



SMARTGATE

MANUAL

ELDES SMARTGATE SOLUTION OVERVIEW



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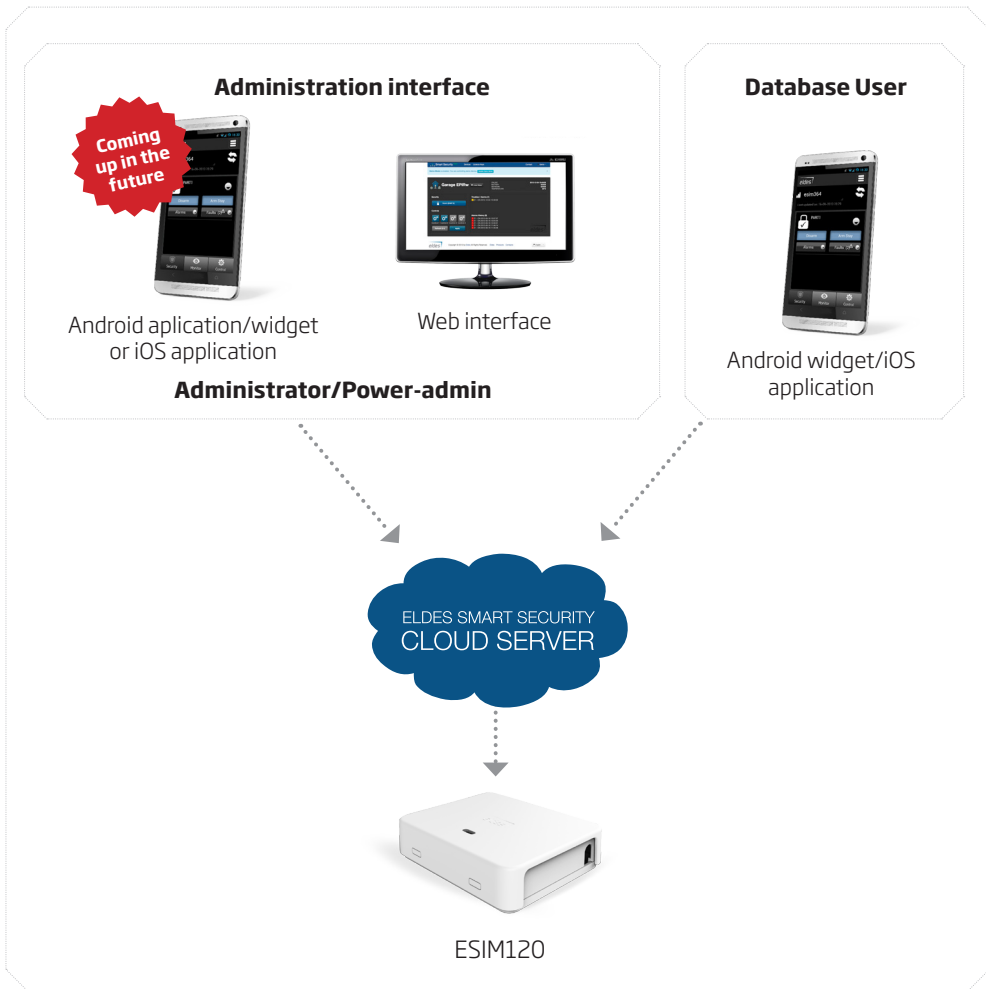
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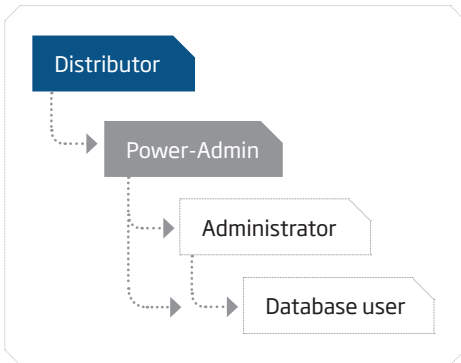
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ELDES Smart Gate is a sub-platform of ELDES Smart Security. It has been designed exclusively for ESIM120 GSM switch-gate controller monitoring, control and remote configuration. The solution consists of:

- ESIM120
- Gate automation device
- Android widget/iOS application
- Administration interface via web
- ELDES Smart Security server



User hierarchy




1. GETTING STARTED

1. Power up the ESIM120 device and configure it using *ELDES Configuration Tool* software to establish a connection with ELDES Smart Security server. For more details, please refer to the software's HELP file.
2. Create a Power-Admin account. For more details, please refer to **ELDES SMART SECURITY CLOUD SERVER OVERVIEW** document's **1. Creating a Power-Admin Account**.
3. Log in to your Power-Admin account by visiting <http://security.eldes.it>.
4. Add ESIM120 device to your Power-Admin account. For more details, please refer to **ELDES SMART SECURITY CLOUD SERVER OVERVIEW** document's **2.1. Add, Remove Device**.
5. If you wish to grant permission to a user to monitor GSM signal level, view alerts and other related information as well as to configure and control the device via web-browser or smart-phone application, please add an Administrator account (-s) to your Power-Admin account and assign one or more ESIM120 device (-s). For more details, please refer to **ELDES SMART SECURITY CLOUD SERVER OVERVIEW** document's **2.2. Add, Remove Administrators**.
6. Add a database user account that would be permitted only to control the device via free of charge phone call and smart-phone Android widget/iOS application. Please refer to 2.2. User Database Management and **2.3. Adding Users for Android Widget and iOS Application respectively**.
7. Download Android widget from **Google Play** store or iOS application from **App Store** and install it.
8. Log in to Android widget/iOS application using the login details provided by the administrator.

2. FEATURES

2.1. ESIM120 Remote Configuration

ELDES Smart Gate solution provides a remote configuration feature for ESIM120. It is simply enough to log in to your Power-Admin or Administrator account and click the  button located next to the desired ESIM120 device. The remote configuration environment was designed based on the *ELDES Configuration Tool* software's interface, therefore you may refer to the software's HELP section for a more detailed description on a certain parameter.

Configuration

Name

Gates

State

Online

Imei

8617850C99602B7

Model Name

ESIM 120

Phone Number

+37068232655

EDIT

Firmware

V21.04.00

Last syno:

2013-09-24 15:00:53

GET CONFIGURATION

Main Settings

Users Database

Inputs/Outputs Control

GPRS Settings

Schedulers

System

Event Log

Administrators

Admin1

+ 37068232696

☒ User Database Enabled

Admin2

+

☐ Send Alarm SMS to all Admins simultaneously

Admin3

+

☐ Call Back to Admin/User after Output Control Action

Admin4

+

☐ Allow output control by call from any phone number

Admin5

+

☒ Send system startup SMS

International number, eg. 370 60802312

Password

SMS Password * 0001 4 digits

Language


SMS Language * English

Info SMS Scheduler

Frequency (days) * 0 Range 0-125

2.2. User Database Management

ESIM120 features a user database of up to 500 users that are permitted to control the device output by free of charge phone call. To add a user to the database, please follow these steps:

1. Log in to your Power-Admin or Administrator account.
2. Once logged in, you will be directed to **Devices** section.
3. Click the  button located next to the desired ESIM120 device.

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4. In the following section, fill in the required information. For more details on the parameter description, please refer to *ELDES Configuration Tool* software's HELP section.
5. If you do not require the ESIM120 device to be controlled via Android widget/iOS application, but only by free of charge phone call, please set **App Access** → **Disabled**. Otherwise, please refer to **2.3. Add, Remove Users for Android Widget and iOS Application**.

Device user

Fields with * are required.

Profile

Phone *

+

International number, eg. 37080802312

Name

Mobile App Access

App Access

Enabled

Username

Password

Output

Controller1

Access Settings

Output *

Controller1

Scheduler List

1

2

3

4

5

6

7

8

Valid Until Date

Unlimited

SET UNLIMITED

Valid Until Time

00:00

Ring Counter

SAVE

CANCEL

RESET

6. Click **SAVE** button to create a database user account after the information is filled in.

7. User database account created.

RELOAD FROM SERVER DB

RELOAD FROM DEVICE DB

ADD USER


Displaying 1-2 of 2 results.
498 free entries left.

Name	Phone	Output	Scheduler 12345678	Valid Until	Ring Counter	Ring Counter Status	App Access
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Tadas K	37080802669	Controller1	00000000	none	none	none	Enabled
Test002	37089232655	Controller1	00000000	none	15	15	Enabled


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To remove the database user account, please follow these steps:

1. Log in to your Power-Admin or Administrator account.
2. Once logged in, you will be directed to **Devices** section.
3. Click the  button located next to the desired ESIM120 device.



4. In the following section click the  button located next to the database user account that is to be removed.

↺ RELOAD FROM SERVER DB

↵ RELOAD FROM DEVICE DB

➕ ADD USER

Displaying 1-2 of 2 results
498 free entries left


Name	Phone	Output	Scheduler 112131415161718	Valid Until	Ring Counter	Ring Counter Status	App Access
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tadas K	37090902669	Controller1	0101010101010	none	none	none	Enabled
Test002	37098232655	Controller1	0101010101010	none	15	15	Enabled

5. Database user account removed.

NOTE: Depending on the license type, the administrator might be permitted to manage only a certain number of database users. For more details on how to remove this restriction, please contact your supplier.

2.3. Add, Remove Users for Android Widget and iOS Application

To add a user to the database that will be permitted to control ESIM120 using Android Widget and iOS application, please follow these steps:

1. Log in to your Power-Admin or Administrator account.
2. Once logged in, you will be directed to **Devices** section.
3. Click the  button located next to the desired ESIM120 device.



4. In the following section, fill in the required information. For more details on the parameter description, please refer to *ELDES Configuration Tool* software's HELP section.

5. Ensure that **App Access** is set to **Enabled** and fill in the required information. Please note that in **Mobile App Access** part:

- **Username** – User name used for logging in to Smart Gate interface via Android widget/iOS application. The initial user name is generated automatically according to the user phone number and restricted to be changed to any other user name.
- **Password** – Password used for logging in to Smart Gate interface via Android widget/iOS application. The initial password is generated automatically and can be changed to any other password of your choice.
- **Output** – Determines the output that will be allowed to control by the database user via Android widget/iOS application. If **All** is selected, the user will be able to select in the Android/widget iOS application which one of the two outputs to control.

Device user

Fields with * are required.

Profile

Phone *
International number, eg. 37060802312

Name

Access Settings

Output *

Scheduler List ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8

Valid Until Date **SET UNLIMITED**

Valid Until Time

Ring Counter

Mobile App Access

App Access

Username

Password

Output

SAVE

CANCEL

RESET

6. Click **SAVE** button to proceed with creating a database user account; **CANCEL** - to return to user database management section; **RESET** - to clear all the entries that had been filled in before saving.

RELOAD FROM SERVER DB

RELOAD FROM DEVICE DB

ADD USER

Displaying 1-2 of 2 results
498 free entries left

Name	Phone	Output	Scheduler 1 2 3 4 5 6 7 8	Valid Until	Ring Counter	Ring Counter Status	App Access
<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tadas K	37060802669	Controller1	0 0 0 0 0 0 0 0	none	none	none	Enabled
Test1002	37068232655	Controller1	0 0 0 0 0 0 0 0	none	15	15	Enabled

To remove the option from database user account to control the device via Android widget/iOS application, please follow these steps:

1. Log in to your Power-Admin or Administrator account.
2. Once logged in, you will be directed to **Devices** section.
3. Click the button located next to the desired ESIM120 device.



4. In the following section click the button located next to the desired database user account.

↻ RELOAD FROM SERVER DB

↻ RELOAD FROM DEVICE DB

ADD USER

Displaying 1-2 of 2 results.
498 free entries left.

Name	Phone	Output	Scheduler 1 2 3 4 5 6 7 8	Valid Until	Ring Counter	Ring Counter Status	App Access
<div></div>	<div></div>	<div></div>		<div></div>	<div></div>	<div></div>	<div></div>
Tadas K	37080802889	Controller1	0 0 0 0 0 0 0 0	none	none	none	Enabled
Test002	3708232855	Controller1	0 0 0 0 0 0 0 0	none	15	15	Enabled

5. In the following section set **App Access** to **Disabled** and click **SAVE** button.

Profile

Phone *

+ 37080808888

International number, eg. 37080802312

Name

Tadas K

Mobile App Access

App Access

Enabled

Username

37080808888

Password

811111

Output

Controller1

SAVE

CANCEL

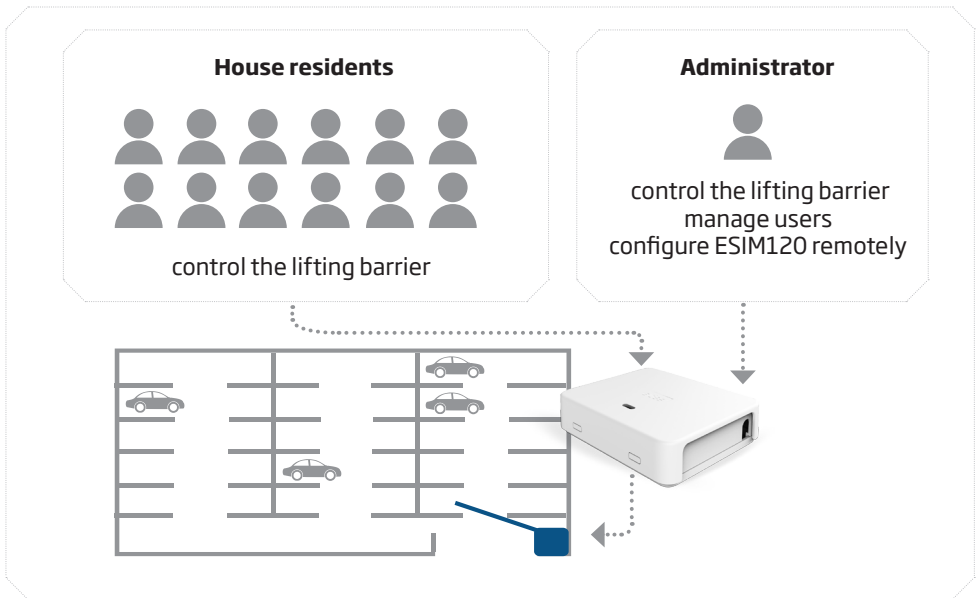
RESET

6. The user will no longer be able to control the device using Android widget/iOS application.

3 .SECURITY RECOMMENDATIONS

3.1. Residential House Community

One of the most common areas of use for ESIM120 is a parking lot of the residential house community. ELDES Smart Gate allows to manage the gate barrier control as well as ESIM120 remote configuration.

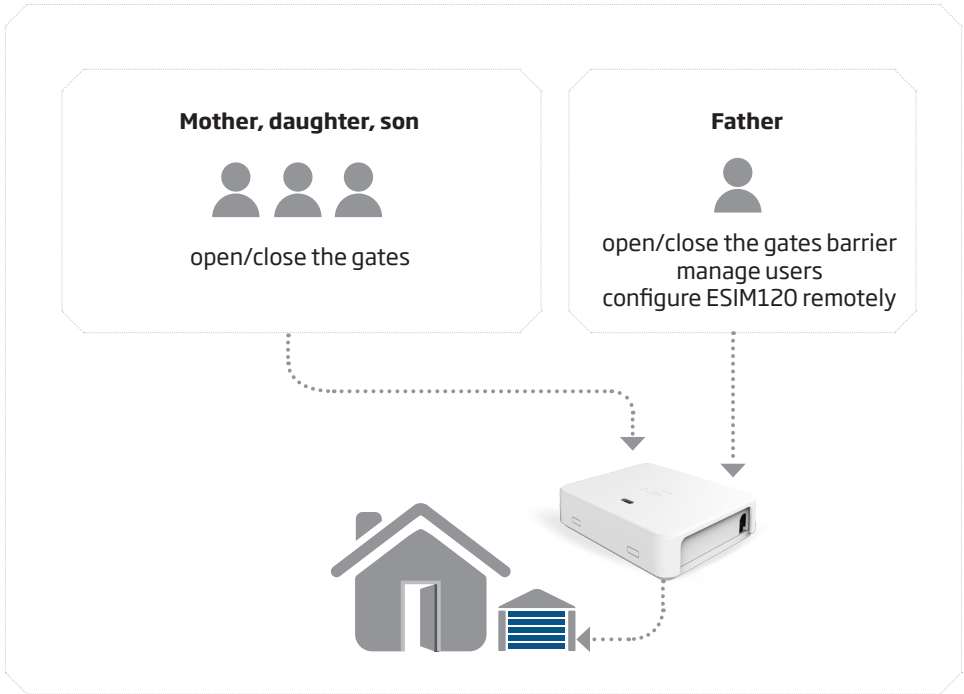


Follow these steps to set up ELDES Smart Security according to the example provided above:

1. Log in to your Power-Admin account.
2. Add an Administrator account to the associated Power-Admin account and assign the desired ESIM120 device or use the Power-Admin account solely for further device management.
3. Get the list of names with phone numbers of the house residents and add this information to the user database via Administrator account (see **2.2. User Database Management**).
4. Enable or disable access to ESIM120 control via Android widget/iOS application (see **2.3. Add, Remove Users for Android Widget and iOS Application**).
5. The house residents who are permitted to control ESIM120 not only by free of charge phone call, but also via Android widget/iOS application, should download those items from **Google Play** store or **App Store** respectively and install on their smart-phones.
6. The log in details for the Android widget/iOS application must be provided by the Administrator.
7. If the residential house community is hiring a company to install ESIM120 device, due to the security reasons, we highly recommend to demand the company to transfer full control over the ESIM120 device to one of the responsible community members (administrator) of the community. To do so, migrate the device from the Power-Admin account of the installation company to your administrator's Power-Admin account. For more details, please refer to **ELDES SMART SECURITY CLOUD SERVER OVERVIEW** document's **2.6. Migrate Devices**.

3.2. Private House

Another area of use for ESIM120 is a private house gate control. In the following example the administrator is the father, while the rest of the family members are the database users.



Follow these steps to set up ELDES Smart Security according to the example provided above:

1. Log in to your Power-Admin account.
2. Add an Administrator account to the associated Power-Admin account and assign the ESIM120 device or use the Power-Admin account solely for further device management
3. Add the names with phone numbers of family members to the user database via Administrator account (see **2.2. User Database Management**).
4. Enable or disable access to ESIM120 control via Android widget/iOS application (see **2.3. Add, Remove Users for Android Widget and iOS Application**).
5. The family members who are permitted to control ESIM120 not only by free of charge phone call, but also via Android widget/iOS application, should download those items from **Google Play** store or **App Store** respectively and install on their smart-phones.
6. Provide the log in details to the family members for the Android widget/iOS application.
7. If you are hiring a company to install ESIM120 device, due to the security reasons, we highly recommend to demand the company to transfer full control over the ESIM120 device to one of your family members (administrator). To do so, migrate the device from the Power-Admin account of the installation company to your family member's Power-Admin account. For more details, please refer to **ELDES SMART SECURITY CLOUD SERVER OVERVIEW** document's **2.6. Migrate Devices**.