SpaceControl User Manual
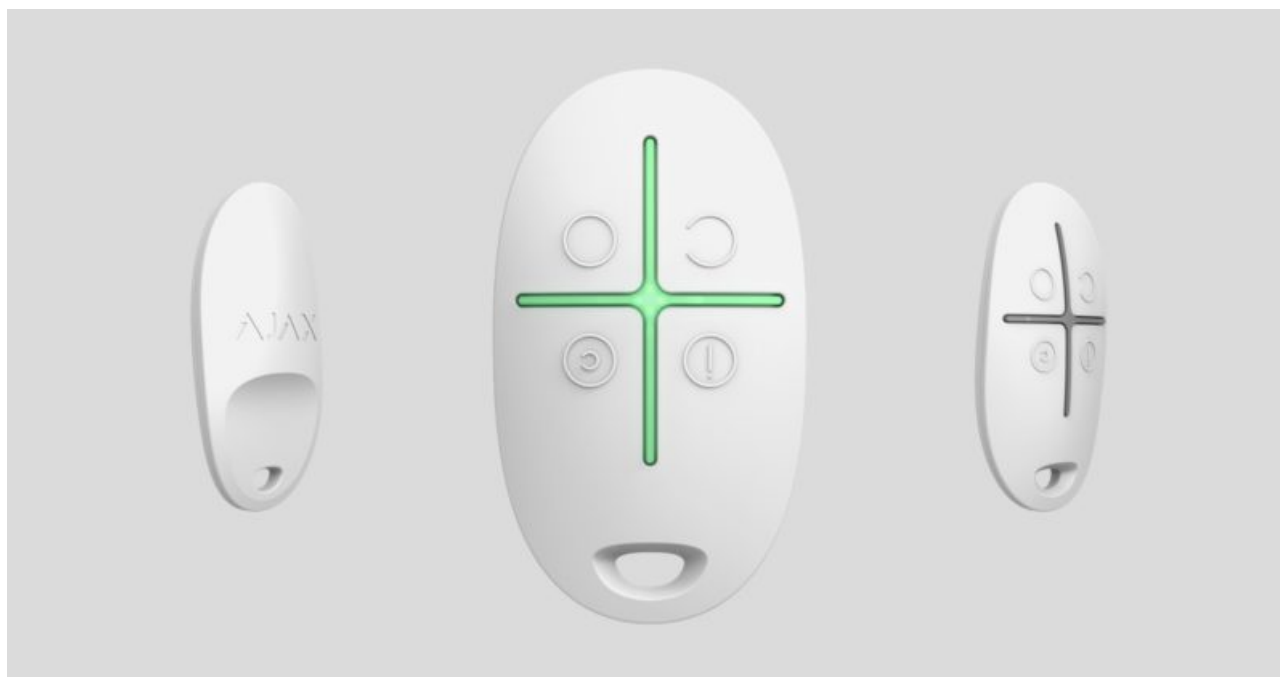
SpaceControl is a miniature key fob controlling the security system at a distance up to 1300 meters absent any obstacles. It allows to set the Ajax security system in the armed, night or disarmed mode, as well as switch on an alarm.

As it is the two-way communication, you will know whether the system has received the SpaceControl command.
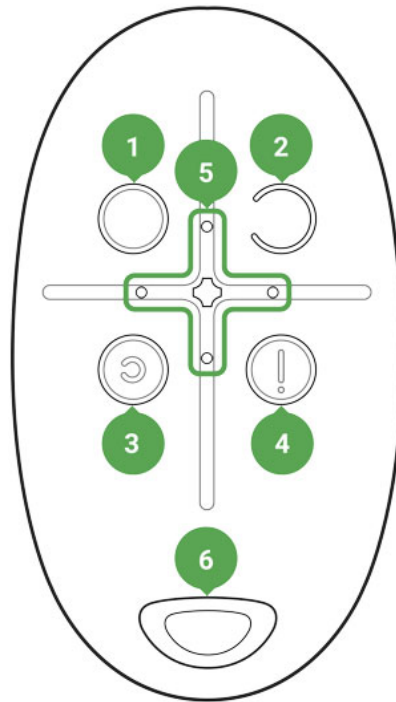
Operating as part of the Ajax security system, the key fob is connected to the **hub** via the protected **Jeweller** protocol. In addition, the key fob can be used to control any third party security central unit through the **uartBridge** or **ocBridge Plus** integration module.

The fob is set up through the iOS and Android-based **mobile application for smartphones** or web application.

The Ajax system is self-sustaining, but the user can connect it to the monitoring station of a security company.

☞ **Buy key fob SpaceControl**

Functional elements

1. System arming button

2. System disarming button

3. Night mode button

4. Panic button (activates the alarm)

5. Light indicators

6. The hole for attaching the key fob

> ℹ Buttons can be assigned when using a key fob with hub and Ajax uartBridge. At the moment, the feature of modification of commands (and deactivation) of the key fob buttons when using with the Ajax hub is not available.

☞ **Buy key fob SpaceControl**

Using the key fob

Maximum connection distance between the key fob and the hub – 1,300 meters. This distance is reduced by walls, inserted floors and any objects hindering the signal transmission.

SpaceControl operates only with one security system (Ajax or third-party system via the integration module). If you connect the key fob to a new security system, it will cease to interact with the previous system. However, the key fob will not be automatically deleted from the list of devices of the hub.

The key fob can:

- **Arm the system** — press the button (O) once

- **Arm the system in the night mode** — press the button (c) once

- **Disarm the system** — press the button (C) once

- **Switch on an alarm** — press the button (!) once

To disconnect the actuated security system (siren), press the disarming mode (C) on the key fob.

Operational Indication

Depending on the firmware version, the SpaceControl key fob LEDs indicate the status with red or green light.

The key fob reports its status only after any button is pressed.

Indication	Event
4 green key fob LEDs blink 6 times	The key fob is not registered with any security system
Two green LEDs next to the pressed button light up once	The key fob command has been sent over to the security system
The LEDs next to the pressed button quickly blink green 4 times when a key fob with **firmware version 3.16 and lower** is used The central LED lights up red briefly when a key fob with **firmware version 3.18 and later** is used	The command has not been delivered as the security system is too far away and cannot receive the command
Two LEDs next to the button light up green twice. Then 4 key fob LEDs blink green 6 times	The key fob has been removed from the security system devices
The central LED lights up green for a few seconds	Linking a key fob to the security system

The central LED lights up green for approximately half a second when a key fob with **firmware version 3.18 and later** is used	The system has executed the key fob command
The central LED lights up red for approximately half a second when a key fob with **firmware version 3.18 and later** is used	The system has not executed the key fob command — integrity verification is enabled in the system and one of the devices is faulty ☞ <u>What is system integrity check?</u>
After the main indication, the central LED lights up green once and gradually goes out when a key fob with **firmware version 3.16 and lower** is used After the main indication, the central LED lights up red once and goes out gradually when a key fob with **firmware version 3.18 and later** is used	The key fob battery needs replacement. In this case, the key fob commands are delivered to the security system. ☞ <u>Battery replacement</u>
Continuous short flashes of green light when a key fob with **firmware version 3.16 and lower** is used Continuous short flashes of red when a key fob with **firmware version from 3.18 to 3.52**is used Key fobs with **firmware version 3.53 and later** do not function when the battery charge level is unacceptably low, do not communicate commands to the hub, and do not notify with LED indication	The battery charge level is unacceptably low. The battery needs replacement. In this operation mode, the key fob commands are not delivered to the security system. ☞ <u>Battery replacement</u>

Connecting the key fob to the Ajax Security System

Connection to hub

Before starting connection:

1. Following the hub instruction recommendations, install the <u>Ajax application</u> on your smartphone. Create an account, add the hub to the application, and create at least one room.

2. Go to the Ajax application.

3. Switch on the hub and check the internet connection (via Ethernet cable and/or GSM network).

4. Ensure that the hub is disarmed and does not start updates by checking its status in the mobile application.

> **i** Only users with administrative privileges can add the device to the hub.

How to connect key fob to hub:

1. Select the **Add Device** option in the Ajax application.

2. Name the device, scan/write manually the **QR Code** (located inside the body, on the battery fixture and packaging), and select the location room.

3. Select **Add** — the countdown will begin.

4. Simultaneously press the button for armed mode (o) and the **panic button** (!) – the key fob will blink with the central LED. For the detection and interfacing to occur, the key fob should be located within the coverage area of the wireless network of the hub (at a single protected object).

Request for connection to the hub is transmitted for a short time at the time of switching on the device.

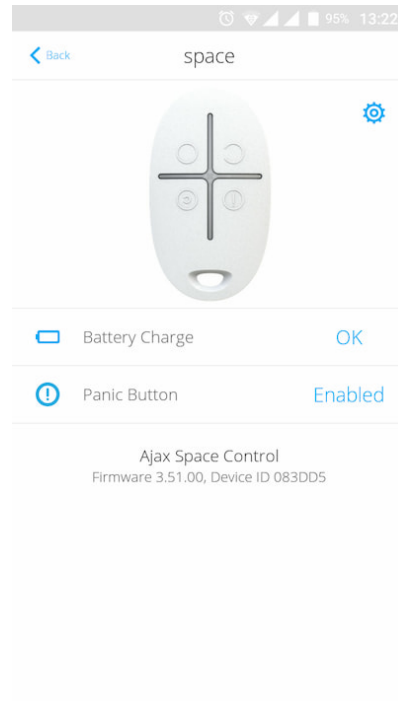The key fob connected to the hub will appear in the list of devices of the hub in the application.

Connecting the key fob to Third Party Security Systems

To connect the key fob to a third party security central unit using the Ajax uartBridge or Ajax ocBridge Plus integration module, follow the recommendations in the manual of the respective device.

States

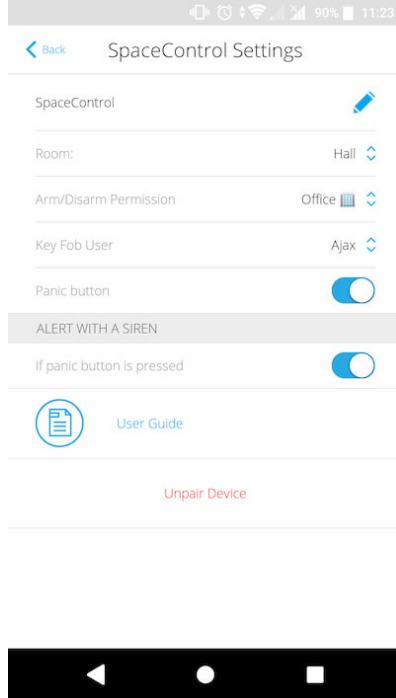1. Devices

2. SpaceControl

Parameter	Value
Battery Charge	Battery level of the key fob
Panic Button	Panic button status
Firmware	Firmware version of the key fob
Device ID	Device identifier

Setting Up the key fob

1. Devices

2. SpaceControl

3. Settings ⚙

Setting	Value
First field	Device name, can be edited
Room	Selecting the virtual room to which the device is assigned
Arming/disarming permission	Selection of a security group that the key fob manages. You can select **All groups** or a single group. 👆*Configuration is available only after group mode activation*
Key fob user	Selection key fob user. **Key fob is unassigned:** • Key fob events are sent to Ajax apps under the key fob name. • Security mode management rights are determined by key fob settings. **Key fob is assigned to user:** • Key fob events are sent to Ajax apps under the user's name. • The key fob has the same security mode management rights as the user.
Panic Button	Turning on/off the panic button

Alert with a siren if panic button is pressed	If active, **HomeSiren** and **StreetSiren** are activated after panic button pressing
User Manual	Opens the device User Manual
Unpair Device	Disconnects the device from the hub and deletes its settings

Key fob Maintenance and Battery Replacement

When cleaning the key fob body use any means suitable for equipment maintenance.

Do not use for cleaning SpaceControl any substances containing alcohol, acetone, gasoline and other active solvents.

The pre-installed battery provides up to 5 years of operation of the key fob during normal use (one arming and disarming of the security system per day). More frequent use can reduce battery life. You can check battery level at any time in the Ajax app.

The pre-installed battery is sensitive to low temperatures and if the key fob is significantly cooled, the battery level indicator in the app may show incorrect values until the key fob gets warm.

> ⓘ The value of the battery level is not updated regularly, but only after pressing one of the buttons at the key fob.

When the battery is discharged, the user will receive a notification in the Ajax app, and the key fob LED will slowly light up and go out red each time the button is pressed (key fobs with **firmware version 3.16 and lower** light up green).

☞ [Battery replacement](#)

Tech Specs

Number of buttons	4

Panic button	Yes
Frequency band	868.0 – 868.6 MHz or 868.7 – 869.2 MHz depending on the region of sale
Compatibility	Operates with **Hub**, **Hub Plus**, **Hub 2**, **ReX**, **ocBridge Plus**, **uartBridge**
Effective radiated power	6.01 dBm / 3.99 mW (limit 20 mW)
Modulation of the radiosignal	GFSK
Radio signal range	Up to 1,300 m(any obstacles absent)
Power supply	1 battery CR2032A, 3 V
Service life from the battery	Up to 5 years (depending on the usage frequency)
Operating temperature range	From -25°C to +50°C
Operating humidity	Up to 95%
Overall dimensions	65 x 37 x 10 mm
Weight	13 g
Certification	Security Grade 2, Environmental Class III in conformity with the requirements of EN 50131-1, EN 50131-3, EN 50131-5-3

Complete Set

1. SpaceControl

2. Battery CR2032 (pre-installed)

3. Quick Start Guide

Warranty

Warranty for the "AJAX SYSTEMS MANUFACTURING" LIMITED LIABILITY COMPANY products is valid for 2 years after the purchase and does not apply to the pre-installed battery.

If the device does not work correctly, you should first contact the support service —i n half of the cases, technical issues can be solved remotely!

☞ **The full text of the warranty**

☞ **User Agreement**

Technical support: **support@ajax.systems**

Need help?

In this section you'll find detailed manuals and educational videos about all features of Ajax. And in case you need help of a technical specialist, we're available 24/7.

Send request