StreetSiren Fibra User manual

Updated January 12, 2023

StreetSiren Fibra is a wired siren of the Ajax security system. Equipped with a LED frame and piezoelectric alarm indicator producing sound volume up to 113 dB. For both indoor and outdoor installation.

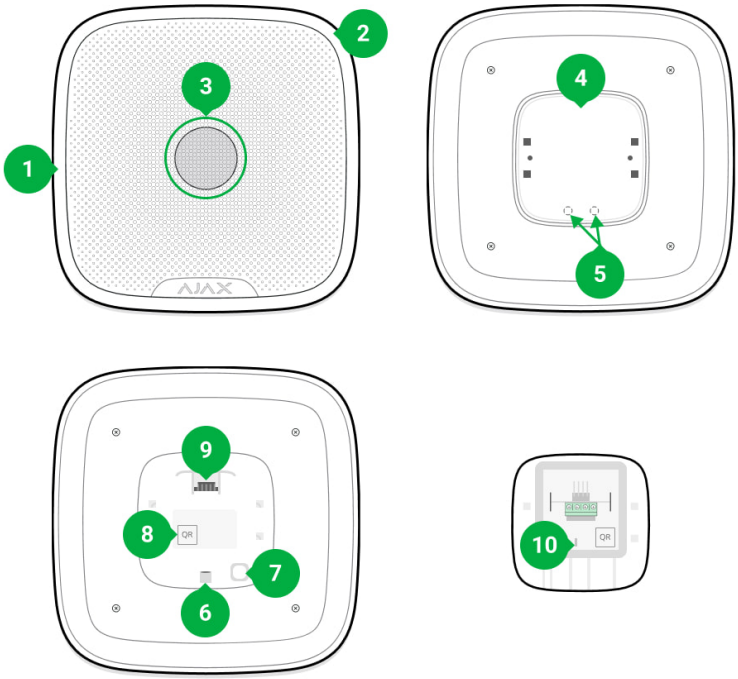
The siren is compatible with Hub Hybrid (2G) and Hub Hybrid (4G). Connection to other hubs, radio signal range extenders, ocBridge Plus, and uartBridge is not provided. Integration with other security systems is not provided either.

StreetSiren Fibra works as part of an Ajax security 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.

StreetSiren Fibra is part of the wired Fibra devices line. Only accredited Ajax partners can install, sell, and administer these products.

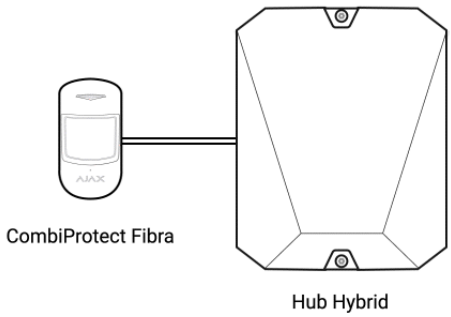
Buy StreetSiren Fibra

Functional elements



1. LED frame.
2. LED indicator.
3. Siren buzzer, located under the fabric.
4. SmartBracket mounting panel. To remove the panel, slide it down.
5. Perforated part for cable output.
6. The hole to fix the SmartBracket mounting panel with a screw.
7. **Tamper button**. Triggers when an attempt is made to detach the device from the surface or remove it from the mounting panel.
8. QR code and ID (serial number) of the siren. It is used to pair the device with the Ajax security system.
9. Terminals for connecting StreetSiren Fibra to the hub.
10. Fasteners to fix the cables with ties.

Operating principle



StreetSiren Fibra is a wired siren of the Ajax security system. The device is equipped with a piezoelectric buzzer for sound alerting and an LED frame for visual alerting. The siren has a built-in battery that is used for power supply. The battery is charged from the Fibra line and is used for indication as well as for notification of alarms and events.

The siren performs two tasks:

1. **Informs about alarms**. The siren responds to tamper triggering and security system alarms, including a buzzer and LED backlight, in less than a second, which scares off intruders and attracts the attention of neighbours.
2. **Indicates the security status**. The siren uses LED indication to notify that the object is armed, and reports about Delays When Entering/Leaving with sound and backlight. These functions will be helpful if you control the security system using key fobs or keypads. In this case, the siren can remind you to disarm the system when you enter the object.

 **What is Delay When Entering/Leaving**

Alarm volume and duration

When alarmed, the siren sounds from 3 seconds to 15 minutes, producing a sound volume of 85 to 113 dB. In the Ajax apps, you can set the duration and volume of the alarm, as well as determine which detectors will activate the siren. We discuss this feature in more detail in the **Settings** section.

Anti-sabotage protection

StreetSiren Fibra is equipped with a **tamper** button and raises the alarm when the main power is lost. The tamper button is triggered when the siren is removed from the mount or when the body is opened.

In the event of a sabotage, the users and the security company will know exactly which siren the intruders are trying to disable. The notifications contain the hub name (name of the guarded object), the incident time, the siren name, the alert type, and the **virtual room** to which the device is assigned.

StreetSiren Fibra has a pre-installed battery. It provides the siren with the power to indicate and notify of alarms and events in case of damage to the Fibra line or an emergency power shortage.

Fibra data transfer protocol

The siren uses **Fibra technology** to transmit alarms and events. This is a wired data transfer protocol that provides fast and reliable two-way 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 floating key and verifies each communication session with devices to prevent sabotage and spoofing. The protocol requires regular polling of devices by the hub with a predetermined frequency to monitor communication and display the status of the system devices in the Ajax apps.

 **Learn more**

Sending events to the monitoring station

An Ajax security 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), ADEMCO 685**, and other proprietary protocols. The list of supported protocols is **available here**.

StreetSiren Fibra can transmit the following events:

1. Tamper alarm/recovery.
2. Alarm due to loss/restoration of the main power.
3. Loss/recovery of connection between StreetSiren Fibra and the hub.
4. Temporarily turning the siren off/on.

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.

Check the device ID, loop (zone) number, and bus number in device states in the Ajax app

Selecting the installation site

When choosing where to place StreetSiren Fibra, consider the parameters that affect the operation of the siren:

- Fibra signal strength.
- Cable length for connecting StreetSiren Fibra.
- Audibility of StreetSiren Fibra.
- Visibility of StreetSiren Fibra LED indication.

StreetSiren Fibra withstands heat, cold, and temperature drops. The siren is protected from rain and snow and can be installed on the facade of the building without a canopy. The siren enclosure has an IP54 protection class.

The recommended installation height is **2.5 meters or more**. This raises difficulties for intruders to gain access to the device in the event of a sabotage attempt. If the siren cannot be placed at this height, it can be installed lower.

Consider the placement 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 the siren

- Near glass break detectors. The siren sound may trigger an alarm.
- In places where the audio signal of the siren can be jammed.
- In places where the LED indication of the siren will not be visible.

Fibra signal strength

The Fibra signal strength is determined by the ratio of the number of undelivered or corrupted data packages to those expected over a certain period of time. The icon in 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 devices connected to one Fibra line.
- Cable length and type.
- The correctness of the wire connections to the terminals.

What is Fibra Signal Strength Test

Design

To correctly install and configure security system devices, it is important to properly design the security system project. The design must consider 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. Tips for designing Fibra wired systems are available **in this article**.

Topologies

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

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

Beam (Radial wiring) connection method occupies one bus 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 method occupies two bus 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 the security company will receive notification of the break.

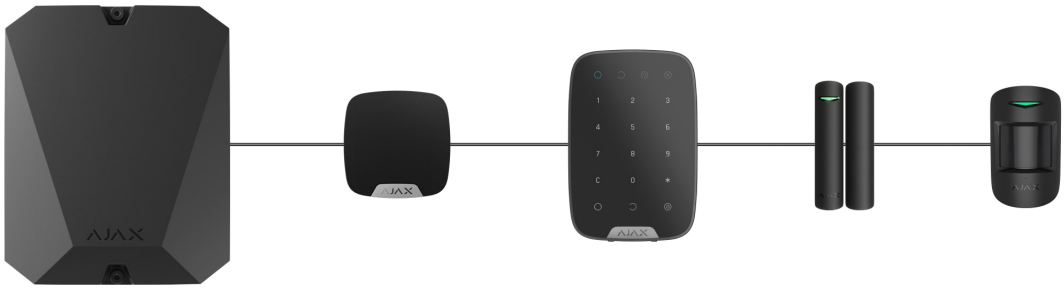
Beam (Radial wiring)	Ring

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

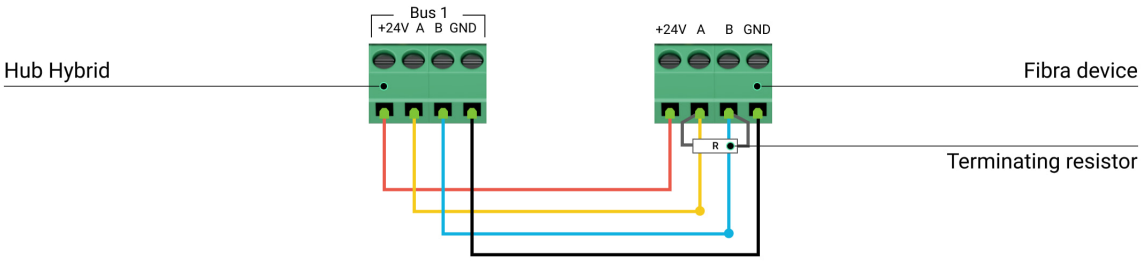
Both device connection topologies can be used on the same hub. For example, you can use two Ring connections and four Beam (Radial wiring) connections.

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

The devices are connected to the Fibra line one by one, as shown on the figure. Line branching is not supported.



For the **Beam (Radial wiring)** 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 communication range for wired connection using the **Beam (Radial wiring)** topology is 2,000 meters, and that using the **Ring** topology is 500 meters.

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 communication range for wired connection 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 a **communication range calculator of Fibra lines** The calculator helps to check the quality of communication and cable length for wired Fibra devices with the selected configuration at the system design stage.

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 calculator**.

You can connect up to 100 devices to Hub Hybrid by default.

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 conduit 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.

Consider the locations 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, consider 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 location** section of this manual. Avoid deviations from the security system

project design. Violation of the basic installation rules and the recommendations of this manual lead to incorrect operation, as well as loss of connection with the StreetSiren Fibra.

Check the cables for bends and physical damage before routing. 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 specified by the manufacturer in the cable specifications. Otherwise, you risk damaging or breaking the conductor.

The devices are connected to the Fibra 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 only. 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 special 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 the siren, make sure that you have selected the optimal location for the device and that it complies with 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.

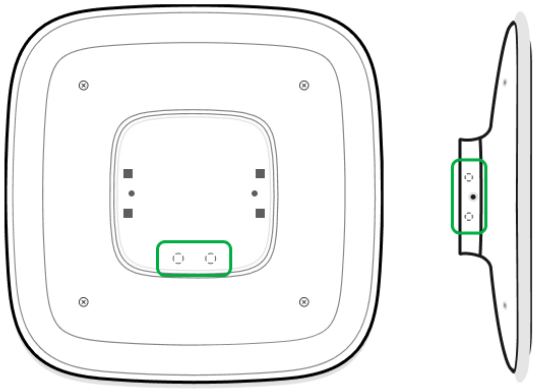
Ideally, the cables should be set into the walls, floor, or ceiling. Before final installation, run the Volume Test and Fibra Signal Strength Test

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. **Follow safety procedures and regulations for electrical installation work.**

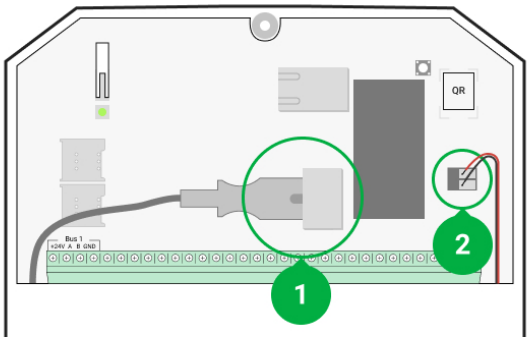
Connecting StreetSiren Fibra to the hub

1. Remove the SmartBracket mounting panel from the siren. To do this, lightly press the panel and slide it down.
2. Remove the board with terminals for connection of StreetSiren Fibra from the holders on the mounting panel by pulling them aside.
3. Prepare holes for cable output.



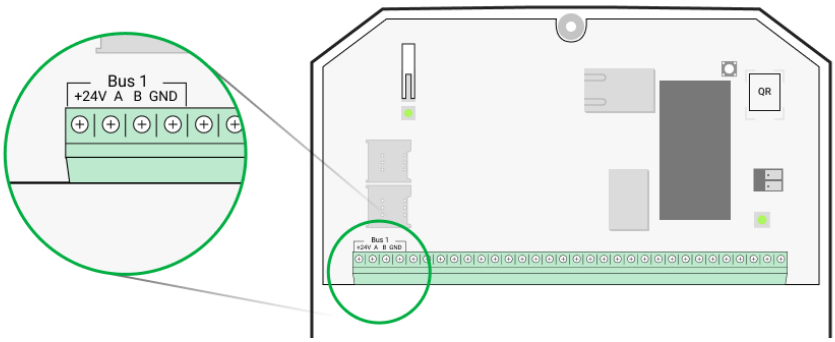
1 — for cable output from the bottom of the siren.
2 — for cable output through the wall.

4. Disconnect the external power supply and the hub backup battery.



1 — external power supply.
2 — backup battery.

5. Insert a cable to connect devices to the hub. Connect the wires to the required hub line.

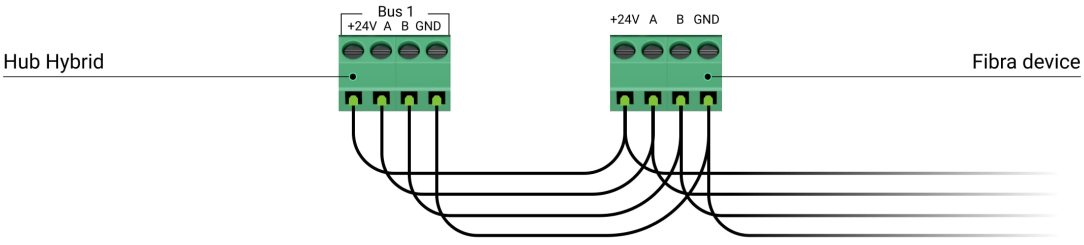


+24V — power phase.
A, B — signal terminals.
GND — ground.

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.

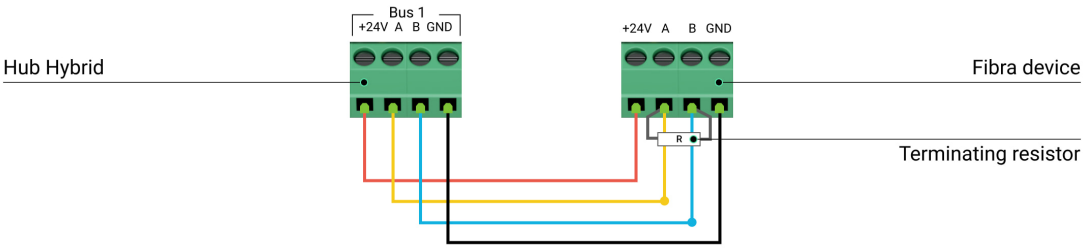
8. Connect the wires to the terminals according to the scheme below. Follow the polarity and connection order of the wires. Securely fasten the wires to the terminals.



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

9. If the siren is the last device in the line and the **Beam (Radial wiring) connection** topology is used, install a terminating resistor by connecting it to

the signal terminals of the device. When the **Ring connection method** is used, a terminating resistor is not needed.



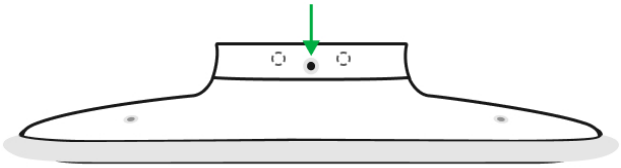
10. If the siren is not the last device in the line, prepare a second cable in advance. The ends of the wires of the first and second cables, which will be inserted into the siren terminals, must be tinned and soldered together, or crimped with special tips.

11. Attach the SmartBracket panel to a vertical surface with the bundled screws. When using other fasteners, make sure they do not damage or deform the mounting panel. The recommended installation height is **2.5 meters or more**.

> Don't use double-sided adhesive tape for temporary or permanent fixation of the siren, as the device may come off the surface at any time.

12. Place the siren on the SmartBracket mounting panel.

13. Secure the siren with a screw. This reduces the risk of burglary and sabotage.



14. Connect the external power and the hub backup battery. Turn on the hub.

15. Add StreetSiren Fibra to the system.

16. Perform the **Fibra Signal Strength Test**. The recommended signal strength is two or three bars. Otherwise, check the connection and the condition of the cable.

17. Run the **Volume Test**. If the siren is hard to hear, change the volume or move the device.

Adding to the system

The siren is only compatible with **Hub Hybrid (2G)** and **Hub Hybrid (4G)**. Fibra devices can only be added and configured through Ajax PRO apps by a user with admin rights.

Types of accounts and their rights

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 your app. Set the required settings and create at least one **virtual room**.
3. Make sure that the hub is on and has Internet access via Ethernet and/or mobile network. You can do this in the Ajax app or by looking at the hub LED. 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 StreetSiren Fibra

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

To add a siren manually:

1. Open the **Ajax PRO app**. Select the hub you want to add StreetSiren Fibra to.
2. Go to the **Devices** tab and select **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 select **Add device**.
3. Select **Add all bus devices**. The hub will scan all Fibra lines. After scanning, 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, select 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. Press **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.

StreetSiren 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, StreetSiren 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 security system offers several types of tests to help you choose the right installation place for the devices. The test does not start straight away but not later than over a single "hub — device" ping period (36 seconds under default settings of the hub). You can change the ping period of devices in the **Fibra** menu of the hub settings.

Tests available for StreetSiren 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 StreetSiren Fibra.
4. Go to the StreetSiren Fibra settings by clicking on the gear icon.
5. Select:
    1. **Fibra Signal Strength Test**.
    2. **Volume Test**.
6. Run the test following the prompts of the app.

Icons

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

Icon	Meaning
	Fibra Signal Strength — displays the signal strength between the hub and the siren. Recommended value: 2–3 bars. **Learn more**
	Siren **notifies about the opening**.
	StreetSiren Fibra has been temporarily deactivated.

	Learn more
	StreetSiren Fibra tamper triggering events are temporarily disabled. Learn more

States

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

1. Go to the **Devices** tab.
2. Select **StreetSiren Fibra** from the list of devices.

Parameter	Meaning
Malfunction	Clicking on (i) opens the list of StreetSiren Fibra malfunctions. The field is displayed only if a malfunction is detected.
Temperature	Siren temperature. Measured on the processor and changes gradually. Acceptable 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 1°C.
Fibra Signal Strength	Signal strength between the hub and StreetSiren Fibra. The recommended value is two or three bars. Fibra is a protocol for transmitting StreetSiren 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.
Battery Charge	The battery charge level of the device. Displayed as a percentage. The percentage of charge is displayed in 1% increments.
Bus 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** — 85 dB volume. • **Loud** — 100 dB volume. • **Very loud** — 113 dB volume. The volume level is measured 1 m away from the siren.

Alarm Duration	Duration of the audible alarm: from 3 seconds to 15 minutes. The duration is set in 3-second intervals within the range from 3 seconds to 3 minutes. From 3 to 15 minutes the parameter is set in intervals of 30 seconds.
LED indication	Settings of the siren LED indication: • **Off** — LED indication is off. • **Armed** — the device's LED frame flashes once every 2 seconds when the system is in **Armed mode**. • **Always** — the device's LED frame flashes once every 2 seconds, regardless of the siren's security mode. **Learn more about indication**
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 this option is enabled, the siren informs you that the opening detectors are triggered in the Disarmed system mode. **Learn more**
Beep Volume	Volume of the audible notification signal about arming/disarming, entry/exit delay, opening detector triggering: • **Quiet** — 88 dB volume. • **Loud** — 94 dB volume. • **Very loud** — 112 dB volume.

	The volume level is measured 1 m away from the siren.
Temporary Deactivation	Shows the status of the device temporary deactivation function: • **No** — the device operates in normal mode and transmits all events. • **Lid only** — notifications on the siren tamper triggering are disabled. • **Entirely** — the device does not follow system commands and does not report alarms or other events. Learn more
Firmware	StreetSiren Fibra firmware version.
Device ID	StreetSiren Fibra ID/serial number. Also available on the back of the siren enclosure and on the packaging.
Device No.	StreetSiren Fibra loop (zone) number.
Bus No.	The number of the Fibra line of a hub to which StreetSiren Fibra is physically connected.

Settings

To change the siren settings in the Ajax app:

1. Go to the **Devices** tab.
2. Select **StreetSiren 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 StreetSiren Fibra virtual room. The room name is displayed in the text of SMS and notifications in the events feed.
Alarms in Group Mode	Selecting the group to which the siren is assigned. You can select one or all groups: • **If the siren is assigned to a certain group**, it notifies about alarms and events of this group only. • **If the siren is assigned to all groups**, it notifies about alarms and events of all groups in the system. Regardless of the selected group, the siren will respond to activation and alarms of the **Night Mode**. The option is displayed if **group mode** is enabled on the hub.
Alarm Volume	Volume level in case of alarm: • **Muted** — the siren does not sound when the alarm is raised. • **Quiet** — 85 dB volume. • **Loud** — 100 dB volume. • **Very loud** — 113 dB volume. The volume level is measured 1 m away from the siren.

Alarm Duration	Duration of the audible alarm: from 3 seconds to 15 minutes. The duration is set in 3-second intervals within the range from 3 seconds to 3 minutes. From 3 to 15 minutes the parameter is set in intervals of 30 seconds. You can set the alarm duration from 3 to 15 minutes with firmware version 5.56.3.21 and later.
LED indication	Settings of the siren LED indication: • **Off** — LED indication is off. • **Armed** — the device's LED frame flashes once every 2 seconds when the system is in **Armed mode**. • **Always** — the LED frame of the device flashes once every 2 seconds, regardless of the siren security mode. Learn more
Beeps Settings	Opens the siren beeps settings. A description of all alert settings is available below.
Activate the siren if the siren enclosure is opened	When enabled, the siren will be activated when a tamper triggering is detected. What is a tamper
Activate the siren if there is no power on the buses	When enabled, the siren will be activated when a loss of main power is detected.
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 StreetSiren Fibra User Manual in the Ajax app.
Temporary Deactivation	Allows the user to disable the device without removing it from the system. Two options are available: • **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. Learn more
Unpair Device	Unpairs StreetSiren Fibra from the hub and deletes its settings.

Siren beeps settings

Beep on armed mode change

Event	Description	Note
Arming/Disarming	When enabled, the siren notifies you when the system is armed and disarmed by	The brightness of the indication and the volume of the audible signal depend on the siren settings. The light

	lighting the LED frame and making a short beep.	and/or sound indication can be disabled in the siren settings.
Night Mode Activation/Deactivation	When enabled, the siren notifies you when the **Night mode** is switched on/off by lighting the LED frame and making a short beep.	The brightness of the indication and the volume of the audible signal depend on the siren settings. The light and/or sound indication can be disabled in the siren settings.

Beep on Delays

Entry Delays	When enabled, the siren beeps to signal about a delay when entering. **Learn more**
Exit Delays	When enabled, the siren beeps to signal about a delay when leaving. **Learn more**
Entry Delays in Night Mode	When enabled, the siren beeps to signal about a delay when entering in the **Night Mode**. **Learn more**
Exit Delays in Night Mode	When enabled, the siren beeps to signal about a delay when leaving in the **Night Mode**. **Learn more**

Beep when Disarmed

Chime on opening	When this option is enabled, the siren informs you with a short beep that the opening detectors are triggered in the **Disarmed** system mode. 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** — 80 dB volume. • **Loud** — 93 dB volume. • **Very loud** — 98 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 the device **Settings** by clicking on the gear icon.
5. Find the **Alert with a siren if alarm detected** item. Enable or disable the function.
6. Repeat steps 3–5 for other security system devices.

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

Setting the tamper alarm response

In Ajax apps, you can configure the siren's response to 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.
8. Go to **Select Devices** and check the sirens that should alert the tamper alarms.
9. 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.
8. Go to **Select Devices** and check the sirens that should notify of alarms when the panic button is pressed in the Ajax apps.
9. Click **Back** to save the new settings.

Setting the siren after-alarm indication

The siren can inform about triggering in the armed system using LED indication.

The option functions as follows:

1. The system registers the alarm.

2. The siren plays an alarm signal. The duration and volume of the signal depend on the device settings.
3. The lower right corner of the siren LED frame flashes twice (once every 3 seconds) until the system is disarmed.

Thanks to this feature, system 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 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 of the LED before the security system is disarmed:
   - Confirmed alarm
   - Unconfirmed alarm
   - Lid opening
3. Select the sirens needed. Click **Siren Settings**. The new parameters will be saved.
4. Click **Back**. All settings will be applied.

How to set up Chime

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

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

 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 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** — 88 dB, measured at a distance of 1 m from the siren.
    - **Loud** — 94 dB, measured at a distance of 1 m from the siren.
    - **Very loud** — 112 dB, measured at a distance of 1 m from the siren.

    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

LED indication

Event	Indication	Note

Alarm.	Beeps, the LED frame flashes red.	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 siren LED frame flashes red twice in the lower right corner every 3 seconds until the system is disarmed.	The indication turns on after the siren has fully played the alarm signal.
Power connection.	The LED frame lights up once.	
The security system is armed (if Beep on Armed Mode Change is enabled).	The frame blinks once, the siren emits a short beep.	The volume of the sound signal depends on the Beeps Volume settings.
Security system is disarmed (if Beep on Armed Mode Change is enabled).	The LED frame flashes twice, the siren 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 frame in the lower right corner is permanently on.	

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, or other active solvents to clean the siren.

Technical specifications

All technical specifications of StreetSiren Fibra

Compliance with standards

Complete set

1. StreetSiren 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 Ajax Technical Support first. In most cases, technical issues can be resolved remotely.

Warranty obligations

User Agreement

Contact Technical Support:

- e-mail
- Telegram

Subscribe to the newsletter about safe life. No spam

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