

# Superior Button Jeweller user manual

Previously: Button S Jeweller

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**Superior Button Jeweller** is a wireless panic button with accidental press protection. The device has additional modes: it can control automation devices and mute fire alarms.

**Superior Button Jeweller** operates within an Ajax system, connected to the hub via the protected Jeweller protocol. The communication range in an open space is up to 1,300 meters.



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

**Superior**, **Fibra**, and **Baseline** product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

## Functional elements



1. Alarm button.
2. Indicator lights.
3. Button mounting hole.

## Compatible hubs and range extenders

An Ajax hub with the firmware OS Malevich 2.16 and higher is required for the device to operate.

[Check devices compatibility](#)

To add the hub to the system, create a virtual space in the Ajax app of the corresponding version.

### How to create a new space in the Ajax app

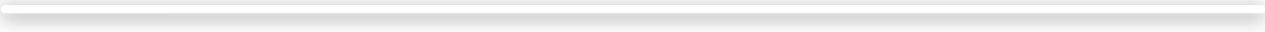


The space functionality is available for apps of such versions and higher:

- Ajax Security System 3.0 for iOS;
- Ajax Security System 3.0 for Android;
- Ajax PRO: Tool for Engineers 2.0 for iOS;
- Ajax PRO: Tool for Engineers 2.0 for Android;
- Ajax PRO Desktop 4.0 for macOS;
- Ajax PRO Desktop 4.0 for Windows.

## Operating principle

0:00 / 0:12



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

In **Panic** mode, Superior Button Jeweller can operate as a panic button and signal about a threat, notify of the need for auxiliary help, or inform about the intrusion, fire, gas alarm, or water leak. You can select the type of alarm in the button settings. The text of alarm notifications depends on the selected type and the event codes transmitted to the CMS.



When connecting Superior Button Jeweller via the [radio signal range extender](#), Superior Button Jeweller does not automatically switch between the radio networks of the radio signal extender and the hub. You can manually assign Superior Button Jeweller to another hub or range extender in the app.

Superior Button Jeweller 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 the hub with firmware version OS Malevich 2.17 or higher.

## Use cases

### Panic mode

In the **Panic** button mode, Superior Button Jeweller informs the security, calls for help, or alerts of an emergency by activating sirens and sending other users a notification in the app. In the Superior Button Jeweller 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 CMS and the notification text received by the user. This ensures an accurate response to the threat.

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



If Superior Button Jeweller is pressed, an alarm can also run [an automation scenario](#).

The button can be installed on a flat surface or carried around. To install on a flat surface (for example, under the table), secure Superior Button Jeweller with double-

sided adhesive tape. To carry Superior Button Jeweller on the strap: attach the strap to Superior Button Jeweller using the mounting hole in the Superior Button Jeweller enclosure.

## Control mode

Superior Button Jeweller can be used to control automation devices. In **Control** mode, the Superior Button Jeweller has two pressing options: short and long (when the button is pressed for over 3 seconds). These pressings can activate one or more automation devices: Relay, WallSwitch, WaterStop, LightSwitch, or Socket.

**To bind an automation device action to a long or short press of Superior Button Jeweller:**

1. Open the Ajax app and go to the **Devices**  tab.
2. Select **Superior Button Jeweller** 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 Superior Button Jeweller 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 Superior Button Jeweller:

- 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 Superior Button Jeweller, **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:

- **Interconnected Fire Detectors Alarm has already propagated** – by the first press of Superior Button Jeweller, 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 continues** – the siren of the triggered Ajax fire detector is muted by pressing.

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

## Adding to the system



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

To connect Superior Button Jeweller 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. Log in to a [PRO account](#) or create a new one.
3. Select a space or create a new one.

### What is a space

### How to create a space



The **space** functionality is available for apps of such versions or later:

- Ajax Security System 3.0 for iOS;
- Ajax Security System 3.0 for Android;
- Ajax PRO: Tool for Engineers 2.0 for iOS;

- Ajax PRO: Tool for Engineers 2.0 for Android;
- Ajax PRO Desktop 4.0 for macOS;
- Ajax PRO Desktop 4.0 for Windows.

**4.** Add at least one virtual room.

**5.** Add a compatible hub to the space. Ensure the hub is switched on and has internet access via Ethernet, Wi-Fi, and/or mobile network.

**6.** Ensure the space is disarmed, and the hub is not starting an update by checking statuses in the Ajax app.



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## Connecting to the hub

**1.** Open the Ajax PRO app. Select the space 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 Superior Button Jeweller 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.

Superior Button Jeweller 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 **Superior Button Jeweller** states. To access them:

1. Sign in to the [Ajax app](#).
2. Select the space.
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="#"><u>Learn more</u></a>
	The button operates via a <a href="#"><u>radio signal range extender</u></a> .
	Superior Button Jeweller is permanently deactivated. <a href="#"><u>Learn more</u></a>
	The device has lost connection with the hub or the hub has lost connection with the Ajax Cloud server.
	The device has not been transferred to the new hub. <a href="#"><u>Learn more</u></a>

## States

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

1. Sign in to the [Ajax app](#).
2. Select the space.

3. Go to the **Devices**  tab.

4. Select **Superior Button Jeweller** from the list.

Parameter	Value
Data import	<p>Displays the error when transferring data to the new hub:</p> <ul style="list-style-type: none"><li>• <b>Failed</b> – the device has not been transferred to the new hub.</li></ul> <p><a href="#"><b>Learn more</b></a></p>
Malfunction	<p>Clicking on  opens the Superior Button Jeweller malfunctions list.</p> <p>The field is displayed if a malfunction is detected.</p>
ReX	<p>Displays the status of using a <a href="#"><b>radio signal range extender</b></a>.</p>
Battery charge	<p>Battery level of the device. Two states available:</p> <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 the hub with firmware version OS Malevich 2.17 or higher.

## How battery charge is displayed in Ajax apps

## How to replace the battery of the button

Operating mode

Displays the operating mode of the button. Three modes are available:

- **Panic.**
- **Control.**
- **Mute Fire Alarm.**

LED brightness

Displays current brightness level of indicator light:

- **Off** (LED indication is disabled).

	<ul style="list-style-type: none"> <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 no more than 0.5 seconds.</li> </ul>
Permanent deactivation	Displays the device's status: active or completely disabled by the user.
Firmware	Superior Button Jeweller firmware version.
Device ID	Device identifier. Also available on the device's board and its package.
Device No.	The number of the device loop (zone).

# Settings

To change Superior Button Jeweller settings in the PRO Ajax apps:

1. Go to the **Devices**  tab.
2. Select **Superior Button Jeweller** 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	If the toggle is enabled, the system checks the battery state of the device once a day. 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 the hub with

	<p>firmware version OS Malevich 2.17 or higher.</p>
Notify if the device was unreachable for 3 days	<p>When the toggle is enabled, the user receives a corresponding notification if the button has not communicated with the hub for three days. The setting is available when the <b>Battery charge auto-check</b> toggle is enabled.</p>
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 the <u><a href="#">Interconnected Fire Detectors Alarm</a></u> feature is enabled.</li> </ul> <p><a href="#"><b>Learn more</b></a></p>
Type of event (displayed only for <b>Panic</b> operating mode)	<p>Selection of the Superior Button Jeweller alarm type:</p> <ul style="list-style-type: none"> <li>• <b>Intrusion</b>.</li> <li>• <b>Fire</b>.</li> </ul>

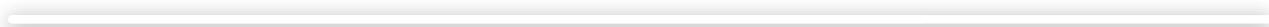
	<ul style="list-style-type: none"> <li>• <b>Auxiliary alarm.</b></li> <li>• <b>Panic button.</b></li> <li>• <b>Gas alarm.</b></li> <li>• <b>Malfunction.</b></li> <li>• <b>Leakage.</b></li> <li>• <b>Custom.</b></li> </ul> <p>The text of SMS and notifications in the app depends on the selected type of 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>
Accidental press protection (displayed only for <b>Panic</b> and <b>Mute Fire Alarm</b> operating modes)	<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</li> </ul>

	<p>seconds.</p> <ul style="list-style-type: none"> <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. Superior Button Jeweller activates all sirens, regardless of the groups they are in.</p>
Scenarios	<p>Opens the menu to create and configure the automation scenarios.</p>
Battery state check	<p>Opens the menu for the battery charge checking.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <span style="color: #009640; border: 1px solid #009640; border-radius: 50%; padding: 5px 10px; font-size: 1.5em; margin-right: 10px;">i</span> <p>The feature is available when the button is connected to the hub with firmware version OS Malevich 2.17 or higher.</p> </div>
User guide	<p>Opens Superior Button Jeweller user manual.</p>
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>

	<a href="#"><u>Learn more</u></a>
Delete device	Disconnects Superior Button Jeweller from the hub and deletes its settings.

## Indication

0:00 / 0:03



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

Category	Indication	Event
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Adding to the system.	Green LED flashes 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.	The command is delivered to the system.
	Lights up red briefly.	The command is not delivered to the system.
Long press indication in <b>Control</b> mode.	Flashes green briefly.	The 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.	<p>The button battery needs to be replaced. At the same time, button commands are delivered to the system.</p> <p><b><u>Battery replacement</u></b></p>

# Button placement

Superior Button Jeweller can be secured on a surface or carried around.

## How to mount Superior Button Jeweller

To mount Superior Button Jeweller on a surface (e.g. under a table), use [Holder](#).



1. Choose a location to install 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 Superior Button Jeweller via the radio signal range extender, note that Superior Button Jeweller does not automatically switch between the radio networks of the radio signal extender and the hub. You can manually assign Superior Button Jeweller to another hub or range extender in the app.

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



Please note that Holder is sold separately.

## How to carry Superior Button Jeweller

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

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

## Maintenance

Clean the Superior Button Jeweller enclosure 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 Superior Button Jeweller.

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

The pre-installed battery is sensitive to low temperatures. If the device is cooled significantly, the battery level indicator in the app may show incorrect values until the device 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

**Compliance with standards**

**Setup in compliance with EN 50131 requirements**

## **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

Manufactured by "AS Manufacturing" LLC