

# HomeSiren Jeweller user manual

Updated April 26, 2025



**HomeSiren Jeweller** is a wireless home siren with the capacity up to 100 dB. Developed only for indoor use. It can be quickly installed and set up, is furnished with a LED (plus allows connecting an external LED), and can operate up to 5 years from a battery.

HomeSiren operates within the Ajax system, by connecting via the protected Jeweller protocol to the hub. The communication range is up to 2,000 meters if there are no obstacles.

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# Operating Principle

0:00 / 0:12

The siren significantly improves the efficiency of the security system, being the most operational means of response to the intrusion into a room. With a high probability, its alarm signal will be sufficient to frighten away the intruders.

The device is furnished with a loud buzzer – the sound of the siren can be heard from far. Subject to correct installation, it would be hard to dismount and deactivate the actuated siren: the body is firm, the power supply is autonomous, and the on/off button will be blocked when the security system is set in the guard mode.

## Connecting the Siren to the hub



The HomeSiren siren operates only with the Ajax system. Up to 10 sirens or keypads with a built-in siren may be connected to the Ajax hub.

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2. Go to the Ajax application.
3. Switch on the hub and check the internet connection (via Ethernet cable and/or GSM network).
4. Ensure that the hub is disarmed and does not start updates by checking its status in the mobile application.



Only users with administrative privileges can add the device to the hub

## How to connect the siren to the hub:

1. Select the **Add Device** option in the Ajax application.
2. Name the device, scan/write manually the **QR Code** (located on the body and packaging), and select the location room.



3. Select **Add** – the countdown will begin.

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For the detection and interfacing to occur, the siren should be located within the coverage area of the wireless network of the hub (at a single protected object). If the device was already assigned to another hub, switch off HomeSiren and then perform the standard adding procedure.

Request for connection to the hub is transmitted for a short time at the time of switching on the device.

If the connection to the Ajax hub failed, the siren will switch off after 6 seconds. You may repeat the connection attempt then. To retry the connection, you do not need to turn off the device.

The siren connected to the hub will appear in the list of devices of the hub in the application. Update of the siren statuses in the list depends on the device inquiry time set in the hub settings, with the default value – 36 seconds.

## States

Siren states can be found in the Ajax app:

1. Go to the **Devices**  tab.

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	<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="#"><u>Learn more</u></a></p>
Temperature	<p>Temperature of the device. Measured on the processor and changes gradually.</p> <p>Acceptable error between the value in the app and the room temperature – 2°C.</p> <p>The value is updated as soon as the detector identifies a temperature change of at least 2°C.</p> <p>You can configure a scenario by temperature to control automation devices</p> <p><a href="#"><u>Learn more</u></a></p>
Jeweller Signal Strength	<p>Signal strength between the hub/range extender and siren.</p> <p>We recommend installing the siren in places with the signal strength of 2-3 bars</p>
Connection	<p>Connection status between the hub/range extender and siren:</p> <ul style="list-style-type: none"> <li>• <b>Online</b> – the siren is connected to the hub/range extender</li> <li>• <b>Offline</b> – the siren is not connected to the hub/range extender</li> </ul>

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	<a href="#">Learn more</a>
ReX range extender name	Displayed if the siren is working via a <a href="#">radio signal range extender</a>
Battery Charge	<p>Battery level of the device. Two states available:</p> <ul style="list-style-type: none"> <li>• OK</li> <li>• Battery discharged</li> </ul> <p><a href="#">How battery charge is displayed in Ajax apps</a></p>
Lid	The tamper mode of the device, which reacts to the detachment of or damage to the body
Alarm Volume	<p>Volume level in case of alarm</p> <ul style="list-style-type: none"> <li>• <b>Muted</b> – the siren does not sound when the alarm is raised</li> <li>• <b>Quiet</b> – 80 dB volume</li> <li>• <b>Loud</b> – 93 dB volume</li> <li>• <b>Very loud</b> – 100 dB volume</li> </ul> <p>The volume level is measured 1 m away from the siren</p>
	Duration of the audible alarm: from 3 seconds

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	<ul style="list-style-type: none"> <li>• <b>Off</b> – LED indication is off</li> <li>• <b>Armed</b> – the siren blinks only when alarm is enabled</li> <li>• <b>Always</b> – the siren blinks regardless of the state of the security system</li> </ul> <p><b><u>More about indication</u></b></p>
Beeps Settings	Shows the siren beeps settings.
Beep When Arming/Disarming	If active, the siren notifies you about the activation and deactivation the system of the guard mode by the LED and a short sound signal
Notify about switching the Night mode on/off	When enabled, the siren notifies you when the system is on and off the Night mode by flashing the LED and making a short beep
Beep on Entry/Exit delay	If activated, siren will beep delays (available in devices with <b>firmware version 3.51.0 and later</b> )
Notify about the entry/exit delay in the Night mode	If this option is enabled, the siren beeps to signal about an entry/exit delay in the Night mode
Chime on opening	When enabled, a siren notifies about opening detectors triggering in the Disarmed system mode
	<b><u>What is chime</u></b>
	Displayed if the notifications about

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Device ID	Device identifier
Device No.	Number of the device loop (zone)

## Settings

To change the HomeSiren settings in the Ajax app:

1. Select the hub if you have several of them or if you are using the PRO app.
2. Go to the **Devices**  tab.
3. Select **HomeSiren** in the list.
4. Go to **Settings** by clicking on the .
5. Set the required parameters.
6. Click **Back** to save the new settings.

Setting	Value
First field	<p>Siren name that can be edited. The name of device you can see at notifications in the event feed.</p> <p>The name can contain up to 12 Cyrillic characters or up to 24 Latin symbols</p>

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- **Only when armed** – an audible alarm is activated only if the system or the group to which a siren is assigned is armed.



Setting is available for hubs with the firmware version [OS Malevich 2.16](#) or later.

## Alarms in Group Mode

Selecting the group to which the siren is assigned. You can select one or all groups:

- **When assigned to a group**, the siren and its indication are related to alarms and events of this group
- **When attached to all groups**, the siren and its indication are related to alarms and events of all groups in the system

Regardless of the group selected, the siren will respond to [Night Mode](#) activation and alarms

### [Learn more](#)

Volume level in case of alarm:

- **Muted** – the siren does not sound when the alarm is raised

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Alarm Duration	<p>Duration of the audible alarm: from 3 seconds to 3 or 15 minutes.</p> <p>Sets in increments of 3 seconds.</p> <p><b>Alarm duration of more than 3 minutes is available only for HomeSiren Jeweller with firmware version NA 5.60.4.14 or higher.</b></p>
LED indication	<p>LED indication of the siren settings:</p> <ul style="list-style-type: none"> <li>• <b>Disabled</b> – LED indication is off</li> <li>• <b>Armed</b> – LED blinks once every 2 seconds only when the system is armed</li> <li>• <b>Constantly</b> – LED blinks once every 2 seconds regardless of the mode state</li> </ul> <p><b><u>More about indication</u></b></p>
Beeps Settings	<p>Opens the siren notification settings. A detailed description of the settings is <b><u>available below</u></b></p>
Volume Test	<p>Switches the device to the volume test mode</p> <p><b><u>What is Volume Level Test</u></b></p>
	<p>Switching the siren to the Jeweller signal strength test mode. The test allows you to check the signal level between the hub and HomeSiren and determine the optimal installation location</p>

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	<u>What is Attenuation Test</u>
User Guide	Opens the HomeSiren User Manual
Permanent Deactivation	<p>Allows the user to disconnect the device without removing it from the system.</p> <p>Three options are available:</p> <ul style="list-style-type: none"> <li>• <b>No</b> – the device operates normally and transmits all events</li> <li>• <b>Entirely</b> – the device will not execute system commands or participate in automation scenarios, and the system will ignore device alarms and other notifications</li> <li>• <b>Lid only</b> – the system will ignore only notifications about the triggering of the device tamper button</li> </ul> <p><u><a href="#">Learn more about permanent deactivation of devices</a></u></p>
Unpair Device	Disconnects the siren from the hub and deletes its settings

## Siren beep settings

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<p>Night mode Activation/Deactivation</p>	<p>If enabled, the siren alerts you by backlighting the LED frame and a short beep when arming and disarming the system from the Night mode</p> <p><b><u>What is Night mode</u></b></p>
<p>Mute the device when code on keypad is being entered</p>	<div data-bbox="834 501 1401 806" style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;">  Available for HomeSiren Jeweller with firmware versions from 5.60.4.0 to 6.0.0.0 and from 6.56.3.37 or later, operating with hubs with <a href="#">OS Malevich 2.19</a> or higher.         </div> <p>Mutes the announcement beeps once the user starts to enter a passcode on the keypad. This feature allows users to focus on the system disarming.</p>
<p><b>Beep on delays</b></p> <div data-bbox="222 1283 1401 1415" style="border: 1px solid black; border-radius: 10px; padding: 10px; margin: 10px auto; width: 80%;">  Available for HomeSiren Jeweller with firmware versions 3.51.0.0 or later.         </div>	
	<p>If this option is enabled, the siren beeps to signal about an entry delay</p>

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	<p><b><u>What is Delay When Entering/Leaving</u></b></p>
Entry Delays in Night Mode	<p>If this option is enabled, the siren beeps to signal about an entry delay in the Night mode</p> <p><b><u>What is Night mode</u></b> <b><u>What is Delay When Entering/Leaving</u></b></p>
Exit Delays in Night Mode	<p>If this option is enabled, the siren beeps to signal about an exit delay in the Night mode</p> <p><b><u>What is Night mode</u></b> <b><u>What is Delay When Entering/Leaving</u></b></p>
<b>Fast beep on delays</b>	
Fast beep on Entry delay expiration	<div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;">  Available for HomeSiren Jeweller with firmware versions from 5.60.4.0 to 6.0.0.0 and from 6.56.3.37 or higher, operating with hubs with <a href="#">OS Malevich 2.19</a> or later. </div> <p>Notifies the user that the <b>Delay When Entering</b> time is running out. There are 4</p>

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	<ul style="list-style-type: none"> <li>• <b>Last 15 seconds</b></li> </ul>
<p>Fast beep on Exit delay expiration</p>	<div data-bbox="834 275 1401 579" style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;">  <p>Available for HomeSiren Jeweller with firmware versions from 5.60.4.0 to 6.0.0.0 and from 6.56.3.37 or higher, operating with hubs with <a href="#">OS Malevich 2.19</a> or later.</p> </div> <p>Notifies the user that the <b>Delay When Leaving</b> time is running out. There are 4 options to choose from when the fast beep should start:</p> <ul style="list-style-type: none"> <li>• <b>Never</b></li> <li>• <b>Last 5 seconds</b></li> <li>• <b>Last 10 seconds</b></li> <li>• <b>Last 15 seconds</b></li> </ul>
<p><b>Beep when disarmed</b></p>	
<p>Chime on opening</p>	<p>When enabled, the siren beeps 1 to 4 times to indicate that opening detectors in the Disarmed system mode were triggered</p> <p><b><u>What is Chime</u></b>  <b><u>How to set up Chime</u></b></p>

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- **Very loud** – 100 dB volume

The volume level was measured 1 m away from the siren

## Setting up the processing of detector alarms

Through the Ajax app, you can configure which detector alarms can activate the siren. This can help to avoid situations when the security system notifies of LeaksProtect detector alarm or any other device alarm. The parameter is adjusted in the detector or device settings:

1. Sign in to the Ajax app.
2. Go to the **Devices**  menu.
3. Select the detector or device.
4. Go to its settings  and set the necessary parameters for activating the siren.

## Setting the tamper alarm response

The siren can respond to the tamper alarm of devices and detectors. The option is disabled by default. Note that the tamper reacts to the opening and closing of the body even if the system is not armed!

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3. Select the **Service** menu.
4. Go to **Sounds and Alerts**.
5. Enable the **Alert with a siren if the hub or detector lid is open** option.

## Setting the response to pressing the panic button in the Ajax app

The siren can respond to pressing the panic button in Ajax apps. Note that the panic button can be pressed even if the system is disarmed!

### For the siren to respond to pressing the panic button:

1. Go to the **Devices**  menu.
2. Select the hub and go to its settings .
3. Select the **Service** menu.
4. Go to **Sounds and Alerts**.
5. Enable the **Alert with a siren if in-app panic button is pressed** option.

## Setting the siren after-alarm indication



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The siren can inform about triggerings 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 (duration and volume depend on settings).
3. The siren LED and external LED (if connected) blinks twice (about 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 → Sounds and Alerts.

2. Specify what events the sirens will inform about by double blinking before the security system is disarmed:

- Confirmed alarm

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



HomeSiren with firmware 5.55.2 and later supports this function.

## Setting specific alerts on Alarm Cancellation and Alarm Abort



Selecting devices to alert on Alarm Cancellation and Alarm Abort is only available in [Ajax PRO apps](#). Settings are available for hubs with firmware version [OS Malevich 2.19](#) or higher.

You can select which devices should beep if the alarm is cancelled and which should beep if the alarm is aborted in the hub settings in PRO apps. The **Alarm Cancellation Annunciation** and **Alarm Abort Annunciation** features are required for systems that should comply with ANSI/SIA CP-01-2019 standard.

To select the devices to annunciate on alarm cancellation and alarm abort in the Ajax PRO app:

1. Select the required hub and go to:

- Settings  → Service → Arming/Disarming Process

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Features are available for HomeSiren Jeweller with firmware versions from 5.60.4.0 to 6.0.0.0 and from 6.56.3.37 or higher.

## How to set Chime

Chime is a sound signal that indicates 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.

Notifications are configured in two stages: setting up sirens and setting up opening detectors.

### [Learn more about Chime](#)



HomeSiren with firmware 5.55.1.0 and later supports this function.

### Siren settings

1. Go to the **Devices**  menu.
2. Select the siren.
3. Go to its settings by clicking the gear icon  in the upper right corner.
4. Go to the **Beeps Settings** menu.

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- Very loud (100 dB at a distance of 1 m).



The specified **Beep volume** also applies to the volume of siren notifications when arming/disarming and for the entry/exit delays.

7. Click **Back** to save the settings.
8. Repeat steps 2–7 for other sirens on which you want to enable the notifications.

### Detectors settings

1. Go to the **Devices**  menu.
2. Select the detector.
3. Go to its settings by clicking the gear icon  in the upper right corner.
4. Go to the **Chime Settings** menu.
5. Select the events to be notified by the siren:
  - If a door or a window is open.
  - If an external contact is open (available if the External Contact option is enabled).
6. Select the chime sound (siren tone): 1 to 4 short beeps. Once selected, the Ajax app will play the sound.
7. Click **Back** to save the settings.

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Event	Indication
Alarm	Emits an acoustic signal (the duration depends on the settings) and all LED signaling ceases
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 configured in settings
Switching on the device	LED lights up once
Switching off the device	LED will light up for 1 second, then blink three times
Registration failed	LED lights up and goes out, then the siren switches off
Security system set in the armed mode (if the indication is activated)	Blinks once with a LED and emits a short sound signal
Security system is disarmed (if the indication is activated)	Blinks twice with a LED and emits two short sound signals
Siren in the armed mode (if the indication is activated)	LED lights up for a short time every 3 seconds

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# Performance testing

The Ajax system allows conducting tests for checking the functionality of connected devices.

The tests do not start straight away but within a period of 36 seconds when using the standard settings. The test time start depends on the settings of the devices scanning period (the paragraph on “**Jeweller**” settings in hub settings).

## Volume Level Test

## Jeweller Signal Strength Test

## Attenuation Test

# Installing the Siren

Location of the HomeSiren determines its remoteness from the hub and presence of any obstacles between the devices, hindering the radio signal and sound transmission: walls, inserted floors, large-size objects located within the room.



The device developed only for indoor use.

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If the signal level is one division, we cannot guarantee stable operation of the security system. Take possible measures to improve the quality of the signal! As a minimum, move the device – even 20 cm shift can significantly improve the quality of reception.

If after moving the device still has a low or unstable signal strength, use a [radio signal range extender](#).

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

## Installation process

1. Fix the SmartBracket panel on the surface using bundled screws. After selecting other attachment hardware, make sure that they do not damage or deform the panel.



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If the light indicator of the siren is not actuated after installation in SmartBracket, check the tamper mode in the Ajax Security System application and then the fixing tightness of the device on the panel.

In case of any attempt to dismount the siren, you will receive the notification.

### **Do not install the siren:**

1. outside the premises (outdoors)
2. in places where the acoustic signal will be attenuated (inside furniture, behind thick curtains, etc.)
3. nearby any metal objects or mirrors causing attenuation and screening of the signal
4. within any premises with the temperature and humidity beyond the range of permissible limits
5. closer than 1 m from the hub.

## **External LED connection**

The outside-mounted LED connected to the HomeSiren is paralleled with the built-in LED of the device and completely repeats its indication.

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

**Outlet power supply:** 3 V, 10 mA.

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Do not use for cleaning the siren any substances containing alcohol, acetone, gasoline and other active solvents.

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 respective notices and the LED will smoothly light up and goes out when the armed mode is activated.

[How long Ajax devices operate on batteries, and what affects this](#)

[Battery Replacement](#)

## Technical specifications

[All technical specifications of HomeSiren Jeweller](#)

[Compliance with standards](#)

## Complete Set

1. HomeSiren
2. SmartBracket mounting panel
3. Battery CR123A (pre-installed) – 2 pcs
4. LED connection clamp

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Warranty for the Limited Liability Company “Ajax Systems Manufacturing” products is valid for 2 years after the purchase and does not apply to the pre-installed battery.

If the device does not work correctly, you should first contact the support service – in half of the cases, technical issues can be solved remotely!

[The full text of the warranty](#)

[User Agreement](#)

### Contact Technical Support:

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

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