U-Prox Siren Outdoor

Outdoor wireless siren

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Introduction

This manual describes how to install and configure the UProx Siren Outdoor wireless outdoor sirens. Please read this manual carefully before using the device.

Technical support for all U-Prox products is provided by phone: +38(091)481-01-69 and/or e-mail: **support@u-prox.systems.**

Security warnings

When installing and operating the appliance, it is necessary to comply with the "Rules for the technical operation of electrical devices by consumers" and the "Safety rules for the operation of electrical devices".

The appliance must be mounted with the power supply turned off.

Fire safety rules must also be observed when performing work.

WARNING. DO NOT DISASSEMBLE THE DEVICE OR ITS POWER SUPPLY WHILE IT IS ENERGIZED OR USE THE POWER SUPPLY WITH A DAMAGED CABLE.

WARNING. THE DEVICE HAS A BUILT-IN BATTERY. SUBSTITUTING AN INCORRECT TYPE OF BATTERY FOR THE DEVICE MAY RESULT IN A FIRE OR EXPLOSION. DISPOSE OF USED BATTERIES IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS.

Applications for customization

U-Prox Installer mobile application

Application for setting up the U-Prox wireless security system.

It is intended for both individual users and engineers of central monitoring stations.

Using a mobile phone, the app allows you to perform full security system setup: install, test, and calibrate wireless system elements; configure security groups; connect to monitoring stations; add users and give them the right to control the security system from the U-Prox Home app.

Download on the App Store

GET IT ON Google Play

Installer web portal

The U-Prox Installer WEB web portal is designed to configure the U-Prox wireless security system.

It is intended for both individual users and engineers of central monitoring stations of security organizations.

Using a web browser, you can perform full configuration of the security system: install, test, and calibrate wireless system elements; configure security groups; connect to monitoring stations; add users and grant them the right to control the security system from the U-Prox Home app.

https://web-security.u-prox.systems/

Description and principle of operation

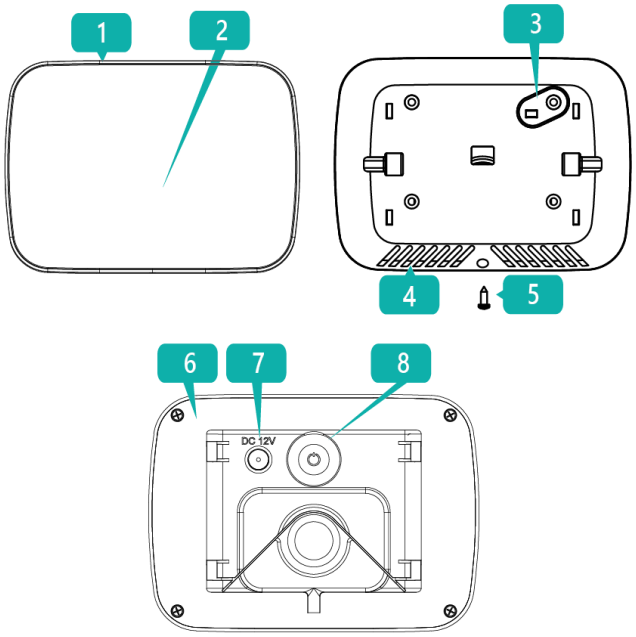
U-Prox Siren Outdoor is a wireless outdoor siren designed to provide alarm notification when U-Prox wireless detectors are triggered. It is installed outside the premises to warn of danger or scare away intruders.

The device interacts with the U-Prox security center via a radio channel at a distance of up to 4800 meters.

U-Prox Siren Outdoor is powered by four CR123A batteries and, alternatively, has a connector for connecting an external 12V power supply.

The device works only with the U-Prox security system, it cannot be connected to third-party systems.

Functional elements of the device



1. The case of the device
2. Light indicator
3. Tear-off plate of the tamper
4. Resonator holes
5. Fixing screw
6. Back cover of the device
7. Power supply connection
8. On/off button

Features

Sound pressure at a distance of 1 m	113 dB
Delayed triggering	no more than 10 seconds
Light indication	3, customizable
Light indication	built-in indicator
Power supply	3V, four CR123A lithium batteries included in the package and an external source of 10.8 ... 13.8V
Duration of the siren sounding when powered by batteries	300 triggers for 2 minutes each
Service life of a battery	up to 5 years
Radio communication	ISM wireless interface with multiple channels
Radio communication	ITU region 1 (EU, UA): 868.0...868.6 MHz, 100 kHz bandwidth, 20 mW max., distance to

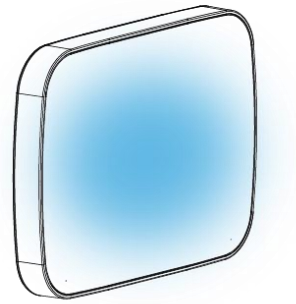
parameters	devices - up to 4800 m (outdoors); ITU region 3 (AU): 916.5...917 MHz, 100 kHz bandwidth, 20 mW max, distance to devices - up to 4800 m (in open space).
Data transmission (radio)	Two-way communication, encrypted, with sabotage (jamming) detection. The encryption key is 256 bits
Operating temperature range	-20˚C ... +55˚C
Permissible humidity	Up to 95%
Climate class	III (EN 50131)
Degree of protection	IP54
Overall dimensions of the device	167 x 120 x 38 mm
Case color	white
Weight	0,64 kg

Power supply

The device is powered by four CR123A batteries and, as an alternative, has a 5.5x2.5mm DC plug for connecting an external 12V power supply.

Indication

The indicator light on the front panel of the case shows the current status of the device:



Standby mode - the light indicator is off

"Alarm" mode - the light indicator flashes blue, the sound signal is activated

Confirmation of switching to the "Armed" mode - a short beep, the built-in light indicator turns on for 15 seconds (if configured). If the external power supply is connected, the indicator lights up steadily red.

"Armed" mode" - brief activation of the built-in light indicator every 10 seconds (if configured)

Confirmation of disarming - two short beeps (if configured)

Disarming a group with an alarm - four short beeps

Installation

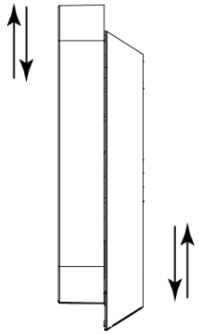
Selecting the installation location

Choose the installation location of the outdoor siren carefully; the device should not be placed anywhere:

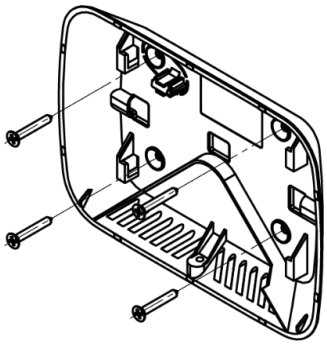
1. In areas with high levels of radio interference
2. Near objects that can cause radio signal attenuation (metal, mirror, etc.)
3. At a distance closer than 1 m from the security center

Installation

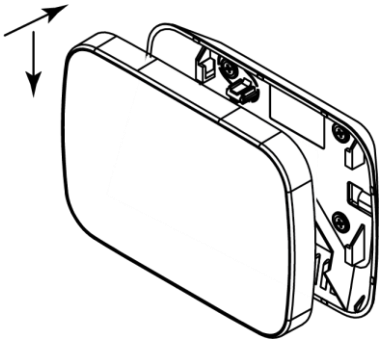
1. Unscrew the locking screw
2. Move the siren upwards
3. Slide the backplate down and remove the siren from the mount



1. Mount the backplate on a surface (e.g., wall) at the installation location using the screws and dowels provided



2. Place the siren on the backplate holder and slide it down until the tamper contact locks. Flashes on the indicator light will confirm that the tamper is locked

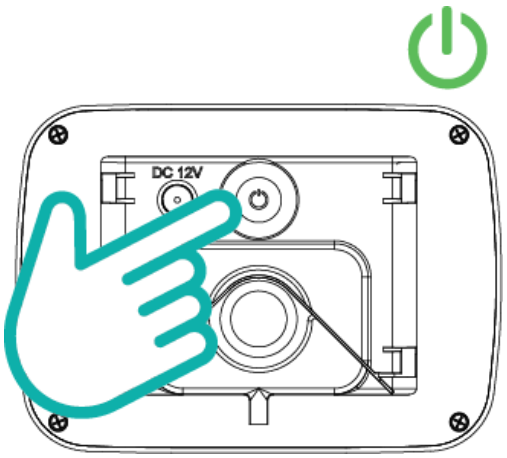


3. Secure the housing with the supplied screw

Switching on and off

To turn on the device, press the button ⏻, the light indicator will turn on and the appliance will start loading.

To turn off the device, press and hold the ⏻ for 5 seconds, until the light indication goes out.


DC 12V

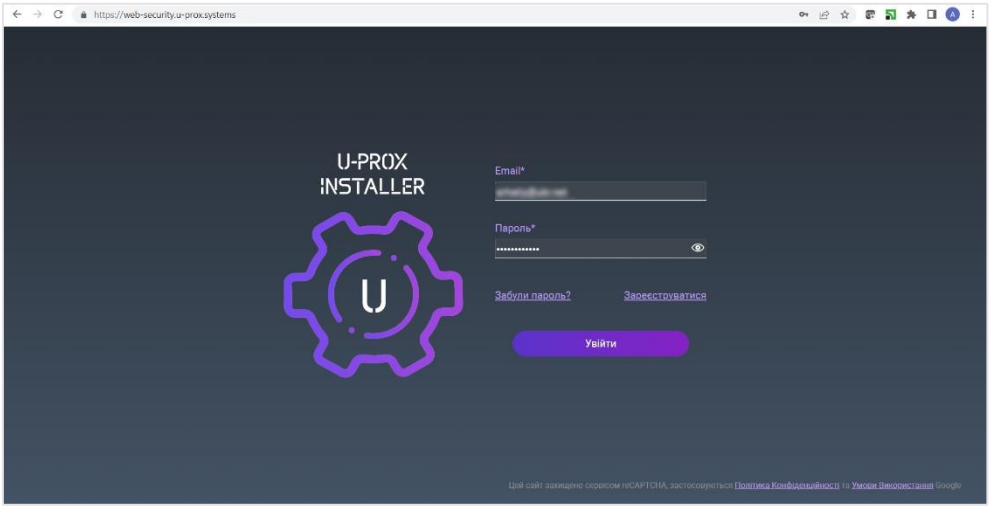
Settings

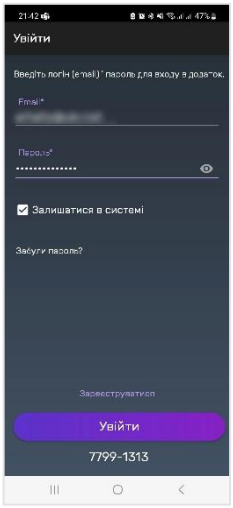
1. Download and install the U-Prox Installer mobile application to configure the system
2. Launch the U-Prox Installer application and log in or log in using the U-Prox Installer WEB portal

IF NECESSARY, REGISTER IN THE SYSTEM AS AN AUTONOMOUS INSTALLER OR GET ACCESS AS AN INSTALLER OF A SECURITY COMPANY

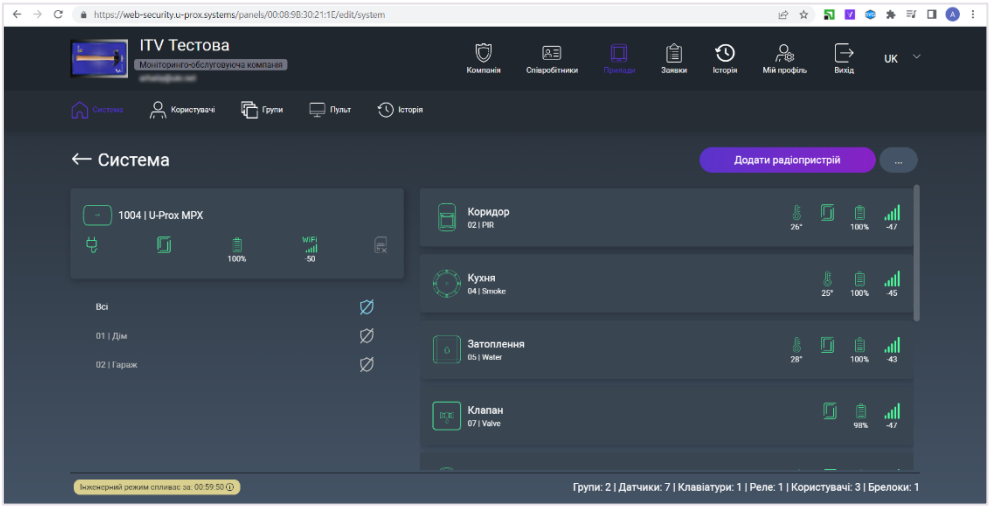
Adding a device to the security system (registration)

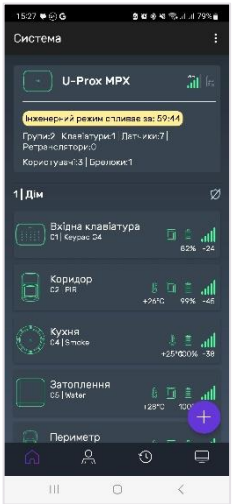
1. Launch the U-Prox Installer application or open the web portal in a browser and log in



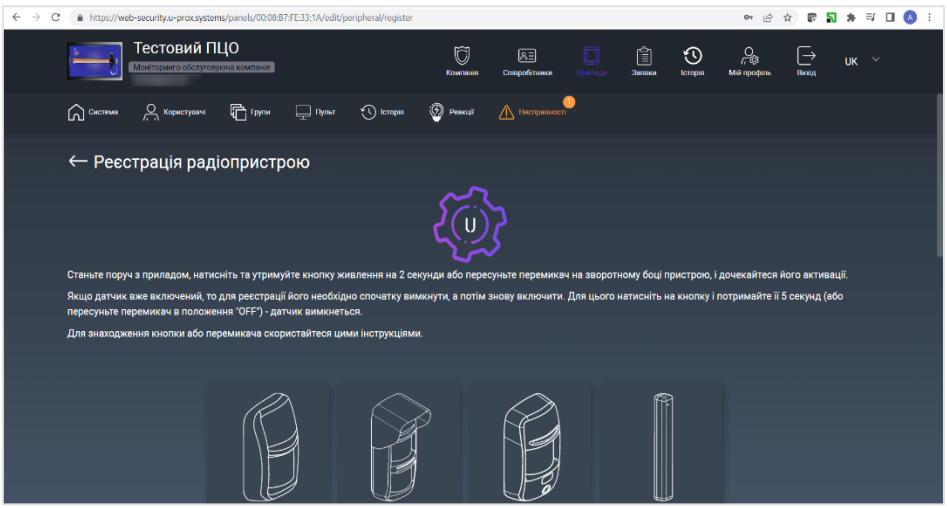


2. Select the U-Prox MPX to which you want to add the siren from the list of devices

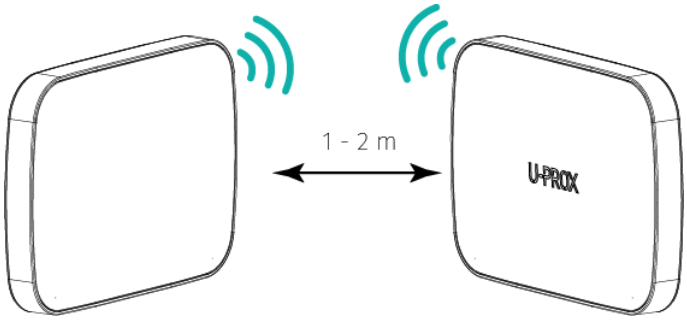




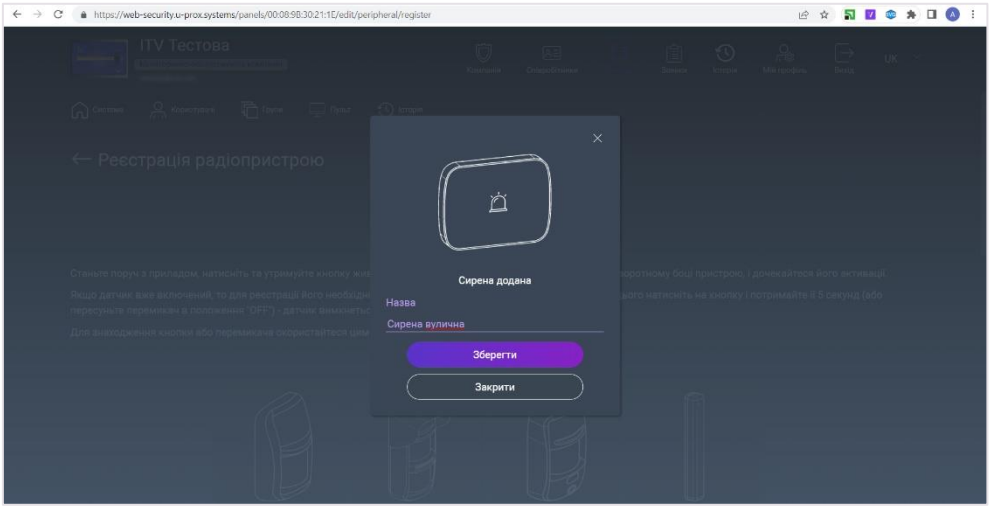
3. Press the button (✚) ("Add radio device"), the security center will enter the mode of registering detectors, keypads, etc. In this window, you can click on the device icons and view the instructions for activation.

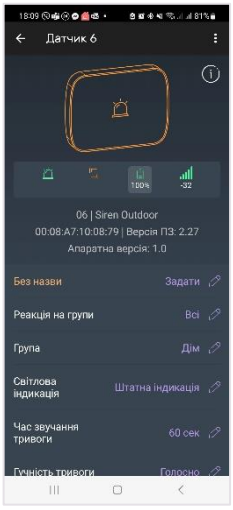


4. According to the instructions, turn on U-Prox Siren Outdoor and bring it to the security center at a distance of about 1 meter



5. Wait 15-20 seconds - the wireless device will be registered and the device settings will be opened in the application

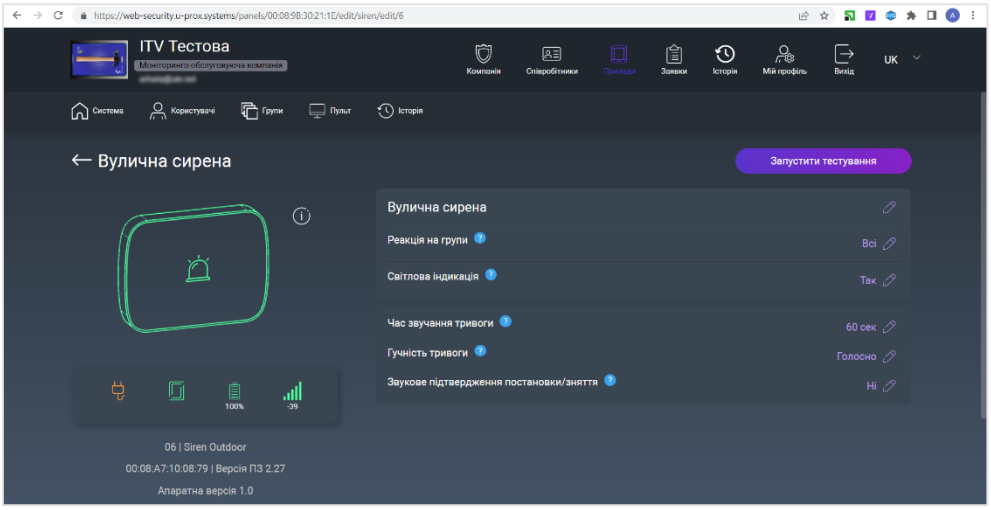


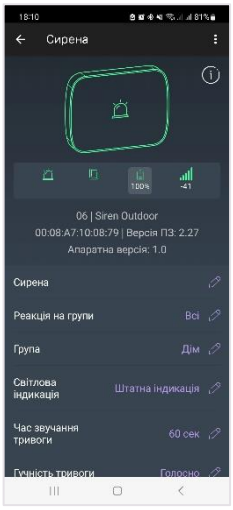


6. Configure your device

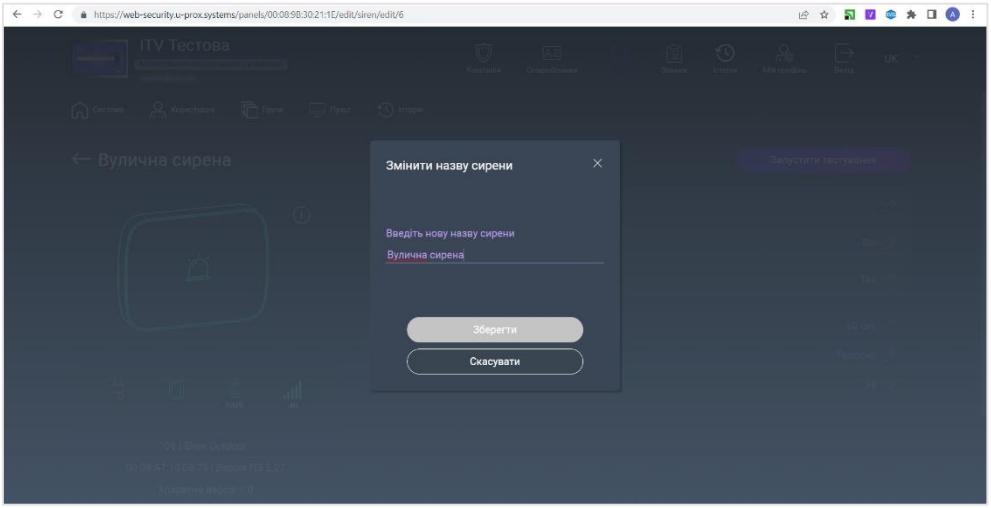
Basic settings of the U-Prox Sirem Outdoor siren

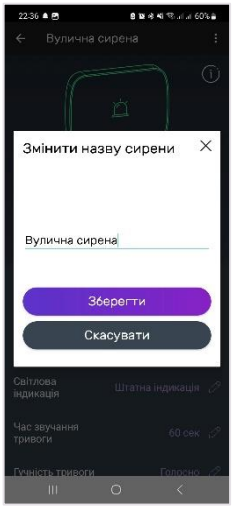
Select the device you want to configure from the device list



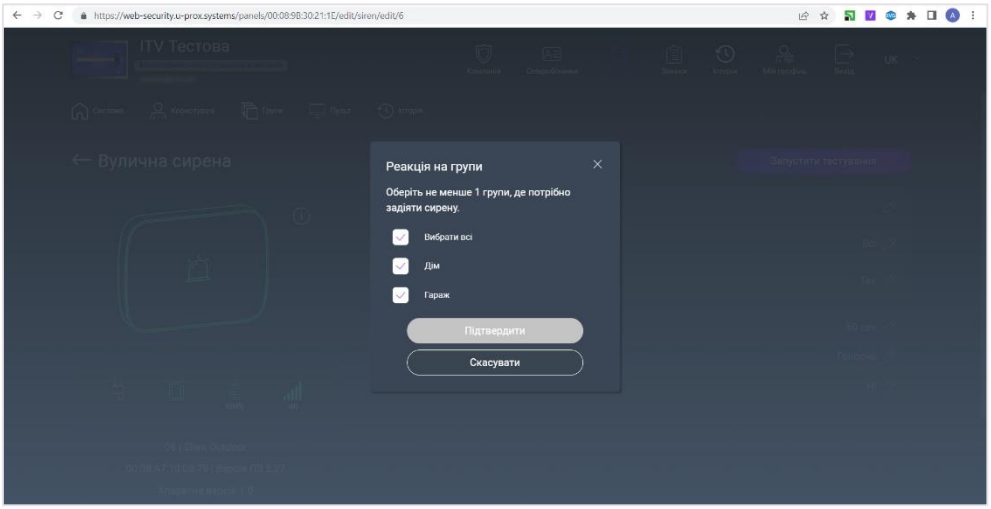


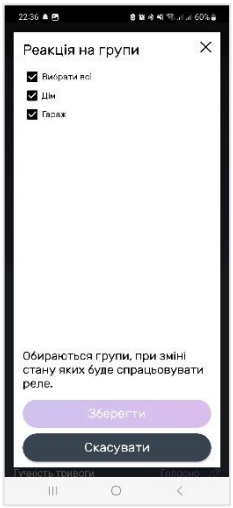
1. "Name" - the name of the device



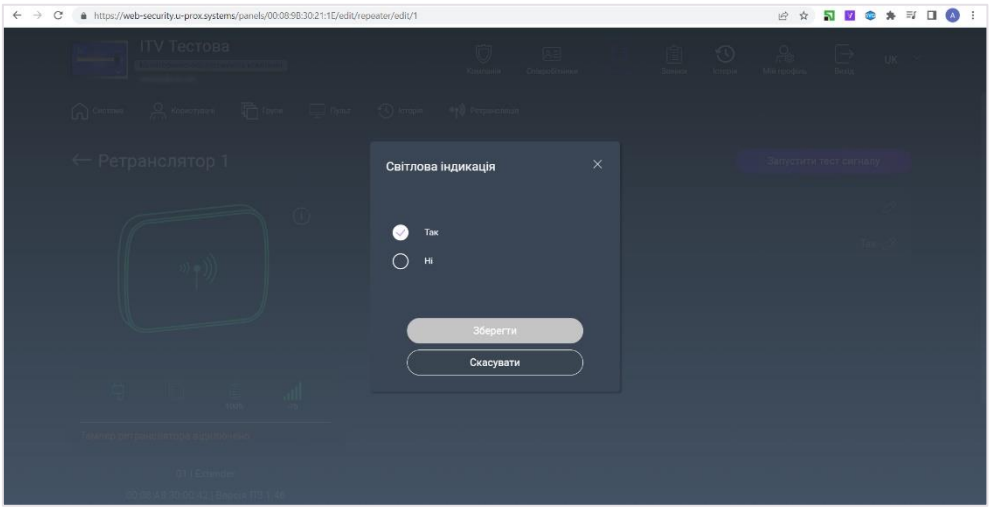


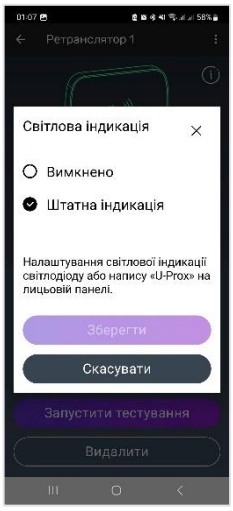
2. "Reaction to groups" - the siren will be triggered only if there is an alarm in the selected groups



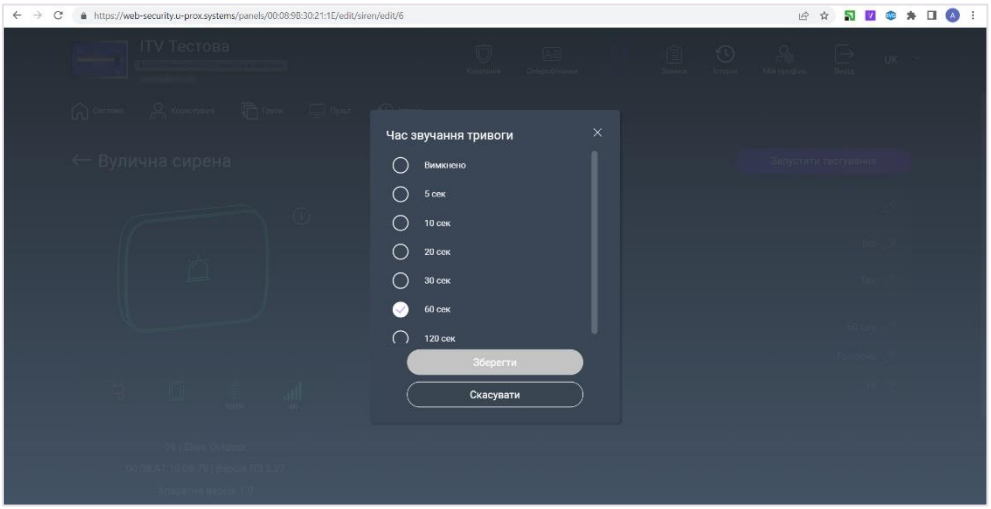


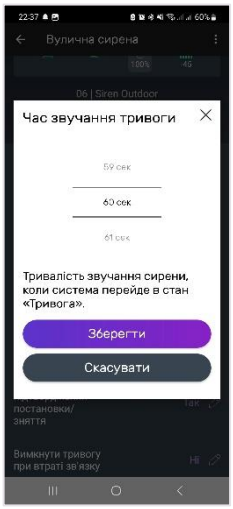
3. "Light indication" - turns on or off the light indication on the device



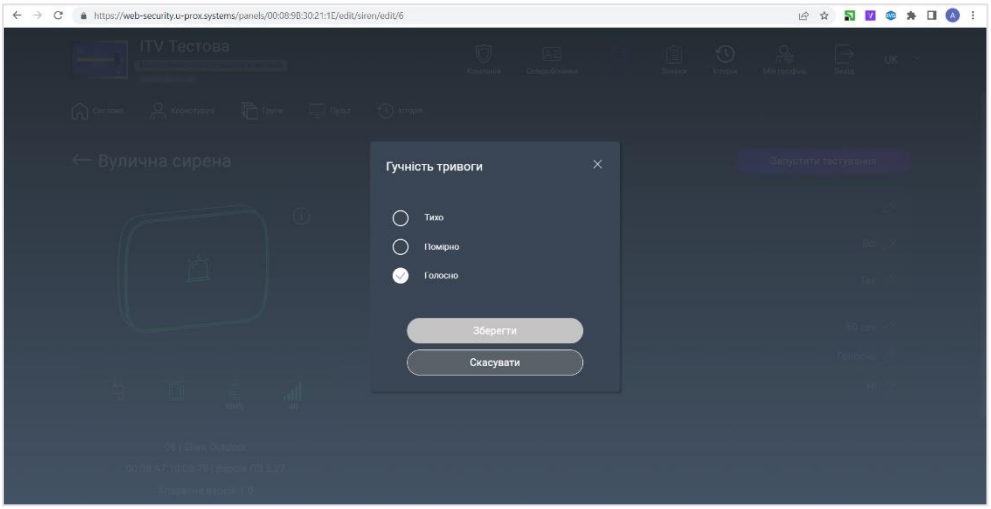


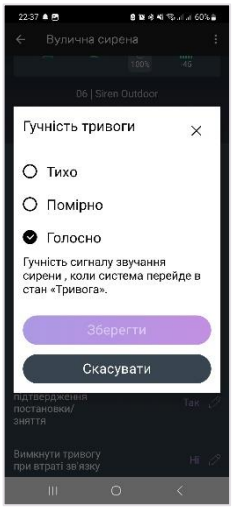
4. "Alarm sounding time"



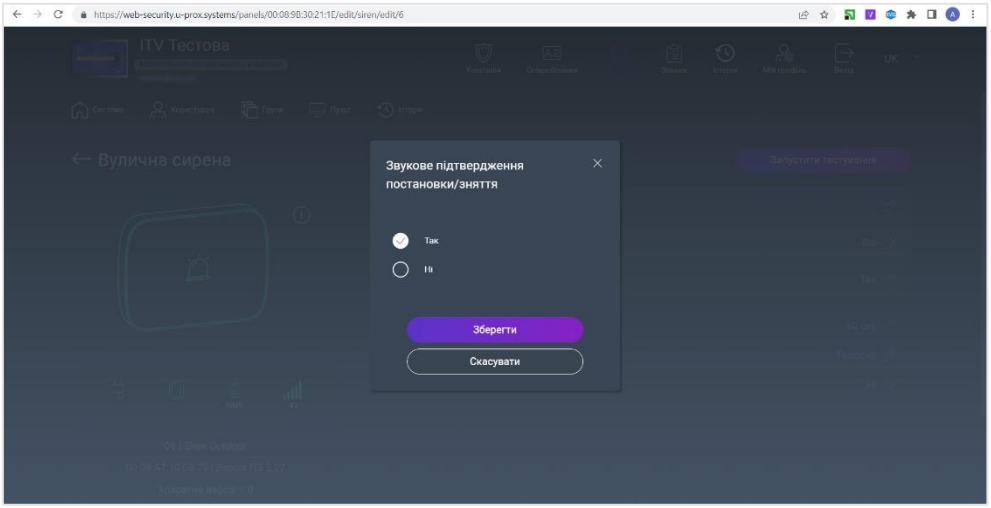


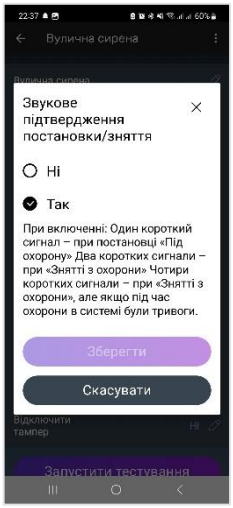
5. "Alarm volume"



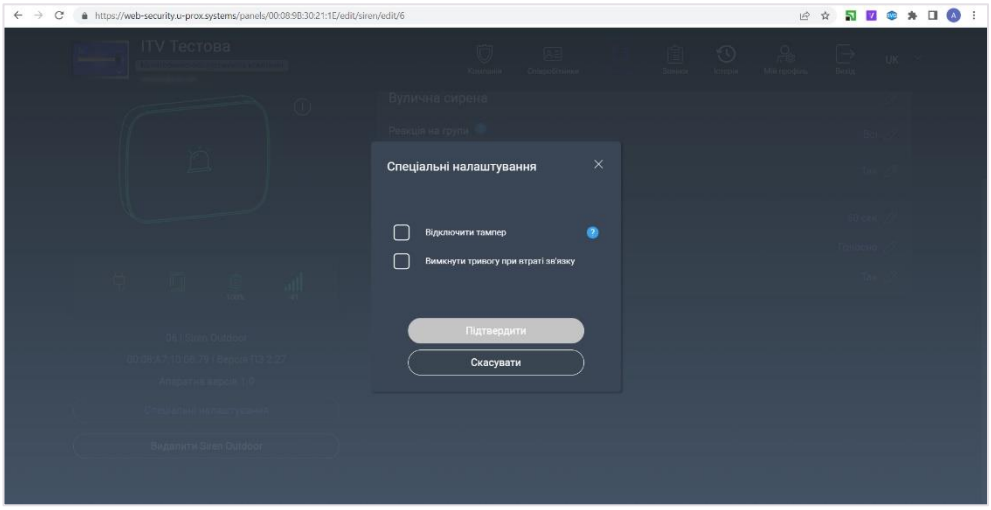


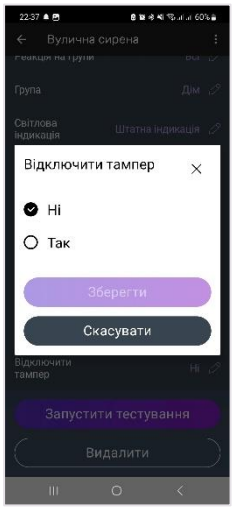
6. "Sound confirmation of arming/disarming"

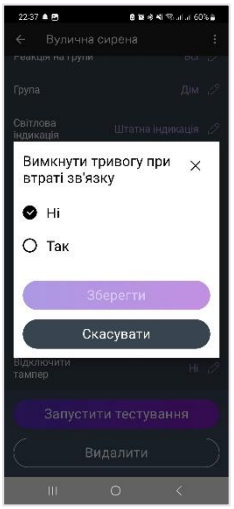




7. Custom settings
   a. "Disable tamper" - a setting when enabled, the device will not respond to the opening of the case
   b. "Disable alarm when communication is lost" - do not generate an alarm when communication with the device is lost



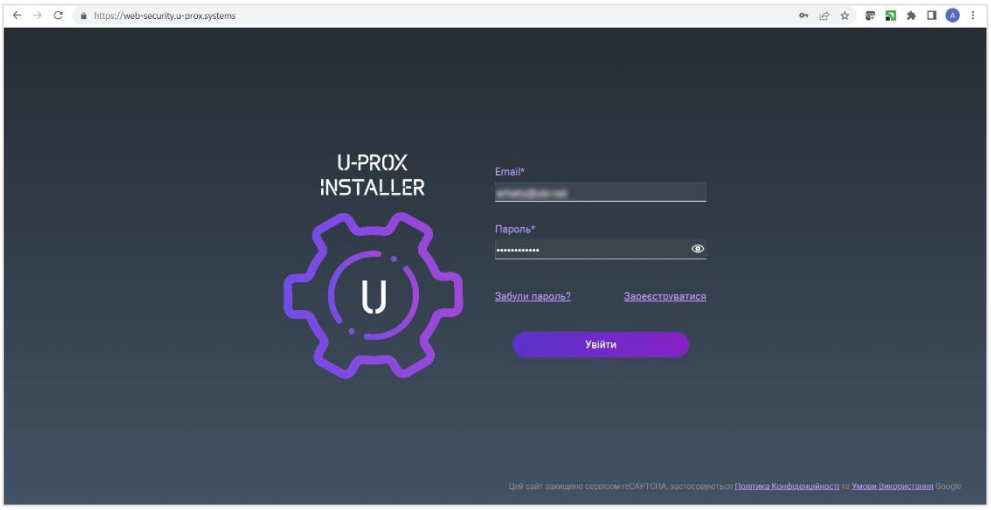


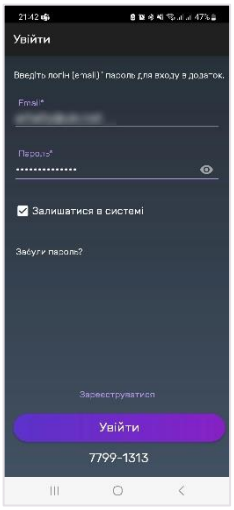


Testing the connection

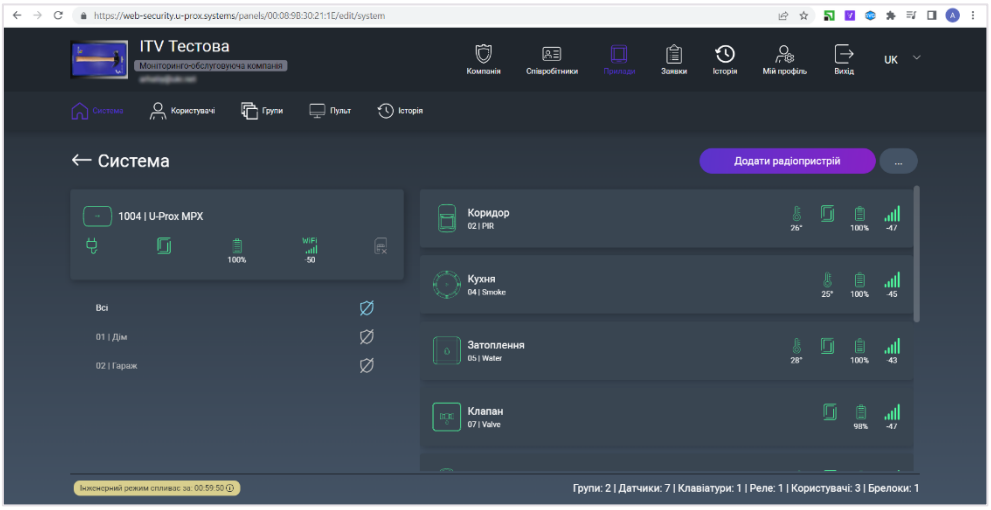
WARNING. BEFORE PERFORMING THIS STEP, THE DEVICE MUST BE REGISTERED IN THE UPROX SECURITY SYSTEM.

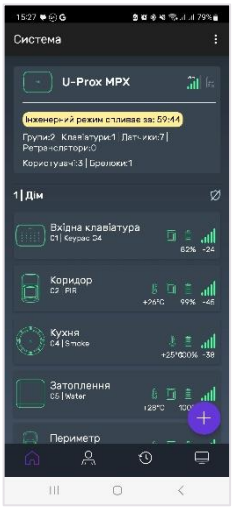
1. Launch the U-Prox Installer application or log in to the U-Prox Installer WEB portal



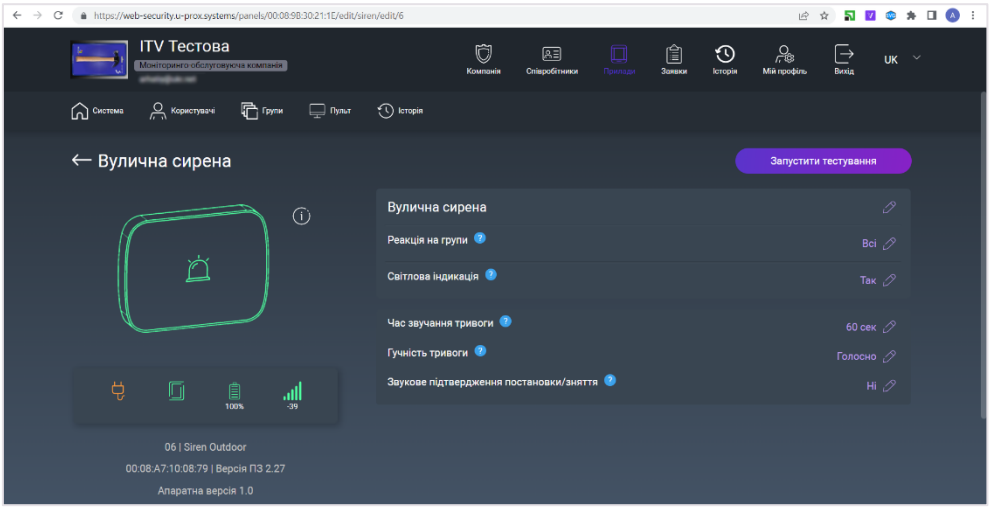


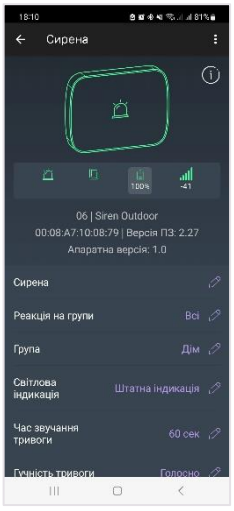
2. Select a security center from the list



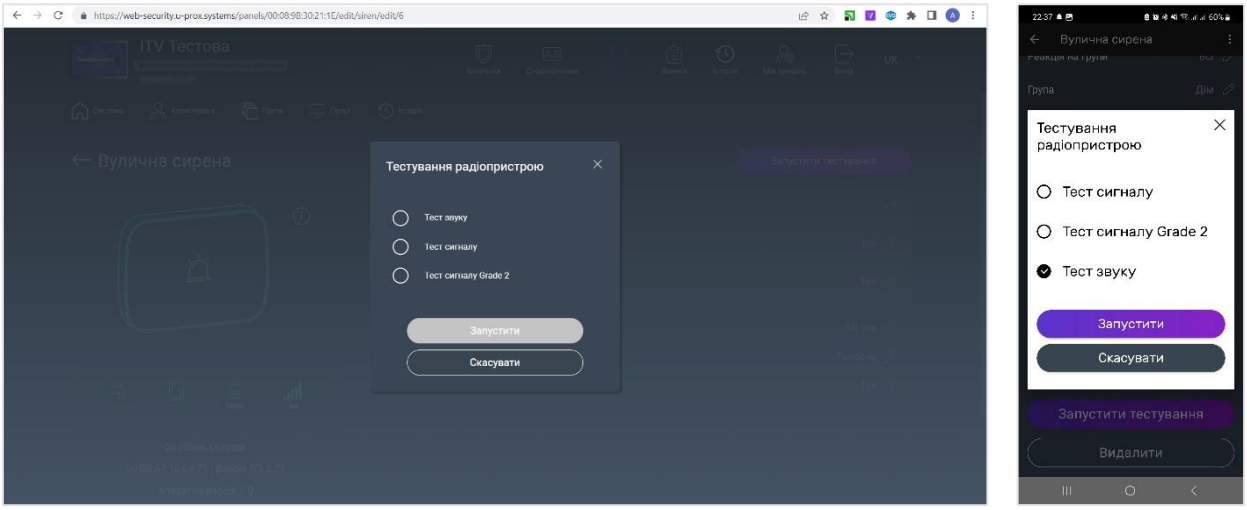


3. Select a device from the list

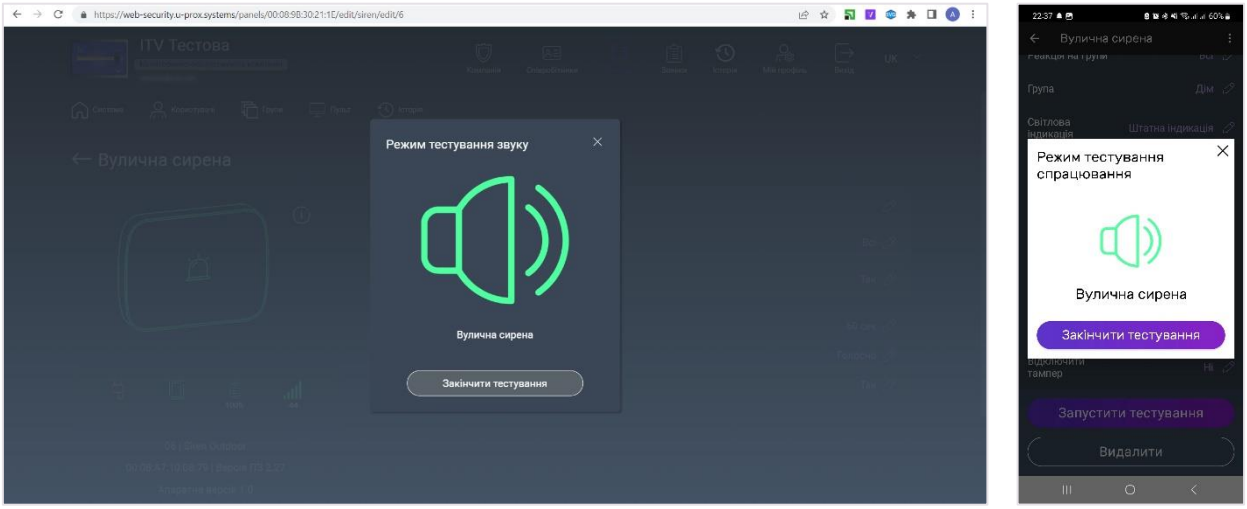




4. Start the test mode and select the mode - sound test, normal signal test, or Grade II signal test

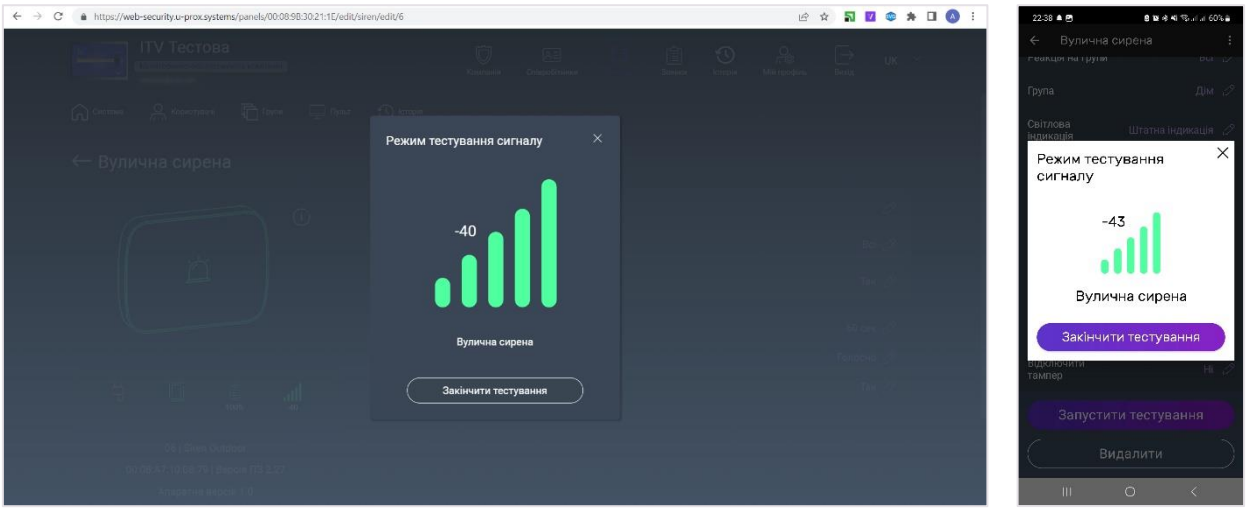


a. Sound test



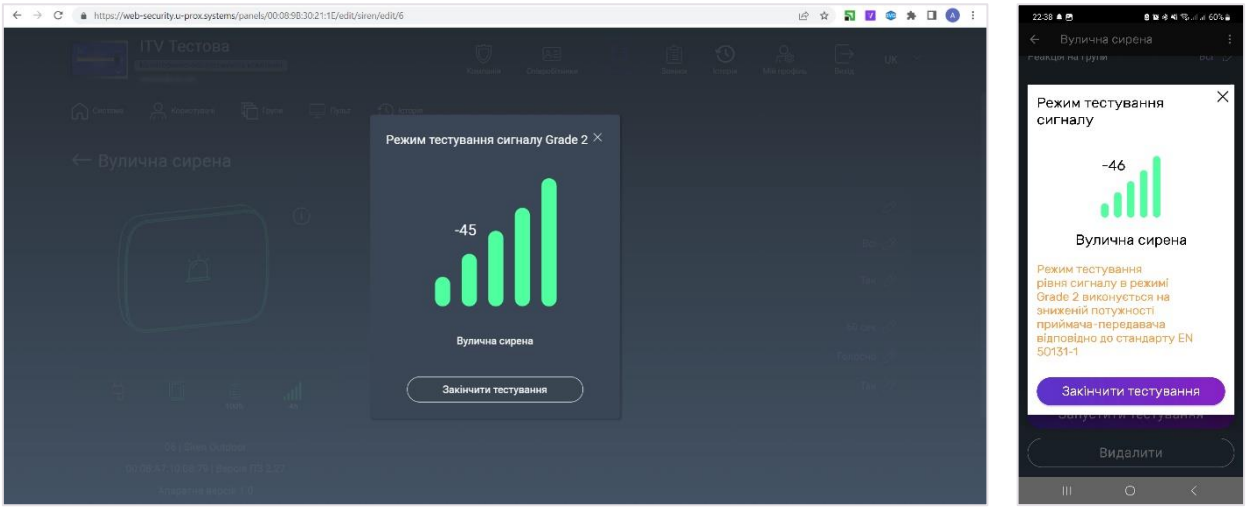
b. Conventional signal testing

ATTENTION!!! TESTING IS PERFORMED AT AN AVERAGE POWER LEVEL OF RADIO TRANSMITTERS.

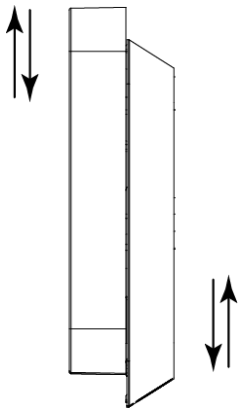


c. Signal testing in accordance with Grade II

ATTENTION!!! TESTING IS PERFORMED AT REDUCED POWER OF RADIO TRANSMITTERS, IN ACCORDANCE WITH EN 50131-1

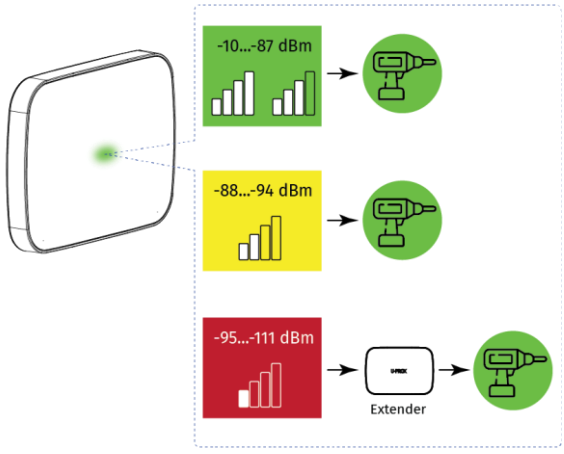


5. To start testing the signal strength of the device, wait for the next communication session with the device, or break its tamper.



6. Move the device to the pre-selected installation location

7. Using the data in the U-Prox Installer or U-Prox Installer WEB mobile application, select a location with an optimal signal strength of at least -95 dBm.



8. You can also use the light indication of the device

a. LED flashes green (up to -87 dBm) - excellent signal strength, can be set

b. LED flashes yellow (up to -88 ... -94 dBm) - average signal strength, can be set

c. LED flashes red (up to -95 ... 111 dBm) - poor signal strength, move the

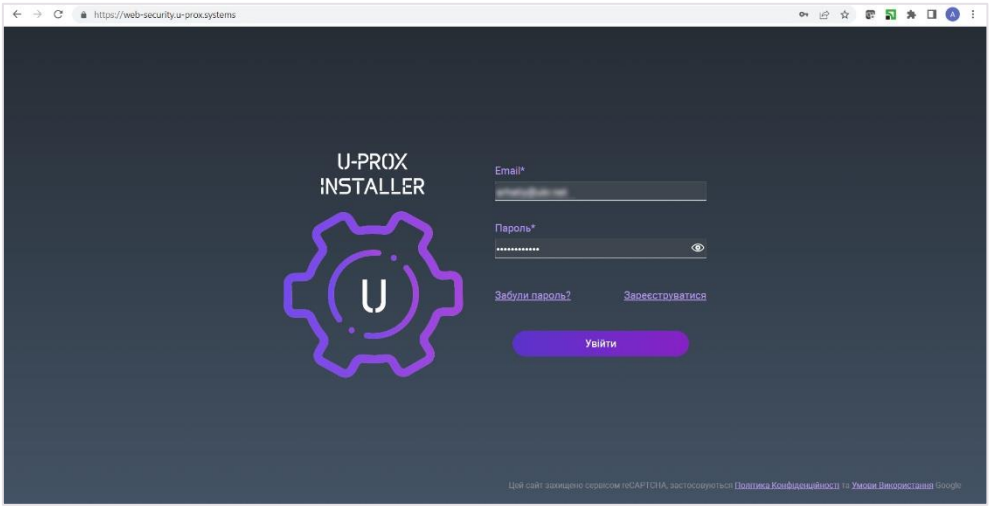
device to another location or use the UProx Extender radio range extender

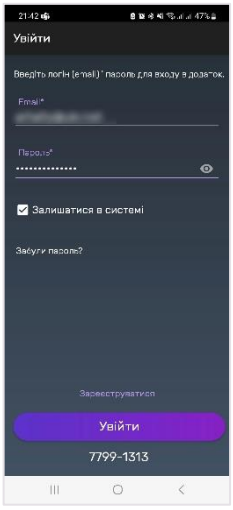
9. To exit the signal test mode, click the "End Test" button in the application

ATTENTION!!! THE TEST WILL BE AUTOMATICALLY COMPLETED 30 MINUTES AFTER THE START

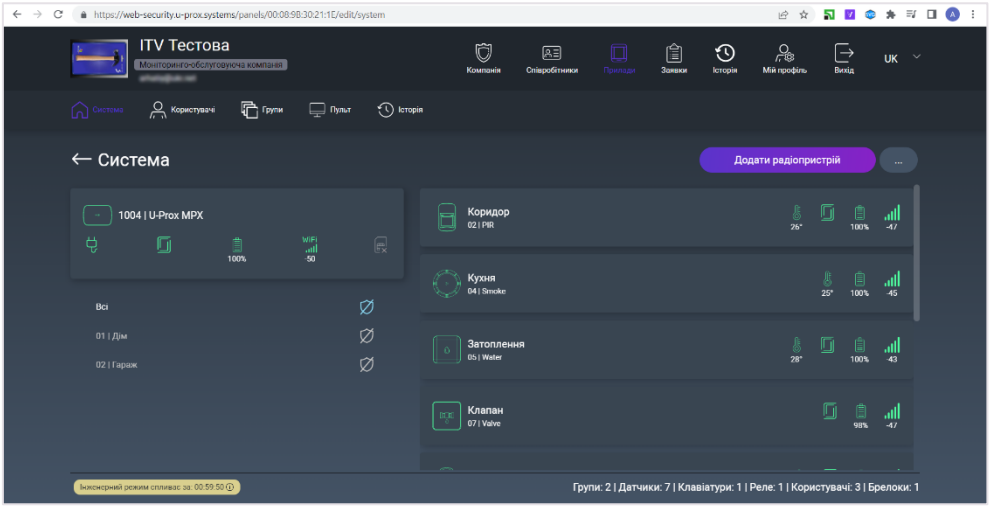
Remove a device

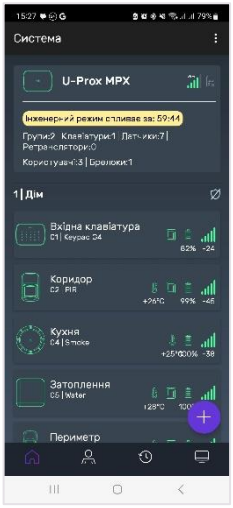
1. Launch the U-Prox Installer application or log in to the U-Prox Installer WEB portal



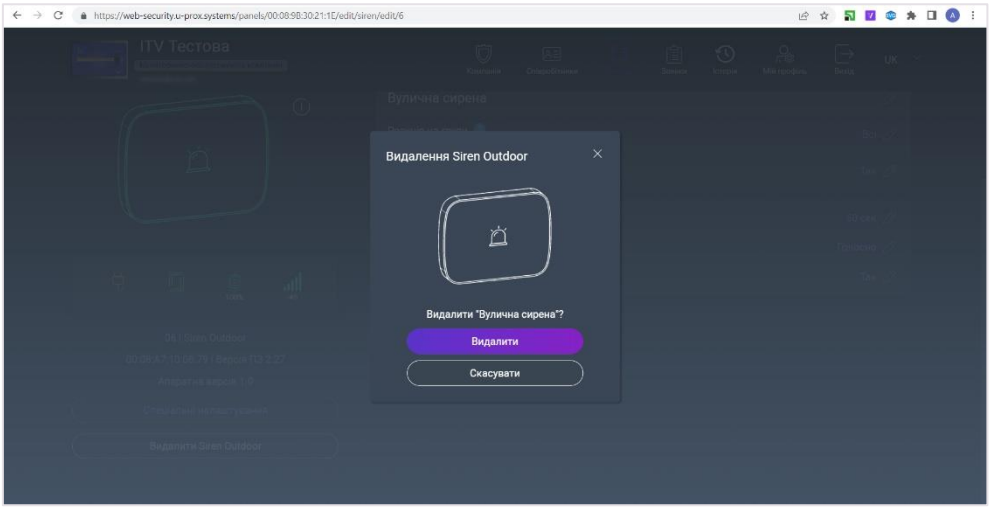


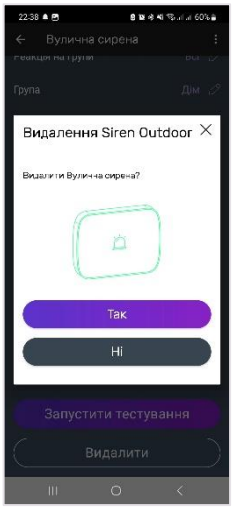
2. Select a security center from the list



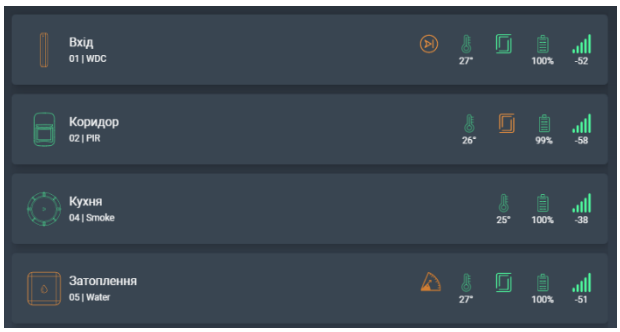


3. Select the device from the list, click the "Uninstall" button, and confirm the removal





Wireless device states



- the main power supply is normal
- main power supply is absent
- the device case is closed
- the device case is open
- the battery is charged
- battery charge level
- the battery is critically low
- the battery is defective
- level of radio communication with the security center
- there is no radio communication with the security center

Service

The device usually requires minimal maintenance - periodically clean the device case from dust and other contaminants as they appear.

Compliance with standards

- RED (Radio Equipment Directive) Directive 2014/53/EU
- EU ROHS Directive 2011/65/EU, EN IEC 63000:2018
- EN 62311:2008
- EN 62368-1:2014
- EN 60950-22:2017
- EN 50130-4:2011/A1:2014
- EN 61000-6-3:2007/A1:2011
- ETSI EN 301 489-1 v2.2.3
- ETSI EN 301 489-3 v2.1.1
- ETSI EN 300 220-1 v3.1.1
- ETSI EN 300 220-2 v3.2.1
- EN 50131-1 Grade 2, Class II:
  - EN 50131-1:2006/A1:2009/A2:2017/A3:2020
  - EN 50131-4:2018
  - EN 50131-5-3:2017
  - EN 50131-6:2017

Warranty obligations

The warranty period for the U-Prox device (excluding batteries) is 2 years from the date of sale.

If the device is not functioning properly, first contact **support@uprox.systems**, perhaps this issue will be resolved remotely.

The scope of delivery

1. U-Prox Siren Outdoor;
2. Four CR123A batteries (pre-installed);
3. Quick start guide