

Introduction

This manual describes the procedure for installing and configuring the U-Prox Keypad G4 – a wireless touch keypad used for arming and disarming, indicating alarms and device statuses, and interacting with the alarm system user. 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 DEVICE HAS A BUILT-IN BATTERY. REPLACING THE BATTERY WITH AN INCORRECT TYPE MAY RESULT IN FIRE OR EXPLOSION. DISPOSE OF USED BATTERIES IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS.

DO NOT USE SALT BATTERIES (Ro3)! We strongly recommend using LITHIUM BATTERIES (FRo3) or ALKALINE BATTERIES (LRo3)! Use alkaline batteries (LRo3) only at temperatures above +5°C.

Applications for Customization

U-Prox Installer Mobile Application

The U-Prox Installer mobile application is designed 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 enables you to perform full system setup—including installation, testing, and calibration of wireless elements; configuring security groups; connecting to monitoring stations; and adding users with rights to control the security system via the U-Prox Home app.



Installer Web Portal

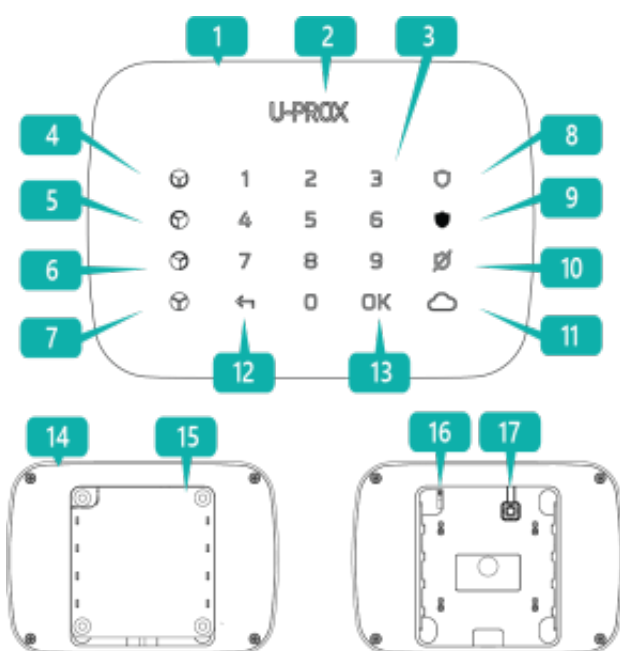
The U-Prox Installer WEB portal is designed to configure the U-Prox wireless security system. It is intended for both individual users and engineers of central monitoring organizations. Using a web browser, you can fully configure the security system—including installation, testing, and calibration of wireless elements; configuration of security groups; connecting to monitoring stations; and adding users with rights to control the system via the U-Prox Home app.

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

Description and Principle of Operation

U-Prox Keypad G4 is a wireless keypad used for arming and disarming, indicating alarms and device statuses, and interacting with the alarm system user. The keypad is installed at a convenient location within the protected premises, typically near an entrance or exit, and communicates with the U-Prox security center via a radio channel over distances up to 4800 m. It is powered by four AAA (LR03) batteries and works exclusively with the U-Prox security system.

Functional Elements of the Device



1. Keypad case
2. "U-Prox" indicator
3. Touch surface
4. Indicator button "Group 1"
5. Indicator button "Group 2"
6. Indicator button "Group 3"
7. Indicator button "Group 4"
8. Partial arming button ("Stay arming" or "Night mode")
9. Arming button
10. Disarm button
11. "Information" button (with reprogramming capability)
12. "Cancel" button
13. "OK" button for additional actions
14. Rear plate of the case
15. Mounting plate
16. Tamper contact

Features

Key features include:

- 6-digit keypad code
- An automatically generated duress code (one digit higher than the normal code)
- Blocking after 5 incorrect code entries for 10 minutes
- Sound indications for entry/exit delays and alarms
- Group management for up to 4 groups
- Power supply via 3V from four AAA (LR03) batteries (battery life up to 2 years)
- ISM wireless communication (868.0–868.6 MHz or 916.5–917 MHz, up to 4800 m range)
- Encrypted two-way radio communication with a 256-bit key and jamming detection
- Overall dimensions: 167 × 120 × 15 mm; weight: 250 grams

Power Supply

The device is powered by four AAA (LR03) batteries.

Indication

LED indicators on the keypad show the current status of the device and security groups:

- The “U-Prox” indicator blinks – the user is not authorized and must enter a code or present a card for authorization.
- The “U-Prox” indicator is on – the user is authorized.
- Group indicators light up in red – the corresponding group is under protection (or in “Guard, Stay” mode).
- Group indicators light up in green – the corresponding group is ready to be armed.
- Group indicators light up in yellow – the corresponding group is not ready to be armed or there is a malfunction (flashing yellow indicates a delay or error).



Group indicators that light up green indicate that the respective group is ready to be armed.

7. Installation Instructions

7.1 Selecting the Installation Location

Choose a location for the keypad that is convenient and secure. The device must not be placed outdoors, in rooms with unsuitable humidity or temperature, near objects that could attenuate or shield the radio signal (e.g., metal, mirrors), or closer than 1 meter to the security center.

It is recommended to install the device following these steps:

1. Register the device in the security system using the U-Prox Installer mobile application.
2. Select the installation location.
3. Install the mounting backplate.
4. Attach the device to the backplate.

Installation

1. Unscrew the locking screw.
2. Slide the backplate down and remove the keypad from the mount.
3. Mount the backplate on a surface (e.g., a wall) using the provided screws and dowels.
4. Place the keypad on the backplate and slide it down until the tamper switch locks.
5. Secure the housing with the locking screw.

8. Turning the Device On and Off

Press and hold the designated button (18) for 3 seconds to turn on the keypad – the LED indicator will light up. If the device is already registered, it will switch to standby mode. To turn it off, press and hold the button (18) for 5 seconds until the indicator goes out.

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

9. Settings

1. Download and install the U-Prox Installer mobile application for configuration.
2. Launch the U-Prox Installer app or log in via the U-Prox Installer WEB portal. If necessary, register as an autonomous installer or obtain access as a security company installer.

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10. Adding a Device to the Security System (Registration)

1. Launch the U-Prox Installer app or access the WEB portal in a browser and log in.
2. Select the U-Prox MPX (or corresponding security center) to which you want to add the keypad.
3. Go to the “Users” section and select a user, then click the “Configure key fob/alarm button” option.
4. Bring the keypad within 1 meter of the security center, press and hold the on/off button for about 20 seconds until the device is registered.
5. Release the button and configure the device settings as needed.

11. Basic Settings of the U-Prox Keypad G4

In the “Users” section, select the user for whom you wish to configure the keypad. The following settings can be adjusted:

1. "Name" – the name assigned to the keypad.
2. "Programmable button" – set the operation of the programmable button as an alarm button.
3. "Group selection" – assign the keypad to interact with one or more security groups.
4. "Alarm sound" – enable or disable the sound alert.
5. "Arming by long pressing" – enable long-press functionality for arming.
6. Special settings (e.g., "Disable tamper" and "Disable alarm when communication is lost").

12. Checking the Communication Level

Before proceeding, ensure that the keypad is properly communicating with the security center. The keypad displays its status via LED indicators on the “U-Prox” symbol and group buttons.

13. Removing a Device

1. Launch the U-Prox Installer app or log in via the U-Prox Installer WEB portal.
2. Select the security center from the list.
3. In the “Users” section, choose the user whose keypad you want to remove and click the “Customize key fob/alarm button” option.
4. Click the “Delete” button and confirm removal.

14. Wireless Device States

The keypad displays its wireless status through its LED indicators, including:

- Authorization status (blinking “U-Prox” indicates not authorized; steady “U-Prox” means authorized).
- Group status (red indicates group under protection; green indicates group ready to arm; yellow indicates group not ready or malfunctioning; flashing yellow or green indicates delays on entry or exit).

15. Service

The keypad requires minimal maintenance. Use a dry, appliance-suitable cloth to periodically clean the device.

16. Replacing the Battery

To replace the battery, use a thin-bladed tool (e.g., a utility knife) to gently pry open the case:

1. Remove the keypad from the backplate.
2. Insert the tool into the gap between the top and bottom covers on the side opposite the strap and carefully release the latches.
3. Replace the CR2032 battery, ensuring the correct polarity.
4. Reassemble the keypad by reattaching the strap, aligning the covers, and securing them.
5. Dispose of the used battery according to local regulations.

17. Compliance with Standards

The U-Prox Keypad G4 complies with the following 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
- Additional applicable standards per product specification

18. Warranty Obligations

The warranty for U-Prox devices (excluding batteries) is valid for two years from the purchase date. If the device does not function properly, please contact

support@u-prox.systems

—remote troubleshooting may be available.

19. Manufacturer Contact

If you require further assistance, please contact the manufacturer using the following information:

Phone: +38 (091) 481-01-69

E-mail: support@u-prox.systems

Website: www.u-prox.systems

20. The Delivery Package

The complete package includes:

- UPROX Keypad G4
- Two AAA (LR03) batteries (pre-installed)
- Mounting backplate
- Installation kit
- Quick start guide