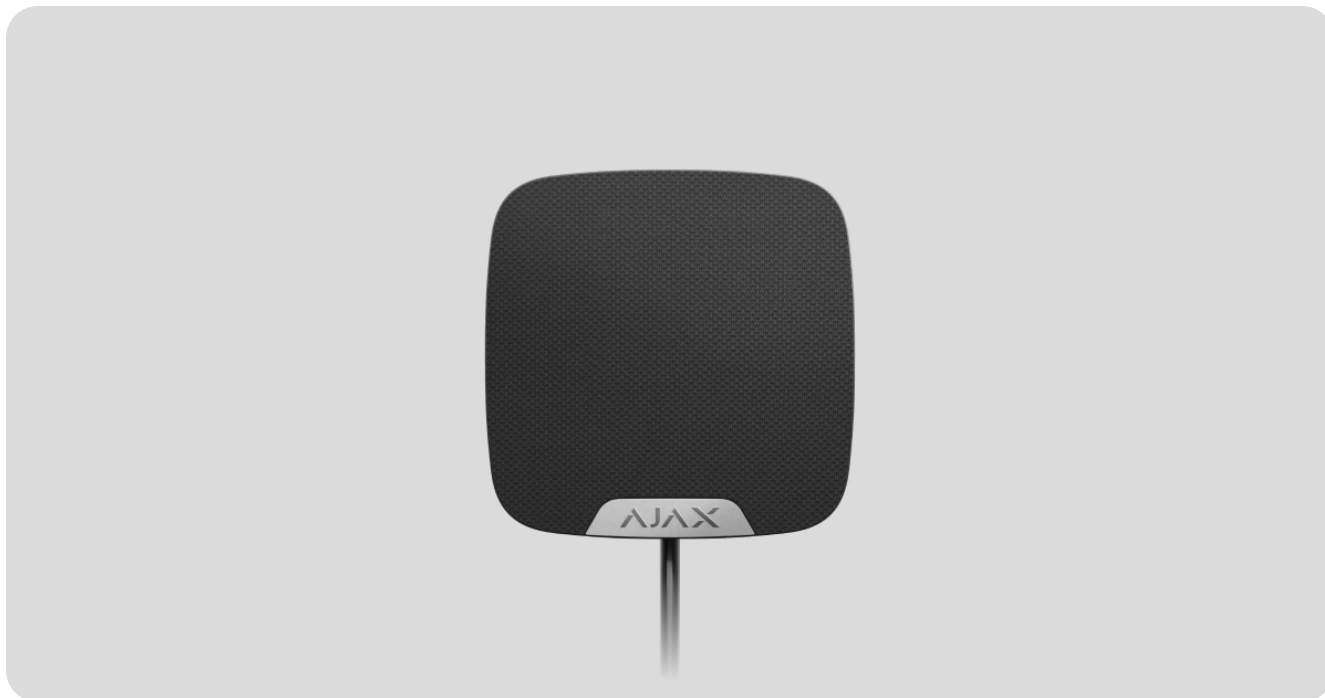# HomeSiren Fibra User manual

Updated June 5, 2023

HomeSiren Fibra is a wired siren for indoor installation. The device notifies on events and alarms with an LED indicator and sound volume up to 105 dB. Supports connection of an additional wired LED.

> ⚠️ 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 provided. Integration with other security systems is not provided either.

HomeSiren Fibra works as part of an Ajax system, exchanging data with the hub using the secure Fibra wired communication protocol. The connection range is up to 2,000 meters when using the U/UTP cat.5 twisted pair.

HomeSiren Fibra is the product of the Fibra lineup. Only accredited Ajax partners can install, sell and administer these products.

Functional elements
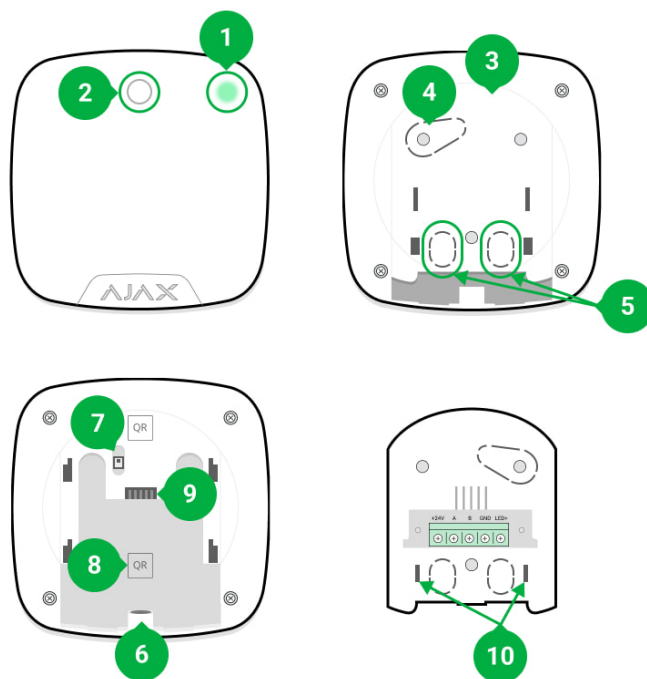
1. LED indicator.

2. Siren buzzer, located under the fabric.

3. SmartBracket mounting panel. To remove the panel, slide it down.

4. Perforated part of the mounting panel. Necessary for tamper triggering in case of any attempt to detach the device from the surface. Do not break it off.

5. Perforated parts of the mounting panel for the output of cables.

6. The hole to fix the SmartBracket mounting panel with a screw.

7. Tamper button. Notifies on an attempt to remove the mounting panel or tear the device off the surface.

8. Device QR code and ID (serial number). It is used to pair the device with the Ajax system.

9. Terminals for connecting the device to the hub.

10. Fasteners to fix the cables with ties.

Operating principle

CombiProtect Fibra

Hub Hybrid
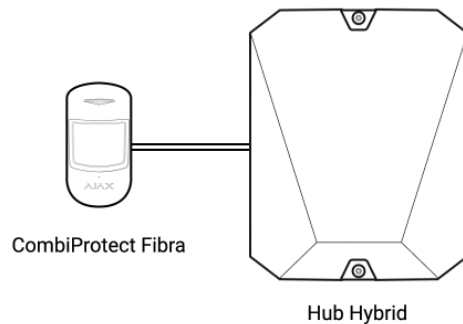
HomeSiren Fibra is a wired indoor siren.

The siren 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. **Reports 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.

Adjust the siren volume and duration in the app. In case of an alarm, the buzzer can work from 3 seconds to 3 minutes with a sound volume of 81 to 105 dB. In the Ajax app you can specify which detectors will activate the siren.

It is not easy to disable and dismantle a triggered siren if properly installed. The device has a robust enclosure and a protected buzzer. The siren is equipped with a **tamper** button for additional protection. It triggers when someone tries to open the enclosure or tear the device off the surface.

How to install HomeSiren Fibra correctly

Fibra communication protocol

The siren uses Fibra technology to transmit alarms and events. The protocol provides fast and reliable two-way wired communication between the hub and the connected devices. Using the bus connection method, Fibra delivers alarms and events instantly, even if 100 devices are connected to the system.

Fibra supports block encryption with a dynamic key and verifies each communication session with devices to prevent sabotage and spoofing. The protocol provides a regular "hub—sirens" polling with a set frequency to monitor connection and display the device statuses in the Ajax apps in real time.

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) using **SurGard (Contact ID), SIA DC-09 (ADM-CID), ADEMCO 685,** and other proprietary protocols. The list of supported protocols is **available here**.

Which CMSs can an Ajax system be connected to

HomeSiren Fibra can transmit the following events:

1. Tamper alarm/recovery.

2. Loss/recovery of connection between HomeSiren Fibra and the hub.

3. Activation/deactivation of HomeSiren Fibra.

4. Unsuccessful attempt to arm the system (with the **system integrity check** enabled).

When an alarm is received, the monitoring station operator of the security company knows what happened and where the rapid response unit has to be sent. All Ajax

devices are addressable, so events, the device type, its assigned name and location (room, group) can be transmitted to PRO Desktop and the CMS. The list of transmitted parameters may differ depending on the type of CMS and the selected communication protocol.

> ℹ️ Check the device ID, loop (zone) number, and line number in device states in the Ajax app.

Selecting the installation site

When choosing where to place HomeSiren Fibra, take into account the parameters that affect the operation of the device:

- Fibra signal strength.

- Cable length for connecting HomeSiren Fibra.

- Audibility of HomeSiren Fibra.

- Visibility of HomeSiren Fibra LED indication.

- Cable length for connecting a third-party LED.

HomeSiren Fibra is mounted on a vertical surface with the bundled screws. The siren is designed for indoor installation only.

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 these recommendations when designing the security system project for your object. The security system should be designed and installed by professionals. The list of authorized Ajax partners is **available here**.

Do not install HomeSiren Fibra

- Outdoors. This could damage the siren.

- In places where the audio signal of the siren can be jammed. For example, inside a closet or behind thick curtains. This reduces the effectiveness of the siren operation.

- In rooms with temperature and humidity that do not correspond to operating parameters. This could damage the siren.

- In places where the siren has an unstable or low signal strength. This can lead to a loss of connection between the hub and the siren.

- Near glass break detectors. This can cause the glass break detector false alarms.

Fibra signal strength

The Fibra signal level is determined by the number of undelivered or corrupted data packages over a certain period. The icon ıll the **Devices** ⊟ tab in Ajax apps 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, stable operation is not guaranteed.

The following factors affect the signal strength:

- The number of detectors connected to one Fibra line.

- Cable length and type.

- The correctness of wire connections to the terminals.

Project designing

To correctly install and configure security system devices, it is important to properly design the security system project. The design must take into account the

number and types of devices at the object, their exact location and installation height, the length of wired Fibra lines, the type of cable used, and other parameters.

Designing tips for wired Fibra systems are available **in this article**.

Topologies

Ajax systems support two topologies: **Beam (Radial wiring)** and **Ring**.

> ⚠️ Connecting devices using the **Ring** topology will be implemented in the next OS Malevich updates. Hardware update of Hub Hybrid is not required.

Beam connection (Radial wiring) occupies one line output of the hub. Only the segment that remains physically connected to the hub will function in the event of a line break. All devices connected after the breakpoint will lose connection with the hub.

Ring connection takes two line outputs of the hub. If the ring breaks in one place, no device will be disabled. The ring reconfigures into two lines, which continue to operate normally. Users and security company will receive notification about the break.

Beam (Radial wiring)	Ring
• takes one line output of the hub	• takes two line outputs of the hub
• up to 8 beams with the same hub	• up to 4 rings with the same hub
• up to 2,000 m of wired communication for the same line	• up to 500 m of wired communication for the same ring
• a terminating resistor is installed at the end of the line	• no terminating resistor is needed at the end of the line

Both topologies can be used on the same hub. For example, you can use two Ring connections and four Beam (Radial) connections.

Different types of devices can be connected to the same Fibra line. For example, you can connect opening detectors, motion detectors with photo verification, sirens, and keypads to the same line.

The devices are connected to the Fibra line one by one, as shown on the diagram. Line branching is not supported.
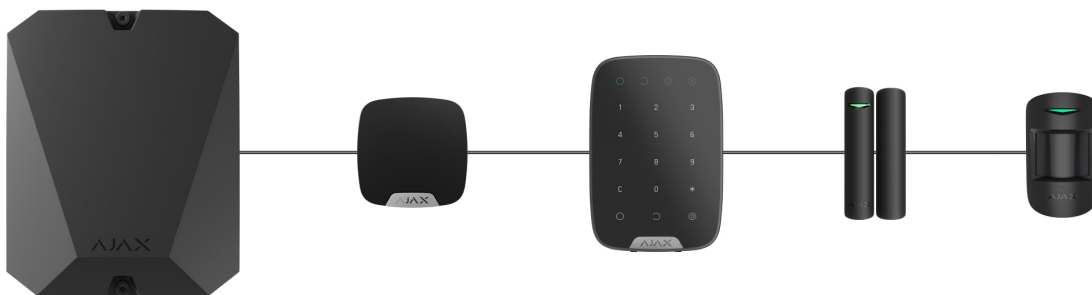
When using the **Beam (Radial) topology**, be sure to install a 120 Ohm terminating resistor at the end of the line (included in the hub complete set). The terminating resistor is connected to the signal terminals of the last detector on the line.
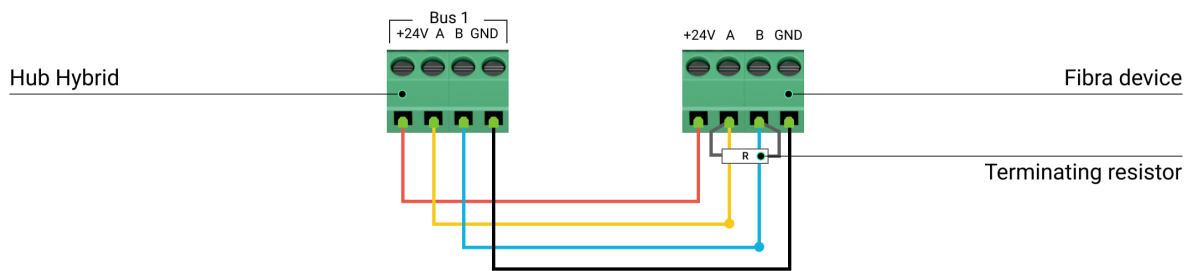
Cable length and type

The maximum range of a wired connection using the **Beam (Radial) topology** is 2,000 meters, and using the Ring topology — 500 meters

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ℹ️ Recommended cable types:

- U/UTP cat.5 4 × 2 × 0.51, copper conductor.

- Signal cable 4 × 0.22, copper conductor.

If you use a different type of cable, the wired connection range may vary. No other types of cables have been tested.

Verification using a calculator

To make sure that the project is calculated correctly and that such a system will work in real practice, we have developed the **Fibra power supply calculator**. The calculator helps to check the communication quality and cable length for wired Fibra devices with the selected configuration when designing the system project.

Additional information

The maximum current that Hub Hybrid can supply in total for all Fibra lines is 600 mA. The total current consumption of the devices in the system depends on the type of cable, its length, the type of connected device, the quality of the

connection of conductors, and other factors. Therefore, after selecting devices, we recommend verifying the project using the **Fibra power supply calculator**.

Up to 100 devices can be connected to Hub Hybrid by default. Each device connected to HomeSiren Fibra also occupies one slot within the device limit of the hub.

Preparing for installation

Cable arrangement

When preparing to lay cables, check the electrical and fire safety regulations in your region. Strictly follow these standards and regulations.

It is safest to route cables inside walls, floors, and ceilings: this way they will be invisible and unavailable for intruders. It also ensures their greater durability: the cable will be affected by fewer external factors affecting the natural wear of the conductor and its insulating layer.

As a rule, security system cables are laid during the construction or repair stage and after wiring at the object.

If impossible to install cables inside the walls, route them so that the cable is sufficiently protected and hidden from prying eyes. For example, in a cable tray or a protective corrugated pipe. It is recommended to hide them. For example, behind the furniture.

We recommend using protective pipes, cable conduits, or corrugated pipes to protect cables, regardless of whether they are routed inside the wall or not. The cables should be arranged carefully: no sagging, tangling, or twisting is allowed.

Take into account the places of possible signal interference. If the cable is routed near motors, generators, transformers, power lines, control relays, and other sources of electromagnetic interference, use twisted-pair cable in these areas.

Cable routing

When laying cables for a security system, take into account not only the general requirements and rules for electrical installation work but also the specific installation features of each device: installation height, mounting method, how the cable is inserted into the enclosure, and other parameters.

Before installation, we recommend you read the **Selecting the installation site** section of this manual, as well as the manual for a third-party wired device. If you have any questions about the operation of third-party wired devices, please contact the technical support of the manufacturer of this device.

Try to avoid any deviations from the security system project design. Violation of the basic installation rules and recommendations of this manual, as well as the instructions of the manufacturer of third-party wired devices, may lead to incorrect operation of the siren, false alarms of connected wired devices, and loss of connection with HomeSiren Fibra.

Check the cables for bends and physical damage before installation. Replace the damaged cables.

Signal cables of Fibra devices must be laid at a distance of at least 50 cm from the power cables when laying parallel and, if they intersect, at a 90° angle.

Observe the permissible bend radius of the cable. It is indicated by the manufacturer in the cable specifications. Otherwise, you risk damaging or breaking the conductor.

Fibra devices are connected to the line one by one. Line branching is not supported.

Preparing cables for connection

Remove the insulating layer of the cable and strip the cable with a special insulation stripper. It strips the cable properly without damaging the conductor. The ends of the wires that will be inserted into the detector's terminals should be tinned or crimped with tips. This ensures reliable connection and protects the conductor from oxidation.

Recommended cable lug sizes: 0.75 to 1 mm².

Installation and connection

⚠️ Before installing HomeSiren Fibra, make sure that you have selected the optimal location and that it meets the requirements of this manual. To reduce the risk of sabotage, the cables must be hidden from view and located in a place that is difficult for intruders to access. Ideally, run the cables in the walls, floors, or ceilings.

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

Connecting HomeSiren Fibra to the hub

1. Remove the SmartBracket mounting panel from the siren. To do this, lightly press the panel and slide it down.

2. Remove the HomeSiren Fibra board from the holders on the mounting panel by pulling them apart.

3. Prepare holes for cable output in advance. To output cables from the back of the siren, carefully break out the perforated parts on the SmartBracket mounting panel. To output cables from the bottom of the siren, make a hole in the bottom of the enclosure using a drill, a special milling cutter for small holes, or hand-cutting tools.

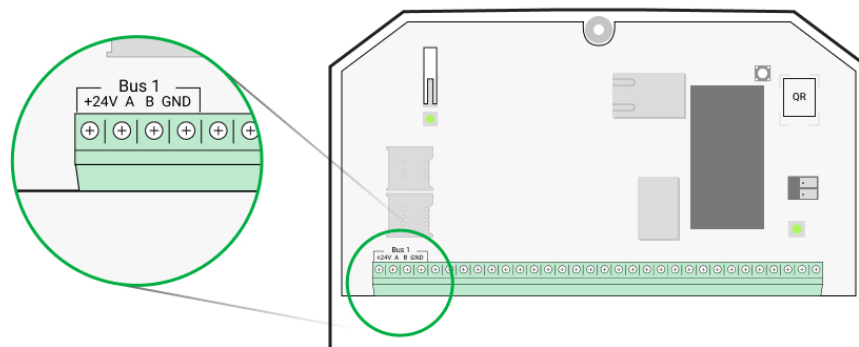| To output cables from the back of the siren | To output cables from the bottom of the siren |

4. Disconnect the external power supply and the hub backup battery.
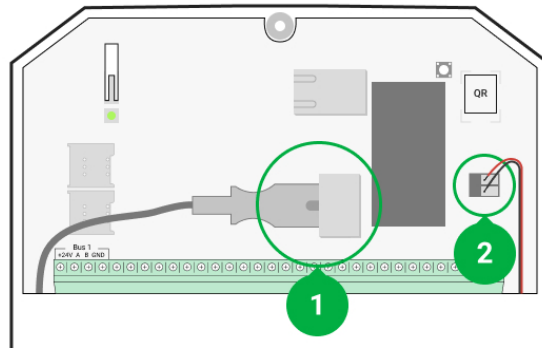
1 — External power supply.

2 — Backup battery.

5. Run the cable into the hub enclosure. Connect the wires to the hub line.
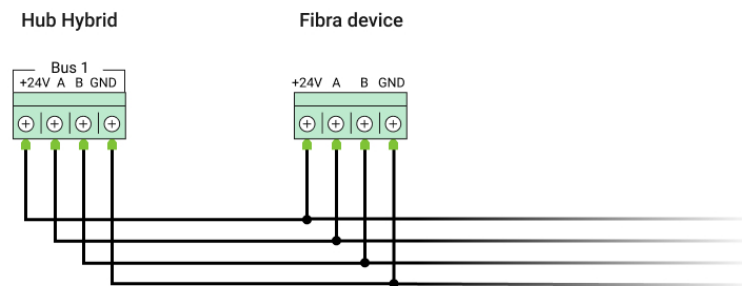

+24V — 24 V⎓ power terminal.
A, B — signal terminals.
GND — ground.

6. Run the cable from the hub into the mounting panel of the siren through the holes made.

7. If the siren is not the last device in the connection line, prepare a second cable in advance. The ends of the wires of the first and second cables, which will be inserted into the siren terminals, must be tinned and soldered together, or crimped with special tips.

8. Run a wire to connect a third-party LED if you plan to use it.

9. Attach the mounting panel to a vertical surface at the chosen installation location using the bundled screws. When attaching, use all fixing points. One of them, in the perforated part of the mounting panel, is needed to trigger the tamper in case of an attempt to tear the device off the surface.

10. Install the HomeSiren Fibra board on special mounting panel holders.

11. Connect the wires to the terminals according to the diagram below. Follow the polarity and connection order of the wires. Securely fasten the wires to the terminals.


+24V — 24 V⎓ power terminal.
A, B — signal terminals.
GND — ground.

12. If the siren is the last device in the line and the **Beam (Radial) topology** is used, install a terminating resistor by connecting it to the signal terminals of the device. When the Ring connection is used, a terminating resistor is not needed.

Bus 1
+24V A B GND

Hub Hybrid

+24V A   B GND

Fibra device

R

Terminating resistor
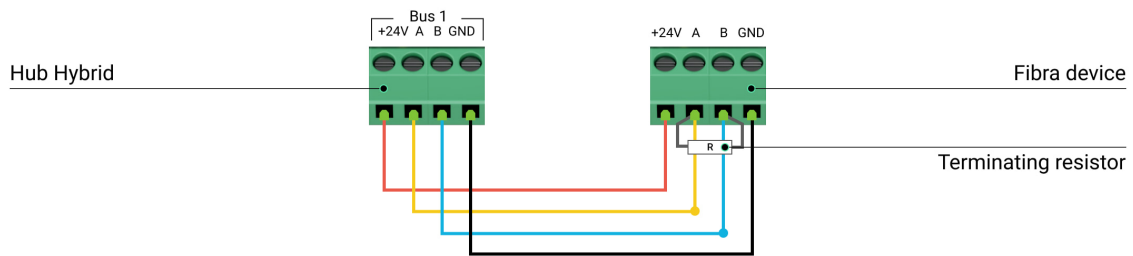
More about Ajax detector connection topologies

> ℹ️ If possible, we recommend connecting devices using the Ring topology (hub–device–hub). This improves the antisabotage protection of the system.

13. Connect an external LED.

14. Secure the cables with cable ties using special fasteners on the mounting panel.

15. Connect the backup battery and external power supply to the hub. Turn on the hub.

16. Place the siren on the SmartBracket mounting panel. Fix the siren with the bundled screw at the bottom of the enclosure.

17. Add a siren to the system.

18. Run the **Fibra Signal Strength Test**. The recommended signal strength is two or three bars. If the signal strength is one bar or zero, check the connection correctness and the cable integrity.

19. Run the **Volume Test**.

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 replicates its signals.

In order to connect an LED:

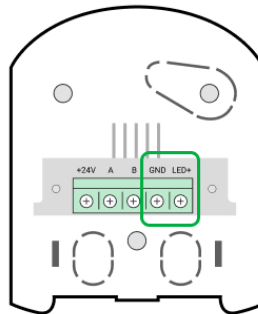**1.** Disconnect the external power supply and the hub backup battery.
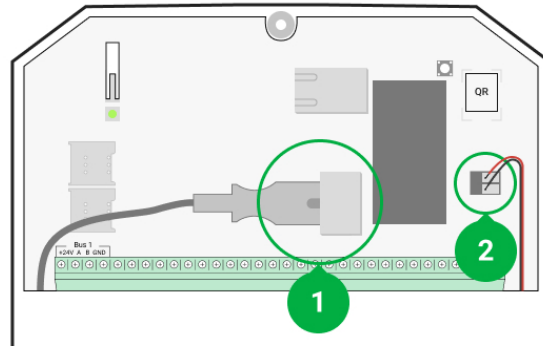
1 — External power supply.

2 — Backup battery.

2. Remove the siren from the SmartBracket mounting panel by slightly pushing and pulling it up.

3. Lead the LED wire into the hole in the mounting panel and connect it to the HomeSiren Fibra terminals.

4. Place the siren on the SmartBracket mounting panel. Fix the siren with the bundled screw at the bottom of the enclosure.

5. Connect the backup battery and external power supply to the hub. Turn on the hub.

6. Check the LED operation.

Adding to the system

Before adding a device

1. Install the **Ajax PRO app**. Log in to a **PRO account** or create a new account if you don't have one.

2. Add a hub compatible with the siren to the app, configure the necessary settings, and create at least one **virtual room**.

3. Make sure that the hub is on and has Internet access via Ethernet and/or cellular 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.

4. Make sure the hub is disarmed and does not start updates by checking its status in the Ajax app.

5. Make sure the siren is physically connected to the hub.

How to add HomeSiren Fibra

To add a siren manually

1. Open the **Ajax PRO app**. Select the hub you want to add HomeSiren Fibra to.

2. Go to the **Devices** ⬛ tab and click **Add Device**.

3. Assign a name to the device.

4. Scan or type in the QR code manually. The QR code is located on the back of the enclosure under the SmartBracket mounting panel and on the packaging.

5. Select a virtual room and a security group if the **group mode** is enabled.

6. Press **Add**.

To add the siren automatically

1. Open the **Ajax PRO 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 Fibra Devices**. The hub will scan all Fibra lines. After scanning, a list of all devices physically connected to the hub will be displayed in the **Devices** tab. The order of the devices will depend on which line they are connected to.

4. In the list of available devices to add click on the device you need. The LED indicator of this device will start flashing. 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, specify a name, room, and security group if the **group mode** is enabled. Click Save. If the device is added to the hub successfully, it disappears from the list of devices available for adding and appears in the Devices tab in the app.

> **i** HomeSiren Fibra works with one hub only. After connecting 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 Ajax apps.

Functionality testing

The Ajax system offers several types of tests to help you choose the right installation place for the devices. Tests do not start straight away but not later than over a single "hub—device" polling period.

Tests available for HomeSiren Fibra:

- **Fibra Signal Strength Test**. The test allows you to check a signal strength and stability at the installation site.

- **Volume Test**. Allows you to check the current siren volume level and select the optimal volume level for the protected object.

To run a test

1. Select the hub if you have several of them or if you are using the **Ajax PRO app**.

2. Go to the **Devices** ⊟ menu.

3. Select HomeSiren Fibra.

4. Go to the HomeSiren Fibra settings by clicking on the gear icon ıI.

5. Choose a test:

- Fibra Signal Strength Test.

- Volume Test.

6. Run the test following the prompts of the app.

Icons

The icons show some of the device states. You can check them in the Ajax apps on the **Devices** ⊟ tab.

Icon	Meaning
ıII	Fibra Signal Strength — displays the signal strength between the hub and the siren. The recommended value is two or three bars. **Learn more**
🔔	**Siren notifies about the opening**.
🖐️⚙	HomeSiren Fibra has been deactivated.

Learn more

Ⴑ	HomeSiren Fibra has tamper triggering events deactivated. **Learn more**

States

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

1. Go to the **Devices** ⊟ tab.

2. Select HomeSiren Fibra from the device list.

Parameter	Meaning
Malfunction	Clicking on ⓘ opens the list of the HomeSiren Fibra malfunctions. The field is displayed only if a malfunction is detected.
Temperature	Siren temperature. Measured on the processor and changes gradually. Acceptable measurement error between the value in the app and the room temperature: 2°C. The value is updated as soon as the siren identifies a temperature change of at least 2°C. You can configure a scenario by temperature to control automation devices **Learn more**

Fibra Signal Strength	Signal strength between the hub and HomeSiren Fibra. The recommended value is two or three bars. Fibra is a protocol for transmitting HomeSiren Fibra events and alarms. **Learn more**
Connection via Fibra	The status of connection between the hub and the siren: • **Online** — the siren is connected to the hub. • **Offline** — the siren has lost connection with the hub. Check the siren connection to the hub.
Line Voltage	The voltage value on the Fibra line to which the siren is connected.
Lid	The status of the tamper that responds to detachment of the device from the surface or opening of the enclosure: • **Closed** — the siren is installed on the SmartBracket mounting panel. Normal state of the enclosure. • **Open** — the siren is removed from the SmartBracket mounting panel or the enclosure integrity is otherwise compromised. Check the state of the siren enclosure. **Learn more**
Alarm Volume	Volume level in case of alarm: • **Muted** — the siren does not sound when the alarm is raised. • **Quiet** — 81 dB sound volume. • **Loud** — 93 dB sound volume.

	• **Very loud** — 105 dB sound volume. The volume level is measured 1 m away from the siren
Alarm Duration	Duration of the audible alarm: from 3 seconds to 3 minutes. Set in 3 second intervals.
LED indication	Settings of the siren LED indication: • **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. The feature applies to both the built-in and the external LED indicator connected to the siren. **Learn more**
Beep Settings	Shows the siren beeps settings.
Beep When Arming/Disarming	When enabled, the siren notifies about arming and disarming by flashing the LED and a short beep.
Notify about switching the Night mode on/off	When enabled, the siren notifies you when the **Night mode** is switched on/off by flashing the LED and making a short beep.
Beep on Entry/Exit Delays	When enabled, the siren beeps to signal about **delays when entering/leaving**.
Chime on opening	When enabled, a siren notifies about the opening detector triggering in the **Disarmed** system mode. **Learn more**
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 device deactivation function: • **No** — the device operates in normal mode and transmits all events. • **Lid only** — the hub administrator has disabled notifications about tamper triggering. • **Entirely** — the hub administrator has entirely excluded the siren from the system. The device does not follow system commands and does not report alarms or other events. **Learn more**
Firmware	HomeSiren Fibra firmware version.
ID	HomeSiren Fibra ID/serial number. Also available on the back of the siren enclosure and on the packaging.
Device No.	HomeSiren Fibra loop (zone) number.
Line No.	The number of the Fibra line of a hub to which HomeSiren Fibra is physically connected.

Settings

To change the siren settings in the Ajax app:

1. Go to the **Devices** ▬ tab.

2. Select **HomeSiren Fibra** from the list.

3. Go to **Settings** by clicking on the gear icon ⚙️.

4. Set the required settings.

5. Click **Back** to save the new settings.

Settings	Meaning
Name	Siren name. Displayed in the list of hub devices, SMS text, and notifications in the events feed. To change the name, click on the text field. The name can contain up to 12 Cyrillic characters or up to 24 Latin characters.
Room	Choosing a HomeSiren Fibra virtual room. The room name is displayed in the text of SMS and notifications in the event 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 created in the system. Regardless of the group selected, the siren will respond to **Night Mode** activation and alarms. The option is displayed if **group mode** is enabled on the hub.
Alarm Volume	Volume level in case of alarm: • **Muted** — no siren sound. • **Quiet** — 81 dB sound volume. • **Loud** — 93 dB sound volume. • **Very loud** — 105 dB sound volume. The volume level is measured 1 m away from the siren.

Alarm Duration	Duration of the audible alarm: from 3 seconds to 3 minutes. Set in 3 second intervals.
LED indication	Settings of the siren LED indication: - **Off** — LED indication is off. - **Armed** — the LED flashes every 2 s when the system is in **Armed** mode only. - **Always** — the LED flashes every 2 s regardless of the security mode. The feature applies to both the built-in and the external LED indicator connected to the siren. **Learn more**
Beeps Settings	Opens the siren beeps settings. A detailed description of the settings is **available below.**
Fibra Signal Strength Test	Switches the siren to the Fibra signal strength test mode. The test allows you to check the signal strength between the hub and the siren via the Fibra wired communication protocol to select the optimal installation location. **Learn more**
Volume Test	Switches the siren to the volume test mode. The test allows you to check the current siren volume level and select the optimal volume level for the protected object. **Learn more**
User Guide	Opens HomeSiren Fibra User Manual in the Ajax

	app.
Permanent Deactivation	Allows the user to disable the device without removing it from the system. Three options are available: • **No** — the device operates in normal mode and transmits all events. • **Entirely** — the device will not execute system commands, and the system will ignore alarms and other notifications from the device. • **Lid only** — the system will ignore notifications about the triggering of the device tamper only. **Learn more**
Unpair Device	Unpairs HomeSiren Fibra from the hub and deletes its settings.

Siren beeps settings

Beep on armed mode change

Arming/Disarming	When enabled, the siren notifies you when the system is armed and disarmed by flashing the LED and making a short beep.
Night Mode Activation/Deactivation	When enabled, the siren notifies you when the system is armed and disarmed in the **Night Mode** by flashing the LED and making a short beep.
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

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 enabled, a siren beeps to signal about the opening detector triggering in the **Disarmed system mode**. **What is Chime** **How to set up Chime**

Siren beep volume

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

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 Settings by clicking on the gear icon ⚙.

5. Find the item Alert with a siren if alarm detected. Enable or disable the function.

6. Repeat steps 3–5 for other security system devices.

> ℹ️ 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 tamper alarms of each security system device. When the function is activated, the siren will beep when the tamper button of the device is triggered.

To set the siren response to a tamper alarm

1. Open the Ajax app.

2. Go to the **Devices** ➖ tab.

3. Select a hub and go to its **Settings** ⚙.

4. Select the **Service** menu.

5. Go to the **Sounds and Alerts**.

6. Enable the **Alert with a siren if the hub or detector lid is open** option.

7. Click **Back** to save the new settings.

> ⓘ The tamper button responds to the opening and closing of the enclosure regardless of the security mode of the device or system.

Setting the response to pressing the panic button in Ajax apps

You can configure the siren response to alarm when the panic button is pressed in the Ajax apps.

To configure the siren's response to pressing the panic button in Ajax apps

1. Open the Ajax app.

2. Go to the **Devices** ⬛ tab.

3. Select a hub and go to its **Settings** ⚙.

4. Select the **Service** menu

5. Go to the **Sounds and Alerts**.

6. Enable the **Alert with a siren if in-app panic button is pressed** option.

7. Click **Back** to save the new settings.

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 sound (duration and volume depend on the settings).

3. The siren LED and the external LED (if connected) flash twice (about once every 3 seconds) until the system is disarmed.

With after-alarm indication the system users and security companies can see that an alarm has occurred.

> ℹ️ 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 the siren settings:

- Hub → Settings ⚙ → Service → Sounds and Alerts

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

- Confirmed intrusion/hold-up alarm

- Single intrusion/hold-up alarm

- Lid opening

3. Press **Select Devices** and select the required sirens. Click **Back**. The new parameters will be saved.

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

How to set up Chime

When **Chime** is enabled, the sirens make a special sound to indicate that opening detectors have 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.

What is Chime

To set up a siren

1. Go to the **Devices** ⊟ tab.

2. Select the required siren from the list.

3. Go to **Siren Settings** by clicking on the gear icon ⚙.

4. Go to the **Beeps Settings** menu.

5. Enable the **Chime** option in the **Beep when Disarmed** category.

6. Set the volume of the beeps. 3 options are available:

- **Quiet** — (81 dB, measured at a distance of 1 m from the siren).

- **Loud** — (93 dB, measured at a distance of 1 m from the siren).

- **Very loud** — (105 dB, measured at a distance of 1 m from the siren).

> ℹ️ The specified **Beep Volume** also applies to the volume of beeps when arming/disarming and the delay when entering/leaving.

7. Click **Back** to save the settings.

8. Repeat steps 2–7 for other sirens for which you want to enable beeps.

9. Set up the opening detector.

How to set up an opening detector for Chime

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 is detected in the armed system (if the post-alarm indication is on)	The built-in and external (if connected) LEDs flash twice every 3 seconds until the system is disarmed.	The indication turns on after the siren has fully played the alarm signal.
24 V⎓ power supply connection	The LED lights up once for 1 second.	
The security system is armed (if Beep on Armed Mode Change is enabled)	Flashes the LED once and emits a short beep.	The volume of the sound signal depends on the Beeps Volume settings.

The security system is disarmed (if Beep on Armed Mode Change is enabled)	Flashes the LED twice, emits two short beeps.	The volume of the sound signal depends on the Beeps Volume settings.
Siren in the armed mode (if the indication is configured in Armed mode)	The LED lights up once every 2 seconds.	

Malfunctions

If a siren malfunction is detected, a malfunction counter is displayed in Ajax apps in the upper left corner of the device icon.

All malfunctions can be seen in the States of the device. Fields with malfunctions will be highlighted in red.

HomeSiren Fibra malfunctions

- The siren temperature is out of acceptable limits.

- The siren enclosure is open or detached from the surface (tamper button triggering).

- No connection between the siren and the hub via the Fibra protocol.

- Low voltage of the HomeSiren Fibra power supply line.

Maintenance

Check the functioning of your siren on a regular basis. The optimal frequency of checks is once every three months. We recommend you check the fixation tightness of the wires in the siren terminals.

Clean the siren enclosure from dust, cobwebs, and other contaminants as they emerge. Use a soft dry cloth suitable for equipment care. Do not use substances that contain alcohol, acetone, gasoline, and other active solvents to clean the device.

Technical specifications

All technical specifications of HomeSiren Fibra

Compliance with standards

Complete set

1. HomeSiren Fibra.

2. SmartBracket mounting panel.

3. Installation kit.

4. Quick start guide.

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 issues can be resolved remotely.

Warranty obligations

User Agreement

Contact Technical Support

- **e-mail**

- **Telegram**

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