Ek EKSELANS BY ITS

USER MANUAL

SEKUR IP

261021

IP ALARM KIT

V05

TABLE OF CONTENTS

INTRODUCTION.

Alarm System Description.

Ekselans by ITS presents the new SEKUR IP alarm with WiFi/IP connection and GSM back-up. This new family appears as an important evolution of the previous GSM-1 system, adding new and very interesting functionalities. SEKUR IP is made up of a wireless alarm kit that includes a panel with a modern EK aesthetic, a motion detector with pet protection, a door-window detector and two remote controls. The panel can be connected to the home router via RJ45 or WiFi, and thus be able to access the management of the system through a mobile application. Additionally, a mobile phone SIM can be added so that, in the event of a specific failure in the internet connection, the alarm can be communicated via SMS messages. An unlimited number of accessories can be connected to the SEKUR IP control panel (motion detectors, door-window detectors, water indicators, wireless keypad, indoor and outdoor sirens...) belonging to both this new range and the previous one. In addition to the traditional accessories, we present innovative accessories such as a smart plug with remote management through the mobile phone and two IP CCTV cameras, PTZ and bullet type, which connected to the SEKUR IP alarm allow for a complete security system with video surveillance. The two IP camera models are HD 1080P with 2MP which can be accessed remotely through the same alarm app. In addition, the cameras can also be installed autonomously and accessed through a second application that EK has developed for this purpose.

Important Notes for Users.

- Please connect the power cable before first using.
- All sensors and devices in the package have already been paired with the main box before shipping. Users can start using the whole system after setting the network. For the extra accessories (like sensors or smart devices) you need to pair them with the system for working normally.
- We make this system easy to set and use. Most users can finish all process within 15 minutes. If there is any problem with the setting, please stop and contact the distributor for help.
- All manuals, warranty cards, nameplates and stickers with QR codes or barcodes, should be carefully kept for further use.

About Safety.

- This system does not offer any guarantee of protection against burglary, robbery, theft, or any type of emergency. It is a DIY product and does not come with a traditional monitoring service. However, most of the risks have been considered in our design to make your home safer.
- The users should continue to act prudently to protect the security of their lives and property. Any alarm system is subject to compromise or failure for a variety of reasons as follows:
  - An intruder may gain access through unprotected openings.
  - An intruder may have the technical sophistication to bypass a sensor or the whole system.
  - Signals sent by the main box or sensors may be blocked or reflected before being received, and a block can occur if metal objects are moved into the path of the signal.
  - Motion sensors can only detect the intrusion within the specified ranges and unobstructed areas.
  - Malfunction of routers, limited services by wireless phone carriers or internet service providers, limited service such as text messages or push notification provided by smartphone makers.
  - Component failures or some other errors happen in the electrical system.

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Requirements.

- Wired/Wireless Router compatible with Wi-Fi IEEE 802.11 b/g standard.
- Internet Service Provider.
- Mobile Telephone SIM card (only GSM/WCDMA/LTE SIM card, not CDMA one).
- iPhone or Android smartphone.
- iOS version 7.0 or higher.
- Android version 4.3 or higher.

System Status & User Authorities.

- The SEKUR IP system does not support any wired sensors. The main box communicates with all sensors via wireless RF signal protocols.
- Most of the sensors have low battery warning mechanism. Users would receive notifications before the battery runs out.
- The system can change its security status according to the commands given by users or the signals sent from the triggered sensors.

ARM: All working sensors can be triggered. The system will generate an alarm when receiving the trigger signal sent from sensors.	**DISARM:** This mode will de-activate all sensors. This mode will also turn off the siren and stop the alarm process.
HOME ARM: This mode will allow some selected sensors to keep working while others are deactivated. These sensors could be selected in App	**SOS:** This mode will trigger built-in siren and send alarm messages to emergency contacts. It also triggers external sirens or other sensors like smart plugs.

- Life-related sensors like Smoke Detector or CO Sensor will keep working all the time.
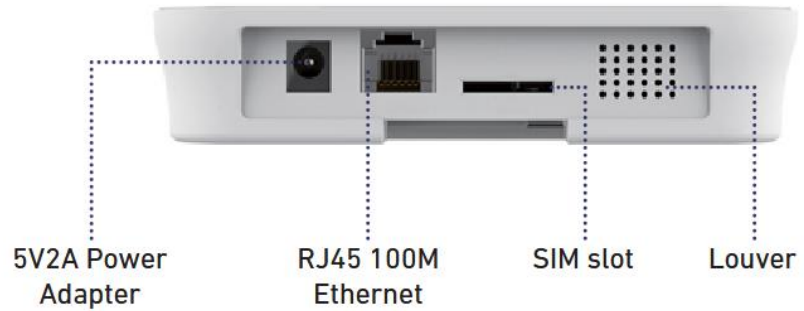- There are three levels of user authority:

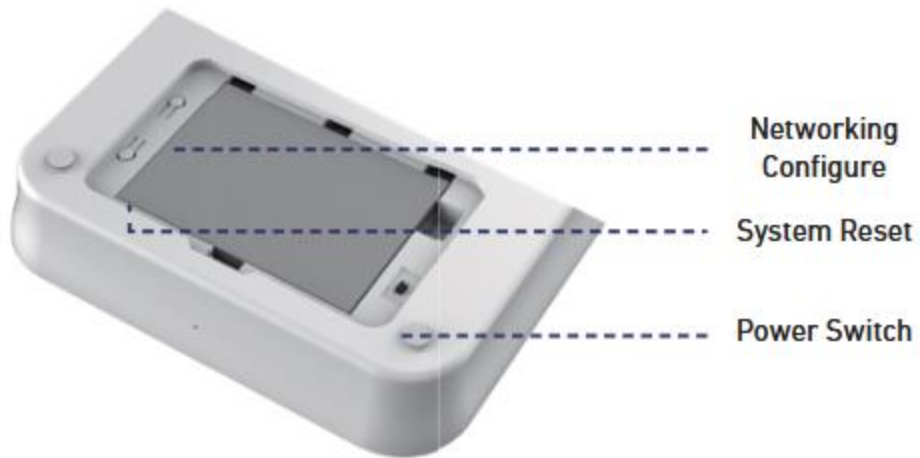| ADMINISTRATOR:	USER:	GUEST:
Who can fully control the system and invite other users with assigned levels.	Who can operate ARM/ DISARM/HOME ARM/SOS and control the smart plugs and cameras, also can invite other people as USER or GUEST.	Who can only operate ARM / DISARM / HOME ARM / SOS.

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The Outlook.

Front View

Top View

5V2A Power Adapter

RJ45 100M Ethernet

SIM slot

Louver

STATUS	LED	MEANING
Normal Status	Light ON	ARM/DISARM/HOME ARM/SOS Etc.
Setting Status	Fast Blinking	Networking Configure
		Rebooting
		Updating
Errors	Slow Blinking	Low Battery
		Networking Errors
		Other errors

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Back View

Wall Mounting Bracket

Siren Hole

Battery Cover

Networking Configure

System Reset

Power Switch

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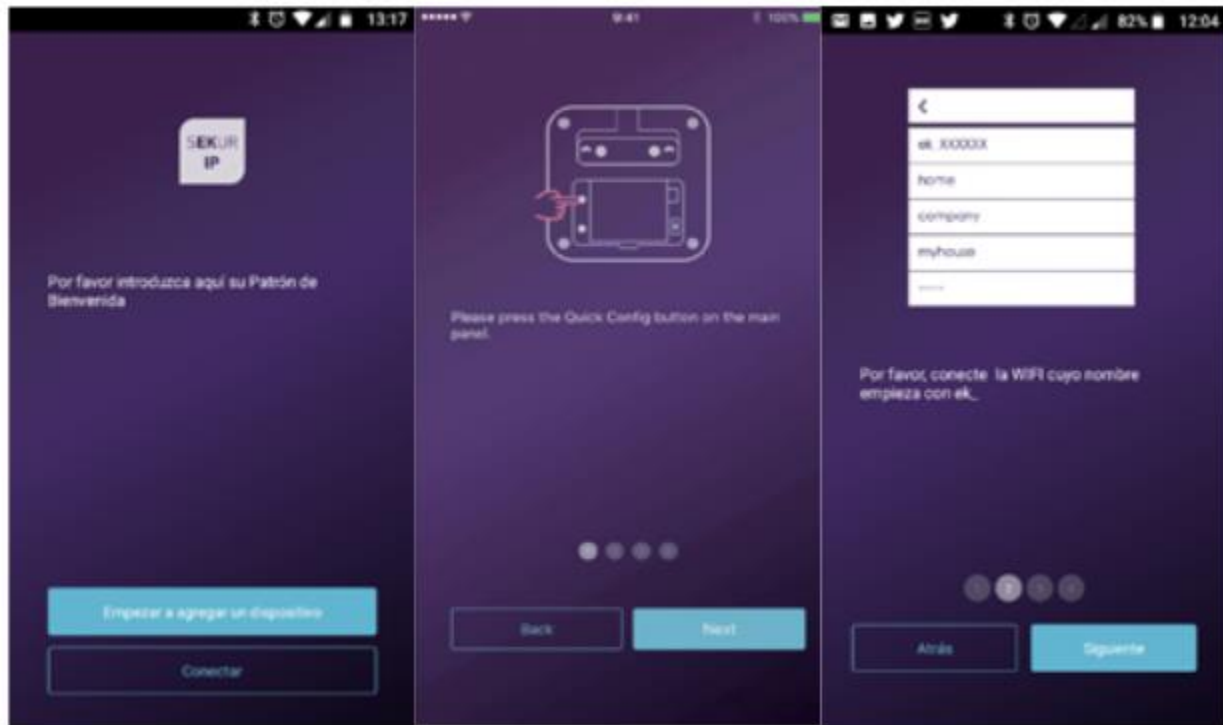Phone: +34935839543 · info@ek.plus · www.ek.plus

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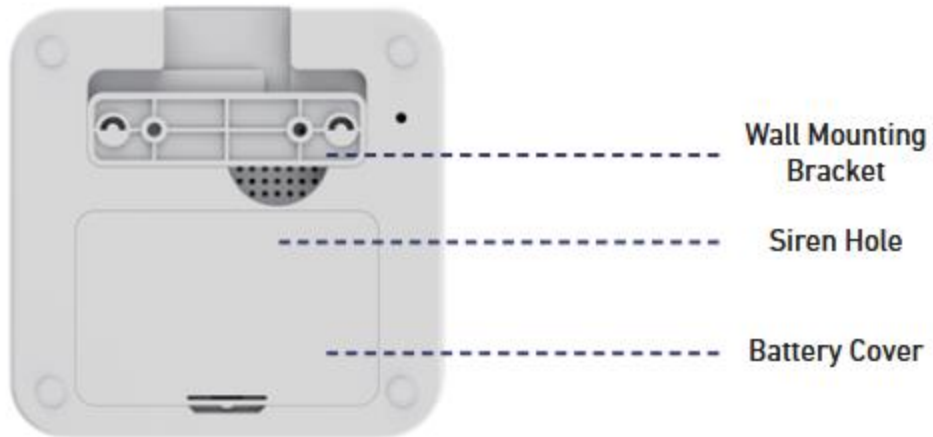
Quick Setting Up.

1. **Install the latest App.**
    o   Please search SEKUR IP in App Store or Google Play, or scan the QR code printed on the package to visit the download page directly.
2. **Prepare the Internet Networking.**
    o   Make sure that the router you are using is connected to the internet with DHCP mode enabled. Sekur IP supports the IPV4 protocol only.
    o   The system supports the following network types:
        o   LAN: Ethernet 10/100M.
        o   Wifi: 2.4 GHz, WEP/WPA/WPA2.3 encryption.
3. **Put the Main Box to a Suitable Place.**
    o   If you are using WiFi connection for the box, try your phone first to see if it could be connect to that WiFi around the installing location, to ensure the WiFi signal can be received by the main box.
4. **Install the SIM Card (Optional).**
    o   Open the battery cover on the back, turn OFF the power switch.
    o   Open the SIM slot and insert the SIM card. Standard SIM card is required. If you are using the Nano-SIM or Micro-SIM, please use card adapter to make sure it could fit the slot.
    o   Close the SIM slot.
5. **Power ON.**
    o   Connect the power cable and turn ON the power switch.
    o   Wait a few seconds until the LED indicator on the front cover light up brightly.
6. **Network Configuration.**
    o   Hold the Networking Setting Button in the battery cover until the LED indica- tor starts flashing.
    o   Launch the App - [Start to add a main panel] - [Quick Config Mode], following the guideline to finish the networking process.

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When the app asks you to connect to the WiFi ek_xxxxx enter the password 1234567890.

NOTE: In some cases, if process can not be completed, and depending on terminal, data from telephone should be disconnected manually in order to be able to finish configuration.

7. **Check Setting.**
   o Make sure your mobile phone has been connected to the Internet via cellular or Wi-Fi
   o Try pressing ARM/DISARM button in App, to see if the status icon in App would be changed immediately.
   o Try using remote control, pressing ARM / DISARM button to see if the status icon in App would be changed immediately.

8. **Finishing & Mounting.**
   o Put the battery cover back.
   o Place your main box on the desktop or using the bracket to mount it on the wall.

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Operating by App.

Introducing the Main User Interface.
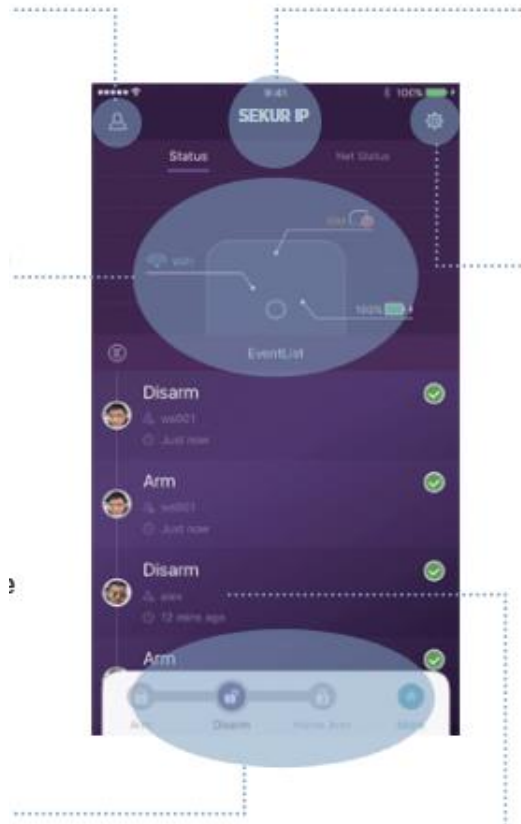
User Settings
The entry for all account
Settings:
-Bind Devices
-Phone/Email/Password
etc,.

Real-time Status Diagram
Here shows the real-time
status and the networking
connecting quality of the
system, the two crucial
information for users.
When system status is
changed, the diagram
would indicate it
immediately. To be user-
friendly, the
color and icon using in the
diagram would be easy to
understand.

Shortcut Toolbar
Two fixed shortcuts: Arm,
Disarm.
User customized: Home
Arm(default), SOS,
Smart Camera, Smart
Plugs, etc,.
By using shortcuts, it
saves a lot of time to
operate the system.

Device List
Switch between all
main boxes of current
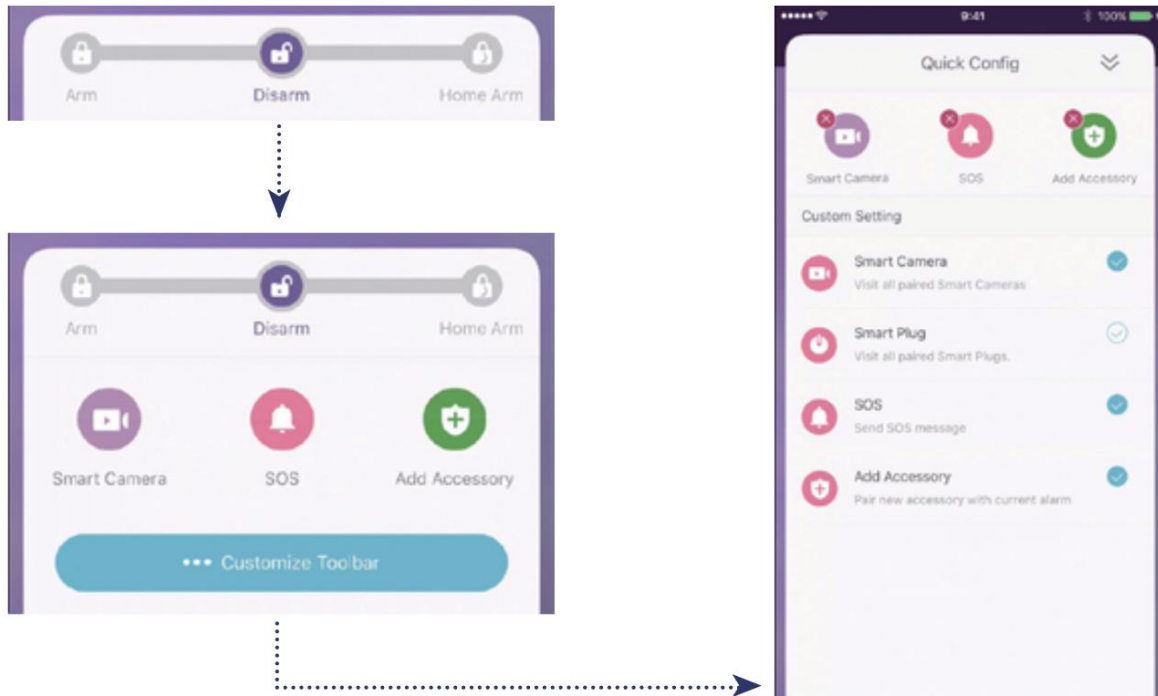user. Add/Remove
main boxes.

System & App Settings
The entry for system
settings and App
settings.
-Manage accessories
like
pairing and
removing.
-Adjust some other
system parameters like
Exit Delay, Entry Delay,
Duress Alarm, etc.,.
-Firmware update,
networking settings and
other device advanced
settings.

Event List
An event is one
operation
by users or one status
changing by
accessories.
The events would be
sorted by time, the
latest
event would be on the
top.

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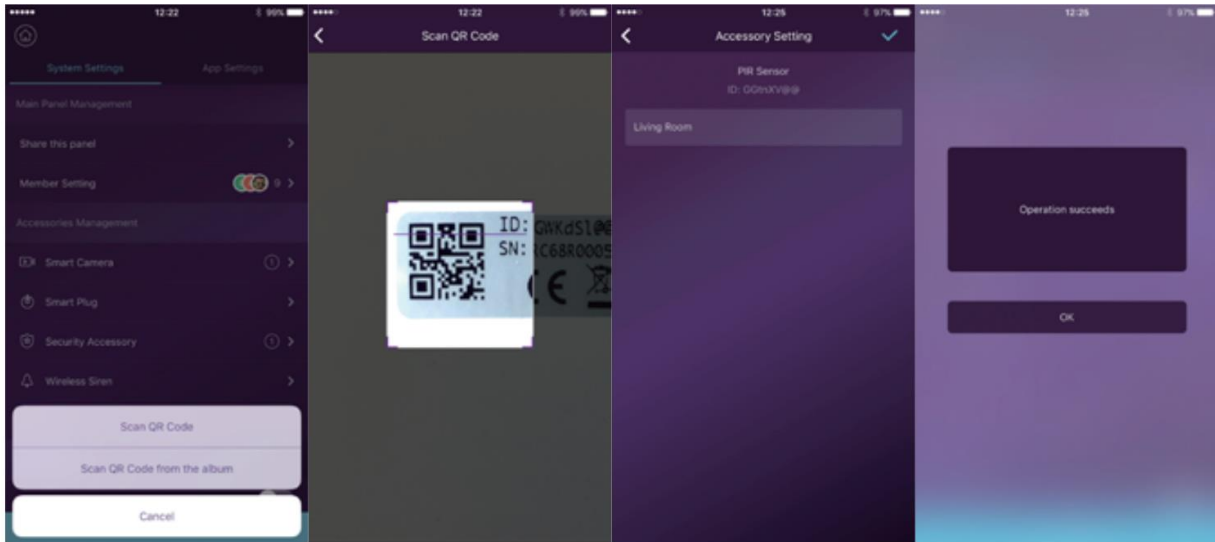
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Arming & Other Operations.

- Press the buttons listed on the toolbar.
- You would hear a feedback sound in App when the operation is done.
- It is recommended to add SOS button by customizing the toolbar for convenience.
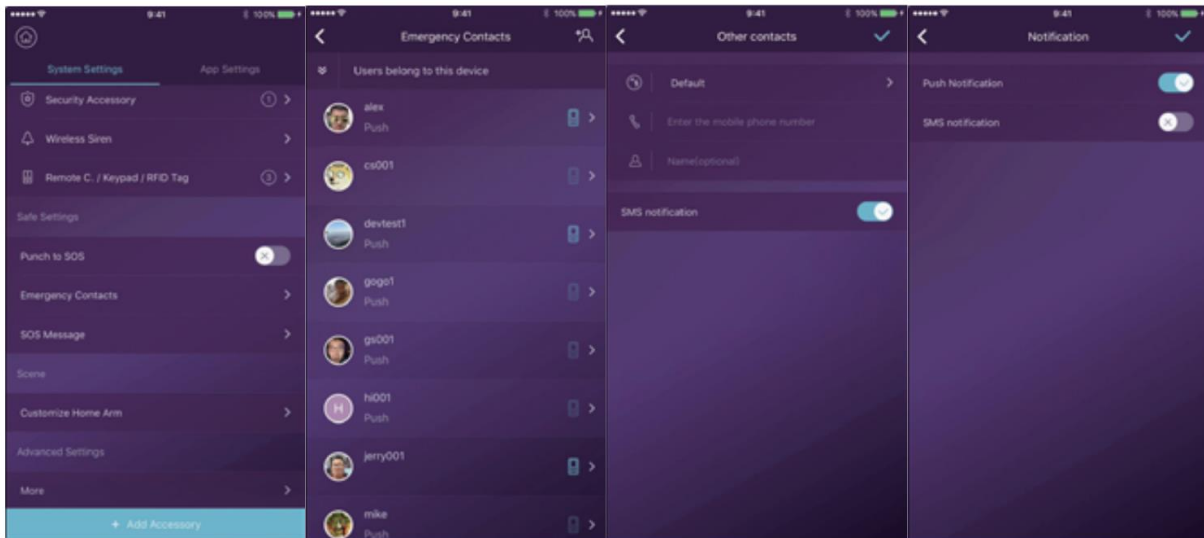

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Pairing New Accessories.
Scan QR Code: Recommended

1. Tap [Scan QR Code].
2. Code is printed on every accessory
3. Follow the guideline in App, done.

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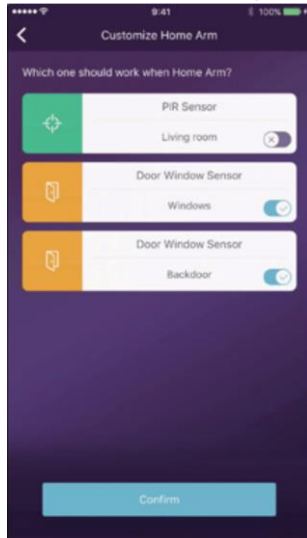Phone: +34935839543 · info@ek.plus · www.ek.plus

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Emergency Contacts Settings.

- All App users would be listed in Emergency Contact list automatically.
- Users can add mobile phone numbers in [Other Contacts] list.
- For the App users, the [Push Notification] option would be enabled by default, while the [SMS Notification] would be disabled by default. (SIM card required).
- For other contacts, the [SMS Notification] would be enabled by default.
- When emergency cases happen, the App users would get push notifications, while other users would get alert SMS message sent from the main box.

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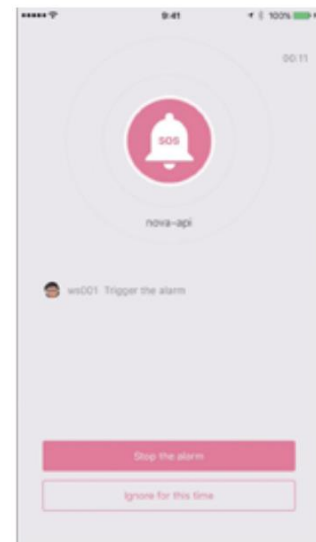
Home Arm Settings.

- When users are at home and only want to keep some sensors working, they could turn to Home. Arm status in App.
- When users tapping [Home Arm] button at the first time, the system would guide you to setup. Users just need to decide which sensor should work by tapping in App.
- Only those sensors support Home Arm feature would be listed here.

Accessories Management.
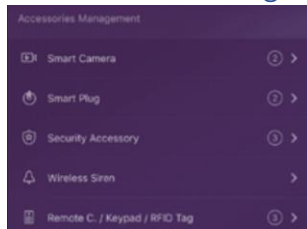
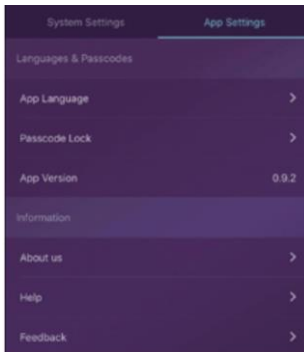- All accessories would be listed in [Device Set- ting]-[Accessories Management] and would be sorted by their types.
- Users can add, remove, and modify their settings in this area.
- Users can also control their cameras and plugs in one App.

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App Settings.

In this area, users can do following settings:

- Change App Language: It supports multi-languages which can be easily switched in App immediately.
- Passcode Lock: By enabling this feature, you would be asked to enter the passcode every time when App is activated from the background. In iPhone, the Touch-ID feature would be supported so users can use their fingerprints to use this App.
- Help & Feedbacks: Users can watch some tutorials online and also send feedbacks to our company directly in App.

Advanced Settings.

In this area, users can do following settings:
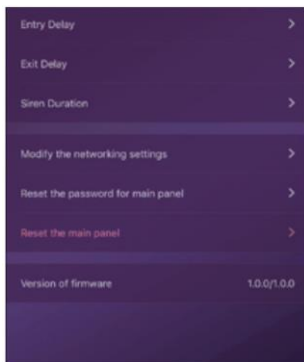
- Entry Delay: Users can decide which sensors' alarm signal should be held for preset time until the alarm goes off.
- Exit Delay: By enabling it, the system would wait for the preset time before really working when the ARM or HOME ARM button is pressed.
- Siren Duration: It defines how long the builtin siren should keep blaring while alarming.
- Network & Password Settings: It allows to reset the networking parameters or the system password.

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Share with others.

The owners can easily share their devices with the family members or friends, even they have not installed the App yet.

[Device Settings]-[Share Device] would generate a unique QR code which is linked to the current main box and the assigned authorities.

-Users can send this QR code to others by Facebook or WhatsApp.

-Scanning the QR code, users could launch the App if it has been installed before or go to App Store or Google.

Play to install the App.

-When the App is launched in the invited users' phone, the sharing main box would be added into their App.

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Panel management by GSM

Although this is primarily an IP alarm with GSM notification back-up, some functionality has been added via GSM in the latest versions of FW. This allows some basic handling in this mode, although both the initial pairing of the panel with App as well as configuration and addition of accessories must always be done first via LAN or Wi-Fi network.

GSM Features:

- Notification sent via SMS, functionality included from the beginning.
- System Assembly
- Disarming the system
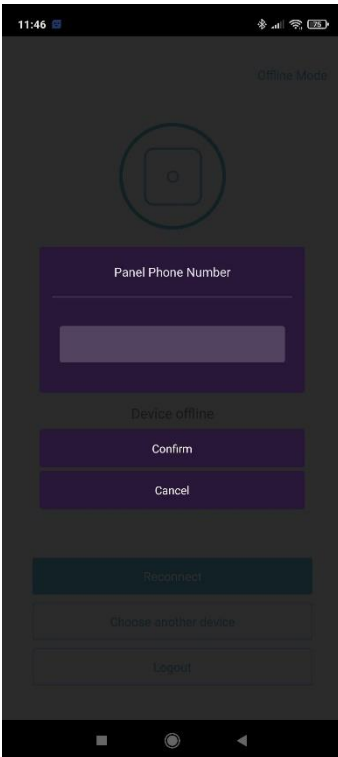- Home mode arming of the system
- SOS

GSM Mode Configuration:

In order for this mode to be activated, and not to be confused with the activation or deactivation of the reception of notifications via GSM, the panel must disconnect from both the LAN interface and WiFi.

Once this happens and after several seconds this screen will appear on the mobile:
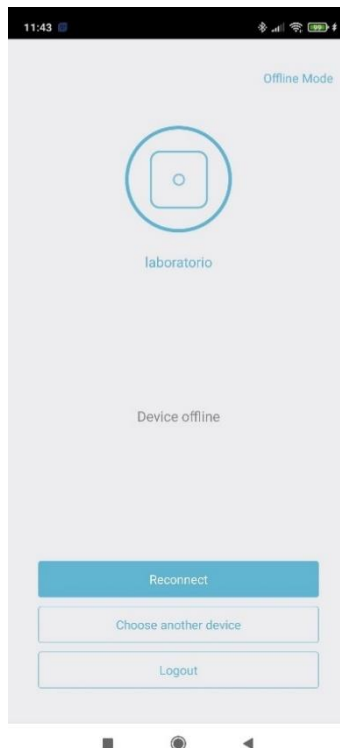
- Connect again: the system will try to reconnect in internet mode.
- Choose another device: in case you want to connect to a second panel.
- Disconnect
- Offline Mode: This is where we must click to enter GSM mode.

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- If the panel cannot obtain the phone number of the SIM card on its own, this window will appear to enter it manually
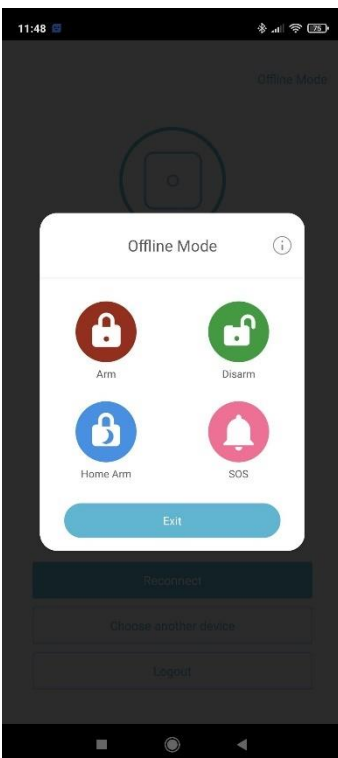
- Once the number is accepted, a window like this will appear, which is the one that will allow us to interact with the panel.

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How to operate:

Each time an order is given from the interface, the App will direct the user to the corresponding SMS interface of the mobile phone with the SMS already created. The user will simply have to confirm the shipment. An SMS acknowledging receipt will be automatically received from the panel. For any other type of SMS sent from the dashboard, the dashboard will follow the policy configured for that user.

Frequently asked questions

Q: *When the Internet connection is down, can the system still protect me?*

A: We have LAN/Wi-Fi/Cellular for communication. As recommended, LAN is the most reliable tunnel for Internet connection. In case that LAN and Wi-Fi both are off, the cellular network will work as a backup tunnel..

In most cases, the disconnection of Internet is caused by electricity failure, which means the system might have to run with the backup battery. In this case, we would suggest that you set the cellular network mode only for emergency cases in order to save power.

With backup battery, this system, can work perfectly to protect your home even if Internet connection is not available.

Q: *Sim card can not be recognized.*

A: Please make sure you are using GSM based sim card, this model only supports GSM sim card. For LTE sim card, please contact your carrier and ask if the sim card can support GSM for phone call and SMS message, since some cards are using volte which has not been supported by this model now..

Q: *How to reset the system? Would all my data be erased?*

A: To reset the system, please hold the reset button in battery cover for 5 seconds. The system would erase all data and restarts. If the user has already created an account for this main box, after resetting the networking in the initialization process, all settings can be recovered.

Q: *When operating in App, it is slow/lag/always waiting for reactions..*

A: To better solving your problem, please do the following before asking help from distributor:

- o   Use LAN cable instead of Wi-Fi for the main box.
- o   Try restart the router used for the main box or your phone.
- o   Disable any VPN connection from your phone or router, for directly connecting to the Internet.
- o   In the main page of the App, tap the [Net Status] to see if the networking of the main box is working right.

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Specification.

CORE PREFERENCES		ENVIROMENTAL	
CPU	ARM Cortex-A7	Working temp	-20°C – 60°C
ELECTRICAL		PHYSICAL	
Auxiliary Power	CC 5V 2A	Installation	Desktop, Wall Mounted
Backup batteries	Rechargeable Lithium Polymer battery 2200mAh	Shell Material	ABS/PC
Stand-by time	8 h (fully charged)	KEY FEATURES	
RADIO RECEIVER		Total input accessories	Unlimited
Frequency	433.92MHz	Keypad Supported	Works with wireless keypad
Distance	200m	Smart Devices	Works with networking camera and smart plug
NET		Security alarm	Supported
LAN	1 intrerfaz ethernet RJ45 10/100M	Tamper Alarm	Supported
WiFi Standard	Compatible con 802.11b/g/n	Low Battery Warning	Supported
GSM Frequency	GSM 850 / 900 / 1800 / 1900 MHz	Notifications	Push Notification (App) / SMS Messages (Mobile Phon
SOUNDS		Quick Pairing	Pre-pairing & QR Code pairing
Build-in siren	100dB / 30cm	Updatable Firmware	Supported

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