



U-Prox Button

Wireless multifunctional button

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Introduction

This manual describes how to use and configure the U-Prox Button wireless multifunctional buttons. 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 by e-mail: support@u-prox.systems.

Security warnings

WARNING. THE APPLIANCE HAS A BUILT-IN BATTERY. SUBSTITUTING AN INCORRECT TYPE OF BATTERY FOR THE APPLIANCE 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.



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 Button is a wireless key fob/button for controlling the U-Prox security system. It has one programmable button and LED indicator for interaction with the security system user.

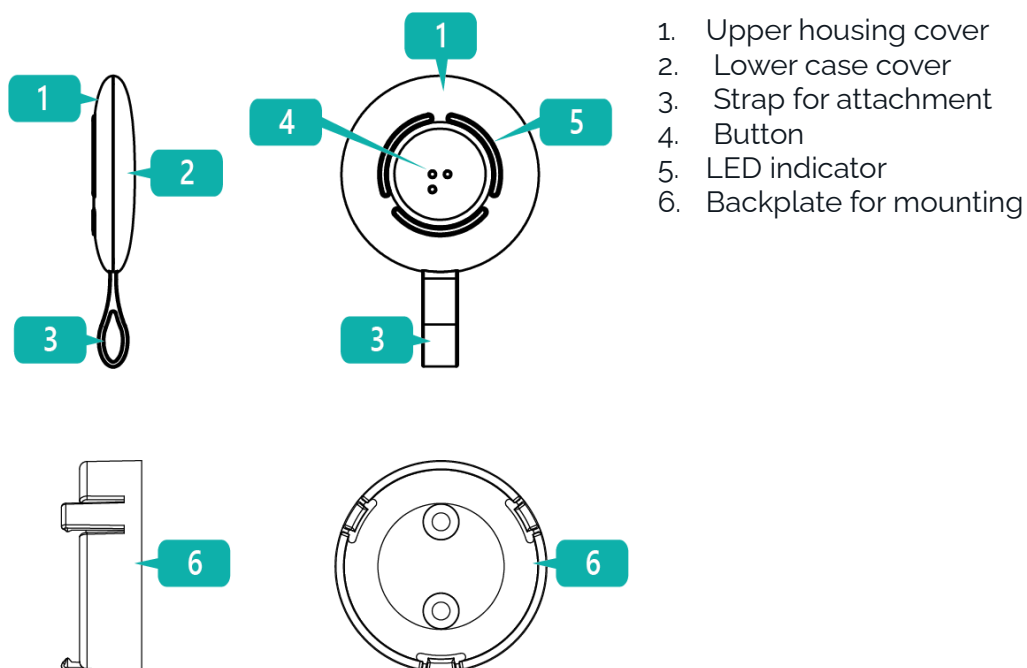
It can be used as a panic button (attack), fire alarm button, medical alarm button, key fob to confirm the arrival of a patrol, to turn relays on and off, etc.

The button pressing mode is customizable.

A mounting backplate is included for stationary installation.

The device works only with the U-Prox security system, connection to third-party systems is not provided.

Functional elements of the device



Features

Power supply	3V, CR2032 lithium battery included
Battery lifespan	up to 5 years old
Radio communication	ISM wireless interface with multiple channels
Radio communication parameters	ITU region 1 (EU, UA): 868.0...868.6 MHz, 100 kHz bandwidth, 20 mW max, distance up to 300 m (outdoors); ITU region 3 (AU): 916.5...917 MHz, 100 kHz bandwidth, 20 mW max, distance up to 300 m (in the open air).
Operation via radio repeaters	Yes, automatic routing
Data transmission (radio)	Two-way communication, encrypted, with sabotage (jamming) detection. The encryption key is 256 bits
Operating temperature range	-10°C ... +55°C
Permissible humidity	Up to 75%
Climate class	II (EN 50131)
Overall dimensions of the device	Ø39 x 9 x 57 mm
Overall dimensions of the backplate	Ø 43 x 16 mm
Color	white, black
Weight	15 grams

Power supply

The device uses a CR2032 lithium battery, which allows it to operate up to 5 years on a single battery.

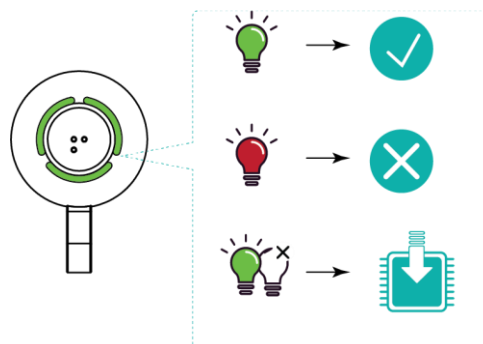


Indication

Light indicator shows data transmission and detector triggering

Data exchange with the security center, LEDs light up to indicate data transmission and actions:

- Green - successful
- Red - not successful
- Green blinks for a certain time - the device firmware is being updated



Installation

Selecting the installation location

Carefully choose the installation location of the U-Prox Button device, taking into account the requirements for concealed installation and the presence of obstacles that may limit the range of the device.

The appliance must not be placed:

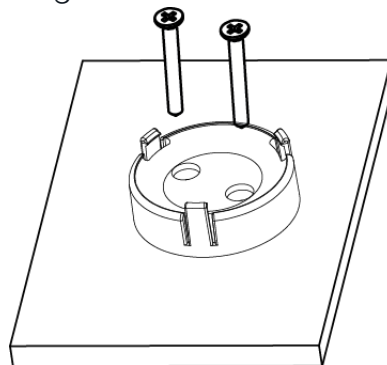
1. Outdoors or in rooms with unacceptable humidity and temperature
2. In places with a high level of radio interference
3. Near objects that can cause attenuation or shielding of the radio signal (metal, mirrors, etc.)
4. At a distance closer than 1 m from the security center

It is recommended to perform the installation in the following sequence:

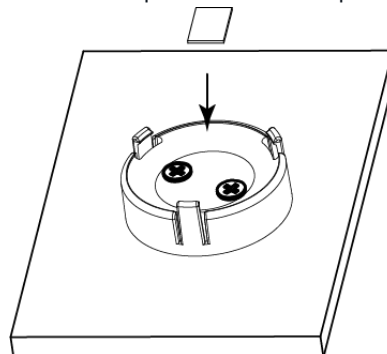
1. Registering the device in the security system using the U-Prox Installer app
2. Selecting the installation location
3. Installing the backplate
4. Installing the device

Installation

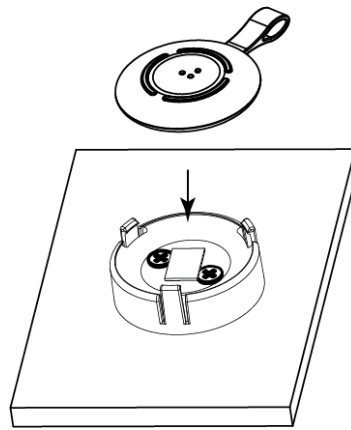
1. The kit includes a backplate and double-sided adhesive tape to secure the device to the backplate
2. Mount the backplate using the included screws and dowels.




3. Apply double-sided adhesive tape to the backplate



4. Place the device on the backplate and press it down to secure it



Turn on the device

Press and hold the button  (8) for 3 seconds to turn on the device - the indicator light will be on.

If the device has already been registered in the security system, it switches to the standby mode.



WARNING. IF THE DEVICE HAS NOT BEEN REGISTERED, IT WILL GO INTO SLEEP MODE AFTER 30 SECONDS.

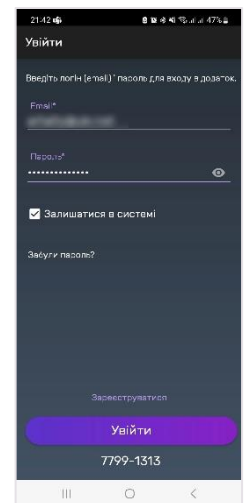
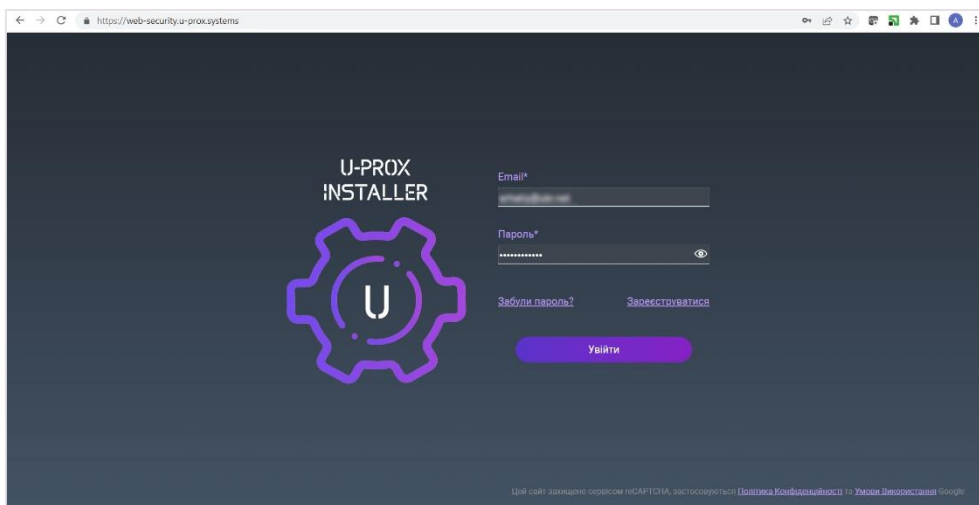
Settings

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

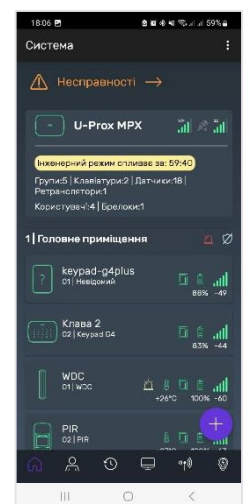
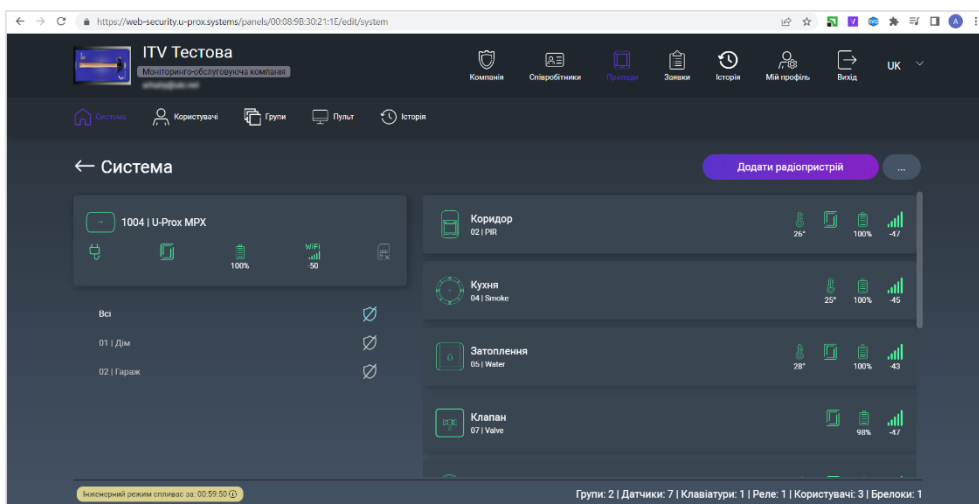
IF NECESSARY, REGISTER IN THE SYSTEM AS AN AUTONOMOUS INSTALLER OR GET ACCESS AS AN INSTALLER OF A SECURITY COMPANY

Adding a device to the security system (registration)

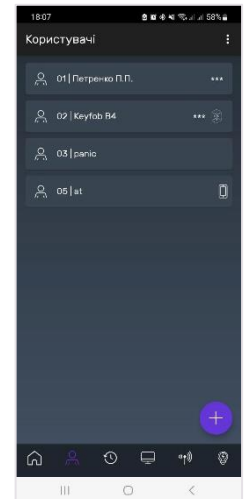
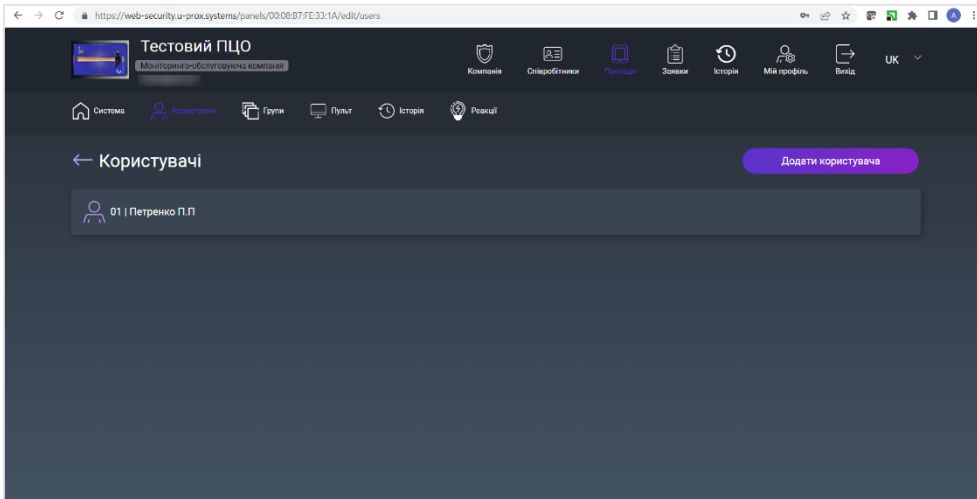
1. Launch the U-Prox Installer application or open the web portal in a browser and log in



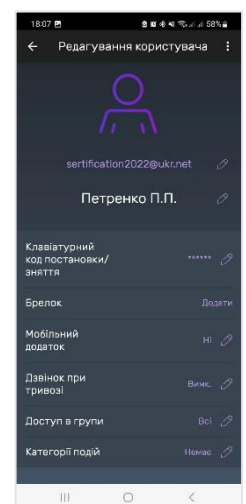
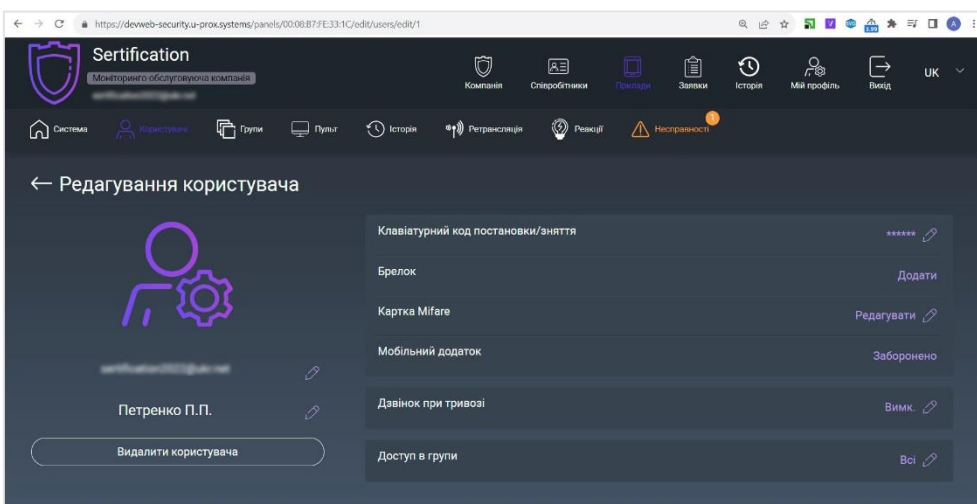
2. Select the U-Prox MPX to which you want to add a wireless button from the list of devices



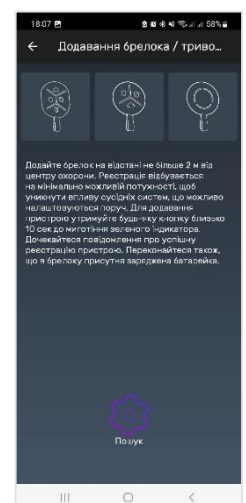
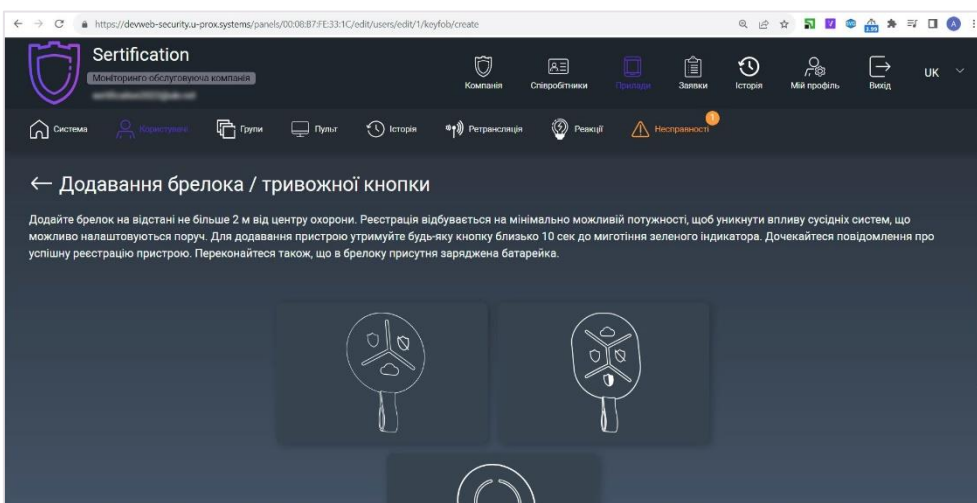
3. Go to the "Users" section



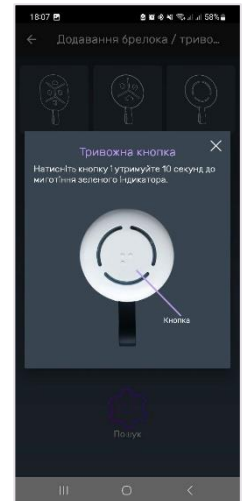
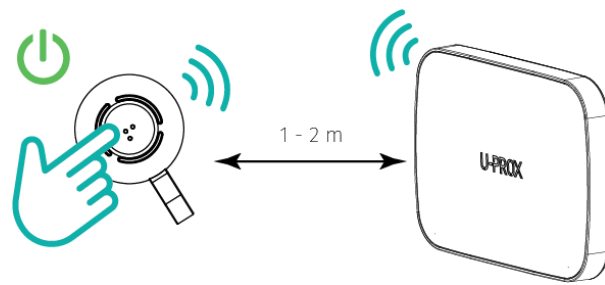
4. Select a user from the list



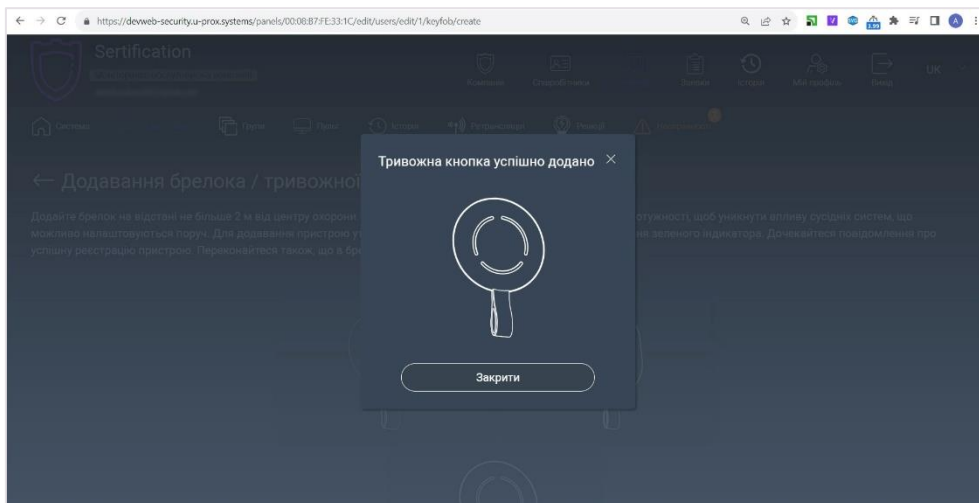
5. Select the "Key fob" item, and the registration of wireless buttons and key fobs will start



6. Bring the device to a distance of 0.5-1 m from the security center, press and hold the button for about 20 seconds, and the device will be registered.



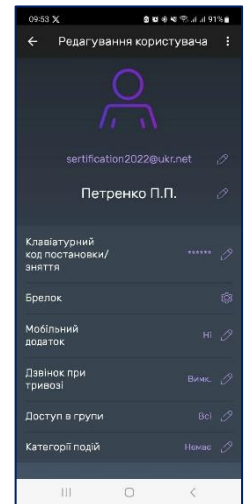
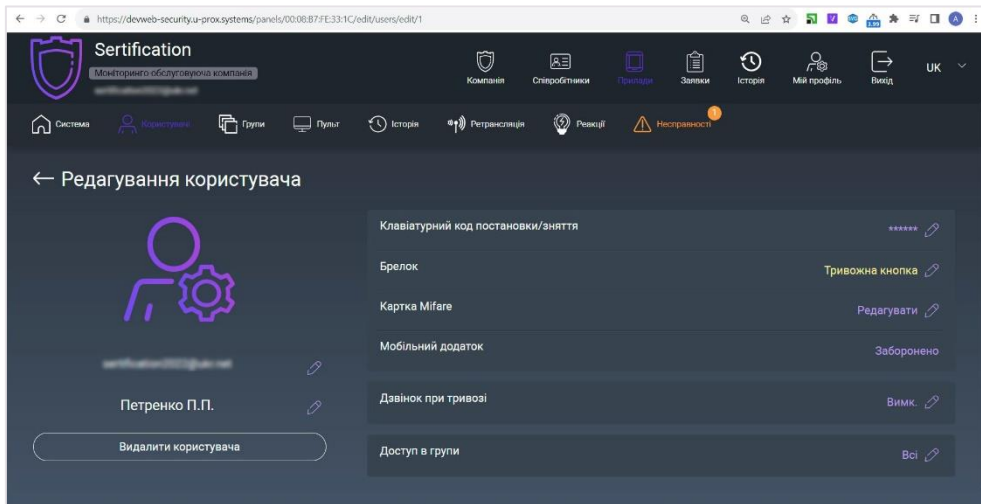
7. Release the button after registering the device



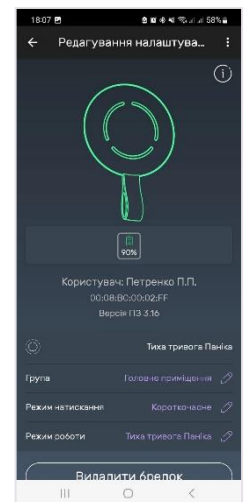
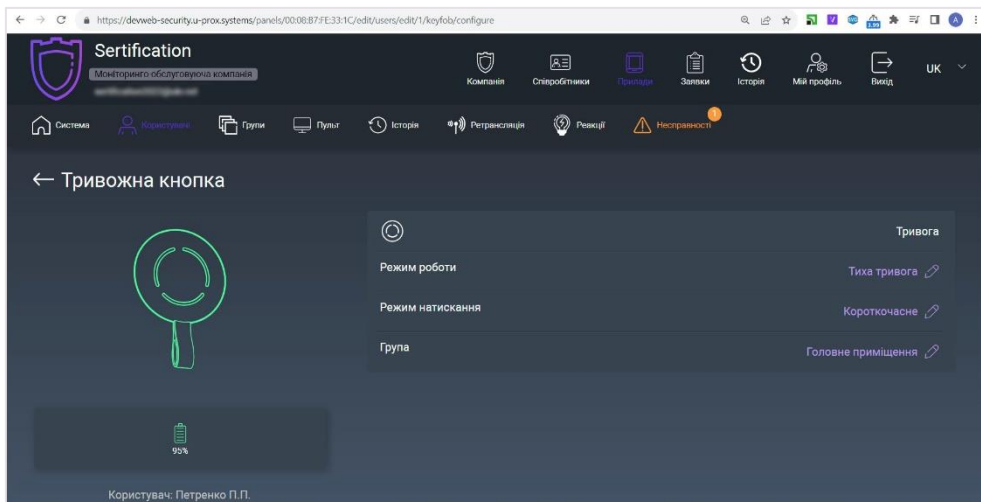
8. Configure your device

Basic settings of the U-Prox Button

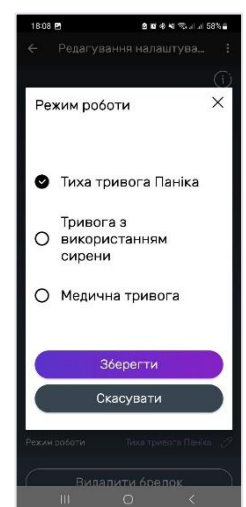
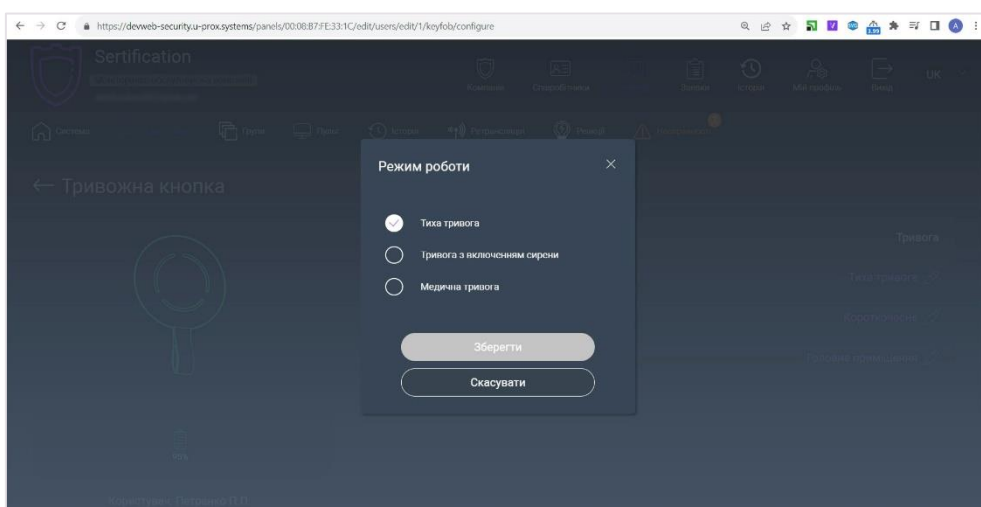
In the Users section, select the user for whom you want to configure the panic button from the list of users and click the Configure key fob button.



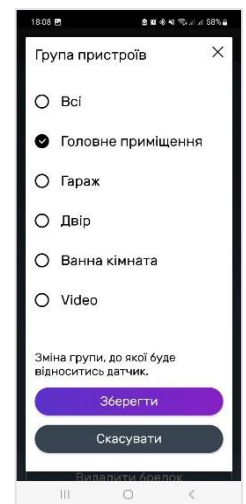
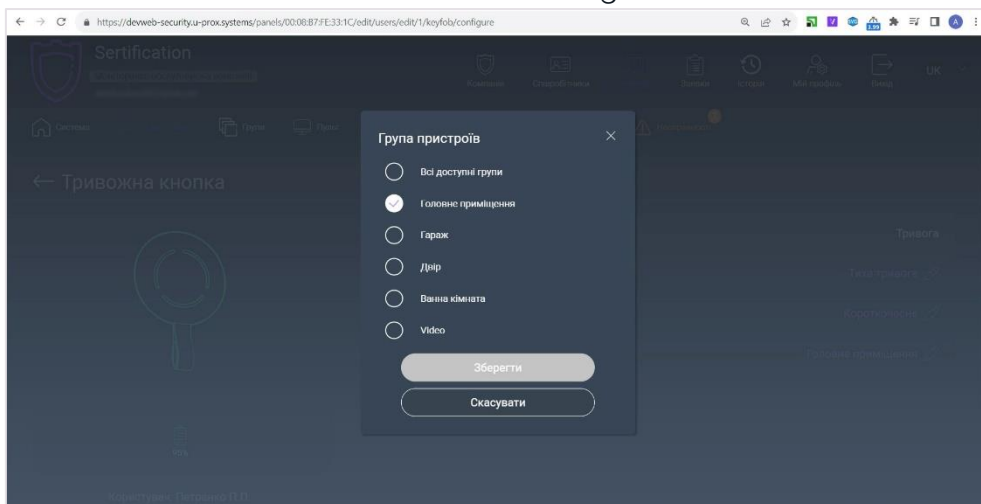
The device settings will be opened.



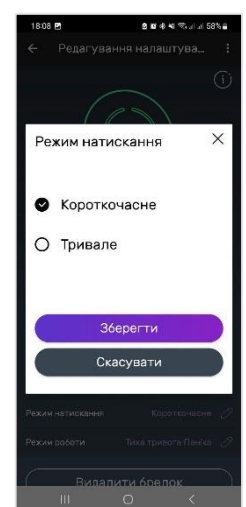
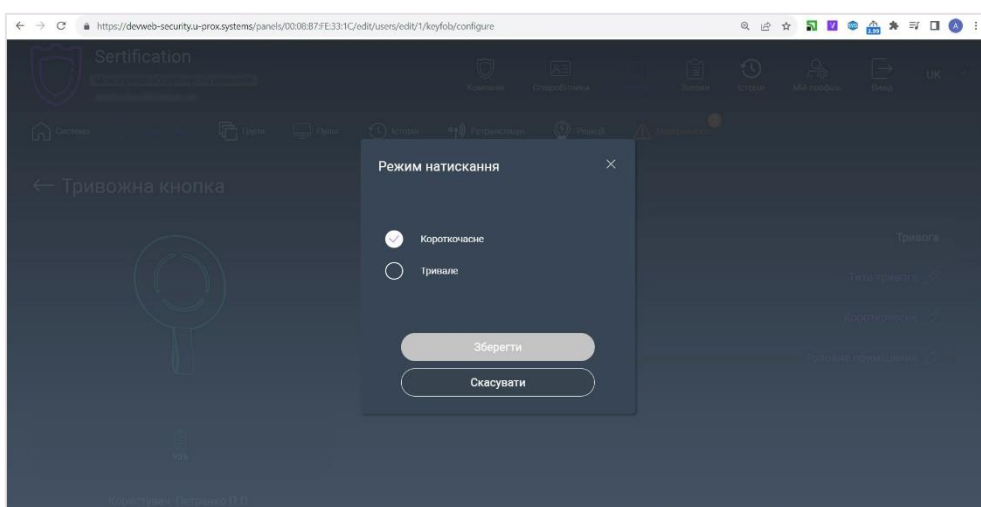
1. "Operation mode" - a notification that will be transmitted when you press the button



- a. "Silent Alarm or panic button ("Intruder Alarm", CTS)
 - when the button is pressed, the system switches to the Silent Alarm state without activating the sound alert (siren) and transmits an alarm notification
 - b. "Loud alarm or alarm with siren activation"
 - when the button is pressed, the system switches to the "Alarm" state, with the sound alert (siren) activated, and transmits an alarm notification
 - c. "Medical Alarm"
 - when the button is pressed, the system transmits the Medical Alarm notification
2. "Group" - selects the security group to which the device belongs. A security group is a logical set of zones of a protected premises (for example, a room, apartment, garage, floor of a building, etc.), a minimum security unit. A security group allows you to manage all zones simultaneously. Security groups are independent - the user can manage and view only those security groups, devices, and events in them to which he or she has been granted access.

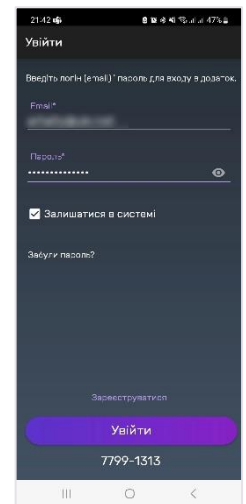
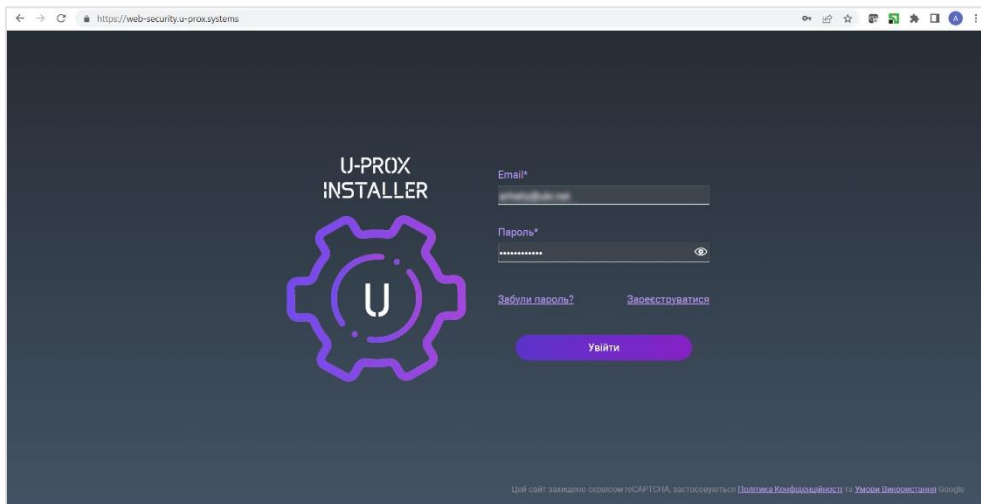


3. "Press mode" - setting the triggering condition when the button is pressed

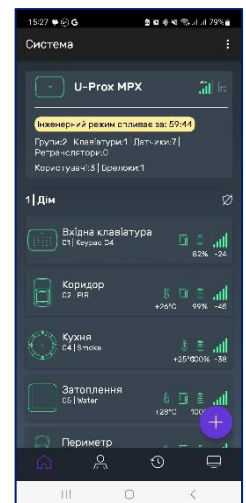
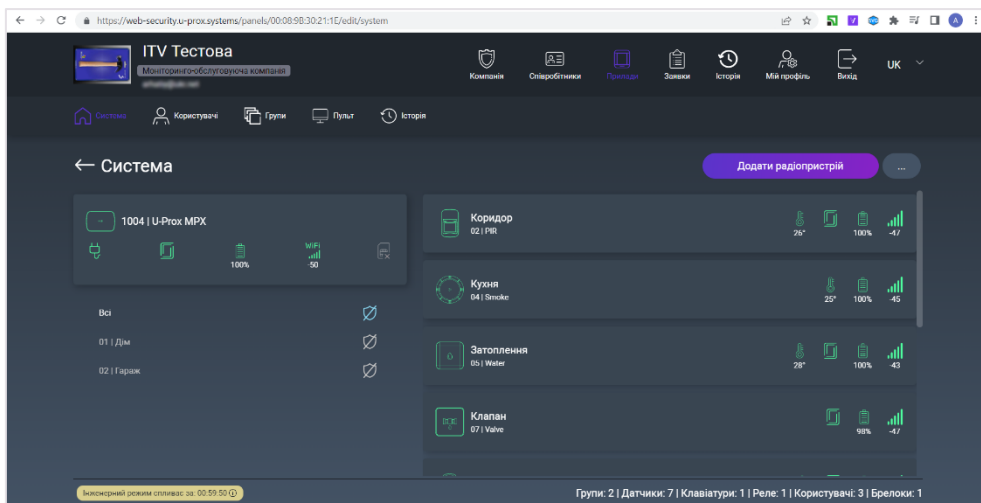


Remove a device

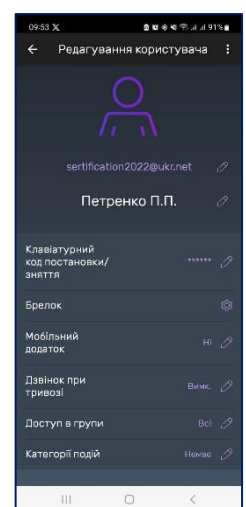
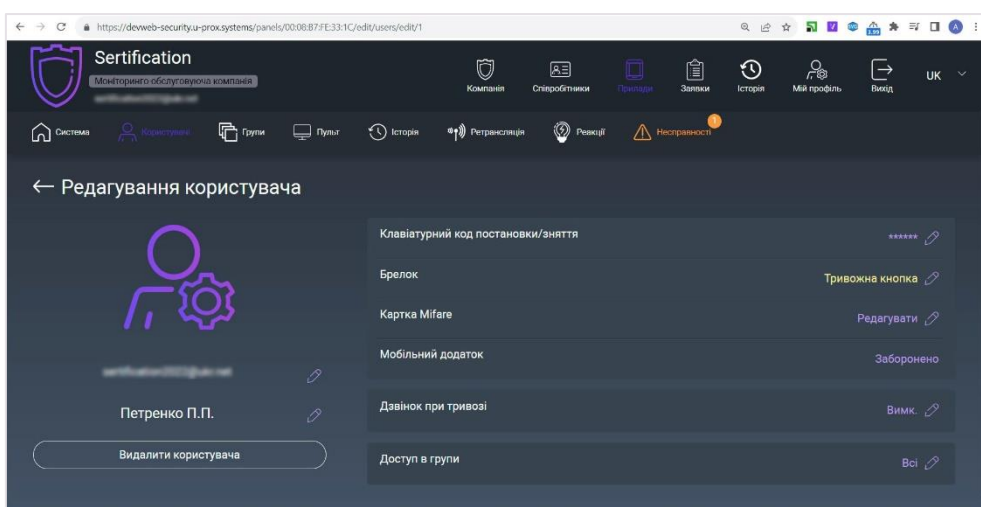
1. Launch the U-Prox Installer application or log in to the U-Prox Installer WEB portal



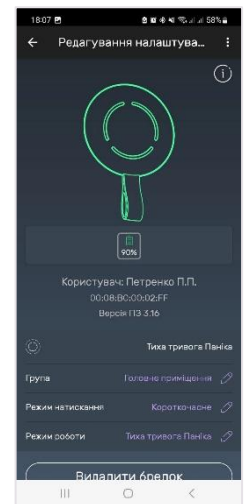
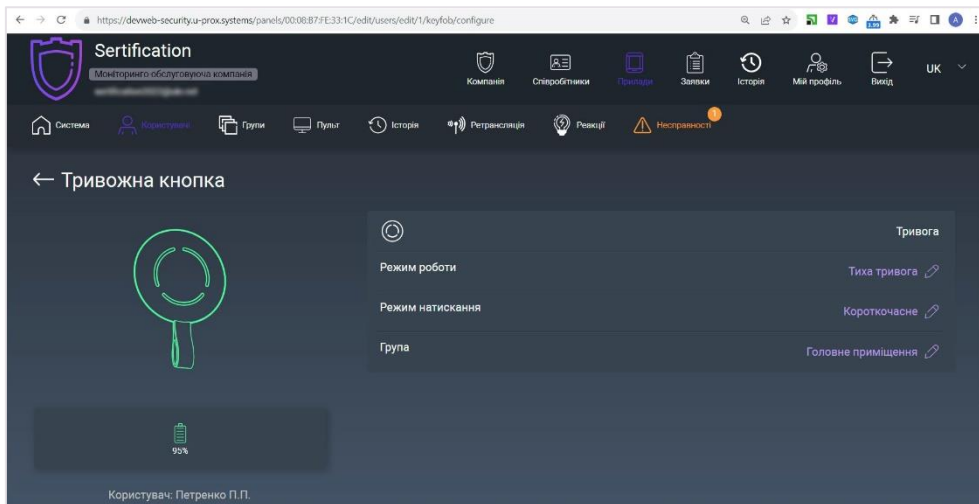
2. Select a security center from the list



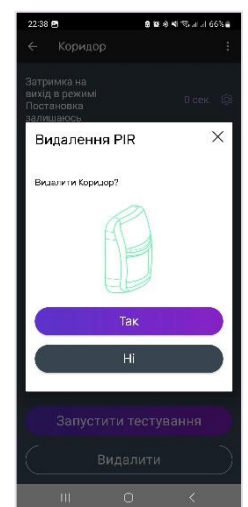
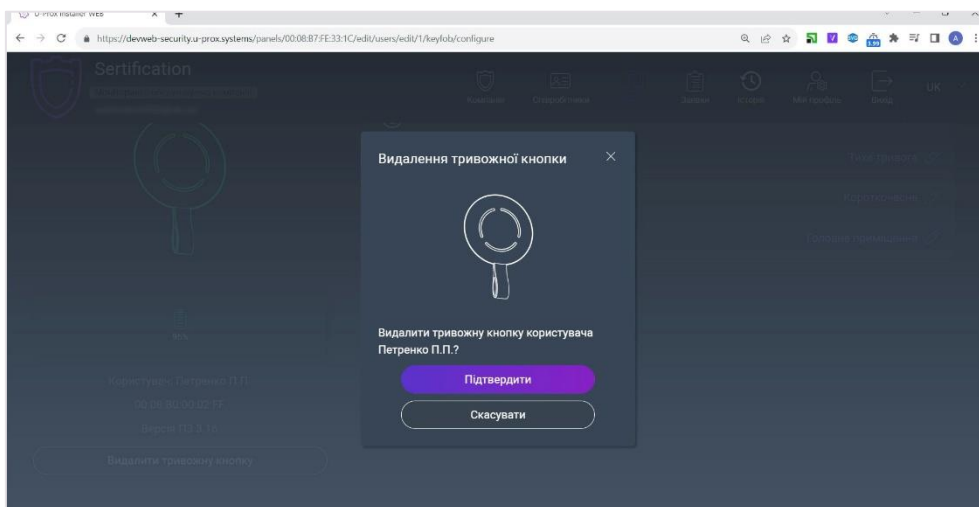
3. In the "Users" section, select a user from the list and click the "Customize key fob/alarm button" button



4. The device settings will be opened.







5. Click the "Delete" button and confirm the deletion



Wireless device states



-  - the battery is charged
-  - battery charge level
-  - the battery is critically low
-  - the battery is defective

Service

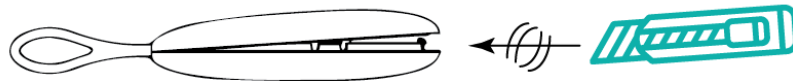
The device normally requires minimal maintenance.

Use a dry cloth suitable for appliances to periodically clean the device body from dust and other contaminants as they appear.

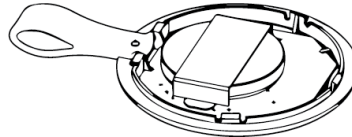
Replacing the battery

To replace the device's battery, you'll need a utility knife or something else with a similarly thin blade.

1. Remove the device from the backplate
2. Insert a knife blade into the gap between the top and bottom of the case on the opposite side of the strap. Moving the blade around, gently unlock the latches holding the top and bottom of the key fob body



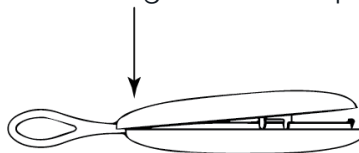
3. Replace the battery



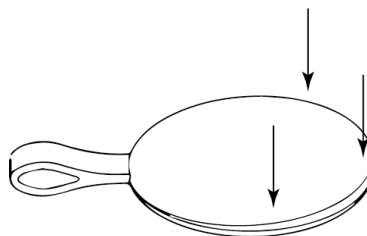
DISPOSE OF USED BATTERIES IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS.

To assemble the device:

1. Put the strap on the pin of the top cover of the case
2. Place the board in the chassis according to the guides
3. Install the bottom cover of the case, according to the cutout of the strap, with an offset of 1.5 mm. Press the cover against the strap and slide it down.



4. Next, gently press down on the lid to close the device body



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 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 50131-3:2009
 - EN 50131-5-3:2017
 - EN 50131-6:2017

Warranty obligations

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

If your device is not working properly, first contact support@uprox.systems. Perhaps this issue will be resolved remotely.

The delivery package

1. U-Prox Button;
2. CR2032 battery (pre-installed);
3. Backplate for mounting;
4. Installation kit;
5. Quick start guide