

# Button User Manual

Updated January 17, 2020



**Button** is a wireless panic button with protection against accidental press and additional mode to control automation devices.



Button only operates with Ajax hubs. No provision is made for connection to the ocBridge Plus and uartBridge integration modules!

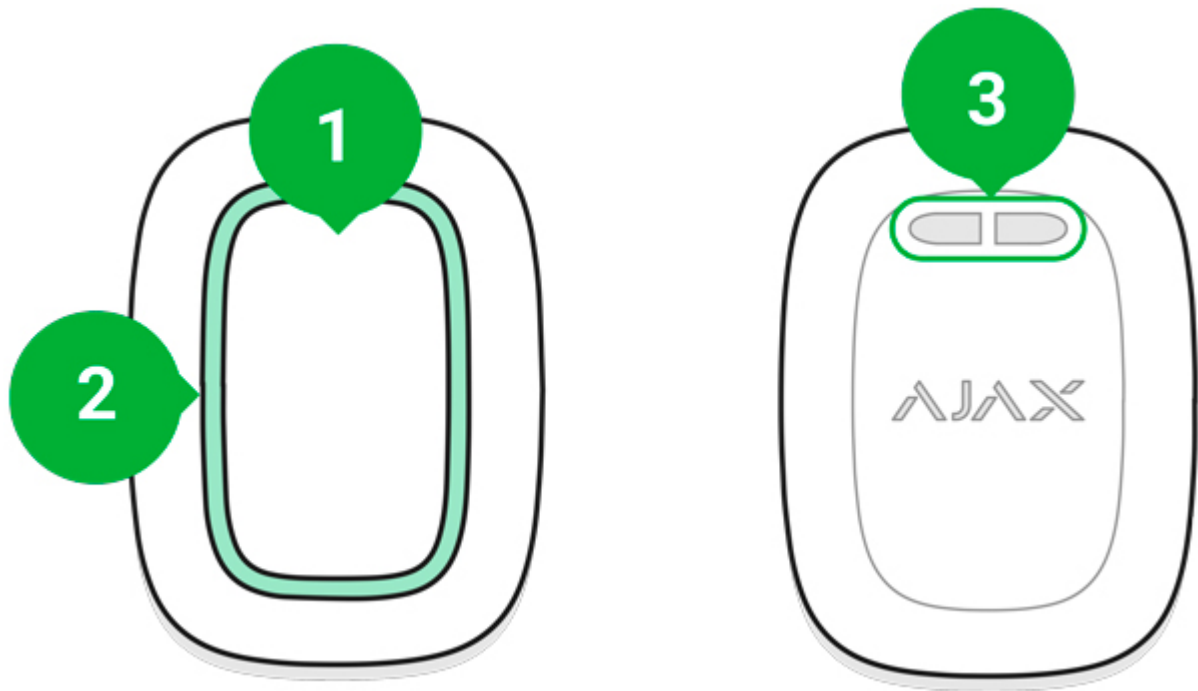
Button is connected to the security system and configured via Ajax apps on iOS, Android, macOS, and Windows. The users are alerted of all alarms and events via push notifications, SMS, and phone calls (if enabled).

The Ajax security system can be used for independent monitoring of the site and can be connected to the security company's Central Monitoring Station.



[Buy panic button Button](#)

# Functional elements



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

## Operating principle

**Button** is a wireless panic button that, when pressed, transmits an alarm to users, as well as to the security company's CMS. In Control mode, Button allows you to control Ajax automation devices with a short or long press of a button.



You can bind the action of an automation device [Relay](#), [WallSwitch](#) or [Socket](#) to a button press in the Button [settings](#) – [Scenarios](#) menu.

The Button is equipped with protection against accidental press and transmits alarms at a distance of up to 1,300 m from the hub. Please be aware that the presence of any obstructions that impede the signal (for example, walls or floors) will reduce this distance.

Button is easy to carry around. You can always keep it on a wrist or a neckless. The device is resistant to dust and splashes.



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

## Connecting the button to the Ajax security system

### Prior to initiating connection

1. Follow the hub instructions to install the [Ajax application](#). Create an account, add a hub to the app, and create at least one room.
2. Enter the Ajax app.
3. Activate the hub and check your internet connection.
4. Ensure that the hub is not in armed mode and is not being updated by checking its status in the app.



Only users with administrative rights can add a device to the hub

### In order to connect a Button

1. Click on **Add Device** in the Ajax app.
2. Name the device, scan its QR code (located on the package) or enter it manually, select a room and a group (if group mode is enabled).
3. Click **Add** and the countdown will begin.
4. Hold the button for 7 seconds. When the Button is added, the LEDs will flash green once.

For detection and pairing, the Button must be located within the hub radio communication zone (on the single protected object).

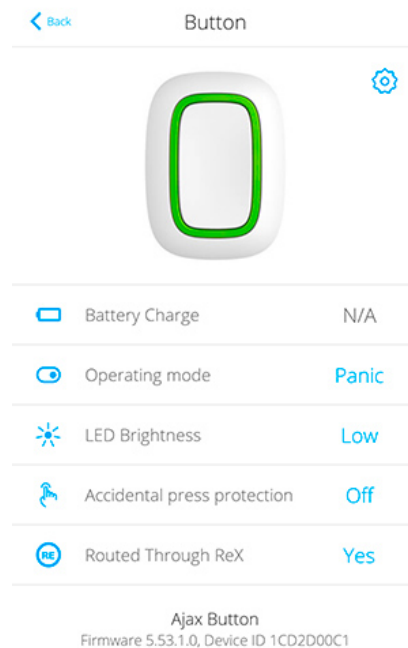
The connected button will appear in the list of hub devices in the application. Updating the statuses of the device in the list does not depend on the polling time value in the hub settings. Data is updated only by pressing the Button.

The Button only works with one hub. When connected to a new hub, the button Button stops transmitting commands to the old hub. Note that after being added to the new hub, the Button is not automatically removed from the device list of the old hub. This must be done manually through the Ajax application.

## States

Button statuses can be viewed in the device menu:

1. Ajax app > Devices  > Button



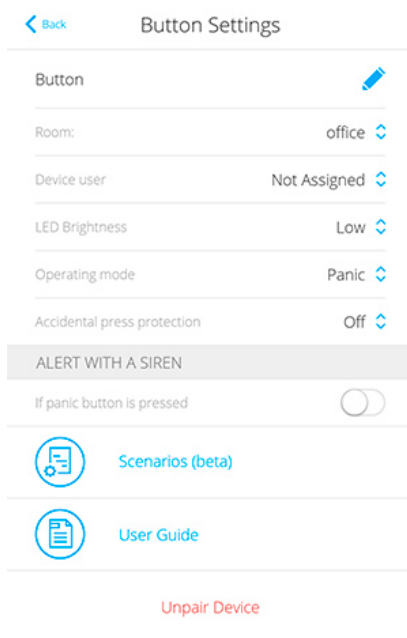
Parameter	Value
Battery charge	<p>Button battery charge level. There are two statuses:</p> <ul style="list-style-type: none"> <li>Battery OK</li> <li>Battery low</li> </ul>
Operating mode	<p>Displays the operating mode of the button. Two modes are available:</p> <ul style="list-style-type: none"> <li>Panic</li> <li>Control</li> </ul>
Indicator light brightness	Displays current brightness level of indicator

	light: <ul style="list-style-type: none"> <li>• Disabled (no display)</li> <li>• Minimum</li> <li>• Maximum</li> </ul>
Protection against accidental activation	Displays the selected type of protection against accidental activation: <ul style="list-style-type: none"> <li>• <b>Off</b> – protection disabled.</li> <li>• <b>Delay when pressing</b> – in order to send alarm you should hold the button down for more than 1.5 seconds.</li> <li>• <b>Double-pressing</b> – in order to send alarm you should double-press on the button with a pause of no more than 0.5 seconds.</li> </ul>
Routed Through ReX	Display the status of using the ReX range extender
Firmware	Button firmware version
ID	Device ID

## Configuration

You can adjust the device parameters in the settings section:

1. Ajax app > Devices  > Button > Settings 



Parameter	Value
First field	Name of the device, can be changed
Room	The choice of the virtual room that the device is assigned to
Operating mode	<p>Displays the operating mode of the button. Two 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> </ul>
Device user	Assigns a panic button user. After assignment, button presses will be displayed as events of the selected user
LED brightness	<p>This displays the current brightness of the indicator lights:</p> <ul style="list-style-type: none"> <li>• Disabled (no display)</li> <li>• Minimum</li> <li>• Maximum</li> </ul>
Accidental press protection (available only in panic mode)	<p>Displays the selected type of protection against accidental activation:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> – protection disabled.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Delay when pressing</b> – in order to send alarm you should hold the button down for more than 1.5 seconds.</li> <li>• <b>Double-pressing</b> – in order to send alarm you should double-press on the button with a pause of no more than 0.5 seconds.</li> </ul>
Alert with a siren if panic button is pressed	If active, <a href="#">HomeSiren</a> and <a href="#">StreetSiren</a> are activated after panic button pressing
Scenarios	Opens the menu for creating and configuring scenarios
User Guide	Opens the Button user guide
Unpair Device	Disconnects Button from the hub and deletes its settings
Firmware	Button firmware version
ID	Device ID

## Operating indication

Button status is indicated with red or green LED indicators.

Category	Indication	Event
Linking to security system	Green LEDs flash 6 times	The button is not registered in any security system
	Lights up green for a few seconds	Adding a button to the security system
Command delivery indication	Lights up green briefly	Command is delivered to security system
	Lights up red briefly	Command is not delivered to security system
Long press indication in Control mode	Blinks 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 security system has received and performed the command

	Briefly lights up red after the command delivery indication	The security 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 security system.

## Use cases

### Panic Mode

As a panic button, the Button is used to call for security company or help, as well as for emergency notification through the app or sirens. In this mode, pressing the Button will raise an alarm regardless of security mode of the system.


An alarm if Button is pressed can also run a scenario in the Ajax security system.

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

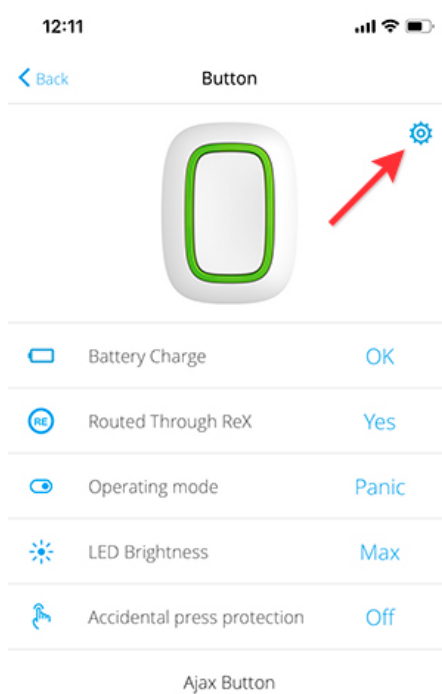
### Control Mode

In the Control mode, the Button 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, or Socket.

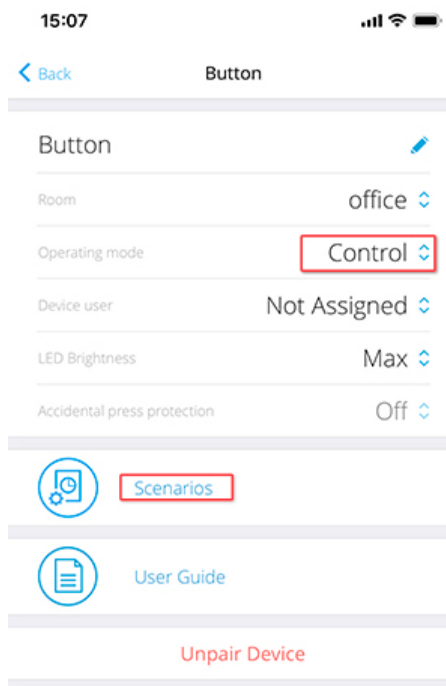
To bind an automation device action to a long or short press of a Button:

1. Open the Ajax app and go to the **Devices** tab.
2. Select **Button** in the list of devices and go to settings by clicking the gear icon .





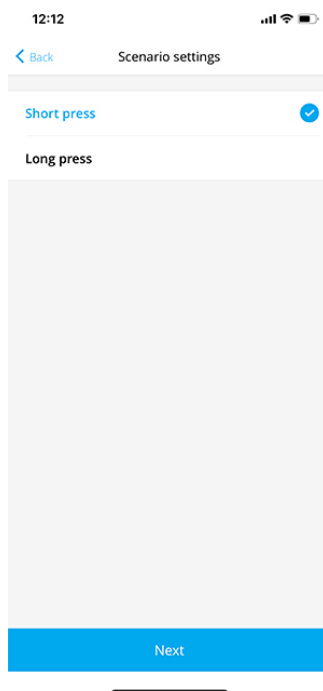
3. Select the **Control** mode in the Button mode section.



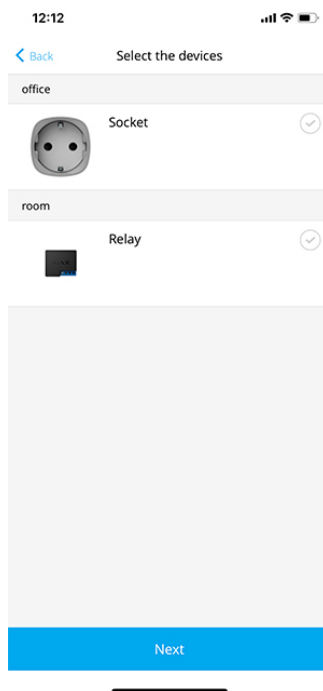
4. Click the **Button** to save the changes.

5. Go to the **Scenarios** menu and click **Create scenario** if you are creating a scenario for the first time, or **Add scenario** if scenarios have already been created in the security system.

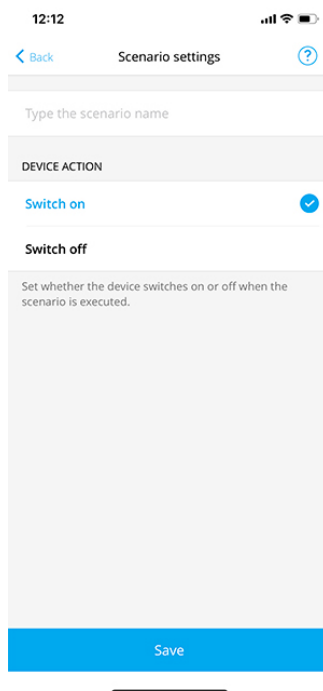
6. Select a pressing option to run the scenario: **Short press** or **Long press**.



7. Select the automation device to execute the action.



8. Enter the **Scenario Name** and specify the **Device Action** to be executed by pressing the Button.



When configuring a scenario for Relay, which is in pulse mode, the **Device Action** setting is not available. During the scenario execution, this relay will close/open the contacts for a set time. The operating mode and pulse duration are set in the [Relay settings](#)

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

## Maintenance

When cleaning the key fob body, use cleaners that are suitable for technical maintenance.

Never use substances containing alcohol, acetone, gasoline and other active solvents to clean the Button.

The pre-installed battery provides up to 5 years of key fob operation in normal use (one press per day). More frequent use may 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 cooled significantly, the battery level indicator in the app may show incorrect values until the key fob becomes warmer.

The battery level value is not updated on a regular basis, but only updates after pressing the button.

When the battery has run down, the user will receive a notification in the Ajax app, and the LED will steadily light up red and go out each time the button is pressed.



## Battery Replacement

## Technical Specifications

Number of buttons	1
LED backlight indicating command delivery	Available
Protection against accidental activation	Available, in panic mode
Frequency band	868.0 – 868.6 MHz or 868.7 – 869.2 MHz, depending on the sales region
Compatibility	Operates with <a href="#">Hub</a> , <a href="#">Hub Plus</a> , <a href="#">Hub 2</a> , <a href="#">ReX</a> featuring OS Malevich 2.7.102 and later
Maximum radio signal power	Up to 20 mW
Radio signal modulation	GFSK
Radio signal range	Up to 1,300 m (without obstacles)
Power supply	1 CR2032 battery, 3 V
Battery life	Up to 5 years (depending on frequency of use)
Protection class	IP55
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Dimensions	47 x 35 x 13 mm
Weight	16 g

## Complete Set

1. Button
2. Pre-installed CR2032 battery

3. Double-sided tape

4. Quick Start Guide

## Warranty

The warranty for the products manufactured by the AJAX SYSTEMS MANUFACTURING limited liability company is valid for 2 years after purchase and does not extend to the bundled battery.

If the device does not function properly, we recommend that you first contact the support service as technical issues can be resolved remotely in half of the cases!



[Warranty obligations](#)



[User agreement](#)

Technical support: [support@ajax.systems](mailto: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](#)