Ajax SpaceControl user manual

Updated September 5, 2024



Ajax SpaceControl is a miniature key fob with accidental click protection. It allows setting the Ajax system in the armed, night or disarmed mode and switching on an alarm.

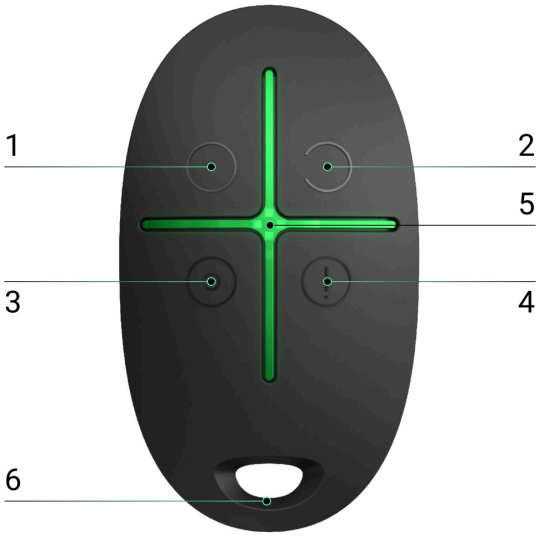
As it is the two-way communication, you will know whether the system has received the Ajax SpaceControl command.

Operating as part of the Ajax 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 key fob is set up through the iOS and Android-based **mobile app for smartphones**.

Buy key fob Ajax 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

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.

Using the key fob



Ajax SpaceControl operates only with one security system (Ajax or third-party 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 once
- **Turn on the night mode** — press the button once
- **Disarm the system** — press the button once
- **Switch on an alarm** — press the button once

To turn off the actuated security system (siren), press the disarming mode button on the keyf ob.

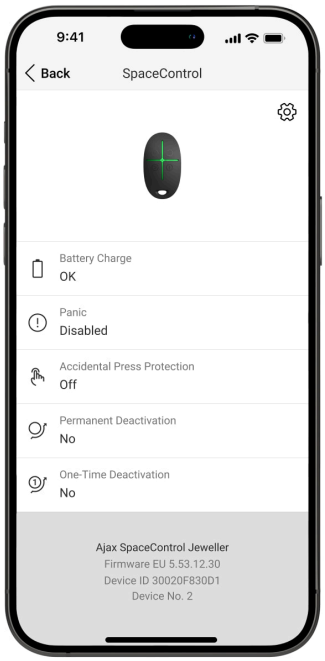
Accidental click protection is available on the Ajax SpaceControl with **firmware version 5.54.1.0 and higher**.

Operational Indication

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

Type and color of indication of the key fob display depends on the firmware version of the device. You can find out the firmware version in the **Ajax application**

→ **Devices** → **key fob**. Information about the firmware version is displayed at the very bottom.



Indication	Event
4 green key fob LEDs flashes 6 times	The key fob is not registered with any security system
2 green LED next to the pressed button lights up once	The key fob command has been sent over to the security system
Firmware version 3.16 and lower The LED next to the pressed button quickly flashes green 4 times **Firmware version 3.18 and higher** The central LED lights up red briefly	The command has not been delivered as the security system is too far away and cannot receive the command
2 LED next to the button lights up green twice. Then 4 key fob LED flashes 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
Firmware version 3.18 and higher	The system has executed the key fob command

The central LED lights up green for approximately half a second	
Firmware version 3.18 and higher The central LED lights up red for approximately half a second	The system has not executed the key fob command — integrity verification is enabled in the system and one of the devices is faulty **What is system integrity check?**
Firmware version 3.16 and lower After the main indication, the central LED lights up green once and gradually goes out **Firmware version 3.18 and higher** After the main indication, the central LED lights up red once and goes out gradually	The key fob battery needs replacement. In this case, the key fob commands are delivered to the security system. **Battery replacement**
Firmware version 3.16 and lower Continuous short LED flashes of green light **Firmware version from 3.18 to 3.52** Continuous short LED flashes of red light Key fobs with **firmware version 3.53 and latest** 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 requires replacement. In this operation mode, the key fob commands are not delivered to the security system. **Battery replacement**

Connecting the key fob to the Ajax System

Connection to hub

Before starting connection:

1. Following the hub instruction recommendations, install the **Ajax application** 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.

> Only users with admin rights 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 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).

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. Ajax SpaceControl

Parameter	Value
Battery Charge	Battery level of the device. Two states available: • OK • Battery discharged **How battery charge is displayed in Ajax apps**
Accidental Press Protection	Indicates the method of protection against accidental clicks: • Off • Long press • Double click The function is available on key fobs with **firmware version 5.54.1.0 and higher**
The status of the connection with the ReX range extender	Displayed if the key fob is working through a **radio signal range extender**
Panic	Panic button status
Permanent Deactivation	Displays the device's status: active or completely disabled by the user
Firmware	Firmware version of the key fob. It is not possible to change the firmware
Device ID	Device identifier

Setting Up the key fob

1. Devices
2. Ajax SpaceControl
3. Settings

Setting	Value
Name	Device name, can be edited
Room	Selecting the virtual room to which the device is assigned
Group Management	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
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	Turning on/off the panic button
Accidental Press Protection	Choosing the method of protection against accidental clicks: • **Off** — protection is turned off • **Long press** — in order for the key fob to transmit the command to the hub, you need to press and hold the button for more than 1.5 seconds • **Double press** — in order for the key fob to transmit the command to the hub, you need to double-press the button with a pause of no more than 0.5 seconds between the presses The function is available on key fobs with **firmware version 5.54.1.0 and higher**
Alert with a siren if panic button is pressed	If the toggle is enabled, pressing a panic button activates Ajax sirens connected to the system. Ajax SpaceControl activates all sirens, regardless of the groups they are in.
User Guide	Opens the device User manual
Permanent Deactivation	Allows a user to deactivate the device without deleting it from the system. Once deactivated, the device will no longer execute system commands and participate in automation scenarios. Additionally, the panic button of a deactivated device will be disabled. Learn more
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 Ajax 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.



Keep new and used batteries away from children. Do not ingest battery, Chemical Burn Hazard.

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).

How long Ajax devices operate on batteries, and what affects this

Battery replacement

Technical specifications

All technical specifications of Ajax SpaceControl

Compliance with standards

UL compliant installation

Complete Set

1. Ajax SpaceControl
2. Battery CR2032 (pre-installed)
3. Quick start guide

Warranty

Warranty for the Limited Liability Company “Ajax Systems Manufacturing” 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 — in half of the cases, technical issues can be solved remotely!

The full text of the warranty

User Agreement

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

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