

HomeSiren S Jeweler Bedienungsanleitung

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HomeSiren S ist eine kabellose Sirene für die Inneninstallation. Das Gerät benachrichtigt über Ereignisse und Alarme mit einer LED-Anzeige und einer Lautstärke von bis zu 105 dB. Unterstützt den Anschluss einer zusätzlichen kabelgebundenen LED. Kann mit einer vorinstallierten Batterie bis zu 5 Jahre lang betrieben werden.

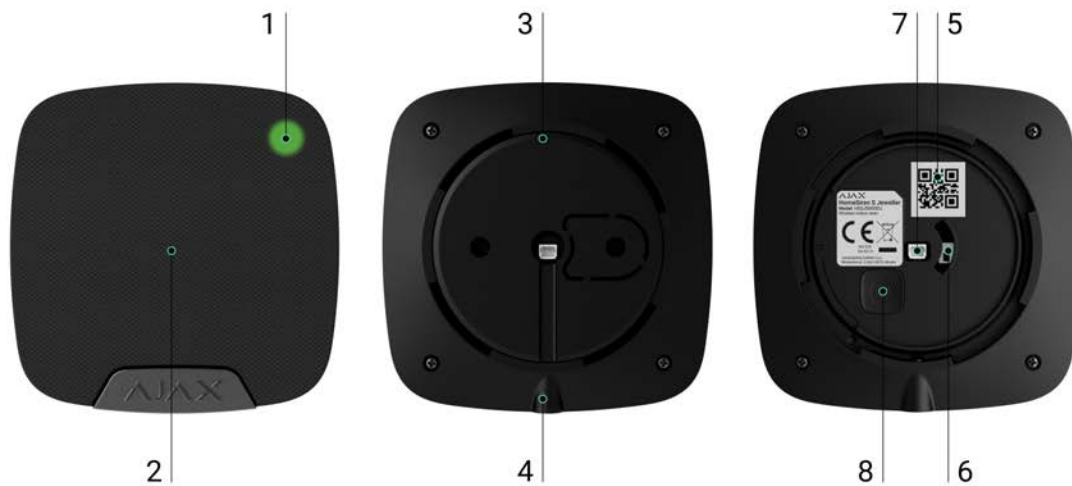
HomeSiren S kommuniziert über das sichere Jeweler -Funkprotokoll mit einem Hub, um Alarme und Ereignisse zu übertragen. Die Kommunikationsreichweite ohne Hindernisse beträgt bis zu 2.000 Meter.



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. LED-Anzeige.
2. Sirenensummer mit Stoff bezogen.
3. SmartBracket-Befestigungspanel. Der perforierte Teil ist notwendig, um im Falle eines Versuchs, die Sirene von der Oberfläche zu lösen, einen Sabotagemechanismus auszulösen. Brechen Sie es nicht ab!
4. Das Loch zur Befestigung der SmartBracket-Montageplatte mit einer Halteschraube.
5. QR-Code. Es wird verwendet, um die Sirene mit einem Ajax-Hub zu koppeln.
6. Manipulationsknopf .
7. Buchse zum Anschluss einer außen angebrachten Leuchtanzeige.
8. Power-Taste.

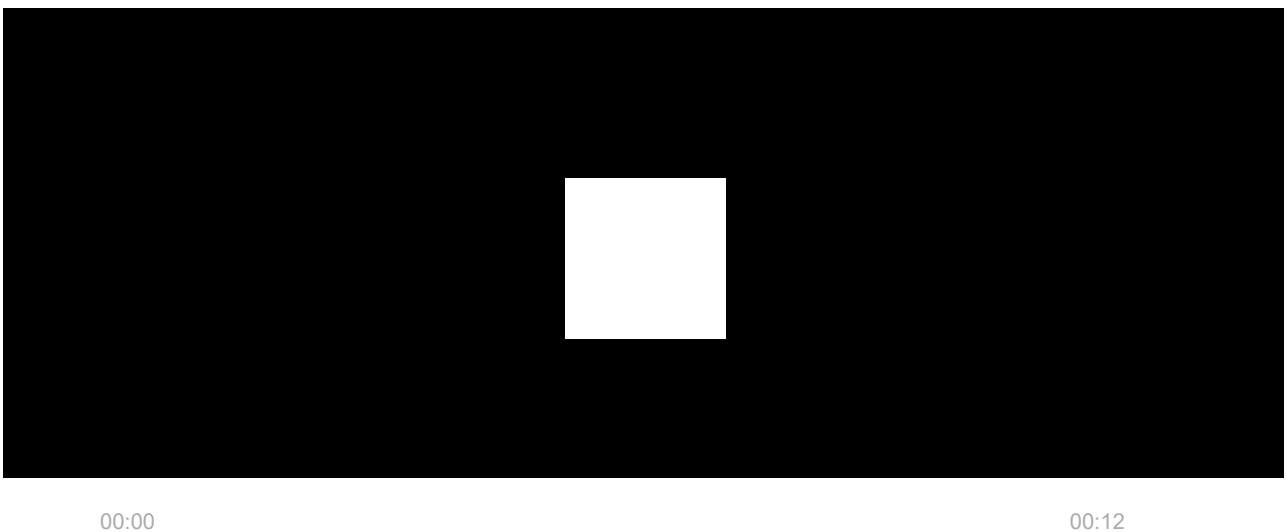
Kompatible Hubs und Range Extender

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

Hubs	Funksignal-Reichweitenverlängerer
• <u>Hub Plus</u> • <u>Hub 2 (2G)</u>	• <u>ReX</u> • <u>ReX 2</u>

- [Hub 2 \(4G\)](#)
- [Hub 2 Plus](#)
- [Hub-Hybrid \(2G\)](#)
- [Hub-Hybrid \(4G\)](#)

Funktionsprinzip



The device is equipped with a loud buzzer – the sound of the siren can be heard from afar. It would be hard to dismount and deactivate the actuated siren if installed correctly. Its enclosure is firm and equipped with a holding screw for reliable fastening. The power supply is autonomous, and the on/off button will be blocked when the system is armed.

The siren performs four tasks:

- 1. Informs about an alarm.** The siren responds to tamper and security system alarms. It is loud enough to scare away intruders and attract the neighbors' attention.
- 2. Indicates the security status.** The siren uses LED indication to notify that the object is armed, and reports about [Delays When Entering/Leaving](#) with sound. These functions can be helpful when managing the security system using key fobs and keypads: the siren reminds you to disarm the system when you enter the object.

3. **Chime.** Sirens with a special sound inform about the triggering of the opening detectors when the system is disarmed. The feature is used, for example, in stores, to notify employees that someone has entered the building.
4. **Notifies of triggering until the system is disarmed.** The siren's LED and external LED (if connected) flashes after the sound signal is played. Thanks to this option, users and passing patrols of security companies can see that the system was triggered.

Jeweller data transfer protocol

Jeweller is a two-way wireless data transfer protocol that provides fast and reliable communication between hub and devices. The siren uses a Jeweller to transmit alarms and events.

[Learn more](#)

Sending events to the monitoring station

The Ajax system can transmit alarms to the [PRO Desktop](#) monitoring app as well as the central monitoring station (CMS) in the formats of **SurGard (Contact ID)**, **SIA (DC-09)**, **ADEMCO 685**, and [other protocols](#).

HomeSiren S can transmit the following events:

1. Tamper alarm. Tamper recovery.
2. Loss of connection with the hub (or radio signal range extender).
Restoration of connection.
3. Permanent deactivation/activation of the siren.
4. One-time deactivation/activation of the siren.

When an alarm is received, the security company monitoring station operator knows what happened and precisely where to send a fast response team. The addressability of Ajax devices allows sending events to the PRO Desktop or the CMS the type of the device, its name, security group, and virtual room. Note that the list of transmitted parameters may differ depending on the kind of CMS and the selected protocol for communication with the monitoring station.



The ID and the number of the device can be found in its [states in the Ajax app](#).

Adding to the system



HomeSiren S is incompatible with Hub and third-party security control panels.

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



Up to 10 sirens may be connected to the Ajax hub.

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 siren.
2. Go to the **Devices**  tab and click **Add Device**.
3. Name the device, scan, or type in the QR code (placed on the siren and the package box), and select a room and a group (if Group mode is enabled).



4. Press **Add**.
5. Switch on the siren by holding the power button for 3 seconds.



If the connection fails, turn the siren off and try again in 5 seconds. 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.

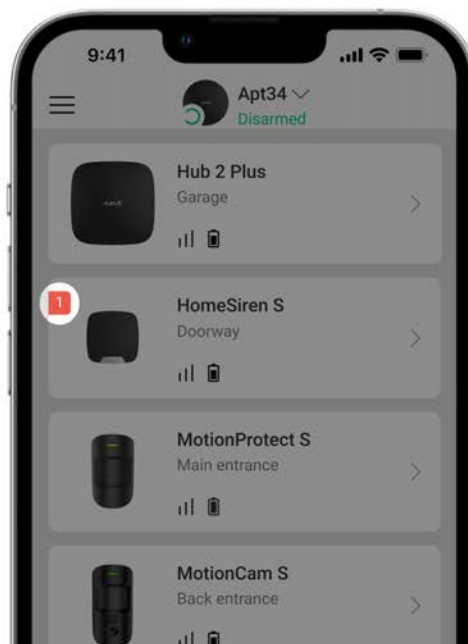
The siren connected to the hub will appear in the list of hub devices in the Ajax app. Updating the statuses of devices in the list depends on the **Jeweller** or

Jeweller/Fibra settings; the default value is 36 seconds.



HomeSiren S works with one hub. When connected to a new hub, the siren stops sending events to the old one. When added to a new hub, the siren is not removed from the device list of the old hub. This must be done through the Ajax app.

Malfunctions

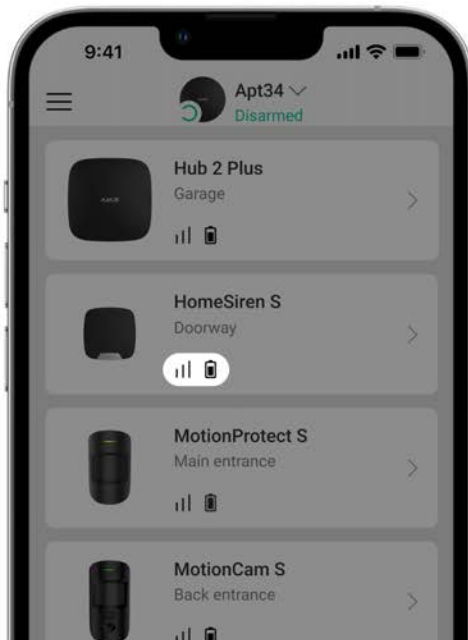


When a malfunction is detected, the Ajax app displays a malfunction counter on the device icon. All malfunctions are shown in the siren states. Fields with malfunctions will be highlighted in red.

A malfunction is displayed if:

- The siren temperature is outside acceptable limits.
- The siren enclosure is open (tamper is triggered).
- No connection with the hub or radio signal range extender via Jeweller.
- The siren battery is low.

Icons



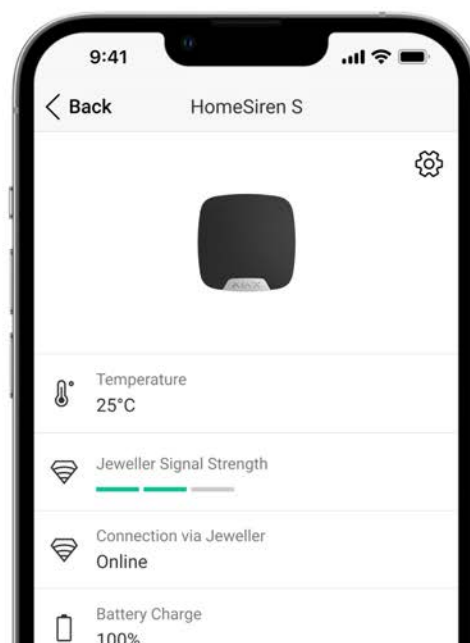
The icons display some siren states. To access them:

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 siren. The recommended value is 2–3 bars. Learn more
	The siren has a malfunction. The list of malfunctions is available in the siren states. Learn more
	The siren battery charge level. Learn more
	Displayed when the siren is operating via a radio signal range extender.
	Siren is permanently deactivated.

	Learn more
	Siren has tamper triggering events permanently deactivated. Learn more
	Siren is deactivated until for a time the armed mode is active. Learn more
	Siren has tamper triggering events deactivated for a time the armed mode is active. Learn more

States



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

1. Go to the **Devices**  tab.
2. Select **HomeSiren S** from the list.

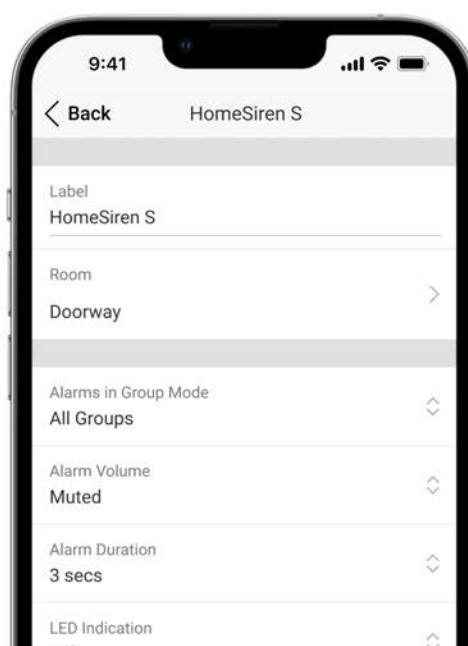
Parameter	Value
Malfunction	Clicking on ⓘ opens the devices malfunctions list. The field is displayed if a malfunction is detected.
Temperature	The acceptable error between the value in the app and the temperature at the installation site: 2°C. The value is updated as soon as the module detects a temperature change of at least 1°C. You can create a scenario by temperature to control automation devices. Learn more
Jeweller Signal Strength	Signal strength between the siren and the hub (or the range extender) via the Jeweller channel. The recommended value is 2–3 bars. Jeweller is a protocol for transmitting HomeSiren S events and alarms.
Connection via Jeweller	Connection status on the Jeweller channel between the siren and the hub (or the range extender): • Online — the siren is connected to the hub or the range extender. • Offline — the siren is not connected to the hub or the range extender. Check the siren connection.
ReX range extender name	Radio signal range extender connection status. Displayed when the siren works via radio signal range extender
Battery Charge	Battery level of the device. Displayed as a percentage.

	How battery charge is displayed in Ajax apps
Lid	The status of the siren tamper that responds to detachment or opening of the device enclosure: • Open — the siren was removed from the SmartBracket, or its integrity was compromised. Check the device. • Closed — the siren is installed on the SmartBracket mounting panel. The integrity of the device enclosure and the mounting panel is not compromised. Normal state. Learn more
Alarm Volume	Volume level in case of alarm: • Muted — the siren does not sound when the alarm is raised. • Quiet — 81 dB volume. • Loud — 93 dB volume. • Very loud — 105 dB volume. The volume level is measured 1 m away from the siren.
Alarm Duration	Duration of sound signal in case of alarm: from 3 seconds to 3 minutes.
LED indication	LED indication of the siren settings: • Off — LED indication is off. • Armed — the siren flashes only when the system is in Armed mode. • Always — the siren flashes regardless of the security mode. Learn more

Beeps Settings	
Arming/Disarming	When enabled, the siren notifies about arming and disarming by flashing the LED and a short beep.
Night Mode Activation/Deactivation	When enabled, the siren notifies you when the Night Mode is switched on/off by flashing the LED and making a short beep.
Entry Delays	When enabled, the siren beeps about <u>delays when entering</u> .
Exit Delays	When enabled, the siren beeps about <u>delays when leaving</u> .
Entry Delays in Night Mode	When enabled, the siren beeps about <u>delays when entering</u> in Night Mode .
Exit Delays in Night Mode	When enabled, the siren beeps about <u>delays when leaving</u> in Night Mode .
Chime on opening	When enabled, a siren notifies about opening detectors triggering in the Disarmed system mode. <u>Learn more</u>
Beep Volume	Displayed if the notifications about arming/disarming, entry/exit delay, and opening are activated. Shows the siren volume level for notifications.
Permanent Deactivation	Shows the status of the siren permanent deactivation setting: • No — the siren operates in the normal mode. • Lid only — the hub administrator has disabled notifications about triggering of the siren tamper. • Entirely — the siren is entirely excluded from the operation of the system. The device does not execute system commands and does not report alarms or other events. <u>Learn more</u>

One-Time Deactivation	Shows the status of the siren one-time deactivation setting: • No — the siren operates in the normal mode. • Lid only — notifications on the siren tamper triggering are disabled until the first disarm. • Entirely — the siren is entirely excluded from the operation of the system until the first disarm. The siren does not execute system commands and does not report alarms or other events. Learn more
Firmware	Siren firmware version.
ID	Siren ID. Also available on the QR code on the device enclosure and its package box.
Device No.	Number of the device loop (zone)

Settings



To change the **HomeSiren S** settings in the Ajax app:

1. Go to the **Devices**  tab.
2. Select **HomeSiren 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.

Setting	Value
Name	Name of the siren. Displayed in the list of hub devices, text of SMS and notifications in the events feed. To change the name of the module, click on the text field. The name can contain up to 12 Cyrillic characters or up to 24 Latin characters.
Room	Selecting the virtual room to which HomeSiren S is assigned. The room name is displayed in the text of SMS and notifications in the events feed.
Alarms in Group Mode	Selecting the group to which the siren is assigned. You can select one or all groups: • If the siren is assigned to a certain group, it notifies about alarms and events of this group only. • If the siren is assigned to all groups, it notifies about alarms and events of all groups in the system. Regardless of the selected group, the siren will respond to activation and alarms of the <u>Night Mode</u>. The option is displayed if <u>group mode</u> is enabled on the hub.

Alarm Volume	Volume level in case of alarm: • Muted — the siren does not sound when the alarm is raised. • Quiet — 81 dB volume. • Loud — 93 dB volume. • Very loud — 105 dB volume. The volume level is measured 1 m away from the siren.
Alarm Duration	Duration of a sound signal in case of alarm: from 3 seconds to 3 minutes. Set in 3 second intervals.
LED indication	LED indication of the siren settings: • Off — LED indication is off. • Armed — LED flashes once every 2 seconds only when the system is in Armed mode. • Always — LED flashes once every 2 seconds regardless of the security mode. Learn more
Beeps Settings	Opens the siren beeps settings. A detailed description of the settings is available below.
Jeweller Signal Strength Test	Switches the siren to the Jeweller signal strength test mode. Learn more
Volume Test	Switches the siren to the volume test mode. Learn more

Signal Attenuation Test	Switches the siren to the signal attenuation test mode. Learn more
User Guide	Opens the HomeSiren S user manual in the Ajax app.
Permanent Deactivation	Allows the user to disable the siren without removing it from the system. Three options are available: • No — the siren operates in normal mode and transmits all events. • Entirely — the siren does not execute system commands and does not participate in automation scenarios, and the system ignores alarms and other device notifications. • Lid only — the system ignores the siren tamper triggering notifications. Learn more
One-Time Deactivation	Allows the user to disable events of the siren until the first disarm. Three options are available: • No — the siren operates in the normal mode • Lid only — notifications on the siren tamper triggering are disabled for a time the armed mode is active. • Entirely — the siren is entirely excluded from the operation of the system for a time the armed mode is active. The siren does not execute system commands and does not report alarms or other events. Learn more
Unpair Device	Unpairs the siren, disconnects it from the hub, and deletes its settings.

Beep settings

Event	Meaning
Beep on armed mode change	
Arming/Disarming	When enabled, the siren notifies you when the system is armed and disarmed by lighting of the LED and by a short beep.
Night Mode Activation/Deactivation	When enabled, the siren notifies you when the Night Mode is switched on/off by lighting of the LED and by a short beep.
Beep on delays	
Entry Delays	When enabled, the siren beeps to signal about a delay when entering. Learn more
Exit Delays	When enabled, the siren beeps to signal about a delay when leaving. Learn more
Entry Delays in Night Mode	When enabled, the siren beeps to signal about a delay when entering in the Night Mode. Learn more
Exit Delays in Night Mode	When enabled, the siren beeps to signal about a delay when leaving in the Night Mode. Learn more
Beep when disarmed	
Chime on opening	When this option is enabled, the siren informs you with a short beep that the opening detectors are triggered in the Disarmed system mode. Learn more

Beep volume	Selecting the siren volume level for notifications about arming/disarming, entry/exit delay, and opening: • Quiet — 81 dB volume. • Loud — 93 dB volume. • Very loud — 105 dB volume. The volume level is measured 1 m away from the siren.
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Setting the siren response to device alarms

In Ajax apps, you can separately configure the siren's reaction to the alarms of each detector in the system. The function is useful if you do not need to activate the siren in case of the alarm of a specific device. For example, to [LeaksProtect](#) leakage detector triggering.

To set the siren response to a device alarm:

1. Open the Ajax app.
2. Go to the **Devices**  tab.
3. Select the device for which you want to configure the siren response from the list.
4. Go to the device **Settings** by clicking on the gear icon .
5. Find the **Alert with a siren** option and select the toggles which will activate it. Enable or disable the function.
6. Repeat steps 3-5 for the rest of the system devices.



By default, the siren response is enabled for alarms of all devices in the system.

Setting the tamper alarm response

In Ajax apps, you can configure the siren's response to enclosure alarms of each system device. When the function is activated, the siren will emit a sound signal when triggering the tamper button or the accelerometer of the device.

To set the siren response to a tamper alarm:

1. Open the Ajax app.
2. Go to the **Devices**  tab.
3. Select the hub and go to its **Settings** .
4. Select the **Service** menu.
5. Go to the section **Sounds and Alerts**.
6. Enable the **If lid of hub or any detector is open** toggle.
7. Click **Back** to save the new settings.



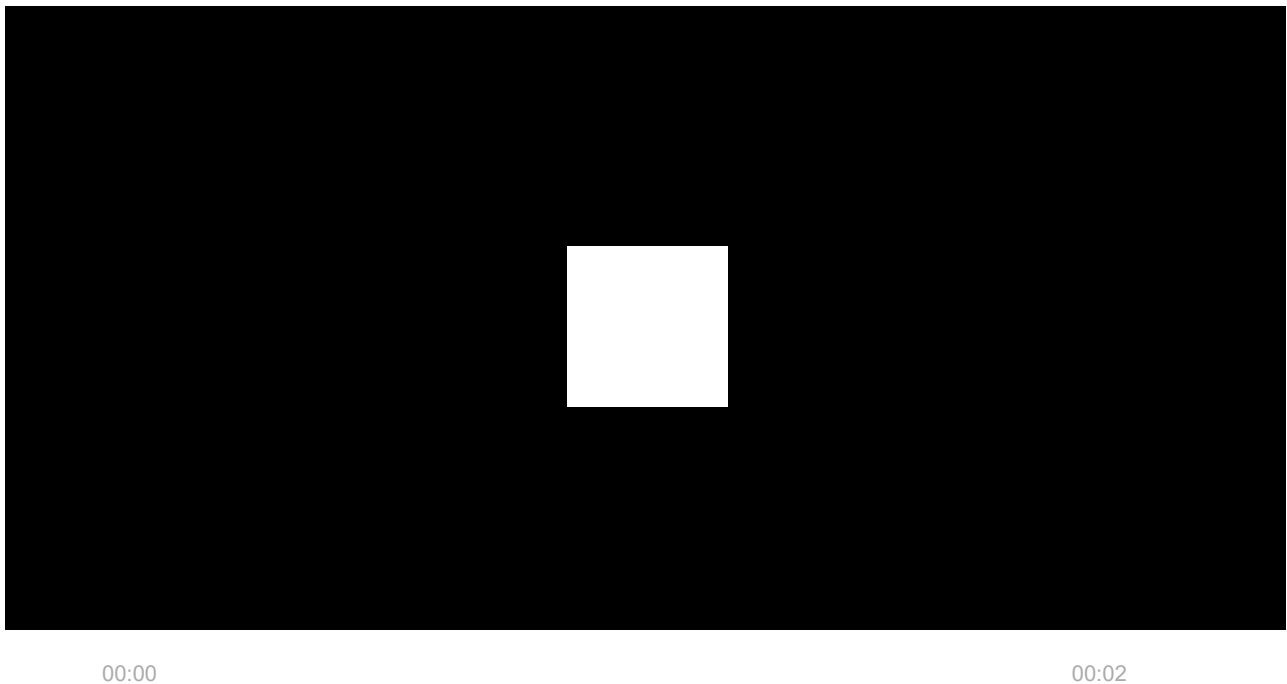
Tamper button reacts to opening and closing of the enclosure, regardless of the armed mode of the device or system, the accelerometer reacts to an attempt to displace or dismantle the device.

Setting the response to pressing the panic button in the Ajax apps

You can configure the siren response to alarm when the panic button is pressed in the Ajax apps. To do this, follow these steps:

1. Open the Ajax app.
2. Go to the **Devices**  tab.
3. Select the hub and go to its **Settings** .
4. Select the **Service** menu.
5. Go to the **section Sounds and Alerts**.
6. **Enable the If in-app panic button is pressed** toggle.

Setting the siren after-alarm indication



The siren can inform about triggering in the armed system by means of LED indication.

The option functions as follows:

1. The system registers the alarm.
2. The siren plays an alarm signal. The duration and volume of the signal depend on the device settings.
3. The siren LED and external LED (if connected) flashes twice (once every 3 seconds) until the system is disarmed.

Thanks to this feature, system users and security companies patrols can understand that the alarm has occurred.



The siren after-alarm indication does not work for always active detectors, if the detector was triggered when the system was disarmed.

To enable the siren after-alarm indication, in Ajax PRO app:

1. Go to siren settings:

- Hub → Settings ⚙️ → Service → LED Indication.

2. Specify which events the sirens will inform about by double blinking of the LED indicator before the system is disarmed:

- Confirmed intrusion/hold-up alarm.
- Single intrusion/hold-up alarm.
- Lid Opening.

3. Select the required sirens in the **Devices**  menu. Click Back to save the parameters.

4. Click **Back**. All values will be applied.

How to set Chime

If **Chime on opening** is enabled, the sirens notify you with a short beep if the opening detectors are triggered when the system is disarmed. The feature is used, for example, in stores, to notify employees that someone has entered the building.

Notifications are configured in two stages: setting up sirens and setting up opening detectors. [This article](#) provides more information about **Chime** and how to set up the siren and detector.

Indication



Event	Indication	Note
Alarm	Emits an acoustic signal and all LED signaling ceases.	The duration and volume of the sound signal depend on the siren settings.
An alarm was detected in the armed system (if after-alarm indication is enabled)	The siren LED and external LED (if connected) blinks twice approximately every 3 seconds until the system is disarmed.	The indication turns on after the siren has completely played the alarm signal.
Switching on the device	LED lights up once.	
Switching off the device	LED lights up for 1 second, then blink three times.	
Registration failed	LED lights up and goes out, then the siren switches off.	
The system is armed	Flashes once with a LED and emits a short beep.	If Beep on Armed Mode Change and LED Indication are enabled. The volume of the sound signal depends on the Beep Volume settings.
Security system is disarmed	Flashes twice with a LED and emits two short beeps.	If Beep on Armed Mode Change and LED Indication are enabled. The volume of the sound signal depends on the Beep Volume settings.
Siren in the armed mode	LED lights up for a short time every 3 seconds.	If LED Indication is configured in Armed mode.
Battery low	LED smoothly lights up and goes out when the system is armed or disarmed (if the indication is activated), the tamper is actuated or alarm is given.	

Functionality testing

The Ajax system offers several types of tests to help select the correct installation place for the devices. Tests do not start immediately. However, the waiting time does not exceed the duration of one “hub—device” polling interval. Polling interval can be checked and configured at hub settings (**Hub** → **Settings** ⚙️ → **Jeweller** or **Jeweller/Fibra**).

To run a test, in the Ajax app:

1. Select the required hub.
2. Go to the **Devices** 📱 tab.
3. Select **HomeSiren S** from the list.
4. Go to **Settings** ⚙️.
5. Select a test:
 1. Jeweller Signal Strength Test.
 2. Volume Test.
 3. Signal Attenuation Test.
6. Run the test.

Device placement



The device is designed for indoor use only.

When choosing where to place **HomeSiren S**, consider the parameters that affect its operation:

- Jeweller signal strength.
- Distance between the siren and the hub or range extender.

- Presence of obstacles for radio signal and sound transmission: walls, interfloor ceilings, large objects located in the room.

Consider the recommendations for placement when developing a project for the security system of the facility. The security system must be designed and installed by specialists. A list of recommended partners is [available here](#).

Recommended installation height — 2.5 meters and more. This will complicate the access to the device for intruders in case of intrusion.

Signal strength

The Jeweller signal strength is determined by the number of undelivered or corrupted data packages over a certain period of time. The icon  on the **Devices**  tab indicates the signal strength:

- **Three bars** — excellent signal strength.
- **Two bars** — good signal strength.
- **One bar** — low signal strength, stable operation is not guaranteed.
- **Crossed out icon** — no signal.



Check the Jeweller signal strength before final installation. With a signal strength of one or zero bars, we do not guarantee stable operation of the device. Consider to relocate the device as repositioning even by 20 cm can significantly improve the signal strength. If there is still poor or unstable signal after the relocation, use a [radio signal range extender](#).

Do not install the siren

1. Outdoors. This can lead to siren failure.
2. In places where the acoustic signal can be attenuated (inside furniture, behind thick curtains, etc.).
3. Nearby any metal objects or mirrors causing attenuation and screening of the signal.

4. Inside premises with temperature and humidity outside the permissible limits. This could damage the siren.
5. Closer than 1 meter from the hub or radio signal range extender. This can lead to a loss of communication with the siren.
6. In a place with a low signal level. This may result in the loss of the connection with the hub.

Installation



Before installing **HomeSiren S**, ensure that you have selected the optimal location that complies with the requirements of this manual.

To mount a siren:

1. Remove the SmartBracket mounting panel from the siren by turning it counterclockwise. Unscrew the holding screw first.
2. Fix the SmartBracket panel using double-sided tape to the selected installation spot.



Double-sided tape can only be used for temporary installation. The device attached by the tape may come unstuck from the surface at any time. As long as the device is taped, the tamper will not be triggered when the device is detached from the surface.

3. Place the siren on SmartBracket and turn it clockwise. The device LED indicator will flash. It is a signal indicating that the tamper on the siren is closed.



If the LED indicator doesn't light up during placing the siren on SmartBracket, check the tamper status in the Ajax app, the integrity of the fastening, and the tightness of the siren fixation on the panel.

4. Run the Jeweller signal strength test. The recommended signal strength is two or three bars. If the signal strength is low (a single bar), we do not guarantee stable operation of the device. Consider relocating the device as repositioning even by 20 cm can significantly improve the signal strength. If there is still poor or unstable signal after the relocation, use a radio signal range extender.
5. Run the Volume Test.
6. Run Signal Attenuation Test. During the test, the signal strength is artificially reduced and increased to simulate different conditions at the installation location. If the installation spot is chosen correctly, the siren will have a stable signal strength of 2–3 bars.
7. If the tests are passed successfully, remove the siren from SmartBracket.
8. Fix the SmartBracket panel on the surface using bundled screws.



When using other fasteners, ensure they do not damage or deform the panel. To make mounting easier, you can pre-drill the screw holes while the mount is still secured with double-sided tape.

9. Place the siren on the SmartBracket mounting panel.
10. Tighten the holding screw on the bottom of the siren's enclosure. The screw is needed for more reliable fastening and protection of the siren from quick dismantling.

External LED connection

An external LED can be connected to **HomeSiren S**. It works in parallel with the built-in LED of the device and fully replicates its signals.

For connection, use the socket on the rear side of the siren body and observe the polarity during the connection. Black terminal wire — “+” contact.

Outlet power supply: 3 V_{DC}, 10 mA.

Maintenance

Check the functioning of the siren regularly. The optimal frequency of checks is once every three months. Clean the device enclosure of dust, cobwebs, and other contaminants as they emerge. Use a soft dry wipes suitable for equipment care.

Do not use substances that contain alcohol, acetone, petrol, and other active solvents to clean the siren.

The batteries installed in the siren ensure up to 5 years of autonomous operation (with the inquiry frequency by the hub of 1 minute) or at least 6 hours of the buzzer sound.

If the battery is discharged, the security system will send an early warning about replacing the batteries. When the armed mode is activated, the LED will slowly light up green and go out.

How to replace batteries

Technical specifications

All technical specifications of HomeSiren S Jeweller

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

Manufactured by "AS Manufacturing" LLC

Abonnieren Sie den Newsletter zum Thema sicheres Leben.
Kein Spam

Email

Abonnieren