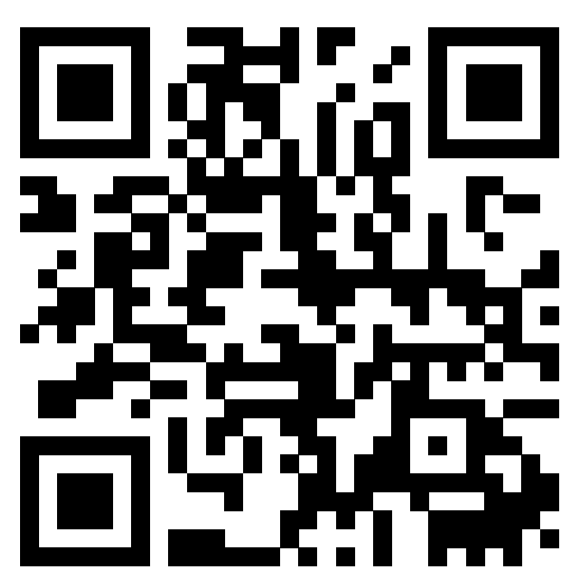


# KeyPad Plus Jeweller

Wireless touch keypad for managing the Ajax security system with encrypted contactless cards and key fobs.



An Ajax hub is required for operation  
Find the detailed information on the device by the link:

[ajax.systems/support/devices/keypad-plus](https://ajax.systems/support/devices/keypad-plus)



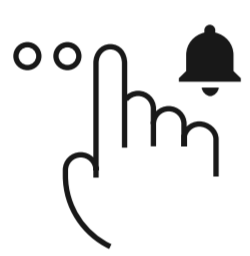
## Key features



Duress code



Protection against passcode guessing, as well as spoofing of a card or key fob



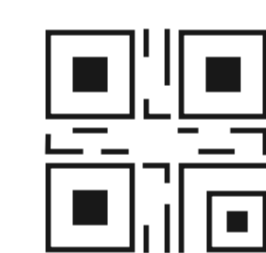
Panic button



Effortless installation and replacement



Remote control and setup via the app



Pairing with the system via QR code

## Contactless security management

With KeyPad Plus, you do not need to create Ajax accounts for new users. You just need to provide a copy-protected contactless card or key fob so that the user can manage the security of the entire object or individual groups.





## Secure User Identification

To identify users quickly and securely, KeyPad Plus uses the DESFire® technology. DESFire® is based on the ISO 14443 international standard and combines comprehensive 128-bit encryption and copy protection. This technology is also used in transportation systems of European capitals and access systems at NASA.

## Control with access codes

KeyPad Plus supports common and personal passwords, as well as arming without entering a password. The keypad additionally supports passcodes for users not connected to the hub. This is convenient, for example, for creating a cleaning company passcode. The use of passcodes is informative: users and the monitoring station know exactly who and when changed the security mode.

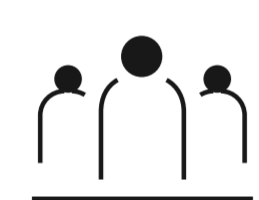
 Personal access codes



Easy group security management

## Remote access control

All KeyPad Plus events are registered in the Ajax app. If the access device is lost, the owner can instantly block it in the app, and the user can use a personal passcode at this time. All permissions and passcodes can be changed remotely and in real-time.



Up to 200 passcodes for users



Up to 200 cards and key fobs

## Autonomy

Even with daily use of the contactless identification function, the keypad will run for up to 3.5 years without replacing batteries. And with the card and key fob reader disabled, the battery life reaches 4.5 years. KeyPad Plus alerts the security company and users to replace the batteries.

### KeyPad

up to **2** years

### KeyPad Plus with reader enabled

up to **3.5** years

### KeyPad Plus with reader disabled

up to **4.5** years


# Comprehensive anti-sabotage protection

KeyPad Plus is protected from passcode guessing. The keypad is blocked after several attempts to guess the passcode or use a third-party card or key fob. Users and the security company are notified of such attempts, as well as in the event of a loss of connection or if the keypad was removed from its mount.

 Protection against passcode guessing

 Protection against invalid access devices

 Tampering alarm

 Duress code



**Jeweller** is a **radio protocol** that provides **fast and reliable two-sided connection** between the hub and devices. The protocol instantly delivers informative alarm notifications. Security companies and users know who and when changed the security mode.

Jeweller features **encryption** and **authentication** to prevent spoofing, and **polling** to monitor devices' status in real time. Supporting **up to 1,700 m** of wireless connectivity, the system is ready to protect facilities and deliver **the best user experience** for both customers and professionals.

## Ajax Pass & Tag


Pass and Tag are equipped with original DESFire® chips, and feature the same functionality but different enclosures. You can choose the form that is convenient for you.

**One Tag or Pass can control 13 security systems.**

Access devices are sold separately in lots of 3/10/100 pieces.



# Technical specifications

<p>Compliance with standards</p>	<p>EN 50131 (Grade 2) PD 6662:2017</p>	<p>Compatibility</p>	<p><b>Hubs</b> Hub Plus Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G)</p> <p><b>Range extenders</b> all Ajax radio signal range extenders</p>
<p>Communication with the hub or range extender</p>	<p> <b>Jeweller communication technology</b></p> <p><b>Frequency bands</b> 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz Depends on the region of sale.</p> <p><b>Maximum effective radiated power (ERP)</b> up to 20 mW</p> <p><b>Communication range</b> up to 1,700 m Without obstacles.</p> <p><b>Polling interval</b> 12–300 s Adjusted by PRO or user with admin rights in the Ajax app.</p>	<p>Features</p>	<p><b>Contactless access</b> up to 200 cards and key fobs</p> <p><b>Access codes</b> up to 200 personal passcodes One passcode per user registered in the system. The number of users depends on the hub model.</p> <p><b>up to 99 passcodes</b> For users who are not registered in the system. The number of passcodes depends on the hub model.</p> <p><b>1 common passcode</b> One passcode per KeyPad Plus Jeweller.</p>

Communication with the hub or range extender

**Protection against spoofing**  
Device authentication

Features

**Duress code**  
up to 200 personal duress codes

One duress code per user registered in the system. The number of users depends on the hub model.

**1 common duress code**

One duress code per KeyPad Plus Jeweller.

**Security mode indication**

Only when KeyPad Plus Jeweller is active.

**Function button**

Panic button

To activate an alarm.

**Mute fire alarms**

To mute the Interconnected Fire Detectors Alarms feature.

**Passcode guessing protection**

KeyPad Plus Jeweller locks for 3-180 minutes if an incorrect passcode is entered more than 3 times in a row within 1 minute. The lock time is adjusted by PRO or user with admin rights in the Ajax app.

<p>Power supply</p> <p><b>Power supply</b> 4 × AA (FR6) batteries Pre-installed</p> <p><b>Battery life</b> up to 3.5 years of battery life With card and key fob reader enabled.</p> <p>up to 4.5 years of battery life With card and key fob reader disabled.</p>	<p>Installation</p> <p><b>Operating temperature range</b> from -10°C to +40°C</p> <p><b>Operating humidity</b> up to 75%</p>
<p>Enclosure</p> <p><b>Colours</b> white, black</p> <p><b>Dimensions</b> 165 × 113 × 20 mm</p> <p><b>Weight</b> 267 g</p> <p><b>Tampering alarm</b></p>	<p>Complete set</p> <p>KeyPad Plus Jeweller 4 × AA/FR6 battery Pre-installed SmartBracket mounting panel Installation kit Quick start guide</p>