

# Bedienungsanleitung für Button S Jeweler

Aktualisiert 4. Juli 2023



**Button S Jeweler** ist ein kabelloser Panikknopf mit Schutz gegen versehentliches Drücken und zusätzlichen Modi: zur Steuerung von Automatisierungsgeräten und zum Stummschalten von Feuermeldern.

**Button S** arbeitet in einem Ajax-System und ist über das geschützte Jeweler-Protokoll mit dem Hub verbunden. Die Kommunikationsreichweite ohne Hindernisse beträgt bis zu 1.300 Meter.



Diese Produktlinie wird für Projekte entwickelt. Nur akkreditierte Ajax Systems-Partner können Superior-Produkte installieren und verwalten.

Die Produktlinien Superior, Fibra und Baseline sind untereinander kompatibel. Dies eröffnet zahlreiche Möglichkeiten für den Aufbau beliebig konfigurierter Systeme.

## Funktionselemente



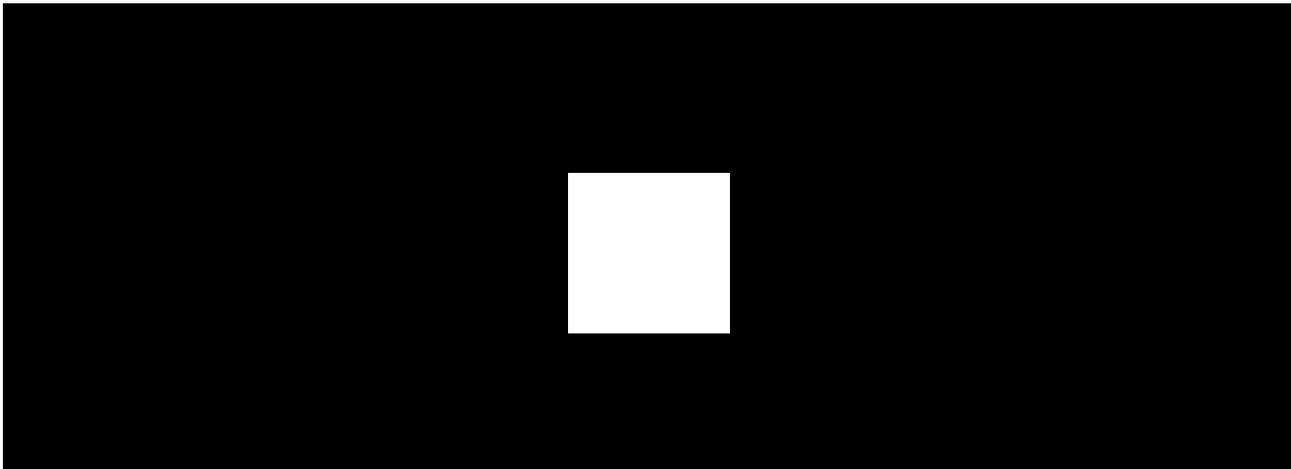
1. Alarmknopf.
2. Signallampen.
3. Knopfbefestigungsloch.

## Kompatible Hubs und Range Extender

Für den Betrieb des Detektors ist ein Ajax-Hub mit der Firmware OS Malevich 2.16 und höher erforderlich.

Hubs	Funksignal-Reichweitenverlängerer
<ul style="list-style-type: none"> <li>• <u>Hub Plus</u></li> <li>• <u>Hub 2 (2G)</u></li> <li>• <u>Hub 2 (4G)</u></li> <li>• <u>Hub 2 Plus</u></li> <li>• <u>Hub-Hybrid (2G)</u></li> <li>• <u>Hub-Hybrid (4G)</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>ReX</u></li> <li>• <u>ReX 2</u></li> </ul>

# Operating principle



00:00

00:12

**Button S Jeweller** is a wireless panic button that operates in one of three modes: **Panic**, **Control**, **Mute Fire Alarm**. When the button is pressed, it transmits an alarm to users, as well as to the security company's CMS. In **Control** mode, Button S allows you to control Ajax automation devices with a short or long press of a button.

In **Panic** mode, Button S can operate as a panic button and signal about a threat, or notify of the need for auxiliary help, or inform about the intrusion, fire, gas alarm, or leakage. You can select the type of alarm in the button settings. The text of alarm notifications depends on the selected type, as well as the event codes transmitted to the central monitoring station of the security company (CMS).



When connecting Button S via radio signal range extender, Button S does not automatically switch between the radio networks of the radio signal extender and the hub. You can manually assign Button S to another hub or range extender in the app.

Button S has the **Battery charge auto-check** option. When enabled, the system once a day checks the battery state of the button. If the auto-check is disabled, the battery state updates only when the device is pressed.



The feature is available when the button is connected to all hubs (except for the Hub model) with firmware version OS Malevich 2.17 or higher.

## Use cases

### Panic mode

In the **Panic** button mode, Button S can call security or help, as well as alert of an emergency by activating sirens and sending other users a notification in the app. In the Button S settings, you can select one type of alarm out of eight:

- Intrusion.
- Fire.
- Auxiliary alarm.
- Panic button.
- Gas alarm.
- Malfunction.
- Leakage.
- Custom (not sent to the security company monitoring station).

The type of alarm determines the event code sent to the security company monitoring station (CMS) and the notification text received by the user. This ensures an accurate response to the threat.

Note that in **Panic** mode, pressing the Button S will raise an alarm regardless of the system security mode.



If Button S is pressed, an alarm can also run a [scenario in the Ajax system](#).

The button can be installed on a flat surface or carried around. To install on a flat surface (for example, under the table), secure Button S with double-sided adhesive tape. To carry the Button S on the strap: attach the strap to the Button S using the mounting hole in the main body of the Button S.

## Control mode

Button S can be used to control the automation devices. In **Control** mode, the Button S has two pressing options: short and long (the button is pressed for more than 3 seconds). These pressings can trigger the execution of an action by one or more automation devices: Relay, WallSwitch, Waterstop, LightSwitch, or Socket.

### To bind an automation device action to a long or short press of Button S:

1. Open the Ajax app and go to the **Devices**  tab.
2. Select **Button S** in the list of devices and go to settings by clicking the gear icon .
3. Select the **Control** mode in the **Operating mode** section. Click on the actual Button S device to save the changes.
4. Go to the **Scenarios** menu. Click **Create Scenario** if you are creating a scenario for the first time, or **Add Scenario** if scenarios have already been created in the system.
5. Select a pressing option to run the scenario: **Short press** or **Long press**.
6. Select the automation device to execute the action.
7. Enter the **Scenario Name** and specify the **Device Action** to be executed by pressing Button S:
  - Switch on.
  - Switch off.
  - Switch the state.



The **Device Action** setting is unavailable when configuring a scenario for the automation devices operating in pulse mode. During the scenario execution, such

devices will close/open the contacts for a set time. The operating mode and pulse duration are set in the automation device settings.

8. Click **Save**. The scenario will appear in the list of device scenarios.

## Mute Fire Alarm mode

By pressing Button S, the interconnected fire detectors alarm can be muted (if the corresponding operating mode of the button is selected). The reaction of the system to pressing a button depends on the state of the system:

- **The Interconnected Fire Detectors Alarm has already propagated** – by the first press of Button S, all fire detectors sirens are muted, except for those that registered the alarm. Pressing the button again mutes the remaining detectors.
- **The interconnected alarms delay time lasts** – the siren of the triggered Ajax fire detector is muted by pressing.

[Learn more about Interconnected Fire Detectors Alarm](#)

## Adding to the system



Button S is incompatible with Hub, third-party security central panels, and ocBridge Plus and uartBridge integration modules.

To connect Button S to the hub, the button must be located at the same secured facility as the system (within the range of the hub radio network). For the button to work via the [ReX](#) or [ReX 2 radio signal range extender](#), you must first add the button to the hub, then connect it to ReX or ReX 2 in the settings of the range extender.



The hub and the device operating at different radio frequencies are incompatible. The radio-frequency range of the device may vary by region. We recommend purchasing and using Ajax devices in the same region. You can check the range of operating radio frequencies with the [technical support service](#).

## Before adding a device

1. Install an [Ajax PRO app](#).
2. Create [an account](#) if you don't have one. Add a compatible hub to the app, make the necessary settings, and create at least one [virtual room](#).
3. Ensure the hub is switched on and has internet access via Ethernet, Wi-Fi and/or mobile network.
4. Ensure the hub is disarmed and does not start updates by checking its status in the Ajax app.



This product line is developed for projects. Only accredited Ajax Systems partners can install, and administer Superior products.

## Connecting to the hub

1. Open the [Ajax PRO app](#). Select the hub where you want to add the button.
2. Go to the **Devices**  tab and click **Add Device**.
3. Name the button, scan, or type in the QR code (placed on the button and the package box), and select a room and a group (if [Group mode](#) is enabled).
4. Press **Add**.
5. Hold the button for 7 seconds. When Button S is added, the LEDs will flash green once.

Note that if the maximum number of devices has already been added to the hub ([depending on the hub model](#)), you will be notified when you try to add a new one.

The button connected to the hub will appear in the list of hub devices in the Ajax app.

Button S works with one hub. When connected to a new hub, the button stops sending events to the old one. When added to a new hub, the button is not

removed from the device list of the old hub. This must be done through the Ajax app.

## Malfunctions

When a malfunction is detected, the Ajax app displays a malfunction counter on the device icon. All malfunctions are shown in the button states. Fields with malfunctions will be highlighted in red.

### A malfunction is displayed if:

- No connection with the hub or radio signal range extender via Jeweller.
- The button battery is low.

## Icons

The icons display some **Button S** states. To access them:

1. Sign in to the [Ajax app](#).
2. Select the hub.
3. Go to the **Devices**  tab.

Icon	Meaning
	Jeweller signal strength. Displays the signal strength between the hub and the button. The recommended value is 2–3 bars.  <a href="#">Learn more</a>
	The button battery charge level is OK.  <a href="#">Learn more</a>
	The button has a malfunction. The list of malfunctions is available in the button states.  <a href="#">Learn more</a>

	The button operates via a <u>radio signal range extender</u> .
	Button S is permanently deactivated.  <a href="#"><u>Learn more</u></a>
	Button S is deactivated for a time the armed mode is active.  <a href="#"><u>Learn more</u></a>

## States

The states include information about the device and its operating parameters. The states of Button S can be found in Ajax apps:

1. Sign in to the [Ajax app](#).
2. Select the hub.
3. Go to the **Devices**  tab.
4. Select **Button S** from the list.

Parameter	Value
Malfunction	Clicking on  opens the Button S malfunctions list.  The field is displayed if a malfunction is detected.
ReX	Displays the status of using a <u>radio signal range extender</u> .
Battery Charge	Battery level of the device. Two states available: <ul style="list-style-type: none"> <li>• <b>OK.</b></li> <li>• <b>Low.</b></li> </ul>

You can check the battery charge by clicking on the  icon (displayed when the **Battery Charge Auto-Check** option is enabled).



The feature is available when the button is connected to all hubs (except for the Hub model) with firmware version OS Malevich 2.17 or higher.

### [How battery charge is displayed in Ajax apps](#)

### [How to replace a battery of the button](#)

Operating mode	<p>Displays the operating mode of the button. Three modes are available:</p> <ul style="list-style-type: none"><li>• <b>Panic.</b></li><li>• <b>Control.</b></li><li>• <b>Mute Fire Alarm.</b></li></ul>
LED Brightness	<p>Displays current brightness level of indicator light:</p> <ul style="list-style-type: none"><li>• <b>Off</b> (LED indication is disabled).</li><li>• <b>Low.</b></li><li>• <b>Max.</b></li></ul>
Accidental Press Protection  (displayed only for <b>Panic</b> and <b>Mute Fire Alarm</b> operating modes)	<p>Displays the selected type of protection against accidental activation:</p> <ul style="list-style-type: none"><li>• <b>Off</b> – protection disabled.</li><li>• <b>Long press</b> – to send an alarm you should hold the button down for more than 1.5 seconds.</li><li>• <b>Double press</b> – to send an alarm you should double-press on the button with a pause of</li></ul>

	no more than 0.5 seconds.
Permanent Deactivation	Displays the device's status: active or completely disabled by the user.
One-Time Deactivation	Shows the status of the device one-time deactivation setting: <ul style="list-style-type: none"> <li>• <b>No</b> – the device operates in the normal mode.</li> <li>• <b>Entirely</b> – the button is entirely excluded from the operation of the system for a time the armed mode is active. The device does not report alarms or other events.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
Firmware	Button S firmware version.
Device ID	Device identifier. Also available on the device's board and its package.
Device No.	Number of the device loop (zone).

## Settings

To change Button S settings in the PRO Ajax apps:

1. Go to the **Devices**  tab.
2. Select **Button S** from the list.
3. Go to **Settings** by clicking on the gear icon .
4. Set the required parameters.
5. Click **Back** to save the new settings.

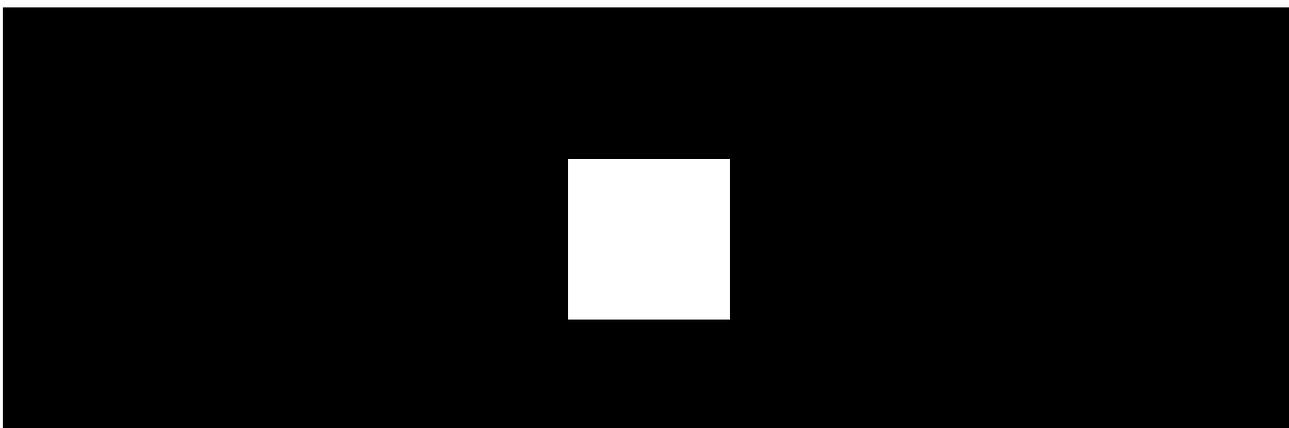
Parameter	Value
Name	Name of the device, can be changed.

Room	The choice of the virtual room that the device is assigned to.
Battery Charge Auto-Check	<p>If the toggle is enabled, the system once a day checks the device's battery state. If the auto-check is disabled, the battery state updates only when the device is pressed.</p> <div data-bbox="818 398 1420 667" style="border: 1px solid black; border-radius: 10px; padding: 10px;"> <p> The feature is available when the button is connected to all hubs (except for the Hub model) with firmware version OS Malevich 2.17 or higher.</p> </div>
Operating mode	<p>Selection of the operating mode of the button. Three modes are available:</p> <ul style="list-style-type: none"> <li>• <b>Panic</b> – sends an alarm when pressed.</li> <li>• <b>Control</b> – controls automation devices by short or long (3 sec) pressing.</li> <li>• <b>Mute Fire Alarm</b> – when pressed, mutes the alarm of Ajax fire detectors. The option is available if <u>Interconnected Fire Alarm</u> feature is enabled.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
Type of Event  (displayed only for <b>Panic</b> operating mode)	<p>Selection of the Button S alarm type:</p> <ul style="list-style-type: none"> <li>• <b>Intrusion.</b></li> <li>• <b>Fire.</b></li> <li>• <b>Auxiliary alarm.</b></li> <li>• <b>Panic button.</b></li> <li>• <b>Gas alarm.</b></li> <li>• <b>Malfunction.</b></li> <li>• <b>Leakage.</b></li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Custom.</b></li> </ul> <p>The text of SMS and notifications in the app depends on the selected type of alarm.</p>
LED Brightness	<p>Selection of the current brightness of the indicator lights:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> (LED indication is disabled).</li> <li>• <b>Low.</b></li> <li>• <b>Max.</b></li> </ul>
<p>Accidental Press Protection</p> <p>(displayed only for <b>Panic</b> and <b>Mute Fire Alarm</b> operating modes)</p>	<p>Selection of the type of protection against accidental activation:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> – protection disabled.</li> <li>• <b>Long press</b> – to send an alarm, you need to press and hold the button for more than 1.5 seconds.</li> <li>• <b>Double press</b> – to send an alarm, you need to double-press the button with a pause of no more than 0.5 seconds between the presses.</li> </ul>
Alert with a siren if button is pressed	<p>If the toggle is enabled, pressing a panic button activates <b>Ajax sirens</b> connected to the system. Button S activates all sirens, regardless of the groups they are in.</p>
Scenarios	<p>Opens the menu for creating and configuring scenarios.</p>
Battery State Check	<p>Opens the menu for the battery charge checking.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-top: 10px;"> <p> The feature is available when the button is connected to all hubs (except for the Hub model) with firmware version OS Malevich 2.17 or higher.</p> </div>

User Guide	Opens Button S user manual.
Permanent Deactivation	<p>Allows a user to deactivate the device without deleting it from the system.</p> <p>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.</p> <p><a href="#"><u>Learn more</u></a></p>
One-Time Deactivation	<p>Allows the user to disable events of the device until the first disarm.</p> <p>Two options are available:</p> <ul style="list-style-type: none"> <li>• <b>No</b> – the device operates in normal mode and transmits all events.</li> <li>• <b>Entirely</b> – the device is entirely excluded from the operation of the system for a time the armed mode is active. The device does not execute system commands and does not report alarms or other events.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
Unpair Device	Disconnects Button S from the hub and deletes its settings.

## Indication



The button status is indicated with red or green LED indicators.

Category	Indication	Event
Linking to system	Green LEDs flash 6 times	The button is not registered in any system
	Lights up green for a few seconds	Adding a button to the system
Command delivery indication	Lights up green briefly	Command is delivered to system
	Lights up red briefly	Command is not delivered to system
Long press indication in <b>Control</b> mode	Flashes green briefly	Button recognized the pressing as a long press and sent the corresponding command to the hub
Feedback indication (follows the <b>Command Delivery Indication</b> )	Lights up green for about half a second after the command delivery indication	The system has received and performed the command
	Briefly lights up red after the command delivery indication	The system did not perform the command
Battery status (follows <b>Feedback Indication</b> )	After the main indication it lights up red and goes out smoothly	Button battery needs to be replaced. At the same time, button commands are delivered to the system.  <u><b>Battery Replacement</b></u>

## Button placement

Button S can be fixed on a surface or carried around.

## How to fix Button S

To fix Button S on a surface (e.g. under a table), use Holder.



### To install the button in the holder:

1. Choose a location to install the holder.
2. Press the button to test whether the commands can reach the hub. If not, select another location or use a radio signal range extender.



When connecting Button S via radio signal range extender, note that Button S does not automatically switch between the radio networks of the radio signal extender and the hub. You can assign Button S to another hub or range extender manually in the app.

3. Fix Holder on the surface using the bundled screws or double-sided adhesive tape.
4. Put Button S into the holder.



Please note that Holder is sold separately.

## How to carry around Button S

The button is convenient to carry with you thanks to a special hole on its body. It can be worn on the wrist or around the neck, or hung on a key ring.

Button S has an IP55 protection rating. This means that the device body is protected from dust and splashes. Tight buttons are recessed into the body and software protection helps to avoid accidental pressing.

## Maintenance

Clean the button body from dust, cobwebs and other contaminants as they appear. Use a soft, dry cloth for cleaning appliances.

Do not use substances containing alcohol, acetone, petrol and other active solvents to clean Button S.

The pre-installed battery provides up to 5 years of Button S operation in normal use (one press per day). More frequent use may reduce battery life. You can check battery level in Button S states in the Ajax app.

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

The battery level value updates automatically once a day if the battery charge auto-check option is enabled. If the auto-check is disabled, the battery state updates only when the button is pressed. When the battery has run down, the user will receive a notification in the Ajax app, and the LED indicator will smoothly light up red and go out each time the button is pressed.

### [How to replace the button battery](#)

## Technical specifications

### [All technical specifications of Button S](#)

### [Compliance with standards](#)

## Warranty

Warranty for the Limited Liability Company "Ajax Systems Manufacturing" products is valid for 2 years after the purchase.

If the device does not function correctly, please contact the Ajax Technical Support first. In most cases, technical difficulties can be resolved remotely.

[Warranty obligations](#)

[User agreement](#)

**Contact Technical Support:**

- [e-mail](#)
- [Telegram](#)

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