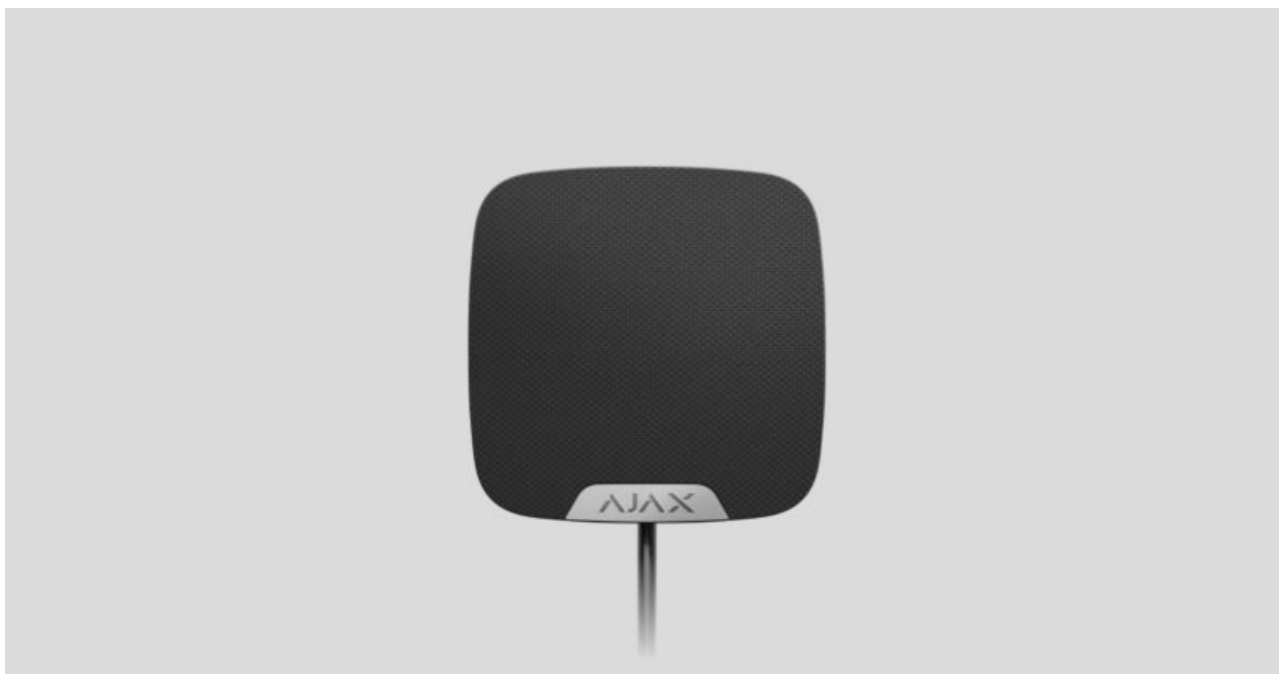


# HomeSiren Fibra User Manual

Updated December 8, 2021



**HomeSiren Fibra** is a wired alerting device of the Ajax security system with a sound volume of up to 105 dB. Supports connection of an external LED. Intended for indoor installation only.



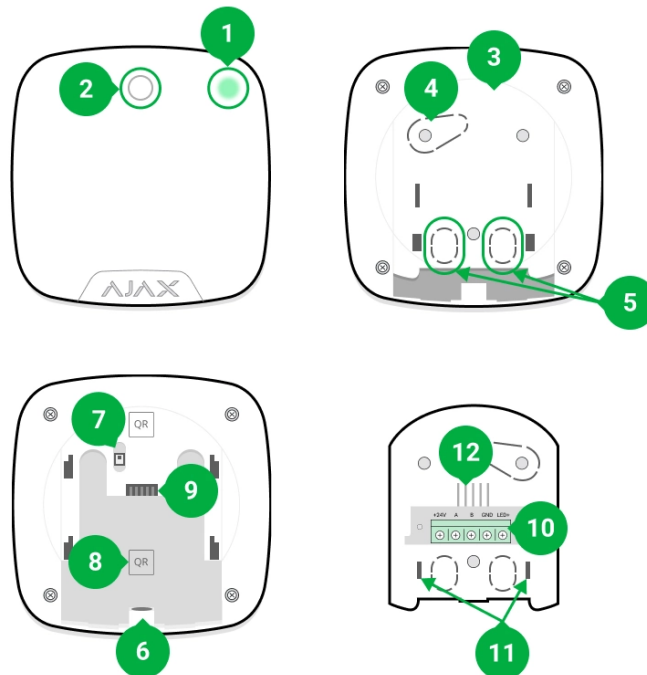
The siren is compatible with Hub Hybrid (2G) and Hub Hybrid (4G). Connection to other [hubs](#), [radio signal range extenders](#), [ocBridge Plus](#) and [uartBridge](#) is not supported. Integration with other security systems is not provided.

HomeSiren Fibra only works as a part of the Ajax security system, communicating with the hub via the secure Fibra protocol. The wired connection range is up to 2000 meters when connected via the twisted pair U/UTP cat.5.

HomeSiren Fibra is the device of the new Fibra wired product line. Such devices can only be purchased, installed and administered by accredited Ajax partners.

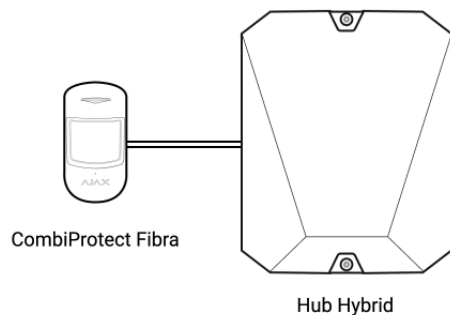
[Buy HomeSiren Fibra](#)

# Functional elements



1. LED indicator.
2. Siren buzzer, located behind the metal net.
3. SmartBracket mounting panel. To remove it, slide the panel down.
4. Perforated part of the mounting panel. Necessary for tamper triggering in case of any attempt to detach the siren from the surface. Do not break it off.
5. Perforated part for wire output.
6. The hole for attaching the SmartBracket mounting panel with a screw.
7. Tamper button. Triggers when an attempt is made to detach the siren from the surface or remove the mounting panel.
8. Siren QR Code. Used to connect to the Ajax security system.
9. Terminal block for connecting the siren.
10. A hole for fixing the wires with ties.

## Operating principle



HomeSiren Fibra is a wired indoor siren.

The volume and duration of the siren can be set in the app. In case of an alarm, the buzzer can work for 3 to 180 seconds with a sound volume of 81 to 105 dB. In the Ajax app you can define which specific detectors will activate the siren.

HomeSiren Fibra performs two tasks:

- 1. Informs about an alarm.** The siren responds to tamper and security system alarms in less than a second. It is loud enough to scare away intruders and attract the neighbors' attention.
- 2. Serves as a security status indicator.** The siren can use LEDs to notify that the object is armed. It can also indicate delays when entering/leaving with sound. These features can be useful when controlling the security system using SpaceControl or KeyPad. The siren will remind you to disarm the system when you enter the object.

If properly installed, it is not easy to demount and disable a triggered siren. The device has a robust body and a protected buzzer. For additional protection, the siren is equipped with a tamper button. It triggers when the body is opened.

### How to install HomeSiren Fibra correctly

## Fibra data transfer protocol

The siren uses Fibra technology to transmit alarms and events. This is a two-way wired data transfer protocol that provides fast and reliable communication between the hub and the rest of the devices. Using the bus connection method,

Fibra delivers alarms and events instantly, even if 100 detectors are connected to the system.

Fibra supports floating key block encryption and verifies each communication session with devices to prevent sabotage and forgery. The protocol requires regular polling of sirens and detectors by the hub with a predetermined frequency to monitor connection and display the status of the system devices in real time in the Ajax apps.

[More about Fibra protocol](#)

## Sending events to the monitoring station

The Ajax security system can transmit alarms to the [PRO Desktop](#), monitoring app as well as the central monitoring station (CMS) in the formats of the **Sur-Gard protocol (Contact ID)**, **SIA (DC-09)**, and other proprietary protocols. A complete list of supported protocols is [available here](#).

### Which CMSs can the Ajax security system be connected to?

**HomeSiren Fibra can transmit the following events:**

1. Tamper alarm / recovery.
2. Loss / restoration of connection to the hub.
3. Temporary deactivation / activation of the siren.

When an alarm is received, the operator of the security company monitoring station knows exactly what happened and precisely where to send a fast response team on the site. Addressability of each Ajax device allows you to send not only events to the PRO Desktop or to the CMS but also the type of the device, the name of the device, and the virtual room to which the detector is assigned. Note that the list of transmitted parameters may differ depending on the type of CMS and the selected protocol for communication with the monitoring station.



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

# Detector placement

When choosing where to place HomeSiren Fibra, consider the parameters that affect the correct operation of the siren: Fibra signal strength, audibility of the siren, visibility of LED indication, and the length of the connection cable.

The recommended installation height is **2.5 meters or more**. This will make it harder for intruders to access the device in case of an attempted sabotage. If the siren cannot be placed at this height, it can be installed lower.

Consider the audibility of the siren as well as the visibility of its LED indication as this determines the device performance. Therefore, don't install the siren in places where its sound can be muffled. For example, inside a closet or behind thick curtains.

Consider the placement recommendations when designing your facility's security system. Design and installation of the security system should be carried out by professionals. A list of authorized official Ajax partners is [available here](#).

## Design and preparation

For the system to work correctly, it is important to properly design the project and install all devices correctly. Failure to follow the basic installation rules and recommendations of this manual may result in detector malfunction, false alarms, or loss of connection with already installed devices.

When designing the layout scheme of the detectors, consider the wiring diagram of the power cables laid on the site. Signal cables must be laid at a distance of at least 50 cm from the power cables when lying parallel, and, if they intersect, it must be at a 90° angle. Note that, if you connect multiple devices on the same bus, detectors are connected in sequence.



The maximum number of connectable devices for the Hub Hybrid is 100 at the default settings.

How to calculate the number of connectable detectors

For facilities that are under construction or renovation, cables are laid after the main wiring of the facility. Use protective tubes to route system cables to organize and secure the wires; ties, clips, and staples can be used to secure them.

When laying wires externally (without mounting them inside the walls), use an electric channel raceway. Raceways should be no more than half-filled with cables. Do not allow cables and wires to sag. The raceway should be hidden from view if possible – for example, behind furniture.





We recommend laying cables inside walls, floors, and ceilings. This will provide greater security: the wires will not be visible, and it will be impossible for an intruder to access them.

When selecting a cable, consider the length of the connection lines and the number of detectors to be connected; these parameters affect the signal strength. We recommend using shielded copper cables with a high-quality insulation layer.

When installing, observe the bend radius that the manufacturer specifies in the cable specs. Otherwise, you risk damaging or breaking the conductor.

Be sure to check all cables for bends and physical damage before installation. Perform the installation in a way that minimizes the possibility of damage to the cables from the outside.

## Signal strength and wire length

The Fibra signal level is determined by the number of undelivered or corrupted data packages over a certain period. 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.

The signal strength is influenced by the following factors: the number of devices connected to one bus, the length and type of cable, and the proper connection of the wires to terminals.



Check the Fibra signal strength before final installation of the siren. If the signal strength is as low as one or zero bars, we cannot guarantee stable operation of the device.

The maximum permissible cable length depends on its type, material, and the method of connecting the devices. When connected using the **Star connection method** with a twisted pair U/UTP cat.5 (4×2×0.51), the wired connection length can be up to 2,000 meters.

When devices are connected using the **Ring connection method**, the maximum cable length is 500 meters when using a twisted pair.

### How to calculate the wire connection length



Connecting devices using the **Ring connection method** will be available with future OS Malevich updates. Hardware update of Hub Hybrid won't be required.

[How OS Malevich updates](#)

## Do not install the siren:

1. In places where the audio signal of the siren can be jammed. For example, inside a closet or behind thick curtains.
2. Outdoors. This could damage the siren.
3. Inside premises with temperature and humidity outside the permissible limits. This could damage the siren.
4. Near the glass break detectors. This can lead to false alarms of the break detectors.

## Installation and connection



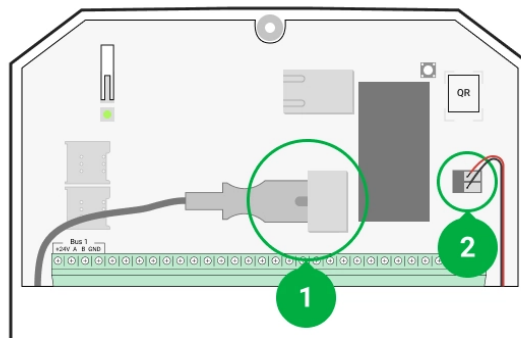
Before installing HomeSiren Fibra, make sure that you have selected the optimal location and that it meets the conditions of this manual. Wires must be hidden from view and located in a place that is difficult for intruders to access to reduce the likelihood of sabotage.

Ideally, the wires should be set into the walls, floor, or ceiling. Before the final installation, test the volume level and the Fibra signal strength.

When connecting, do not twist the wires together; solder them. The ends of the wires that will be inserted into the siren terminals should be tinned or crimped with a special sleeve. This will ensure a reliable connection. **Follow safety procedures and regulations for electrical installation work.**

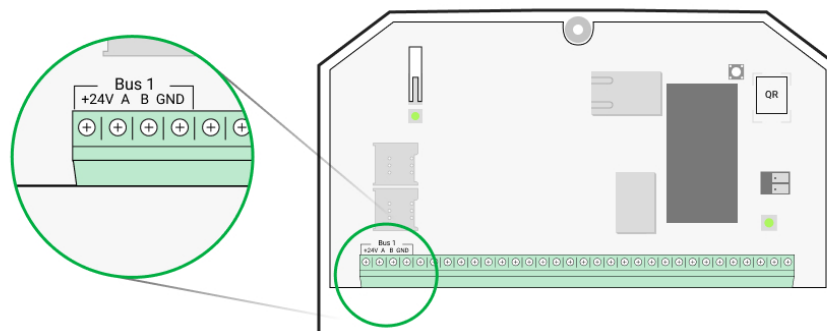
In order to install a siren:

1. Disconnect the external power and the hub backup battery.



- 1 – External power supply
- 2 – Backup battery

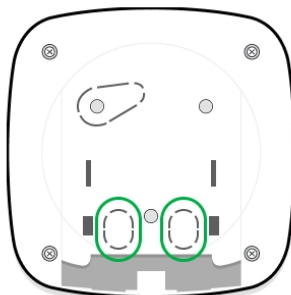
2. Run the siren connection cable into the hub body and connect the wires to the bus.



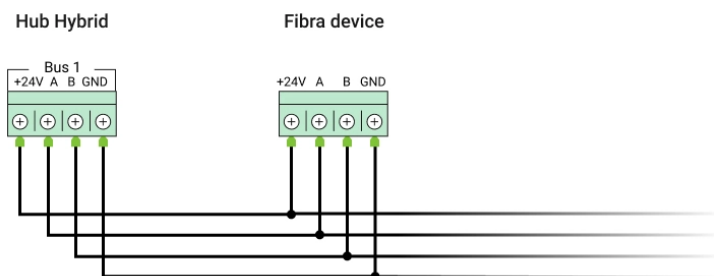


**+24V** – power supply input  
**A, B** – signal terminals  
**GND** – ground

3. Remove the SmartBracket mounting panel from the siren body and carefully break out the perforated part to lead the cable out.



4. Run the cable from the hub into the siren body through the hole made.
5. Connect the wires to the terminals according to the scheme below. Follow the polarity and connection order of the wires. Securely fasten the wires to the terminals and secure the cable with ties.



**+24V** – power supply input  
**A, B** – signal terminals  
**GND** – ground

6. If the siren is not the last device in the line, prepare and wire the cable for the next device into the HomeSiren Fibra terminals in advance.
7. If the siren is the last device in the line, install a terminating resistor at the end of the connecting line with the **Star connection topology**. With the **Ring connection topology**, a termination resistor is not required.



We recommend connecting devices via the **Ring connection method** (hub – detector – hub), because, if the line is broken, the devices will be connected via the **Star connection method** and will continue to transmit events to the hub. Notification about the **Ring** failure will be sent to users and the security company.



8. Temporarily secure the SmartBracket mounting panel to a vertical surface using double-sided tape or other temporary fasteners at the chosen installation place. The recommended installation height is 2.5 meters or more.
9. Turn on the hub to supply the connected siren with power. When power is applied, the siren's LED will notify that the device is turned on.
10. Add HomeSiren Fibra to the system.
11. Conduct the signal strength test. The recommended signal strength value is two or three bars. Otherwise, check the connection and the condition of the wire.
12. Conduct the Volume level test. If the siren is hard to hear, change the volume or move the device.
13. Attach the SmartBracket mounting panel with bundled screws. When using other fasteners, make sure they do not damage or deform the mounting panel.



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 detector is detached from the surface.

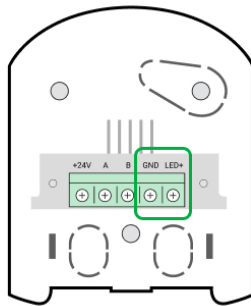
14. Place the siren on the SmartBracket mounting panel and fix it with a screw.

## Connecting an external LED

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

### In order to connect an LED:

1. Disconnect the external power and the hub backup battery.
2. Remove the SmartBracket mounting panel from the siren body and lead the LED wire into the hole for cable output.
3. Connect the LED to the HomeSiren Fibra terminals.



4. Put on the SmartBracket mounting panel, fix the siren with a screw.
5. Connect the hub power supply and check the operation of the LED connected.

## Adding to the system



The siren is only compatible with Hub Hybrid (2G) and Hub Hybrid (4G). Adding and configuring Fibra devices is only possible through the Ajax PRO app by a user with administrator rights.

[Types of accounts and their rights](#)


## Before adding a device

1. Install the PRO version of the app. Log in to a PRO account or create a new one if you don't have it yet. Add a hub compatible with the siren to the app, make the necessary settings, and create at least one virtual room.
2. Make sure that the hub is turned on and has Internet access via Ethernet and/or mobile network. You can check the connection in the Ajax app or by looking at the LED on the hub board: it should light up white or green.
3. Make sure the hub is disarmed and does not start updates by checking its status in the Ajax app.
4. Make sure the siren is physically connected to the hub.


## How to add HomeSiren Fibra

There are two ways to add devices: manually and automatically.

### To add a siren manually:

1. Open the PRO version of the app. Select the hub you want to add HomeSiren Fibra to.
2. Go to the **Devices**  tab and click **Add device**.
3. Name the siren, scan or type in the QR code (placed on the siren body and the packaging), select a room and a group (if the group mode is enabled).
4. Click **Add**.

### To have a siren added automatically:

1. Open the PRO version of the app. Select the hub you want to add physically connected devices to
2. Go to the **Devices**  tab and click **Add device**.
3. Select **Add all bus devices**. After scanning, a list of all physically connected to the hub devices, which have not yet been added to the system, will be displayed on the screen. The devices are sorted by the buses they are physically connected to.
4. In the list of available devices to add click on any item. The LED of this device will start blinking. This way, you'll know exactly which device you're

adding, how to name it correctly, and which room and group it should be assigned to.

5. To add a device, give a name and specify the room and the group. Click **Save**. If the device adds to the hub successfully, it will disappear from the list of devices available to add.
6. The devices added to the hub will appear in the list of devices in the Ajax app.



Device status updates depend on the Fibra settings; the default value is 36 seconds.

If the connection fails, check the accuracy of the wired connection and try again. If hub already has the maximum number of devices added (for Hub Hybrid, the default is 100), you will get an error notification when you add one.

HomeSiren Fibra works with one hub only. When connected to a new hub, the siren stops exchanging commands with the old one. Once added to a new hub, HomeSiren Fibra is not removed from the list of devices of the old hub. This must be done manually in the Ajax app.

## Malfunctions


When a siren malfunction is detected (for example, there is no connection with a hub via the Fibra protocol), the Ajax app displays a malfunction counter in the upper left corner of the device icon.




All malfunctions can be seen in the siren states. Fields with malfunctions will be highlighted in red.

### Malfunction is displayed if:

- The siren temperature is out of acceptable limits.
- The siren body is open (tamper is triggered).
- There is no connection with the hub via the Fibra protocol.


# Icons


The icons display some of HomeSiren Fibra states. You can view them in the Ajax app on the **Devices**  tab.

Icon	Meaning
	<p>Fibra signal strength, displays the signal strength between the hub and HomeSiren Fibra. The recommended value is 2–3 bars.</p> <p><a href="#">Learn more</a></p>
	<p>HomeSiren Fibra has been temporarily deactivated by a user or PRO with administrator rights.</p> <p><a href="#">Learn more</a></p>
	<p>HomeSiren Fibra has tamper triggering events temporarily deactivated by a user or PRO with administrator rights.</p> <p><a href="#">Learn more</a></p>

# States

The states include information about the device and its operating parameters. HomeSiren Fibra states can be found in the Ajax app:

1. Go to the **Devices**  tab.
2. Choose HomeSiren Fibra from the list.

Parameter	Meaning
Malfunction	<p>Clicking on  opens a list of HomeSiren Fibra malfunctions.</p> <p>The field is displayed if a malfunction is detected.</p>
Temperature	<p>Siren temperature. Measured on the processor and changes gradually.</p>

	<p>Acceptable measurement error between the value in the app and the room temperature: 2–4°C.</p> <p>The value is updated as soon as the siren identifies a temperature change of at least 1°C.</p>
Fibra signal strength	<p>Signal strength between the hub and HomeSiren Fibra. Recommended values: 2–3 bars.</p> <p>Fibra is a protocol for transmitting HomeSiren Fibra events and alarms</p> <p><a href="#">Learn more</a></p>
Connection via Fibra	<p>The status of connection between the hub and HomeSiren Fibra:</p> <ul style="list-style-type: none"> <li>• <b>Online</b> – the siren is connected to the hub.</li> <li>• <b>Offline</b> – the siren is not connected to the hub. Check the siren connection to the bus.</li> </ul>
Bus voltage	<p>Displays the total bus voltage.</p> <p>TBC</p>
Lid	<p>The status of the tamper that responds to demount or opening of the body:</p> <ul style="list-style-type: none"> <li>• <b>Open</b> – the siren is removed from its SmartBracket mounting plate.</li> <li>• <b>Closed</b> – the siren is mounted.</li> </ul> <p><a href="#">Learn more</a></p>
Alarm volume	<p>Volume level in case of alarm:</p> <ul style="list-style-type: none"> <li>• Muted – the siren does not sound when the alarm is raised</li> <li>• Quiet – 81 dB sound volume</li> <li>• Loud – 93 dB sound volume</li> <li>• Very loud – 105 dB sound volume</li> </ul>



	The volume level is measured 1 m away from the siren.
Alarm duration, sec	Duration of the alarm sound: 3 to 180 seconds  Set in increments of 3 seconds.
LED indication	Settings of the HomeSiren Fibra LED indication: <ul style="list-style-type: none"><li>• Off – LED indication is off.</li><li>• Armed – the siren blinks only when the system is armed.</li><li>• Always – the siren blinks regardless of the arming mode.</li></ul> The feature applies to both the built-in and the external LED indicator connected to the siren.  <b><u>More about indication</u></b>
Notify when arming/disarming	When enabled, the siren notifies about arming and disarming by flashing the LED and making a short beep.
Notify about switching the Night mode on/off	When enabled, the siren notifies you when the Night mode is switched on and off by flashing an LED and making a short beep.  <b><u>What is Night Mode</u></b>
Notify on entry/exit delay	When enabled, the siren beeps to signal about a delay when entering / leaving.  <b><u>What is Delay When Entering / Leaving</u></b>
Chime on opening	When enabled, a siren notifies about the door opening while system is disarmed.  <b><u>What is Chime</u></b>
Temporary deactivation	Shows the status of the siren temporary deactivation function:




	<ul style="list-style-type: none"> <li>• <b>No</b> – the siren operates normally and transmits all events.</li> <li>• <b>Lid only</b> – the hub administrator has disabled notifications about tamper triggering.</li> <li>• <b>Entirely</b> – the hub administrator has entirely excluded the siren from the system. The device does not execute system commands and does not report alarms or other events.</li> </ul> <p><a href="#">Learn more</a></p>
Firmware	Siren firmware version.
ID	HomeSiren Fibra identifier / serial number. Also located on the siren packaging box and on the body under the SmartBracket mounting panel.
Device №	Siren loop (zone) number.
Bus №	The number of the hub bus the siren is physically connected to.

## Settings

To change HomeSiren Fibra settings in the Ajax app:

1. Go to the **Devices**  tab.
2. Choose HomeSiren Fibra 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.

Settings	Meaning
First field	<p>Siren name. Displayed in the list of hub devices, SMS text, and notifications in the event feed.</p> <p>To change the siren name, click on the pencil icon .</p> <p>The name can contain up to 12 Cyrillic characters or up to 24 Latin characters.</p>

Room	<p>Selecting the virtual room to which HomeSiren Fibra is assigned.</p> <p>The room name is displayed in the text of SMS and notifications in the event feed.</p>
Alarms in Group Mode	<p>Selecting the group to which the siren is assigned. You can select one or all groups:</p> <ul style="list-style-type: none"> <li>• When assigned to a group, the siren and its indication notify of alarms and events of this group.</li> <li>• When assigned to all groups, the siren and its indication notify of alarms and events of all groups in the system.</li> </ul> <p>Regardless of the group selected, the siren will respond to <b><u>Night Mode</u></b>.</p> <p>The option is displayed if group mode is enabled on the hub.</p> <p><b><u>Learn more</u></b></p>
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 in case of alarm.</li> <li>• <b>Quiet</b> – 81 dB volume.</li> <li>• <b>Loud</b> – 93 dB volume.</li> <li>• <b>Very loud</b> – 105 dB volume.</li> </ul> <p>The volume level is measured 1 m away from the siren.</p>
Alarm duration, sec	<p>Determines how long the siren sounds in case of alarm: 3 to 180 seconds for each operation.</p> <p>Set in increments of 3 seconds.</p>
LED indication	<p>Settings of the HomeSiren Fibra LED indication:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> – LED indication is off.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Armed</b> – LED blinks once every 2 seconds only when the system is armed.</li> <li>• <b>Always</b> – LED blinks once every 2 seconds regardless of the arming mode.</li> </ul> <p>The feature applies to both the built-in and the external LED indicator connected to the siren.</p> <p><b><u>More about indication</u></b></p>
Notification settings	<p>Opens the siren notification settings. A detailed description of the settings is <b><u>available below</u></b>.</p>
Fibra Signal Strength Test	<p>Switches the siren to the Fibra signal strength test mode.</p> <p>The test allows you to check the signal strength between the hub and HomeSiren Fibra and determine the optimal installation location.</p> <p>Learn more</p>
Volume Level Test	<p>Switches the siren to the volume level test mode.</p> <p>Use it to check how loud the siren is and whether it can be heard in other rooms.</p> <p><b><u>Learn more</u></b></p>
User Manual	<p>Opens HomeSiren Fibra User Manual in the Ajax app.</p>
Temporary Deactivation	<p>Allows to disable the device without removing it from the system.</p> <p>Two options are available:</p> <ul style="list-style-type: none"> <li>• <b>Entirely</b> – the device will not execute commands or participate in automation scenarios. The system will ignore device alarms and other notifications.</li> <li>• <b>Lid only</b> – the system will ignore notifications about the tamper triggering.</li> </ul> <p><b><u>Learn more</u></b></p>

Unpair Device	Unpairs siren from the hub and deletes its settings.
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## Siren notification settings



Arming/Disarming	When enabled, the siren notifies about arming and disarming by flashing the LED and making a short beep.
Switching the Night mode on/off	When enabled, the siren notifies about switching the Night Mode on and off by flashing the LED and making a short beep.  <b><u>What is Night Mode</u></b>
Delay When Entering	When enabled, the siren beeps to signal about an entry delay.  <b><u>What is Delay When Entering/Leaving</u></b>
Delay When Leaving	When enabled, the siren beeps to signal about an exit delay.  <b><u>What is Delay When Entering/Leaving</u></b>
Delay when entering for the Night mode	When enabled, the siren beeps to signal about an entry delay in the Night mode.  <b><u>What is Night Mode</u></b> <b><u>What is Delay When Entering/Leaving</u></b>
Delay when leaving for the Night mode	When enabled, the siren beeps to signal about an exit delay in the Night mode.  <b><u>What is Night Mode</u></b> <b><u>What is Delay When Entering/Leaving</u></b>

Chime on opening	<p>When enabled, the siren beeps 1 to 4 times to indicate the door opening while system is disarmed.</p> <p><a href="#"><u>What is Chime</u></a> <a href="#"><u>How to set up Chime</u></a></p>
Beep volume	<p>Selecting the siren volume level for notifications about arming/disarming, entry/exit delay, and opening:</p> <ul style="list-style-type: none"><li>• <b>Quiet</b> – 80 dB volume.</li><li>• <b>Loud</b> – 93 dB volume.</li><li>• <b>Very loud</b> – 98 dB volume.</li></ul> <p>The volume level is measured 1 m away from the siren.</p>

## Setting up the processing of detector alarms

Through the Ajax app, you can configure which detector's alarms can activate the siren. This can help to avoid situations when the siren sounds on water leak detection or any other alarm.

The parameter is adjusted in the device settings. To select which devices the siren will respond to:

1. Sign in to the Ajax app.
2. Go to the **Devices**  tab.
3. Select the device.
4. Go to its settings  and set the necessary parameters for activating the siren.
5. Repeat steps 2–4 for the remaining devices.





By default, the siren responds to alarms of all detectors and devices in the system.

# Setting the tamper alarm response

The siren can respond to the tamper alarms of the connected devices. The option is disabled by default.

**For the siren to respond to a tamper alarm:**

1. Sign in to 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 **Siren Settings**.
6. Enable the **Alert with a siren if the hub or detector lid is open option**.





The tamper responds to opening and closing of the lid regardless of the arming mode of the device or the system.

[What is a tamper](#)

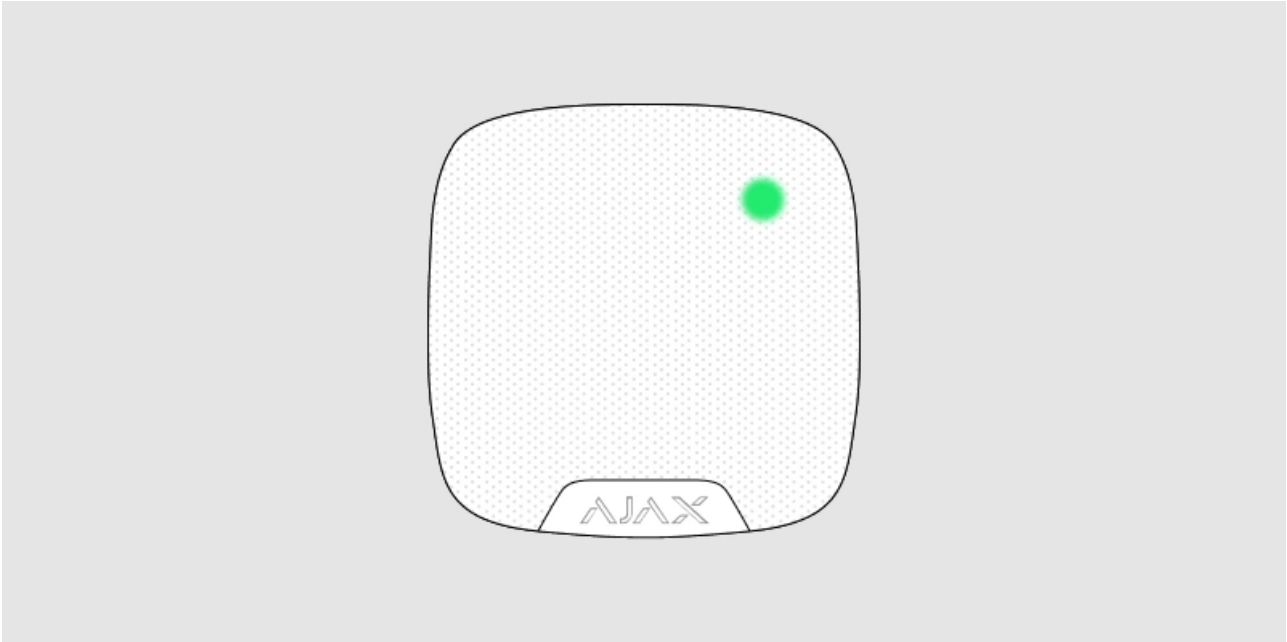
## Setting the response to pressing the panic button in the Ajax app

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**  tab.
2. Select the hub and go to its **Settings** .
3. Select the **Service** menu.
4. Go to **Siren Settings**.
5. Enable the **Alert with a siren if in-app panic button is pressed option**.

# Setting the siren after-alarm indication



The siren's LED can indicate that an alarm was previously registered in the armed system.

## The feature functions as follows:

1. The system registers the alarm.
2. The siren plays an alarm sound (the duration and volume depend on settings).
3. The siren's LED and the external LED (if connected) blink twice every 3 seconds until the system is disarmed.


With after-alarm indication the users and passing security companies patrols can see that the system was triggered.



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 the PRO version of the app:

1. Go to the:

- Hub → Settings  → Service → Siren Settings

2. Specify about what events the sirens will indicate with LED before the security system is disarmed:

- Confirmed alarm
- Unconfirmed alarm
- Lid opening

3. Select the sirens which will participate in after-alarm indication. Go back to **Siren Settings**. The new parameters will be saved.

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



## How to set Chime

**Chime** is a sound signal that notifies 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.

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

### What is Chime

#### Siren settings

1. Go to the **Devices**  tab.
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.
5. Enable the **Chime on opening** option in the **Beep when disarmed** category.
6. Set the volume of the beeps. 3 options are available:
  - **Quiet** – 80 dB at a distance of 1 m.
  - **Loud** – 93 dB at a distance of 1 m.





- **Very loud** – 98 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 and apply the settings.
8. Repeat steps 2–7 for other sirens for which you want to enable the notifications.

### Detector settings

1. Go to the **Devices**  tab.
2. Select the detector.
3. Go to its settings by clicking the gear icon  in the upper right corner.
4. Go to the **Chime on opening menu**.
5. Select the events to be notified by the siren (depending on the device):
  - 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: 1 to 4 short beeps. Once selected, the Ajax app will play the sound.
7. Click **Back** to save and apply the settings.
8. Repeat steps 2–7 for other detectors for which you need to enable the notifications.

## Indication



Event	Indication	Note
Alarm	Emits an acoustic signal, all LED signaling ceases.	The duration and volume of the sound signal depend on the siren settings.

An alarm is detected in the armed system  (if the post-alarm indication is on)	The built-in and external LEDs (if connected) flash twice every 3 seconds until the system is disarmed.	The indication turns on after the siren has completely played the alarm signal configured in settings (if enabled).
Power connection	The LED lights up once for 1 second.	
The security system is armed  (if indication is enabled)	Blinks once with the LED and beeps once.	The volume of the sound signal depends on the siren settings.
Security system is disarmed  (if indication is enabled)	Blinks twice with the LED and beeps twice.	The volume of the sound signal depends on the siren settings.
Siren in the armed mode  (if indication is enabled)	The LED lights up once every 3 seconds.	

## Functionality testing

The Ajax security system provides several types of tests that help you make sure that installation place of device is chosen correctly. HomeSiren Fibra tests do not start straight away but no later than over a single hub-detector ping period (36 seconds with a default hub settings). You can change the ping period of devices in the **Fibra** menu of the hub settings.

### To run a test in the Ajax app:

1. Select the hub if you have several of them or if you are using the PRO version of the app.
2. Go to the **Devices**  tab.
3. Select HomeSiren Fibra.
4. Go to **Settings** .
5. Select a test:
  - Fibra Signal Strength Test.

- Volume Level Test.

## 6. Run the test.

## Maintenance

Check the functioning of your siren on a regular basis. The optimal frequency of checks is once every three months. Clean the siren body from dust, cobwebs, and other contaminants as they emerge. Use a soft dry cloth that is suitable for equipment care.

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

## Technical specifications

<b>General parameters</b>	
Classification	Light and sound siren
Color	White, Black
Installation method	Indoors
Type of detector	Wired
<b>Limitations</b>	
Compatibility	Hub Hybrid (2G) Hub Hybrid (4G)
Communication	
Fibra protocol	Transmission of events and alarms  Alarm delivery time: 0.15 s
Recommended cable type for detector connection	Signal cable (4×0.22, copper)  Twisted pair U/UTP cat.5 (4×2×0.51)
Connection wire length	Up to 2000 m  How to calculate the cable length

Polling interval	12 to 300 seconds (set by admin in the app)
<b>Siren parameters</b>	
Sound notification volume	81–105 dB at 1 m distance (sets by admin in the app)
Siren sound alert frequency	3.4 ± 0.5 kHz
<b>Anti-sabotage protection</b>	
Tampering alarm	Yes
Protection against forgery	Yes
<b>Power supply</b>	
Siren power supply	24 V <sub>DC</sub> , up to 3 A
Current consumption	Up to 50 µA
<b>Enclosure</b>	
Protection class	IP50
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Dimensions	90.5 × 90.5 × 33 mm
Weight	84 g
Service life	10 years

### Compliance with standards

## Complete set

1. HomeSiren Fibra.
2. SmartBracket mounting panel.
3. Installation kit.
4. Quick Start Guide.

## Warranty

Warranty for the AJAX SYSTEMS MANUFACTURING Limited Liability Company 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 issues can be resolved remotely.

[Warranty obligations](#)

[User Agreement](#)

**Contact Technical Support:**

- [e-mail](#)
- [Telegram](#)
- Phone: 0 (800) 331 911