Purpose

U-PROX MPX G Kit – the essential starter kit of U-PROX wireless alarm devices for protection against intrusion into premises. It is the foundation for building a security system. These devices are sufficient to secure a small space or apartment.

The kit includes an arming/disarming device – a key fob, a sensor for detecting human movement, a sensor for detecting the opening of doors or windows, and the security center [U-PROX MPX G](#).

Kit Contents

The kit consists of:

U-PROX MPX G – security center

U-PROX WDC – universal wireless door and window opening sensor

U-PROX PIR – wireless motion detector, insensitive to animals

U-PROX Keyfob – wireless key fob with 3 buttons

U-PROX PSU-07 – external 12V power supply unit with a standard DC5.5*2.1 connector

Operating Principle

The security center features Wi-Fi and GSM communication channels with a slot for one SIM card, through which the device connects to:

- U-PROX SAS Cloud for transmitting statuses, notifications, and control via the user's mobile app
- U-PROX SAS Cloud for configuration via the installer's mobile app
- an event receiver or the monitoring software of a security company
- U-PROX SAS Cloud for transmission to the event receiver of a security company

The sensors interact with the security center via two-way encrypted radio communication.

When a breach is detected, the sensors send a signal to the security center, which in turn notifies the security company and the owner of the secured premises.

Thanks to the key fob included in the kit, the owner can arm or disarm the premises, as

well as send an emergency signal to the security company.

Installation and Setup

Using the free U-PROX Installer mobile app, the complete configuration of the security system is performed – from its registration in the cloud to the registration of sensors and the addition of users.

The system installer can view the status of each device, configure and update them, test the radio communication, etc., but cannot control the system – that is, arm or disarm it.

For security company professionals or individual installers, an advanced U-PROX Installer WEB app is available. The web interface allows you to configure the security company, add its employees, view and adjust the operating parameters of U-PROX security systems, and monitor their status.

System Control

The U-PROX Home app is designed for controlling the system. This mobile app features an intuitively clear dashboard, developed for the efficient management of your security system as soon as you launch the app.

With the app you will be able to:

- Control the system – set the system in different modes "Home" and "Full Security".
- Arm or disarm all or several groups (rooms) simultaneously
- Activate the panic button with transmission of the user's geolocation

- Receive push notifications with important information
- View all notifications in the event log as needed
- Manage sensors and automation devices
- Configure temperature thresholds in the sensors and trigger actions by actuators based on these thresholds
- View statistical data on temperature, sensor battery levels, network data usage, and remaining SIM card balance
- Receive notifications about air raid alerts
- Manage users – add, remove, and configure permissions
- Receive reminders to arm or disarm based on geolocation
- Receive photos from [U-PROX PIR Cam](#) sensors for alarm verification
- Receive photos from [U-PROX PIR Cam](#) sensors on demand
- View video from P2P cameras or via the RSTP protocol from cameras and NVR/DVR both during an alarm and on request

Expanding the Capabilities of the Starter Kit

The capabilities of the starter kit devices can be significantly expanded by adding additional security sensors, both indoor and outdoor, water leakage and smoke detectors, automation and integration devices, sensors with photo verification, and radio transmitters to cover a large area.

Protection Against Intrusion

The protection of premises can be enhanced using window and door opening sensors, motion sensors and glass break detectors, sensors with photo verification, etc. An internal siren serves to deter intruders.

Protection of the Surrounding Area

For protecting the area around the house, outdoor motion sensors are provided, and loud external sirens serve as a deterrent.

System Control

Advanced system control is carried out using touch keypads. A multifunctional button with the option for fixed mounting is also available – both for sending an emergency signal and for controlling automation.

Prevention of Water Leakage

Water leakage prevention is ensured by water leak sensors and devices for controlling motorized valves.

Prevention of Fire

Fire prevention is achieved by smoke detectors with a built-in siren and the capability to spread notifications to all detectors in the security group for timely response.

Automation

Control of gates, locks, switching lighting on and off, and managing 220V appliance power with the possibility of measuring their consumption using miniature relays.

Integration

Wireless modules for connecting wired equipment, for example for upgrading old alarm systems, modules for connecting infrared barrier sensors for intrusion prevention, etc.

Features of the Starter Kit

The primary purpose of the security system is to promptly notify the property owner and the security company of any unauthorized entry or emergency situation, ensuring immediate response.

Installing a security system does not guarantee complete protection of property from intruders, but its presence significantly reduces the risk of damage.

Using only GSM connectivity and a large number of motion sensors with photo verification U-PROX PIR Cam is not feasible due to the slow communication channel.