

Introduction

This manual describes the procedure for installing and configuring the wireless access-control devices U-PROX MPX. Please read this manual carefully before using the device.

Technical support for all products of the U-PROX trademark is available by phone: +38(091)481-01-69 and/or via e-mail: support@u-prox.systems.

Safety Warnings

When installing and operating the device, you must comply with the "Rules for the Technical Operation of Electrical Devices by Consumers" and the "Safety Rules for the Operation of Electrical Devices".

Installation work must be carried out with the power supply turned off. In addition, observe fire safety regulations while performing any work.

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

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

THE BATTERY CANNOT BE CHARGED AT TEMPERATURES BELOW 10°C; ENSURE THAT THE POWER ADAPTER IS CONNECTED.

Description and Principle of Operation

U-PROX MPX L is the wireless security center. It manages the home security system and supports connection of wireless devices (detectors, keypads, key fobs, etc.) via a radio channel at distances up to 4800 m. (Reference to distance and communication parameters is in accordance with the U-Prox MPX L/LE Manual.) :contentReference[oaicite:2]{index=2}

The device interacts with both the user and the security company using the Internet (via Wi-Fi, Ethernet) and LTE communication to ensure reliability.

It has two transceivers operating at 868.0...868.6 MHz (with several redundant channels) and provides secure, encrypted (256-bit encryption key) two-way radio communication with jamming detection.

Wireless devices connected to U-PROX MPX operate on a notification scheme – they report events (for example, triggering of a motion sensor or magnetic contact) and periodically transmit their status (such as battery level). This operational principle helps conserve battery life and reduce radio channel load.

U-PROX MPX L supports photo verification and alarm photo recording thanks to motion detectors with an integrated U-PROX PIR Cam.

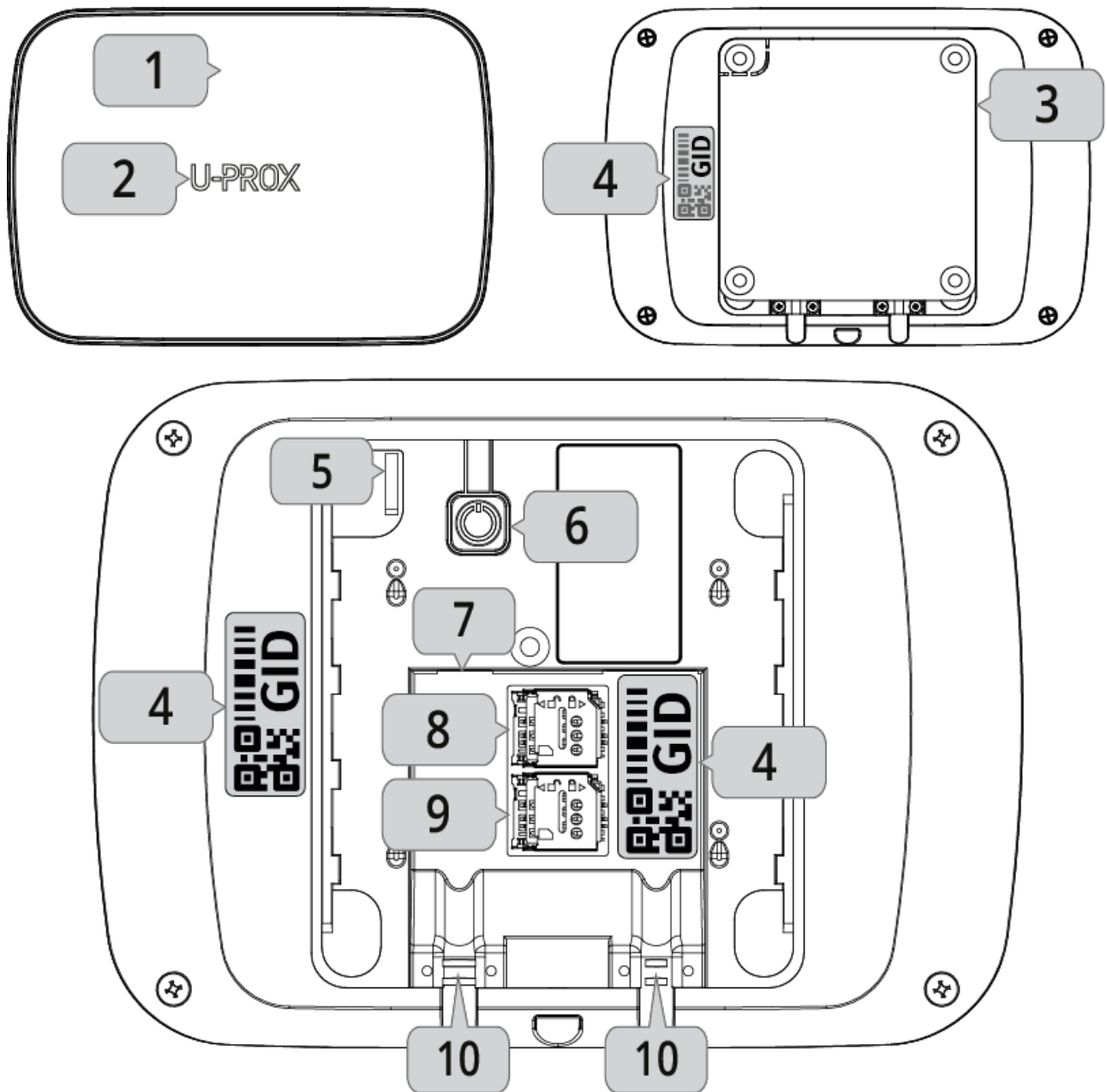
The device is equipped with a built-in battery of 2500 mAh capacity and can operate for up to 20 hours in the absence of main power.

For user interaction, Internet access is required to connect to the U-PROX Cloud service. Through this cloud service and smartphone applications, users can manage and configure U-PROX MPX L. The U-PROX Cloud service is essential for integration with the security system, maintenance, and for receiving updated software for both the security center and connected wireless devices.

U-PROX MPX L and U-PROX Cloud are designed so that only the minimum necessary personal data is stored on the cloud in a secure manner, and the communication between the device and U-PROX Cloud occurs over a secure, crypto-resistant channel.

The device can operate autonomously, sending events directly to users' smartphones, or be connected to a security company. Depending on the device settings, events may be transmitted directly and/or via the U-PROX Cloud.

Functional Elements of the Device



1. 1. Device housing
2. 2. Light indicator
3. 3. Mounting plate
4. 4. GID – serial number
5. 5. Tamper contact
6. 6. Power button
7. 7. Connector for connecting the power supply unit
8. 8. SIM card holder No. 1
9. 9. SIM card holder No. 2
10. 10. Cable clamps

Zone

A zone is a part of a premises protected by a security device or a wireless sensor. For example, a room secured by a motion detector may be designated "Zone 5," and a window secured by a

magnetic contact may be "Zone 7." Depending on its type, a wireless sensor can work with multiple zones; for instance, a combined motion and glass-break sensor uses two separate zones.

Mobile Communication

U-PROX MPX L supports 4G/2G communication. The 2G data rate is 20–55 kb/s, and 4G can reach up to 10 Mb/s.

The device works sequentially with two SIM cards; when one is active, the other remains in cold standby. It automatically detects the network operator and adjusts the settings for mobile network access. Depending on the services provided, the device can not only transfer data but also place a call to a designated phone number to notify users of an alarm.

IF BOTH SIM CARDS ARE ABSENT FROM THE DEVICE FOR 5 MINUTES, THE DEVICE WILL TURN OFF THE MODEM. AFTER INSERTING A SIM CARD, YOU MUST RESTART THE DEVICE.

Wi-Fi

All U-PROX MPX models support 2.4 GHz Wi-Fi.

Connection to an access point can be performed either locally via the U-PROX Installer mobile application using the BLE (Bluetooth Low Energy) channel or remotely via the U-PROX Installer WEB portal or the mobile installer app.

DHCP is supported for dynamically obtaining an IP address in the network.

Power Supply

The device is powered by a 12V power supply and features a standard DC 5.5×2.5 mm plug socket. This allows the use of alternative power supplies or connection to an external uninterruptible power source or battery.

In the absence of main power, the device switches to power-saving mode, operating from its built-in battery.

In this mode, if there is no connection via Wi-Fi, the device turns off Wi-Fi and works solely on LTE.

The continuous status display is also disabled; instead, the status is updated every 30 seconds.

Indication in the Current Mode

The U-PROX indicator light on the front panel shows the current status of the device:

Glowing green – indicates connection to U-PROX Cloud via at least one communication channel.

Glowing red – indicates no connection to U-PROX Cloud via any LTE or Wi-Fi channel.

Indication When Operating Without Main Power Supply

Flashes green every 30 seconds – indicates that there is no main power, the device is in power-saving mode, and there is connection to U-PROX Cloud via at least one channel.

Flashes red every 30 seconds – indicates that there is no main power, the device is in power-saving mode, and there is no connection to U-PROX Cloud via any LTE or Wi-Fi channel.

Installation

Selecting the Installation Location

Carefully choose the location for installing the U-PROX MPX wireless security center. It must meet the following criteria:

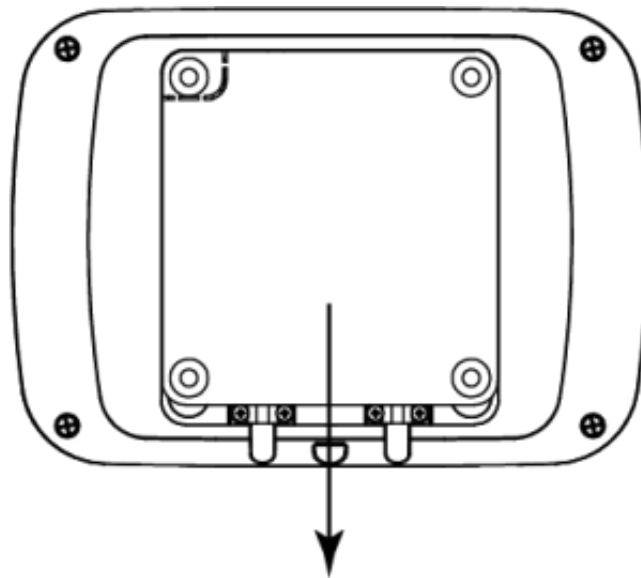
1. Reliable communication with U-PROX wireless devices.
2. Stable LTE network signal.
3. Stable Wi-Fi signal.
4. The device must be connected via Ethernet (for U-PROX MPX LE models).
5. The device should not be placed in plain sight.

U-PROX MPX must not be installed:

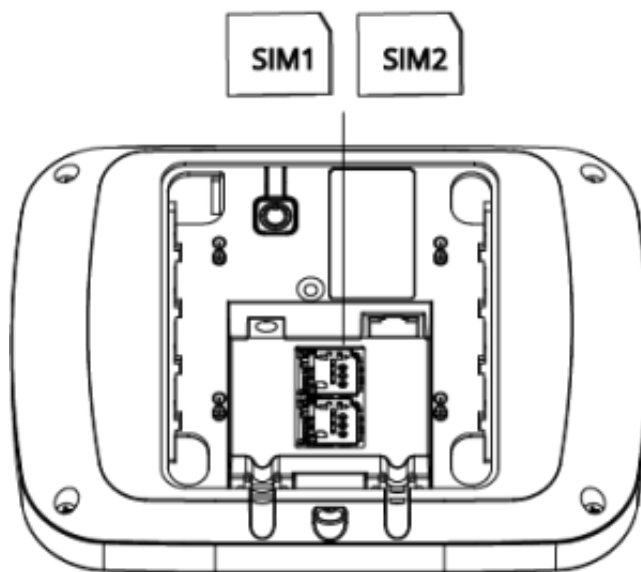
1. Outdoors or in areas with unacceptable humidity and temperature.
2. In locations with high levels of radio interference.
3. Near objects that can cause radio signal attenuation (such as metal, mirrors, etc.).

Connection

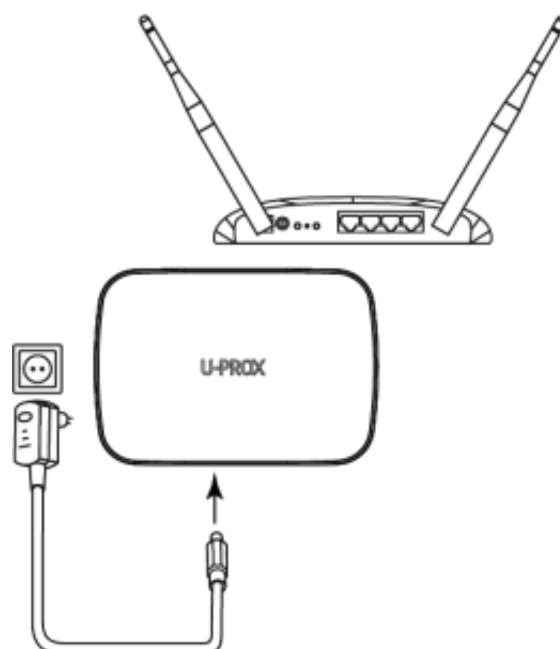
1. Slide the mounting plate downward and remove it.



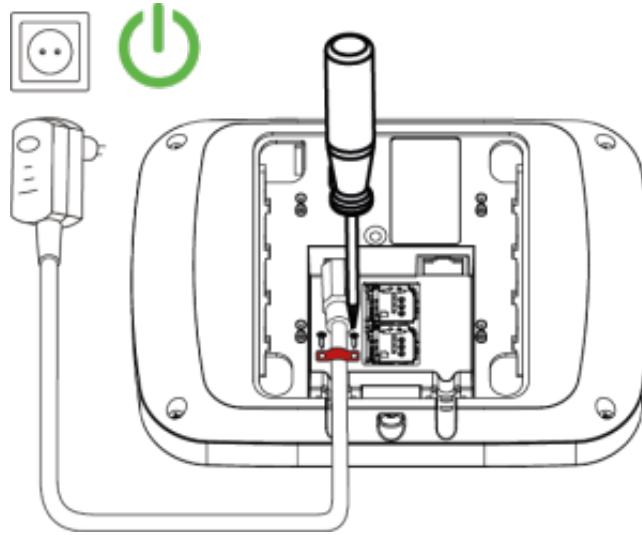
2. Insert the SIM cards (with the PIN request disabled) into the holders.



3. For U-PROX MPX LE models: Connect the power supply unit to the device connector.



4. Secure the cable using the provided cable clip.

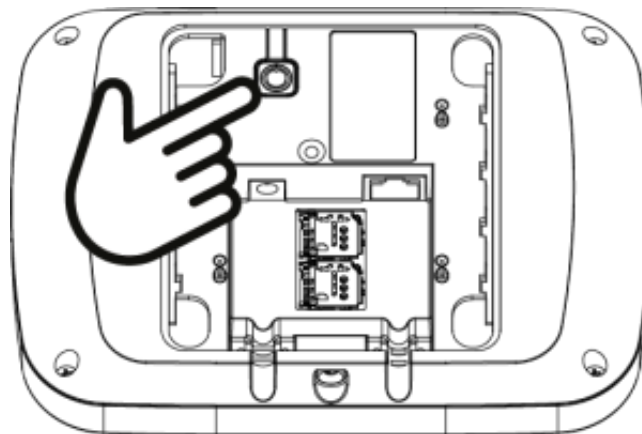


Turning On and Off

To turn on the device, simply connect the power supply to the device and plug it into an outlet.

To start the device without the main power connected, press the power button; the indicator light will turn on and the device will begin its boot-up process.

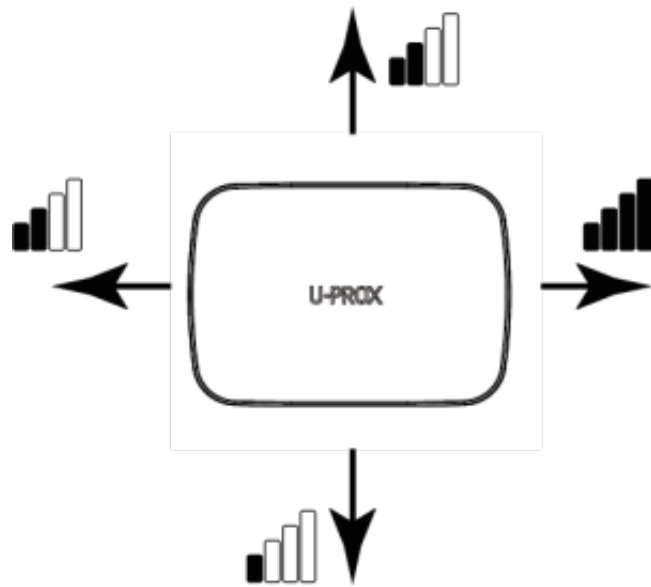
To turn off the device, disconnect the power supply, then press and hold the power button for 3 seconds until the audible signal is heard and the indicator light goes out.



Testing the Connection

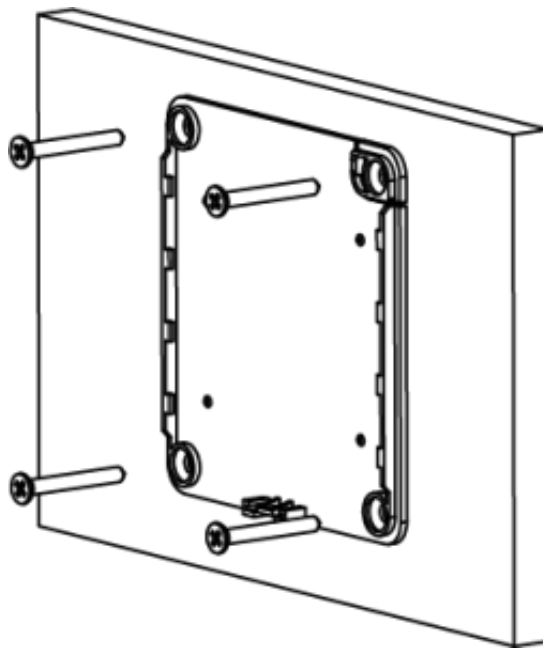
BEFORE PERFORMING THIS STEP, THE DEVICE MUST BE CONNECTED TO U-PROX CLOUD.

1. Launch the U-PROX Installer application.
2. Select the device from the list.
3. Move the device within the pre-selected installation area.
4. Using the information provided in the U-PROX Installer mobile app, choose the location with the optimal signal strength.

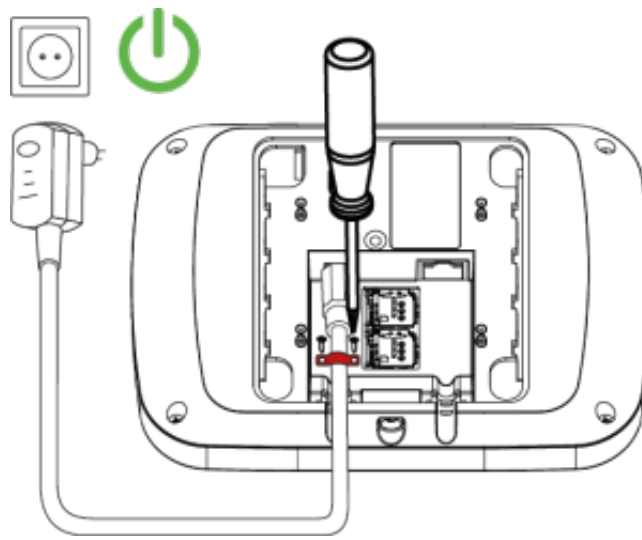


Mounting

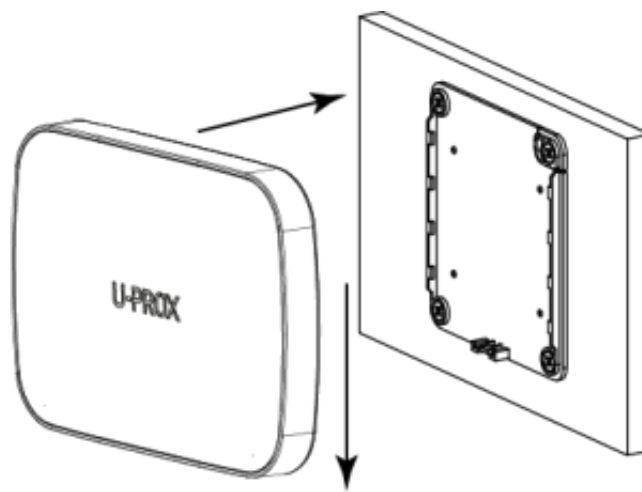
1. Mount the plate on the surface (e.g. wall) at the installation location using the screws and dowels provided in the kit.



2. Ensure that the power supply is connected and secured with the cable clip.



3. Install the device on the mounting plate and slide it down to engage and lock the tamper contact.



4. Secure the housing with the screw provided in the kit.

Working with U-PROX Cloud

To work with U-PROX devices in the cloud system, two separate applications are used with distinct functions. The first is the U-PROX Home user application for managing the security system, and the second is the U-PROX Installer application for configuring U-PROX devices.

The configuration of the U-PROX MPX device is performed via the U-PROX Installer mobile application or the U-PROX Installer WEB portal through the U-PROX Cloud.

To access U-PROX Cloud services, you must register and create an account using your email address.

U-PROX Cloud Accounts

The cloud system supports the following types of accounts:

Individual (Autonomous) Installer

Registration is carried out via the U-PROX Installer application or on the U-PROX Installer WEB portal:

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

An individual installer can:

- Add U-PROX MPX devices to U-PROX Cloud
- Remove U-PROX devices from U-PROX Cloud
- Add (register) wireless devices to U-PROX MPX, such as detectors, keypads, etc.
- Configure the added wireless devices
- Set up security groups in U-PROX MPX devices
- Create users for the U-PROX MPX security system and configure their access parameters (keypad code, key fob, notifications, etc.)
- Provide access to the U-PROX Home mobile application for users
- View events for all U-PROX devices added to the installer's account
- Transfer the U-PROX MPX security system to a security company for maintenance

Security Company Administrator

To register, send a request to:

support@u-prox.systems

A security company administrator can:

- Configure company information – description, logo, contact details
- Manage company personnel – add or remove engineers and managers
- Manage access rights for personnel (e.g. limiting the list of devices available to the installer)
- Process connection requests from individual installers
- Add U-PROX MPX devices to U-PROX Cloud
- Remove U-PROX devices from U-PROX Cloud
- Add (register) wireless devices to U-PROX MPX, such as detectors, keypads, etc.
- Configure the added wireless devices
- Set up security groups in U-PROX MPX devices
- Create users for the U-PROX MPX security system and configure their access parameters
- Provide access to the U-PROX Home mobile application for users
- View events for all U-PROX devices added to the security company's account
- Download the U-PROX Console v2 event receiver software for receiving events from security centers and connecting to monitoring software

Security Company Installer

Registration is performed via an invitation link sent by the security company administrator to the installer's email.

A security company installer can:

- Add U-PROX MPX devices to U-PROX Cloud
- Add (register) wireless devices to U-PROX MPX, such as detectors, keypads, etc.
- Configure the added wireless devices
- Set up security groups in U-PROX MPX devices
- Create users for the U-PROX MPX security system and configure their access parameters
- Provide access to the U-PROX Home mobile application for users
- View events for all U-PROX devices added to the installer's account

Security Company Manager

Registration is performed via an invitation link sent by the security company administrator to the installer's email.

A security company manager can:

- View devices and events for all U-PROX devices added to the manager's account
- Process connection requests from individual installers

User of the System Serviced by a Security Company

Registration is performed via an invitation link sent by the security company installer to the user's email.

System management is performed using the separate U-PROX Home user application.

A user can:

- View the status of the security system and its devices
- Arm and disarm the system
- Perform partial arming – “Perimeter” (night mode)
- Control home automation actuators – relays, valves, etc.
- View system events
- Watch video from surveillance cameras online
- Receive alarm notifications
- View images on demand or during photo verification of alarms from U-PROX PIR Cam detectors

- Add users if the installer has granted the appropriate permission

User of an Autonomous System

Registration is performed via an invitation link sent by an individual installer to the user's email.

System management is performed using the separate U-PROX Home user application.

A user can:

- View the status of the security system and its devices
- Arm and disarm the system
- Perform partial arming – “Perimeter” (night mode)
- Control home automation actuators – relays, valves, etc.
- View system events
- Watch video from surveillance cameras online
- Receive alarm notifications
- View images on demand or during photo verification of alarms from U-PROX PIR Cam detectors
- Add users if the installer has granted the appropriate permission
- Transfer the U-PROX MPX security system to a security company for maintenance

U-PROX Installer Mobile Application

This application is used for configuring the U-PROX wireless security system. It is intended for both individual users and engineers of central monitoring organizations.



Using a mobile phone, the app allows full configuration of the security system – installation, testing, and calibration of wireless system elements; configuration of security groups; connection to monitoring stations; addition of users and granting them rights to manage the security system via the U-PROX Home app.

U-PROX Home Mobile User Application

This application is designed to control the U-PROX wireless security system.

Using your mobile phone, regardless of your location, you can arm/disarm your home, control home automation devices, and monitor system events via push notifications and event history for a specified time period.



With this single app, you can manage several security systems (for example: an apartment, a country house), each of which can have one or more security groups (e.g. house, garage, safe).

Installer Web Portal

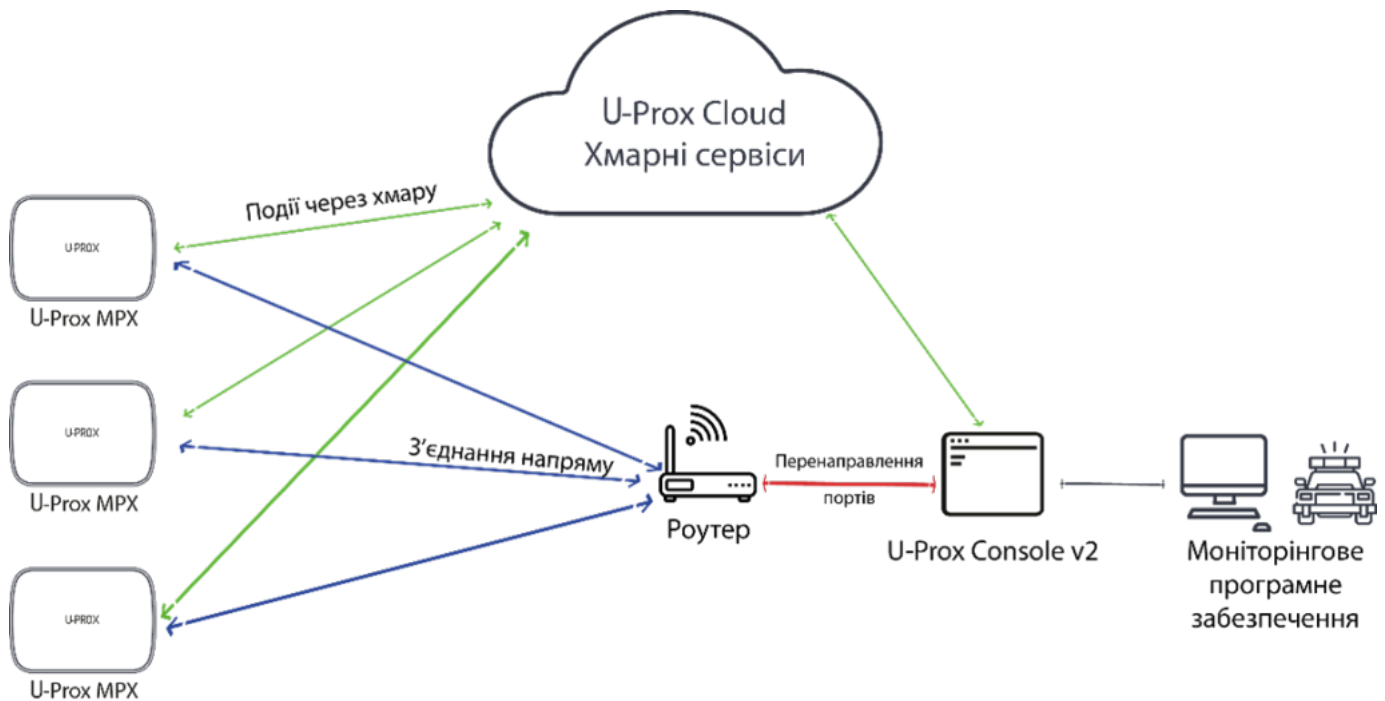
The U-PROX Installer WEB portal is designed for configuring the U-PROX wireless security system. It is intended for both individual users and engineers of central monitoring organizations.

Using a web browser, you can perform complete system configuration – installation, testing, and calibration of wireless system elements; configuration of security groups; connection to monitoring stations; addition of users and granting them rights to control the system via the U-PROX Home app.

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

U-PROX Console v2 Event Receiver

U-PROX Console v2 is software designed for easy integration of U-PROX devices with monitoring software. It works with most monitoring applications and supports ContactID, SIA DCO9, and XML formats.



You can download the U-PROX Console v2 software and configuration file from the security company administrator's workstation on the U-PROX Installer WEB portal.

Settings

1. Download and install the U-PROX Installer mobile application for system configuration.
2. Launch the U-PROX Installer application and log in.

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

Adding a Device to U-PROX Cloud

1. Launch the U-PROX Installer application or open the web portal in your browser and log in.
2. Click the (+) button ("Add Device") to add a device.
3. When adding a device via the mobile app, you can either add a security center by its serial number or search for it via Bluetooth:
 - Clicking the "Connect via Bluetooth" button will initiate a Bluetooth search. For proper operation, ensure that geolocation and Bluetooth services are enabled.
 - To activate Bluetooth on the device, break the tamper contact by moving the device mounted on the backplate upward, or if the device is not yet mounted, slide the mounting plate downward.

AFTER THE TAMPER IS BROKEN, BLUETOOTH ON THE DEVICE WILL REMAIN ACTIVE FOR 15 MINUTES. TO RESTART BLUETOOTH, RESTORE AND BREAK THE TAMPER AGAIN.

- The U-PROX Installer app will search for and display nearby devices.
- Select the device you wish to add to your account from the list.
- After selection, the app will offer to configure Wi-Fi. Click "Skip" to configure later; in that case, the device will use mobile internet (if a SIM card is inserted) or Ethernet (only for U-PROX MPX LE) to connect to U-PROX Cloud.
- After clicking "Set up Wi-Fi," the device will scan for Wi-Fi networks.

ATTENTION: THE DEVICE WORKS ONLY WITH 2.4 GHz WI-FI. OTHER WI-FI TYPES ARE NOT SUPPORTED AND WILL NOT APPEAR DURING SCANNING.

- Select the desired network from the list and enter the password.
 - The device will then connect to the Wi-Fi network and proceed to join U-PROX Cloud.
4. When adding a device via the U-PROX Installer WEB portal, enter the serial number of the security center. In the mobile app, click "Add by Serial Number."
 5. The device will be connected to the cloud account.
 6. You will be taken to the device list.

AFTER SUCCESSFULLY ADDING THE DEVICE, IT BECOMES ASSOCIATED WITH THE SECURITY COMPANY'S OR INDIVIDUAL INSTALLER'S ACCOUNT. TO ADD IT TO ANOTHER ACCOUNT, YOU MUST DELETE THE DEVICE FROM THE PREVIOUS ACCOUNT.

Basic Settings of the Security Center

1. Select the device you wish to configure from the list.
2. Go to the security center settings.
3. "Group Settings" – navigate to the section for managing security groups.
4. "Device Name" setting – change the name of the security center.
5. "Software Update" setting – enable or disable automatic firmware updates from the cloud service.
6. "Light Indication" setting – turn the indicator on or off on the front panel.
7. "Auto-Cancel Alarm" setting – determine whether the alarm is canceled after a set time, by user action in the app, or after entering a code on the keypad.
8. "Cellular Data Network" – configure mobile internet connection settings.
9. "Wi-Fi Network" – configure connection to a wireless network.
10. "Ethernet" – set up the wired internet connection.
11. "Monitor SIM Card Balance" – the device periodically requests the remaining mobile internet balance from the modem.
12. "Airborne Alarm Siren" – enable sound notification on U-PROX Siren and U-PROX Siren Outdoor devices for airborne alarms and cancellation of airborne alarms in a specified region.

13. 13. "Time Zone" – a parameter that specifies the correction needed to determine local time.
14. 14. Special settings:
 - "Disable Tamper" – when enabled, the device will not respond to case opening.
 - "Disable Radio Noise Detector" – disables the radio noise detection algorithm as per EN 50131-1.

Setting up Wi-Fi Remotely from the U-PROX Installer WEB Portal and Mobile Application

1. 1. Select the device for which you wish to set up or reconfigure Wi-Fi from the device list.
2. 2. Go to the security center settings and select "Wi-Fi Settings".
3. 3. Click the "Search for Wi-Fi Points" button. The device will search for available networks.
4. 4. The found access points will be displayed. Select the desired network.
5. 5. Enter the password and confirm that an alternative communication channel is available in case the Wi-Fi connection fails.
6. 6. The device will connect to the Wi-Fi network.

WARNING: THE DEVICE WORKS ONLY WITH 2.4 GHz WI-FI. OTHER TYPES ARE NOT SUPPORTED AND WILL NOT APPEAR DURING SCANNING.

Setting up the Cellular (Mobile) Network

1. 1. From the device list, select the device for which you want to set special cellular network parameters.
2. 2. Go to the security center settings and select "Cellular Network Settings".
3. 3. Choose the SIM card for which you wish to specify special settings.
4. 4. Configure the necessary parameters and confirm the availability of an alternative communication channel in case of connection failure. Click "Save".

Registering Wireless Devices

This section explains how to register wireless devices (such as detectors, keypads, etc.) with your U-PROX MPX system.

1. **Launch the U-PROX Installer Application:** Open the mobile application (or use the WEB portal) and log in using your installer credentials.
2. **Select the Security Center:** From the list of devices, choose the U-PROX MPX (or MPX LE) security center where you wish to add wireless devices.

3. **Access the Wireless Devices Section:** In the security center settings menu, select the option labeled “Register Wireless Devices” (or a similarly named section).
4. **Initiate Device Search:** Tap the “Register” or “Add Device” button. The system will scan for available wireless devices over the radio channel.
5. **Select and Assign:** When the nearby wireless devices appear in the list, select the one you wish to register. You may be prompted to assign it to a specific zone (for example, “Zone 5” for a motion detector or “Zone 7” for a magnetic contact).
6. **Configure Device Settings:** Follow the on-screen instructions to assign a name, set sensitivity, monitor battery thresholds, and adjust any other device-specific parameters. Confirm that the device can periodically report its status to the security center.
7. **Finalize Registration:** Once the configuration is complete, the device will be added to the security center’s list and will begin operation using the notification scheme (sending events such as sensor triggers and status updates).

User Interaction via the U-PROX Home App

This section describes how end users interact with the U-PROX security system using the U-PROX Home mobile application.

1. **Dashboard Overview:** When the U-PROX Home app is launched, users are greeted with a dashboard displaying the current status of the security center – including connectivity (Wi-Fi, LTE, or Ethernet), active alarms, and the current operating mode (armed, disarmed, or partially armed).
2. **Arming/Disarming:**
 - **Full Arming:** Activates all security zones for complete protection.
 - **Partial Arming (Perimeter Mode):** Allows selective arming of specific zones (for example, arming only the outer perimeter during nighttime).

Users can toggle these modes with a simple tap.

3. **Event Notifications and Logs:** The app sends push notifications for events such as alarms, door openings, or malfunctions. Users can also view a detailed event log that includes timestamps and descriptions for each event.
4. **Live Video and Photo Verification:** If your system includes surveillance cameras or U-PROX PIR Cam devices, the app enables live video streaming or allows you to request and view photos for verification when an alarm is triggered.

5. **Account and User Settings:** Through the app, users can set or change disarming PIN codes, adjust notification preferences, manage personal profiles, and, if permitted by the installer, add or remove additional users.
6. **Help and Support:** An integrated help section offers step-by-step instructions and troubleshooting tips, ensuring that users can quickly resolve common issues or learn to use advanced features.

Installer Web Portal

The U-PROX Installer WEB portal is designed for configuring the U-PROX wireless security system.

It is intended for both individual installers and engineers from central monitoring organizations.

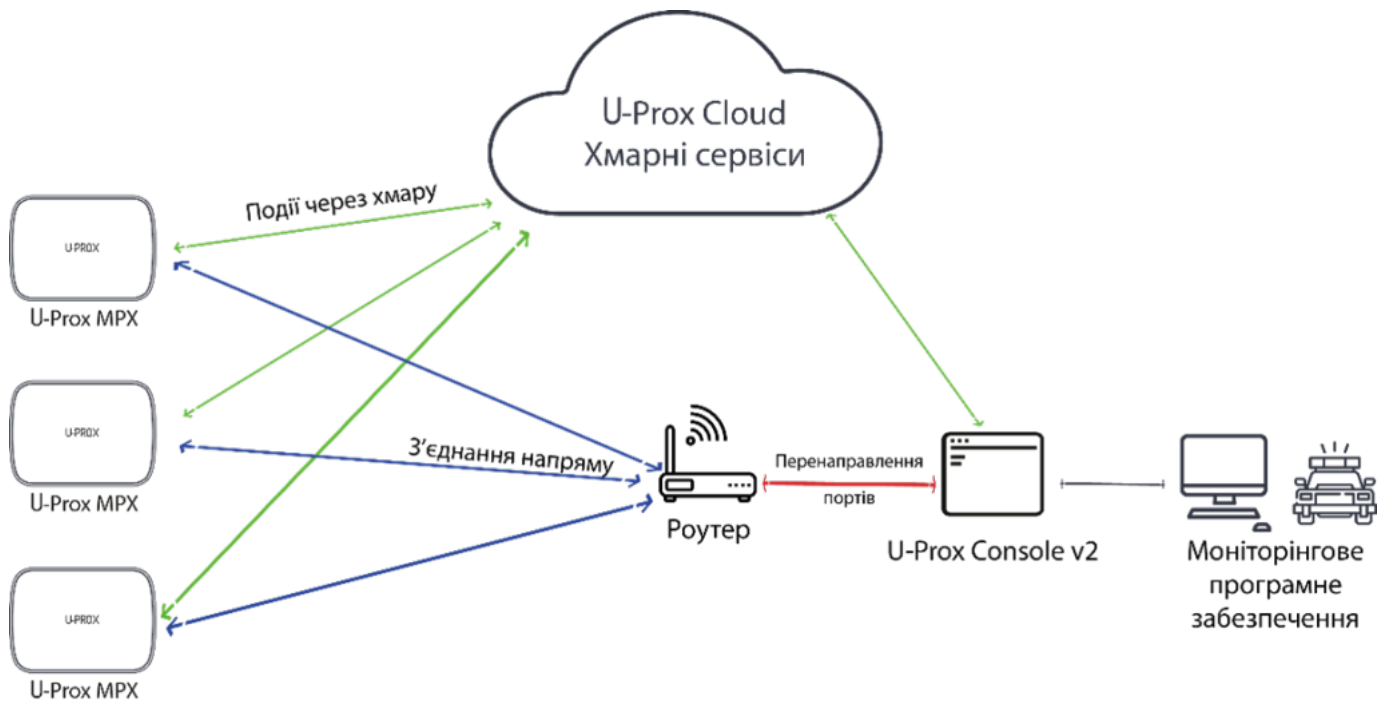
Using a web browser, you can perform a complete configuration of the security system – including installation, testing, and calibration of wireless system elements; setting up security groups; connecting to monitoring stations; and adding users with appropriate access rights to control the system via the U-PROX Home app.

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

U-PROX Console v2 Event Receiver

U-PROX Console v2 is a software application designed for the seamless integration of U-PROX devices with monitoring systems.

It is compatible with most monitoring software and supports data formats such as ContactID, SIA DCo9, and XML.



The U-PROX Console v2 software and its configuration file can be downloaded from the security company administrator's workstation via the U-PROX Installer WEB portal.

Settings

1. **Install the Application:** Download and install the U-PROX Installer mobile application to configure your system.
2. **Log In:** Launch the U-PROX Installer application and sign in with your credentials.

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

Adding a Device to U-PROX Cloud

1. **Start the Process:** Launch the U-PROX Installer application or open the web portal in your browser and log in.
2. **Add the Device:** Click the (+) button ("Add Device") to initiate adding a new device.
3. **Device Discovery (Mobile App):** When using the mobile app, you have two options:
 - Add by serial number, or
 - Search for the device via Bluetooth. To use Bluetooth, tap "Connect via Bluetooth". Ensure that both geolocation and Bluetooth are enabled. (Note: To activate Bluetooth on the device, break the tamper contact by lifting the device from its backplate, or, if not mounted yet, slide the mounting plate downward.)

4. **Bluetooth Notice:** After the tamper is broken, Bluetooth remains active for 15 minutes. To restart Bluetooth after this period, restore and then break the tamper again.
5. **Select the Device:** The U-PROX Installer app will display nearby devices. Choose the device you wish to add from the list.
6. **Wi-Fi Setup Option:** After selecting the device, the app may prompt you to configure Wi-Fi. You can choose "Skip" to do it later; in that case, the device will use mobile internet (if a SIM card is inserted) or Ethernet (for U-PROX MPX LE) to connect to U-PROX Cloud.
7. **Wi-Fi Configuration:** If you choose to set up Wi-Fi, tap "Set up Wi-Fi". The device will scan for available networks. Select your desired network and enter the password. (Reminder: The device supports only 2.4 GHz Wi-Fi.)
8. **Finalize Addition:** When adding a device via the WEB portal, enter the security center's serial number. The device will then be linked to your cloud account and appear in your device list.

AFTER SUCCESSFULLY ADDING THE DEVICE, IT BECOMES ASSOCIATED WITH THE ACCOUNT OF A SECURITY COMPANY OR AN INDIVIDUAL INSTALLER. TO ADD IT TO ANOTHER ACCOUNT, REMOVE IT FROM THE CURRENT ACCOUNT FIRST.

Basic Settings of the Security Center

1. **Select Device:** Choose the device you wish to configure from the device list.
2. **Access Settings:** Enter the security center settings menu.
3. **Group Settings:** Navigate to "Group Settings" to manage security groups.
4. **Device Name:** Change the name of the security center as needed.
5. **Software Update:** Enable or disable automatic firmware updates from the cloud service.
6. **Light Indication:** Turn the front panel indicator on or off.
7. **Auto-Cancel Alarm:** Set whether the alarm should cancel after a predetermined time, via user action in the app, or after a code is entered on the keypad.
8. **Cellular Data Network:** Configure the settings for the mobile internet connection.
9. **Wi-Fi Network:** Set up the connection to a wireless network.

10. **Ethernet:** Configure the wired internet connection (for U-PROX MPX LE).
11. **Monitor SIM Card Balance:** Enable the function where the device periodically requests the remaining mobile internet balance from the modem.
12. **Airborne Alarm Siren:** Enable sound notifications on U-PROX Siren and U-PROX Siren Outdoor devices for airborne alarms and their cancellation in a specified region.
13. **Time Zone:** Specify the time zone correction for local time determination.
14. **Special Settings:**
 - "Disable Tamper" – when enabled, the device will not respond to case openings.
 - "Disable Radio Noise Detector" – disables the radio noise detection algorithm according to EN 50131-1.

Setting up Wi-Fi Remotely from the U-PROX Installer WEB Portal and Mobile Application

1. **Select the Device:** From the list, choose the security center for which you want to configure Wi-Fi.
2. **Access Wi-Fi Settings:** In the security center settings menu, select the "Wi-Fi Settings" option.
3. **Search for Access Points:** Tap the "Search for Wi-Fi Points" button. The device will scan for available 2.4 GHz networks.
4. **Select a Network:** Once the available networks are listed, choose the desired Wi-Fi network.
5. **Enter Credentials:** Input the Wi-Fi password and, if prompted, confirm that an alternative communication channel is available in case the Wi-Fi connection fails.
6. **Connection Confirmation:** The device will attempt to connect to the selected network. Once connected, the status will update accordingly in the settings.

WARNING: THE DEVICE WORKS ONLY WITH 2.4 GHz WI-FI. OTHER WI-FI TYPES ARE NOT SUPPORTED AND WILL NOT APPEAR DURING SCANNING.

Setting up the Cellular (Mobile) Network

1. **Select the Device:** From the device list, choose the security center for which you want to set cellular network parameters.

2. **Access Cellular Settings:** Navigate to the “Cellular Network Settings” within the security center settings.
3. **Select a SIM Card:** Choose the SIM card for which you want to configure special settings (if the device supports two SIM cards, select the appropriate one).
4. **Configure Parameters:** Enter the necessary parameters such as APN, network preferences, and any operator-specific settings. Confirm that an alternative communication channel (such as Wi-Fi or Ethernet) is available in case of cellular connection failure.
5. **Save the Settings:** Once you have entered the required information, press “Save” to apply the configuration.

Setting up a Wired Internet Connection (Ethernet)

(Applicable only for U-PROX MPX LE models)

1. **Select the Device:** Choose the U-PROX MPX LE device from the list.
2. **Access Ethernet Settings:** Within the security center settings, select “Ethernet” to view current network configuration.
3. **Automatic Configuration:** If DHCP is enabled on your network, the device will automatically obtain an IP address. The screen will then display details such as the assigned IP, subnet mask, gateway, and DNS settings.
4. **Manual Configuration:** If you wish to use a static IP, switch to manual mode and enter:
 - IP Address
 - Subnet Mask
 - Default Gateway
 - Primary and Secondary DNS

After entering these details, click “Save” to apply.

5. **Connection Test:** Once saved, the device will test the Ethernet connection. A “Link” indicator should light up if the connection is successful. If not, verify cable connections and settings.
6. **Troubleshooting:** If the connection fails:
 - Ensure that the Ethernet cable is properly connected.
 - Verify that the router or switch port is active.
 - Recheck your manual IP configuration, if applicable.

Registering Wireless Devices

1. **Launch the U-PROX Installer Application:** Open the mobile app (or access the WEB portal) and log in with your installer credentials.
2. **Select the Security Center:** From the device list, choose the security center (U-PROX MPX or MPX LE) where you wish to add wireless devices.
3. **Navigate to Wireless Registration:** In the settings menu, choose the “Register Wireless Devices” section.
4. **Initiate Device Search:** Tap the “Register” or “Add Device” button to start scanning for wireless devices over the radio channel.
5. **Select and Assign:** From the list of discovered devices, select the one you wish to register. You may be prompted to assign the device to a specific zone (for example, “Zone 5” for a motion sensor).
6. **Configure Device Parameters:** Follow the on-screen instructions to set device-specific parameters (name, sensitivity, battery thresholds, etc.) and confirm that the device will report its status and events.
7. **Finalize Registration:** Complete the process to add the device to the security center’s device list, after which it will begin normal operation in the notification scheme.

User Interaction via the U-PROX Home App

1. **Dashboard Overview:** Upon launching the U-PROX Home app, users see a dashboard that displays the current state of the security center, including connectivity status (Wi-Fi, LTE, Ethernet), active alarms, and the operating mode (armed, disarmed, or partially armed).
2. **Arming/Disarming the System:**
 - **Full Arming:** Activates all security zones.
 - **Partial Arming (Perimeter Mode):** Arms only selected zones (e.g., the exterior perimeter during the night).

Users can switch between these modes with a tap.

3. **Event Notifications and Logs:** The app sends push notifications for events (such as alarms or door activations) and provides an event log with timestamps and detailed descriptions.

4. **Live Video and Photo Verification:** If integrated with surveillance cameras or U-PROX PIR Cam devices, users can view live streams or request photos to verify an alarm event.
5. **Account and Settings Management:** Users can adjust personal settings such as disarming PIN codes, notification preferences, and profile details. If permissions are granted by the installer, additional users can be added or removed.
6. **Help and Support:** An in-app help section offers step-by-step guidance and troubleshooting tips for resolving common issues or learning advanced features.

Installer Web Portal

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

It is intended for both individual installers and engineers from central monitoring organizations.

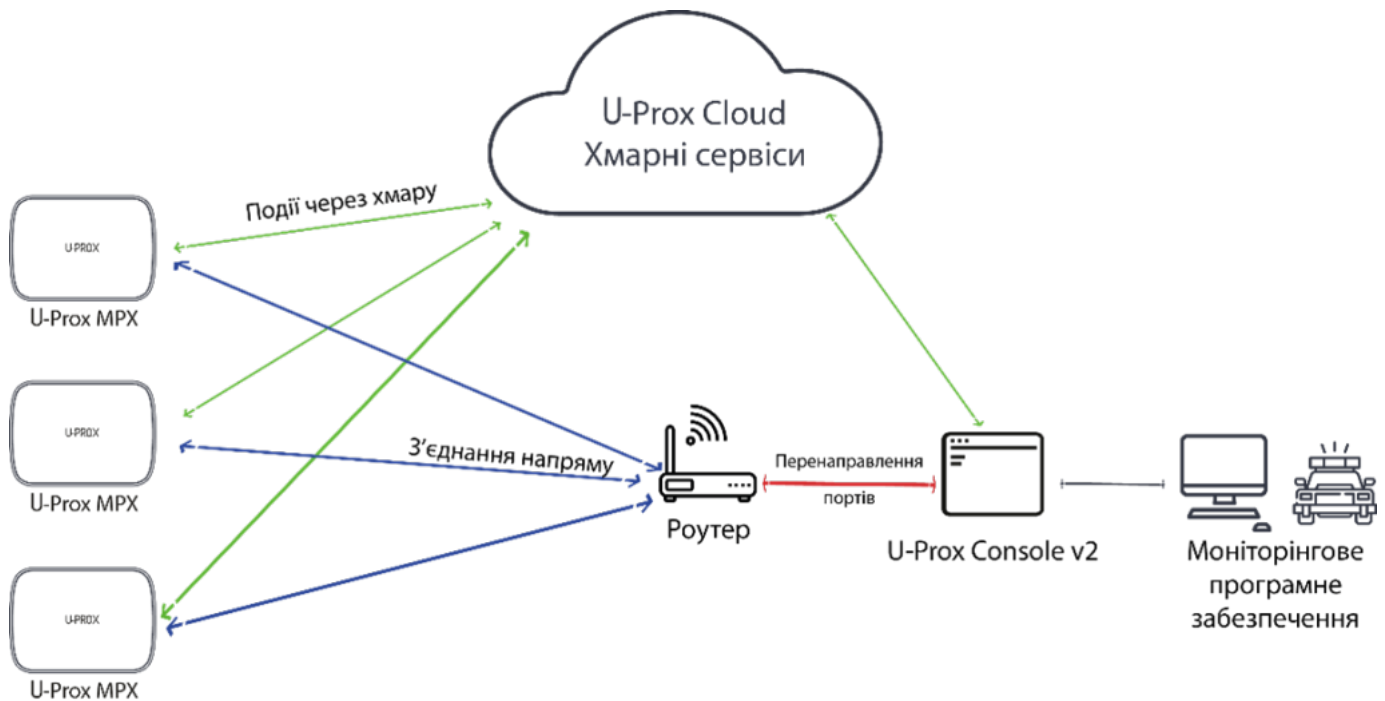
Through a web browser, you can perform a complete configuration of the security system – including installation, testing, and calibration of wireless devices; setting up security groups; connecting to monitoring centers; and adding users with appropriate access rights for management via the U-PROX Home app.

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

U-PROX Console v2 Event Receiver

U-PROX Console v2 is software that facilitates the integration of U-PROX devices with monitoring systems.

It is compatible with most monitoring applications and supports data formats such as ContactID, SIA DCO9, and XML.



The U-PROX Console v2 software and its configuration file can be downloaded from the security company administrator's workstation via the U-PROX Installer WEB portal.

Additional Options

Depending on your system requirements, the security center may offer additional configuration options such as:

- Advanced scheduling for arming and disarming
- Integration with third-party monitoring software
- Custom notifications and reporting options
- Remote diagnostics and firmware update management

Service

The service section details procedures for resetting the device to factory settings, troubleshooting common issues, and guidelines for regular maintenance.

It is recommended that all installations follow the manufacturer's guidelines to ensure reliable operation and safety.

Warranty Obligations

The warranty period for U-PROX devices (excluding power supplies) is 2 years from the date of sale. If the device does not function properly, please contact support@u-prox.systems as the issue may be resolved remotely.

Warranty repairs will not be carried out if the device fails due to improper installation, violation

of operating instructions, physical damage, or force majeure events.

The Scope of Delivery

This section lists the items included in the delivery package of the U-PROX MPX device, which typically comprises:

- The main security center unit
- Power supply unit
- Mounting hardware (screws, dowels, cable clips)
- Installation manual and warranty documentation