



## AJAX DoubleButton Wireless Hold-Up Device with Advanced Protection User Manual

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DoubleButton User Manual  
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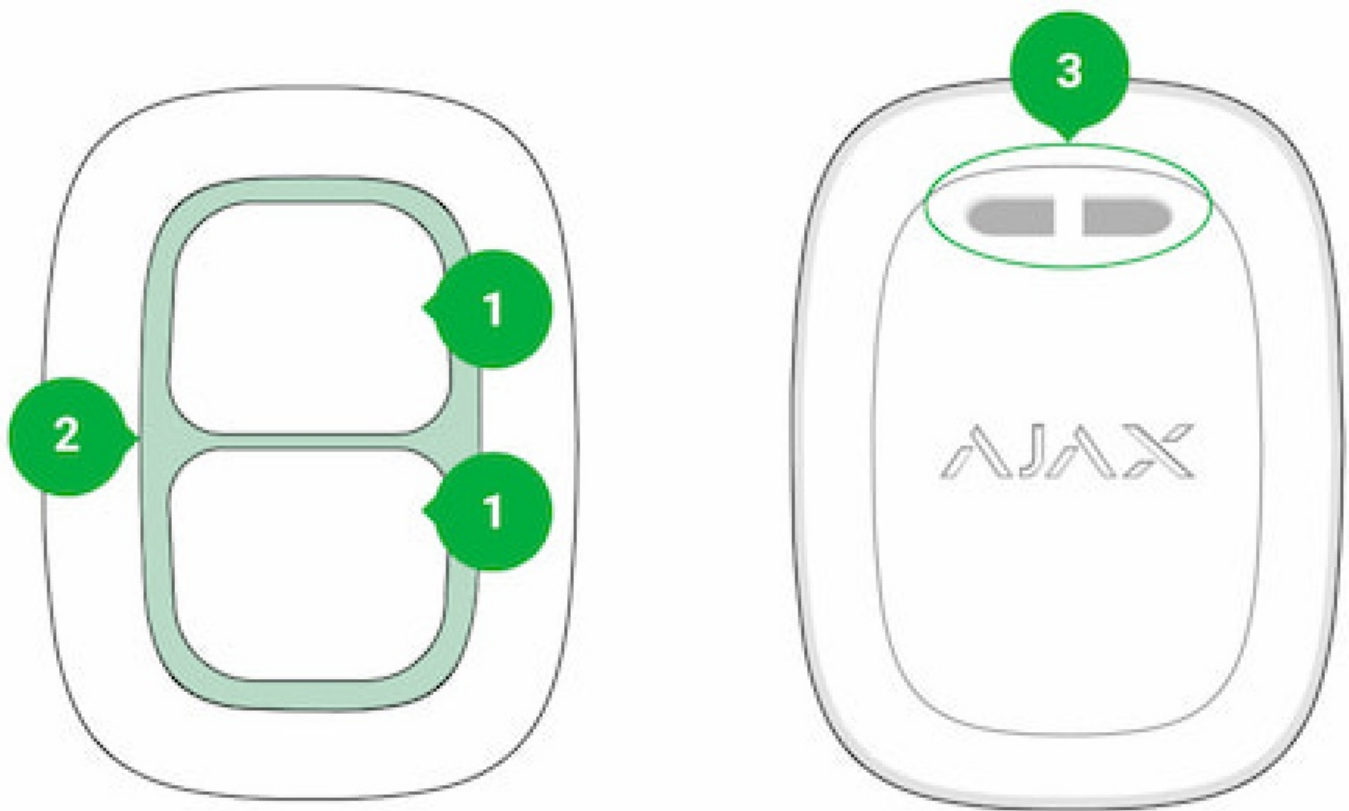


**DoubleButton** is a wireless hold-up device with advanced protection against accidental presses. The device communicates with a hub via the encrypted Jeweler radio protocol and is compatible only with Ajax security

systems. The line-of-sight communication range is up to 1300 meters. DoubleButton operates from the pre-installed battery for up to 5 years.

DoubleButton is connected and coned via Ajax apps on iOS, Android, macOS, and Windows. Push notify alarms and events.

Buy the DoubleButton hold-up device Functional elements



1. Alarm activation buttons
2. LED indicators/plastic protective divider
3. Mounting hole

#### Contents

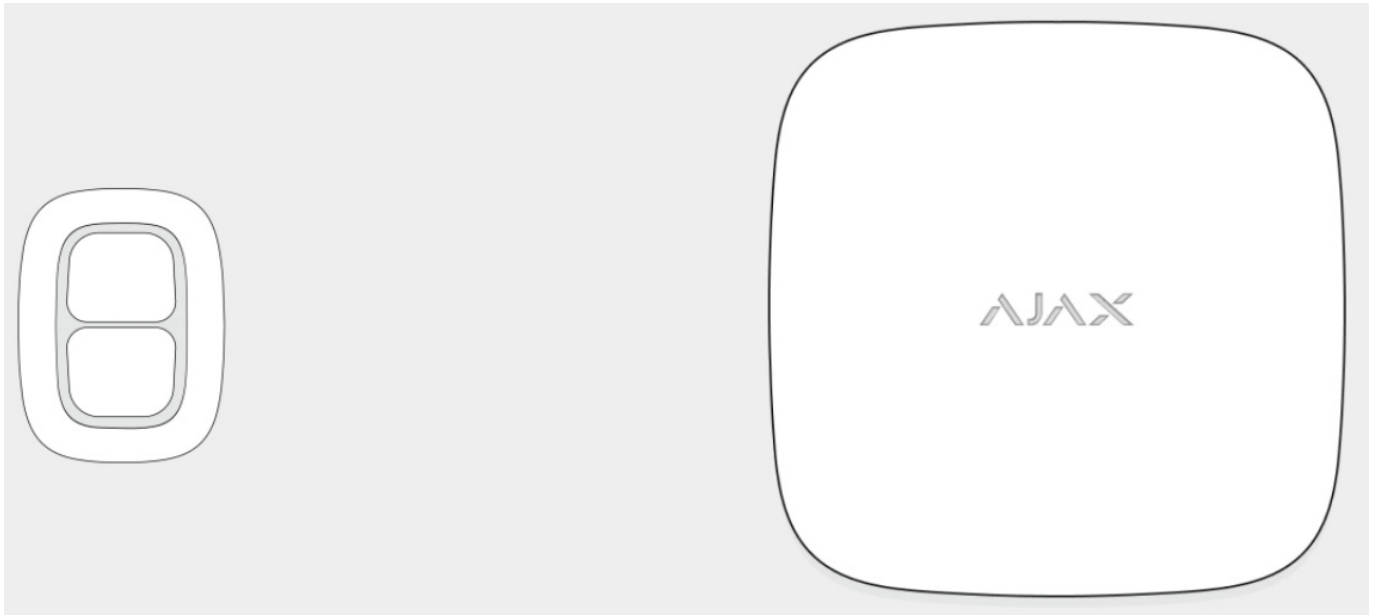
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### Operating principle

**DoubleButton** is a wireless hold-up device, featuring two tight buttons and a plastic divider to protect against accidental presses. When pressed, it raises an alarm (hold-up event), transmitted to users and to the security company's monitoring station.

An alarm can be raised by pressing both buttons: one-time short or long-press (more than 2 seconds). If only one

of the buttons is pressed, the alarm signal is not transmitted.



All DoubleButton alarms are recorded in the Ajax app's notification feed. The short and long presses have different icons, but the event code is sent to the monitoring station, SMS, and push noticing manner.

DoubleButton can only operate as a hold-up device. Setting the type of alarm is not supported. Keep in mind that the device is active 24/7, so pressing the DoubleButton will raise an alarm regardless of the security model.



Only alarm scenarios are available for DoubleButton. The control mode for automation devices is not supported.

### Event transmission to the monitoring station

The Ajax security system can connect to the CMS and transmit alarms to the monitoring station in Sur-Gard (ContactID) and SIA DC-09 protocol formats.

### Connection



Only users with administrator permissions can connect a device to a hub. The device is not compatible with Oxbridge Plus cartridge, and third-party security control panels.


### Before starting connection

1. Install the Ajax app. Create an account. Add a hub to the app and create at least one room.
2. Check if your hub is on and connected to the Internet (via Ethernet cable, WiFi, and/or mobile network). You can do this in the Ajax app or by looking at the Ajax logo on the front panel of the hub. The logo should light with white or green if the hub is connected to the network.
3. Check if the hub is not armed and does not update by reviewing its status in the app.



Only users with administrator permissions can connect a device to a hub.

## How to connect DoubleButton to a hub

1. Open the Ajax app. If your account has access to several hubs, select the hub to which you want to connect the device.
2. Go to the Devices tab  and click Add device.
3. Name the device, scan or enter the QR code (located on the package), select a room and a group (if group mode is enabled).
4. Click Add — the countdown will begin.
5. Hold any of the two buttons for 7 seconds. After adding DoubleButton, its LED will even once. DoubleButton will appear in the list of hub devices in the app.



To connect DoubleButton to a hub, it should be located on the same protected object as the system (within the hub's radio network range). If the connection fails, try again in 5 seconds.


DoubleButton can be connected to one hub only. When connected to a new hub, the device stops sending commands to the old hub. Added to a new hub,



Updating the device statuses in the list occurs only when DoubleButton is pressed and does not depend on the Jeweller settings.

### States



The states screen contains information about the device and its current parameters. Find the DoubleButton states in the Ajax app:

1. Go to the Devices tab 
2. Select DoubleButton from the list.

Parameter	Value
Battery Charge	The battery level of the device. Two states available: <ul style="list-style-type: none"> <li>• OK</li> <li>• Battery discharged</li> </ul> How battery charge is displayed in Ajax apps
LED Brightness	Indicates the LED brightness level: <ul style="list-style-type: none"> <li>• Off — no indication</li> <li>• Low</li> <li>• Max</li> </ul>
Works via *range extender name*	Indicates the status of the ReX range extender use. The yed if the device communicates directly with a hub
Temporary Deactivation	Indicates the status of the device: <ul style="list-style-type: none"> <li>• Active</li> <li>• Temporarily deactivated <a href="#">Learn more</a></li> </ul>
Firmware	DoubleButton e version
ID	Device ID

## Setting up

DoubleButton is set up in the Ajax app:

1. Go to the Devices tab 
2. Select DoubleButton from the list.
3. Go to Settings by clicking on the  icon.

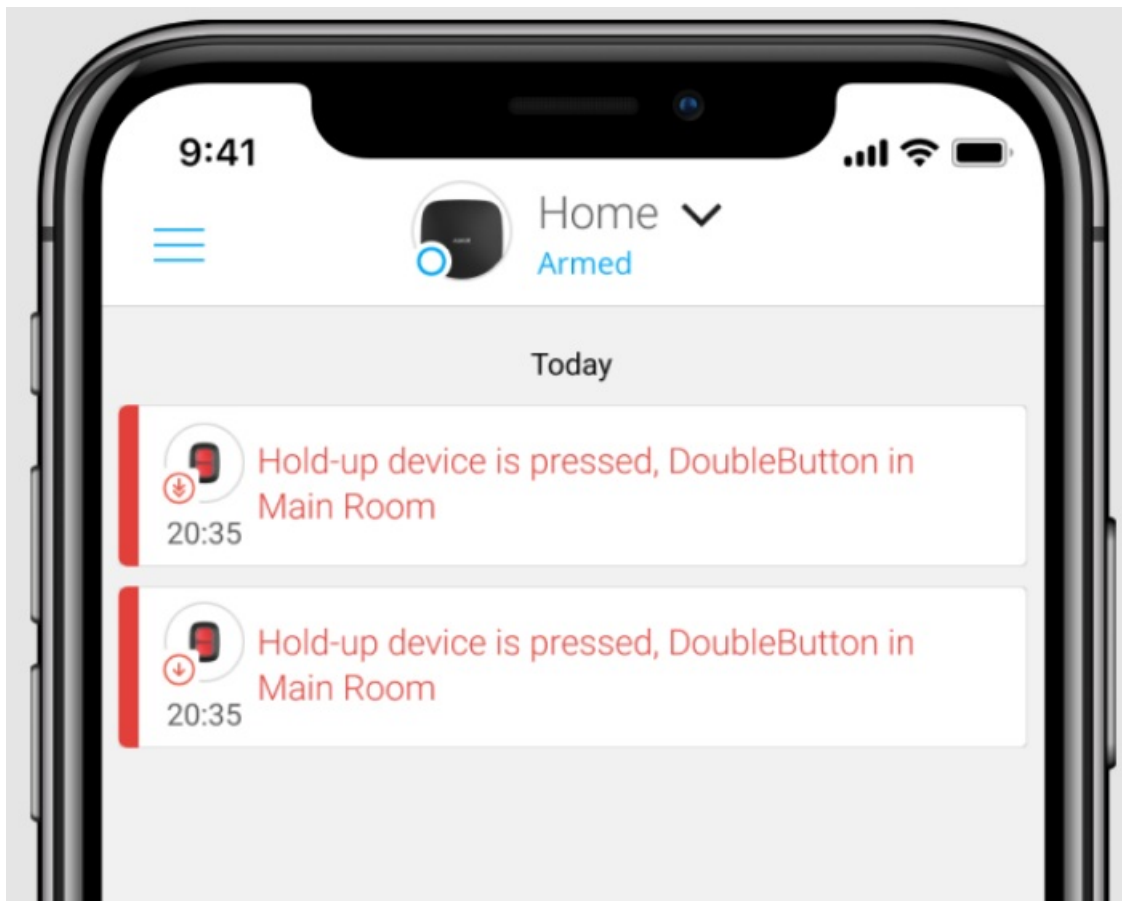


Please note that after changing the settings, you need to press Back to apply them.

Parameter	Value
First field	Device name. Displayed in the list of all hub devices, SMS, and native feed. The name can contain up to 12 Cyrillic characters or up to 24 Latin characters
Room	Select the virtual room to which DoubleButton is assigned. The name of the room is displayed in SMS and notification the event feed
LED brightness	Adjusting LED brightness: <ul style="list-style-type: none"> <li>• Off — no indication</li> <li>• Low</li> <li>• Max</li> </ul>
Alert with a siren if the button is pressed	When enabled, the connection to your <b>sirens</b> security system signal about the button pressing
User Guide	Opens the DoubleButton user manual
Temporary Deactivation	Allows the user to disable the device without removing it from the system. A temporarily deactivated device will not raise an alarm when pressed Learn more about temporary deactivation of devices
Unpair Device	Disconnects DoubleButton from a hub and removes its settings

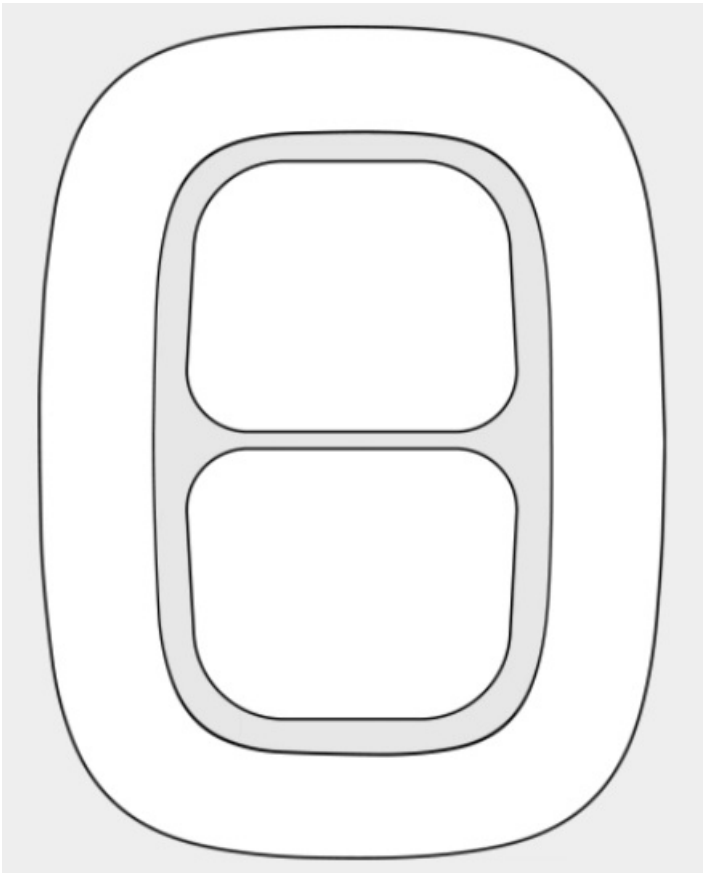
## Alarms

A DoubleButton alarm generates an event notification to the security company's monitoring station and system users. The pressing matter is indicated in the event feed of the app: for a short press, a single-arrow icon appears, and for a long press, the icon has two arrows.



To reduce the probability of false alarms, a security company can enable the alarm confirmation feature. Note that the alarm confirmation is a separate event that does not cancel the alarm transmission. Whether or not the feature is enabled, DoubleButton alarms are sent to a CMS and to security system users.

### **Indication**



DoubleButton blinks red and green to indicate command execution and battery charge status.

Category	Indication	Event
Pairing with a security system	The whole frame blinks green 6 times	The button is not connected to a security system
	The whole frame lights up green for a few seconds	Connecting the device to a security system

Command delivery indication	The frame part above the pressed button lights up green briefly	One of the buttons is pressed and the command is delivered to a hub. When only one button is pressed, DoubleButton does not raise an alarm
	The entire frame lights up green briefly	Both buttons are pressed and the command is delivered to a hub
Response Indication (follows the Command Delivery Indication)	The entire frame lights up red briefly	One or both buttons were pressed and the command was not delivered to a hub
	The whole frame lights up green for half a second after the command delivery indication	A hub received the DoubleButton command and raised an alarm
Battery status indication	The whole frame lights up red for half a second after the command delivery indication	A hub received the DoubleButton command but did not raise an alarm
(follows Feedback Indication)	After the main indication, The entire frame lights up red and gradually goes out	A battery replacement is required. DoubleButton commands are delivered to a hub

## Application

DoubleButton can be used on a surface or carried around.



### How to fix DoubleButton on a surface

To vice on a surface (e. g. under a table), use Holder.

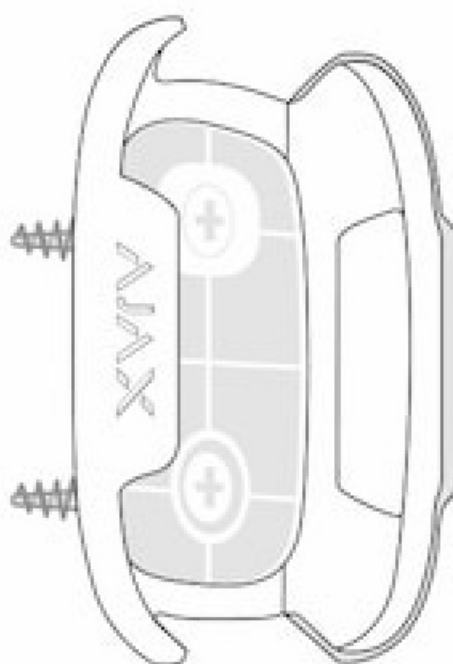
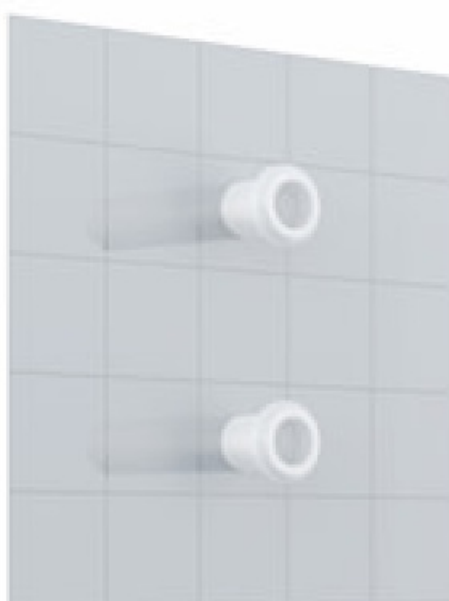
#### To install the device in the holder:

1. Choose a location to install the holder.
2. Press the button to test whether the commands are delivered to a hub. If not, choose another location or use the ReX radio signal range extender

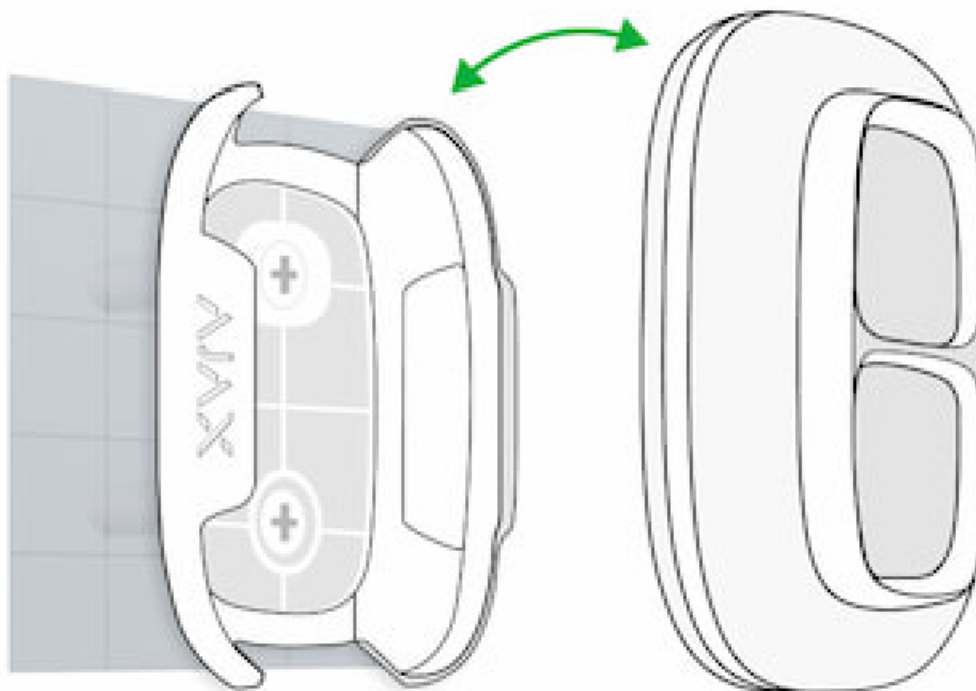


When routing DoubleButton through ReX, keep in mind that it does not automatically switch between a range extender and a hub. You can assign DoubleButton to a hub or another ReX in the Ajax app.

3. Fix the Holder on the surface using the bundled screws or double-sided adhesive tape.



4. Put DoubleButton into the holder.



Please note that Holder is sold separately.

Buy Holder

### How to carry DoubleButton

The button is easy to carry around thanks to a special hole in its body. It can be worn on the wrist or neck, or be hung on a keyring.

DoubleButton has an IP55 protection index. This means that the device's body is protected from dust and splashes. And a special protective divider, tight buttons, and the need to press two buttons at once eliminate false alarms.



### Using DoubleButton with alarm confirmation enabled

**Alarm confirmation** is a separate event that a hub generates and transmits to a CMS if the hold-up device has been activated by different types of pressing (short and long) or two specified DoubleButtons have transmitted alarms within a specified time. By responding to confirmed alarms only, a security company and police reduce the risk of unnecessary reacting.

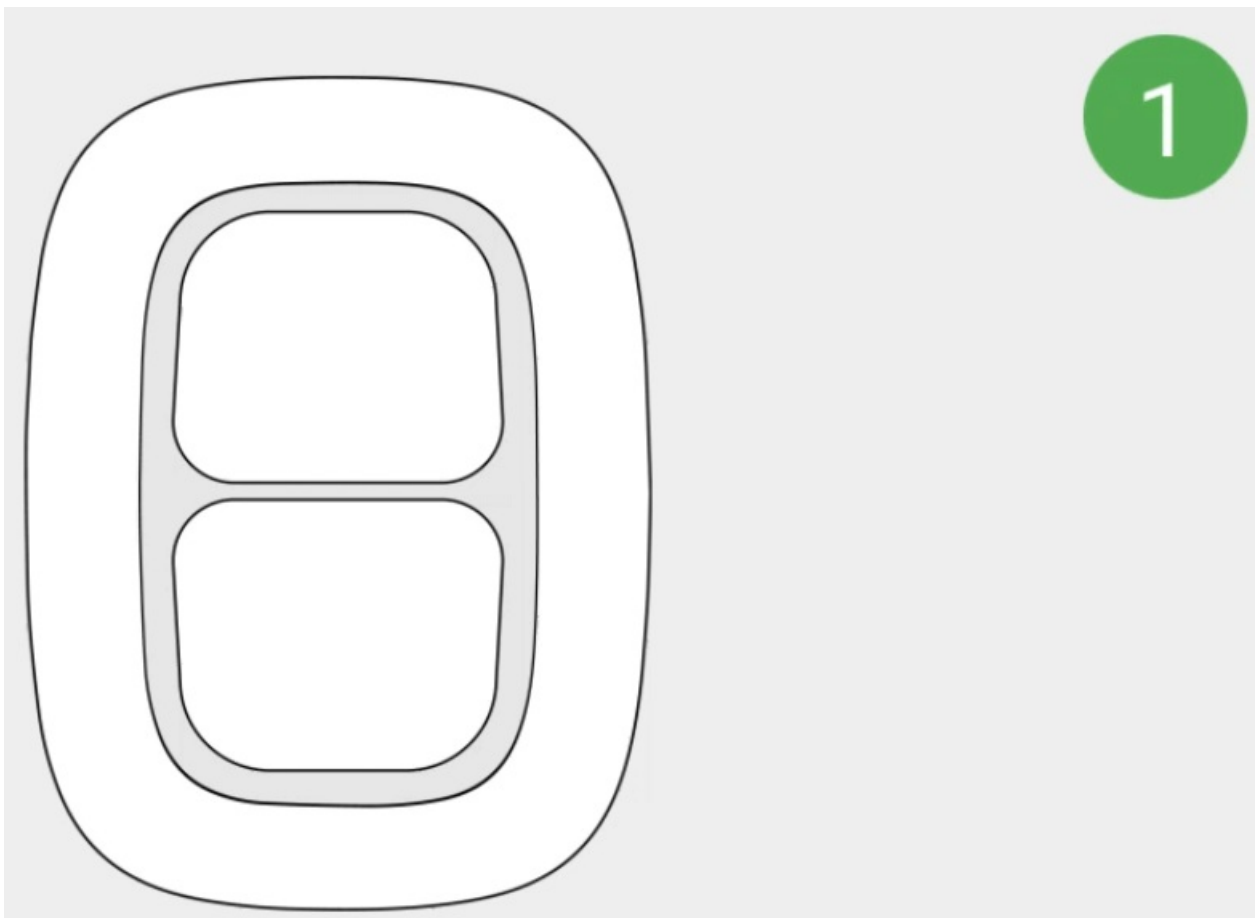
Note that the alarm confirmation feature does not disable the alarm transmission. Whether or not the feature is enabled, DoubleButton alarms are sent to a CMS and to security system users.

How to configure confirmation of a hold-up device

### How to confirm alarm with one DoubleButton

To raise a confirmed alarm (hold-up event) with the same device, you need to perform any of these actions:

1. Hold both buttons simultaneously for 2 seconds, release, and then press both buttons again briefly.
2. Simultaneously press both buttons briefly, release, and then hold both buttons for 2 seconds.



### How to confirm alarm with several DoubleButtons

To raise a confirmed alarm (hold-up event), you can activate one hold-up device twice (according to the algorithm described above) or activate at least two different DoubleButtons. In this case, it doesn't matter in what way two different DoubleButtons were activated — with a short or long-pressing.

### Maintenance

When cleaning the device body, use products suitable for technical maintenance. Do not use substances containing alcohol, acetone, gasoline, or other active solvents to clean DoubleButton.

The pre-installed battery provides up to 5 years of operation, considering one pressing per day. More frequent use may decrease battery life. You can check the battery status at any time in the Ajax app.

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



[ Hazard.

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

If DoubleButton cools down up to -10°C and below, the battery charge indicator in the app can show low battery status until the button heats up to above-zero temperatures. Note that the battery charge level is not updated in the background, but only by pressing DoubleButton.

When the battery charge is low, users and a security company monitoring station receive notifications. The device LED smoothly lights up red and goes out after each button pressing.

How to replace the battery in DoubleButton

**Technical Specifications**

Number of buttons	2
LED indicating command delivery	Available
Protection against the accidental press	<ul style="list-style-type: none"> <li>• To raise an alarm, press 2 buttons simultaneously</li> <li>• Protective plastic divider</li> </ul>
Frequency band	868.0 – 868.6 MHz or 868.7 – 869.2 MHz, depending on the sales region
Compatibility	Operates only with and Ajax hubs range on OS Malevich 2.10 and higher extenders
Maximum radio signal power	Up to 20 mW
Radio signal modulation	GFSK
Radio signal range	Up to 1,300 m (line-of-sight)
Power supply	1 CR2032 battery, 3 V
Battery life	Up to 5 years (depending on the frequency of use)
Protection class	IP55
Operating temperature range	From –10°C to +40°C
Operating humidity	Up to 75%
Dimensions	47 × 35 × 16 mm
Weight	17 g

## Complete set

### 1. DoubleButton

2. CR2032 battery (pre-installed)
3. Quick Start Guide


## Warranty

The warranty for the AJAX SYSTEMS MANUFACTURING Limited Liability Company products 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 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)

## Documents / Resources

	<p><a href="#">AJAX DoubleButton Wireless Hold-Up Device with Advanced Protection</a> [pdf] User Manual          DoubleButton, Wireless Hold-Up Device with Advanced Protection, DoubleButton Wireless Hold-Up Device with Advanced Protection</p>
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- [Current product lines of the Ajax security system](#)
- [DoubleButton — Wireless hold-up device | Emergency button](#)
- [Holder for Button/DoubleButton — Bracket for panic button](#)
- [ocBridge Plus — Module for Ajax devices integration with wired systems](#)
- [ReX — Intelligent radio signal range extender | Ajax Systems](#)
- [uartBridge — Module for Ajax devices integration with third-party wireless alarms systems](#)
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- [Warranty - Ajax Systems](#)
- [How battery charge is displayed in Ajax apps | Ajax Systems Support](#)
- [How to create the Ajax account? | Ajax Systems Support](#)
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- [How to temporarily deactivate a device without removing it from the system | Ajax Systems Support](#)
- [How to use the SIA protocol to connect the hub to the central monitoring station | Ajax Systems Support](#)

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-  [How to set up your system according to PD 6662:2017 requirements | Ajax Systems Support](#)

Manuals+.