameter, you have to separate settings and parameters with ';' symbol (for example, sending SMS message „0001 connect:type:client;timeout:25“ you indicate to ESIM110 to work in Client mode for 25 minutes).



3.4 Technical Support

Indication	Possible reason
Indicator is off or not blinking	• no external power supply • circuit not properly connected • blown fuse • no network signal
Indicator blinking several times per second	• SIM card is not inserted • PIN code hasn't been disabled • Sim card not active
System does not send any SMS messages	• SIM card account depleted • incorrect SIM central number • no network signal • user number is not programmed in user list
Received SMS message "Incorrect Format"	• incorrect syntax • extra space symbol left in SMS message

If your problem could not be fixed by the self-guide above, please contact your distributor or ELDES tech support by email support@eldes.it
More up to date information about your device and other products can be found at the manufacturer's website www.eldes.it