Superior StreetSiren Plus Fibra user manual

Updated July 7, 2025

Superior StreetSiren Plus Fibra is an enhanced wired siren for outdoor and indoor use. Equipped with an LED frame and a speaker that produces a sound volume of up to 107 dB.

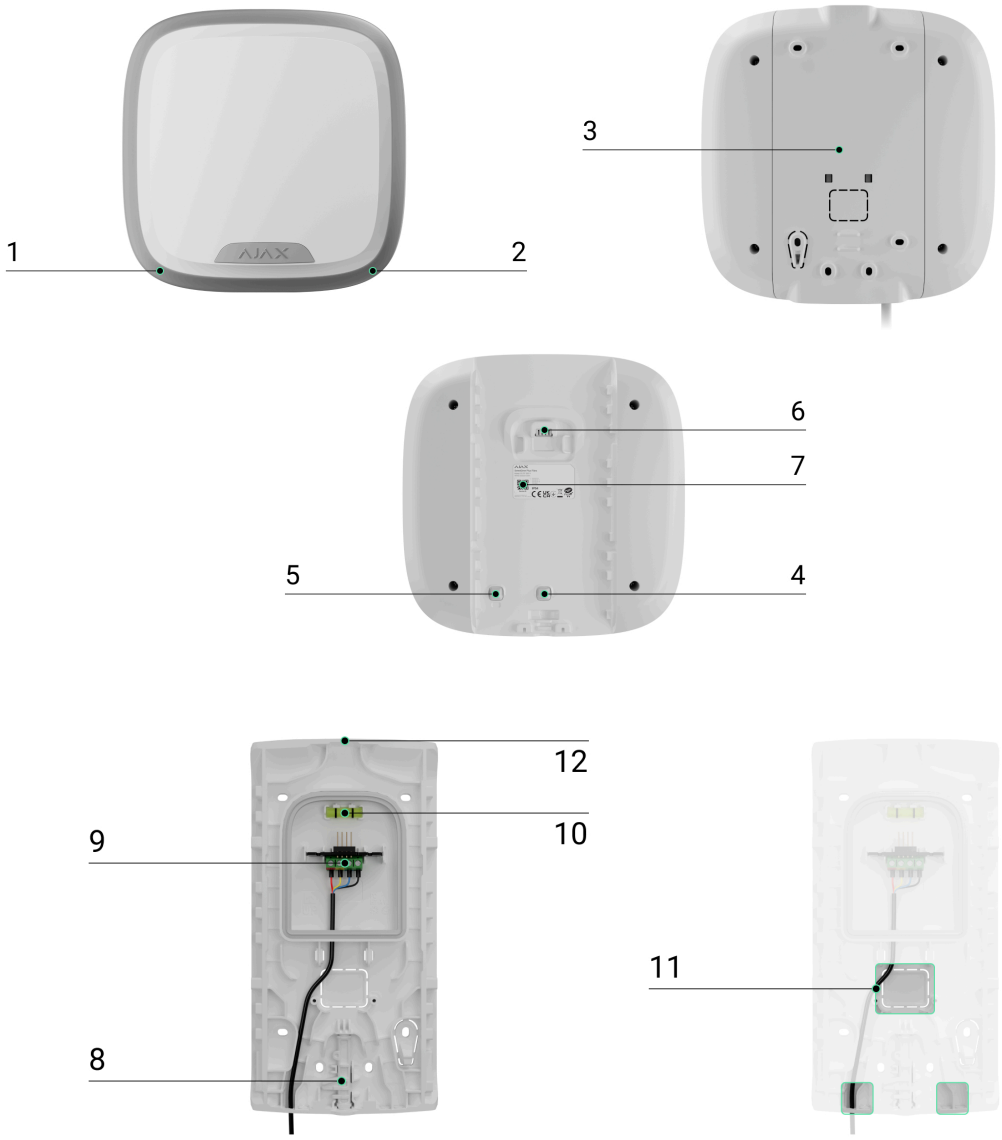
Superior StreetSiren Plus Fibra works as part of an Ajax system and exchanges data with a hub using Fibra wired technology. The communication range is up to 2,000 m when the device is connected via twisted pair U/UTP cat.5. The siren has a built-in sealed battery that is charged from the Fibra line. Superior StreetSiren Plus Fibra uses the battery to indicate and notify users of alarms and events.

If the Fibra line is damaged or an emergency power outage occurs, the backup battery will provide the siren with power to indicate and notify of alarms and events.

Superior StreetSiren Plus Fibra is the device of the Fibra product line. Only accredited Ajax Systems partners can sell, install, and administer it.

Buy Superior StreetSiren Plus Fibra

Functional elements



1. LED frame.

2. LED indicator in the lower right corner of the siren.

3. SmartBracket mounting panel.
4. First tamper. It triggers when SmartBracket is unlocked.
5. Second tamper. It triggers if an attempt to detach the siren from the surface or SmartBracket is detected.
6. Contacts on the siren for connecting to a hub.
7. QR code with the siren ID / serial number.
8. Lock for SmartBracket. It is used to fix the siren on the SmartBracket mounting panel.
9. Terminals to connect the siren to the Fibra line.
10. Bubble level to check the inclination angle of the mounting panel when installing the siren.
11. Perforated parts to run the wires.
12. Recesses to drill the holes conveniently.

Operating principle

0:00 / 0:12

Siren performs four tasks:

1. **Informs about alarms**. The siren responds to system alarms and tamper triggering, enabling a speaker and an LED backlight to scare off intruders and attract attention.
2. **Indicates the security status**. With an LED indication, the siren can notify that the site is armed. **Superior StreetSiren Plus Fibra** informs users about **delays when entering/leaving** with a sound signal and backlight.
3. **Notifies of opening** (**Chime**). When the site is disarmed, the siren informs you with a particular sound that the opening detectors are triggered. This feature is used, for example, in stores to notify employees that someone has entered the premises.
4. **Notifies of triggering until the site is disarmed**. After the beep sounds, the LED indicator in the lower right corner of the siren starts flashing. With this feature,

users and security company patrols passing by can see that the siren has been triggered.

Alarm volume and duration

After the alarm is activated, the siren sounds from 3 seconds to 3 minutes, emitting a sound volume of 85 to 107 dB. In Ajax apps, you **can configure** the alarm duration and volume, as well as determine which devices will trigger the siren.

Protection against sabotage

Superior StreetSiren Plus Fibra is equipped with **tamper** buttons and raises the alarm when the main power (from the Fibra line) is lost. The tamper button is triggered when the siren enclosure is opened/broken, or somebody tries to remove the siren from SmartBracket.

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

Superior StreetSiren Plus Fibra has a pre-installed battery. It provides the siren with the power to indicate and notify of alarms and events when the Fibra line is damaged or an emergency power outage occurs.

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 featuring a dynamic 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 Ajax apps.

Learn more

Sending events to the monitoring station

An Ajax system can transmit alarms to the **PRO Desktop** monitoring app, as well as to the central monitoring station (CMS) using **SurGard (Contact ID), SIA (DC-09), ADEMCO 685**, and **other protocols**.

Superior StreetSiren Plus Fibra can transmit the following events:

1. The lid is open/closed.
2. The mounting panel is locked/unlocked.
3. An alarm due to loss/recovery of the main power.
4. Loss/recovery of connection between Superior StreetSiren Plus Fibra and a hub.
5. Turning the siren off/on.
6. Discharging/charging the battery.
7. Disconnecting/connecting the battery.

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. Addressability of Ajax devices allows you to transmit to PRO Desktop and to the CMS events, device type, its assigned name and location (room, group). The list of transmitted parameters may differ depending on the type of CMS and the selected communication protocol.

Device ID, loop (zone) number, as well as line number can be found in its states.

Selecting the installation site

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

- Fibra signal strength.
- The length of the cable required to connect Superior StreetSiren Plus Fibra.
- Audibility of the Superior StreetSiren Plus Fibra sound signal.
- Visibility of the Superior StreetSiren Plus Fibra LED indication.

Superior StreetSiren Plus Fibra withstands heat, cold, and temperature fluctuations. 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 the IP54 protection class.

The recommended installation height is **2.5 m 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.

Follow placement recommendations when designing an Ajax system for a site. The system should be designed and installed by professionals. The list of authorized Ajax Systems 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.
- In places with low or unstable Fibra signal strength.

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 in connecting wires to the terminals.

What is Fibra signal strength test

Designing

To correctly install and configure the devices, it is important to properly design the system. The design must take into account the number and types of devices at the site, their exact location and installation height, the length of Fibra wire lines, the type of cable used, and other parameters. Tips for designing wired Fibra systems are available in **this article**.

Topologies

Ajax systems support three topologies: **Beam (Radial wiring)**, **Tree**, and **Ring**.

Beam connection method occupies one line output of the hub. In the event of a line break, only the segment that remains physically connected to the hub will function. All devices connected after the breakpoint will lose connection with the hub.

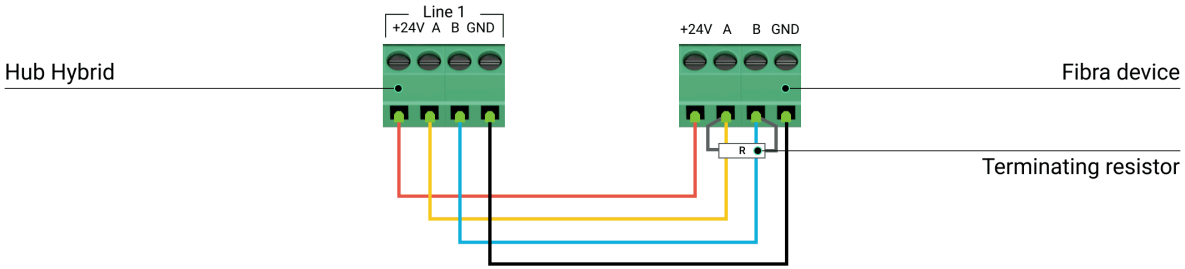
Ring connection method occupies two line outputs of the hub. If the ring breaks in one place, no device will be disabled. The ring reconfigures into two lines, which continue to operate normally. Users and security companies will receive notification of a break.

Beam (Radial wiring)	Ring
Occupies one line output of the hub. Up to 8 lines on the same hub. Up to 2,000 m of wired communication for the same line. A termination resistor is installed at the end of the line.	Occupies two line outputs of the hub. Up to 4 rings on the same hub. Up to 500 m of wired communication for the same ring. No termination resistor is installed 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** topology connections.

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

For the **Beam (Radial wiringl)** 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 device on the line.



Line branching and the **Tree** topology are only allowed when using **Superior LineSplit Fibra**.

Cable length and type

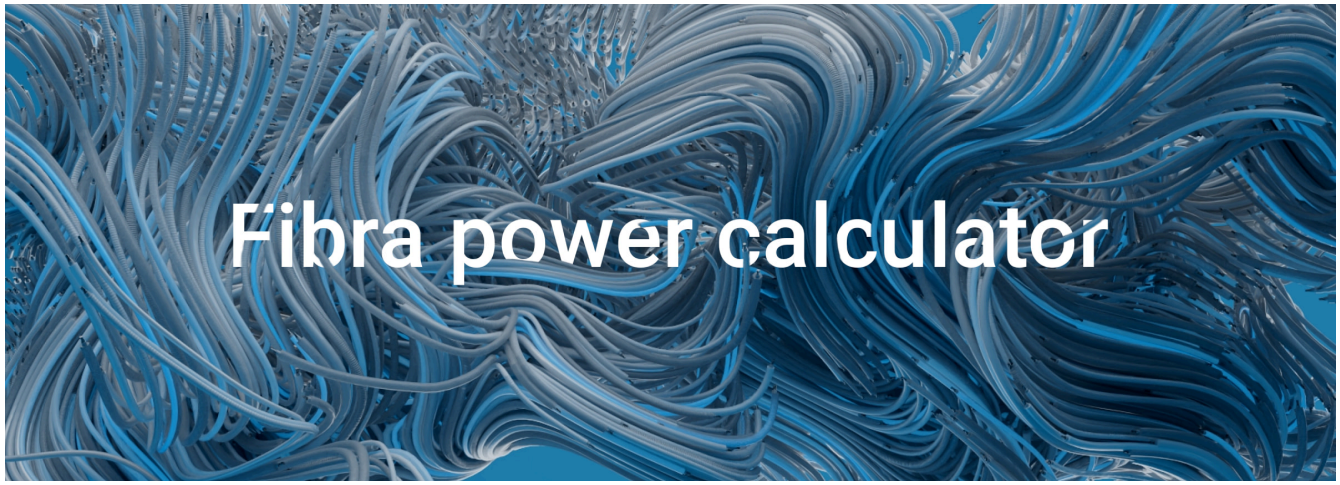
The maximum communication range for wired connection using the **Beam (Radial wiringl)** topology is 2,000 m, and that using the **Ring** topology is 500 m.

Recommended cable types:

- U/UTP cat.5 4×2×0.51 mm (24 AWG) cable, copper conductor;
- 4×0.22 mm² signal cable, copper conductor.

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

Verification using a calculator



To make sure that the project is calculated correctly and such a system will work in practice, we have developed **Fibra power supply calculator**. 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.

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 to intruders. It also ensures greater durability: the cable will be affected by fewer external factors that can impact the wear of the conductor and its insulating layer.

As a rule, system cables are laid at the construction or repair stage after the site has been wired.

If it is 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, e.g., behind the furniture.

Regardless of whether the cable is routed inside the wall or not, it is recommended to use protective pipes, cable conduits, or corrugated pipes to protect cables. 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, take into account not only the general requirements and rules for electrical installation. Consider also installation height, method of fastening, how the cable is inserted into the enclosure, and other parameters of installation.

Before installing, read the **Selecting the installation site** section of this manual. Avoid deviations from the system project. Violation of the basic installation rules and the recommendations of this manual may lead to incorrect operation and loss of connection with Superior StreetSiren Plus Fibra.

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

The signal cables for the system devices must be laid at a distance of at least 50 cm from the power cables when laid in parallel, and at the angle of 90° in case of their intersection.

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.

Preparing cables for connection

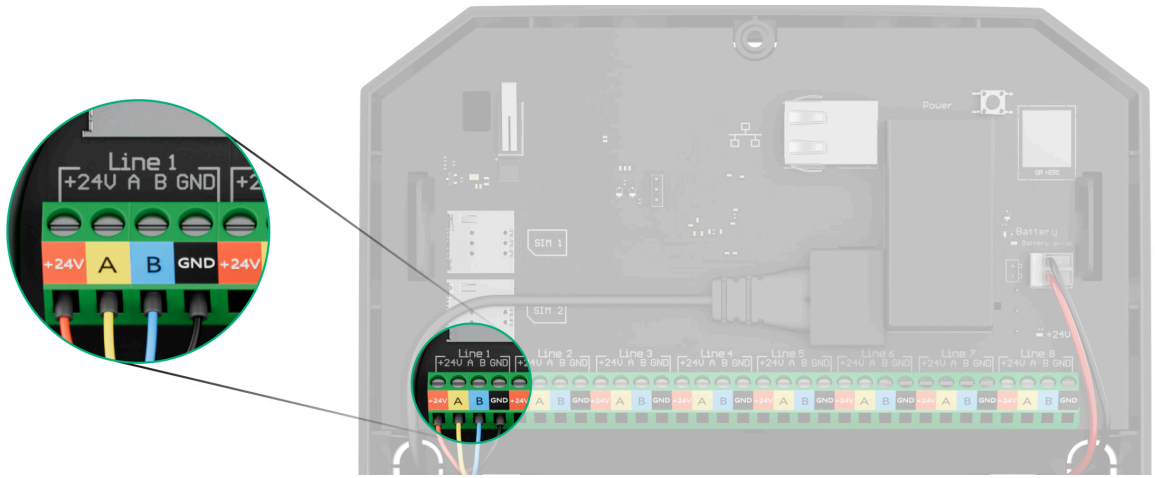
Remove the insulating layer of the cable and strip the cable with a special insulation stripper. The ends of the wires that will be inserted into the terminals of the device must be tinned or crimped with a sleeve. This ensures a reliable

connection and protects the conductor from oxidation. Recommended cable lug sizes: 0.75 to 1 mm² (18 to 17 AWG).

Installation and connection

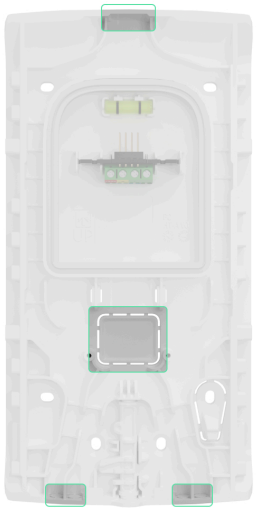
Connecting Superior StreetSiren Plus Fibra to a hub

1. Turn off line power in an **Ajax PRO app**. The function is available in the lines menu:
    1. **Hub → Settings → Lines → Lines Power Supply**.
2. Plug the cable for the device connection into the hub casing. Connect the wires to the required hub line.



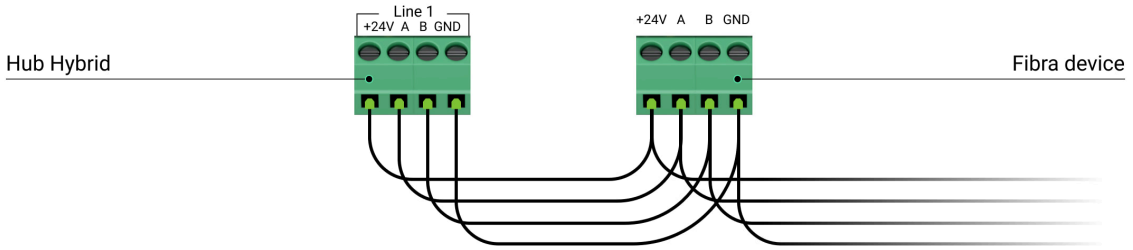
+24V —24 V⎓ power terminal.
A, B — signal terminals.
GND — ground.

3. Remove the SmartBracket mounting panel from the device and cut out the perforated part to route cables from the bottom of the siren or through the wall. Optionally you can use a drill to make 6 mm holes on the top of SmartBracket.



4. 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 that will be inserted into the device terminals should be tinned and soldered together.

5. Connect the wires to the terminals according to the figure below. Be sure to follow the polarity and connection order of the wires. Securely fasten the cable to the terminals. Secure the cable with ties.



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

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

7. Temporarily attach the SmartBracket panel to a vertical surface. This is necessary to run the device tests. The recommended installation height is 2.5 m or more.

8. Install the device on the SmartBracket mounting panel.

9. Turn on lines power in an **Ajax PRO app** (**Hub** → **Settings** → **Lines** → **Lines Power Supply**). When power is applied, the LED lighting will notify you that the device is turned on.

10. **Add Superior StreetSiren Plus Fibra to the hub**.

11. Run the **Fibra signal strength test**. The recommended signal strength is two or three bars. If the signal strength is one or zero bars, check the connection correctness and the cable integrity.

    How to test operability in the correct way

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

13. If the siren passes the tests, fix the SmartBracket mounting panel with bundled screws using all fixing points (one of them is in the perforated part of the mount above the tamper).

> Do not use double-sided adhesive tape to fix the siren, as the device can unstick from the surface at any time.

14. Slide the device onto the SmartBracket mounting panel and lock it. This reduces the risk of device burglary or sabotage.

Adding to an Ajax system

Check the device compatibility before adding the siren to an Ajax system. Only verified partners can add and configure Fibra devices in Ajax PRO apps.

Types of accounts and their rights

Before adding the device

1. Install an **Ajax PRO app**.
2. Log in to a **PRO account** or create a new one.
3. Select a space or create a new one.

What is a space

How to create a space

4. Add at least one virtual room.
5. Add a **compatible hub** to the space. Ensure the hub is switched on and has internet access via Ethernet, Wi-Fi, and/or mobile network.
6. Ensure the space is disarmed and the hub is not starting an update by checking statuses in the Ajax app.

How to add Superior StreetSiren Plus Fibra

Two ways to add sirens are available through an Ajax PRO app: automatically and manually.

To add the siren automatically:

1. Open an **Ajax PRO app**. Select the hub to which you want to add Superior StreetSiren Plus Fibra.
2. Go to the **Devices** tab and select **Add Device**.
3. Select **Add all Fibra devices**. The hub will scan the Fibra lines. After scanning, all devices connected to the hub that have not yet been added to the system

will be shown.

4. Select the device from the list. After pressing, the LED indicator will flash to identify this device.

5. Set the device name and specify the room and security group if the **Group mode** is enabled. Press **Save**.

To add the siren manually:

1. Open an **Ajax PRO app**. Select the hub to which you want to add Superior StreetSiren Plus Fibra.

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**.

If the connection fails, check if the wired connection is valid and try again. If the hub already has the maximum number of devices added, you will get an error notification when you add one.

Up to 10 sirens or keypads with a built-in siren can be connected to one hub.

Superior StreetSiren Plus 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, Superior StreetSiren Plus Fibra is not removed from the device list of the old hub.

Functionality testing

Tests available for Superior StreetSiren Plus Fibra:

- **Fibra signal strength test**. The test allows you to check the signal strength and stability at the installation site.
- **Volume test**. The test allows you to check the current siren volume level and select the optimal volume level for the protected facility.

To run a test:

1. Select a hub in an **Ajax PRO app**.
2. Go to the **Devices** menu.
3. Select **Superior StreetSiren Plus Fibra**.
4. Go to the Superior StreetSiren Plus Fibra settings by tapping on the gear icon .
5. Select:
    1. **Fibra signal strength test**.

2. **Volume Test**.

6. Run the test following the app prompts.

Icons

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

1. Select a hub in an **Ajax app**.
2. Go to the **Devices** tab.
3. Find **Superior StreetSiren Plus Fibra** in the list.

Icon	Meaning
	Fibra signal strength displays the signal strength between the hub and the siren. The recommended value is 2–3 bars. Learn more
	The siren battery charge level is OK. Learn more

	Displayed if the battery charge is 20% or below.
	The battery is not installed.
	Firmware update is available.
	Firmware update has failed.
	Displayed if the mounting panel is unlocked. **Learn more**
	The siren notifies that the doors are opened. **Learn more**
	The siren is deactivated while the armed mode is active. **Learn more**
	Events related to tamper triggering are deactivated for a time the armed mode is active. **Learn more**
	Events related to tamper triggering are permanently deactivated. **Learn more**

	The siren is permanently deactivated. **Learn more**
Offline	The device has lost connection with the hub or the hub has lost connection with the Ajax Cloud server.
Not transferred	The device has not been transferred to the new hub. **Learn more**

States

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

1. Select a hub in an **Ajax app**.
2. Go to the **Devices** tab.
3. Select **Superior StreetSiren Plus Fibra** from the list of devices.

Parameter	Meaning
Data import	Displays the error when transferring data to the new hub: • **Failed** — the device has not been transferred to the new hub. Learn more
Temperature	Device temperature. It is measured by Superior StreetSiren Plus Fibra and changes depending on the ambient temperature. You can create a scenario by temperature to control automation devices. Learn more
Fibra signal strength	Signal strength between a hub and Superior StreetSiren Plus Fibra. The recommended value is 2—3 bars. Fibra is a protocol for transmitting Superior StreetSiren Plus Fibra events and alarms. Learn more

Connection via Fibra	The status of the connection between a hub and the siren: • **Online** — the siren is connected to a hub. • **Offline** — the siren has lost connection with a hub. Check the siren connection to the hub.
Line voltage	The voltage value on the Fibra line to which the siren is connected.
Battery charge	The battery charge level of the device. Next statuses are available: • **OK.** • **Low.** • **No data.** • **Battery not installed.** • **Error.** Additionally, word **charging** will appear if the battery is charging at the moment.
Lid	The tamper status that responds to the detachment of the device from the surface or violation of the siren enclosure integrity:

	• **Open** — the siren is removed from SmartBracket, or the integrity of its enclosure is compromised. Check the device. • **Closed** — the siren is installed on the SmartBracket mounting panel. The integrity of the device enclosure and the mounting panel is not compromised. Normal state. Learn more
Mounting panel	The status of the device tamper, which reacts to unlocking the device from the SmartBracket: • **Unlocked** — SmartBracket is unlocked, or the integrity of the siren enclosure is compromised. Check the siren. • **Locked** — SmartBracket is locked. The integrity of the device enclosure and the mounting panel is not compromised. Normal state. Learn more
Alarm volume	The volume level in case of alarm: • **Muted** — the siren does not sound when the alarm is raised. • **Quiet** — 85 dB volume.

	• **Loud** — 97 dB volume. • **Very loud** — 107 dB volume. The volume level is measured 1 m away from the siren.
Alarm duration	The duration of the sound signal in case of an alarm is from 3 seconds to 3 minutes. Sets in increments of 3 seconds.
LED indication	Settings of the siren LED indication: • **Off** — an LED indication is off. • **Armed** — the siren's LED indicator flashes once every 3 seconds when the system is in **Armed** mode. • **Always** — the siren's LED indicator flashes once every 3 seconds, regardless of the siren security mode. Learn more
Beeps Settings	
Arming/disarming	When the feature is enabled, the siren notifies of arming and disarming by flashing the LED and making a short beep.

Night mode activation/deactivation	When the feature is enabled, the siren notifies you when the **Night mode** is switched on/off by flashing the LED and making a short beep.
Entry delays	When the feature is enabled, the siren notifies of **Delay when entering** with a short beep.
Exit delays	When the feature is enabled, the siren notifies of **Delay when leaving** with a short beep.
Entry delays in Night mode	When the feature is enabled, the siren notifies of delays when entering in **Night mode** with a beep.
Exit delays in Night mode	When the feature is enabled, the siren notifies of delays when leaving in **Night mode** with a beep.
Chime on opening	When the feature is enabled, the siren notifies of the opening detector triggering when the system is **Disarmed**. **Learn more**
Beep volume	Volume of the audible notification of arming/disarming, delays when entering/leaving, or opening detector triggering: • **Quiet** — 85 dB volume. • **Loud** — 97 dB volume.

	• **Very loud** — 107 dB volume. The volume level is measured 1 m away from the siren.
Permanent deactivation	Shows the status of the siren's permanent deactivation setting: • **No** — the siren operates in normal mode. • **Lid only** — the hub admin has disabled notifications of the siren's tamper triggering. • **Entirely** — the siren is entirely excluded from the system operation. The device does not execute system commands and does not report alarms or other events. Learn more
One-time deactivation	Shows the status of the siren's one-time deactivation setting: • **No** — the siren operates in normal mode. • **Lid only** — notifications of the siren's tamper triggering are disabled until the first disarm. • **Entirely** — the siren is entirely excluded from the system operation until the first disarm. The siren does not execute system

	commands and does not report alarms or other events. **Learn more**
Firmware	Siren firmware version.
Device ID	Siren ID/serial number. Also available on the back of the siren casing and its packaging.
Device No.	Siren loop (zone) number.
Line No.	The number of the hub Fibra line to which the siren is connected.

Settings

To change **Superior StreetSiren Plus Fibra** settings, in an Ajax app:

1. Go to the **Devices** tab.
2. Select **Superior StreetSiren Plus Fibra** from the list of devices.
3. Go to **Settings** by tapping on the gear icon.
4. Set the required settings.

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

Settings	Meaning
Name	Name of the siren. Displayed in the list of hub devices and text of SMS and notifications in the events feed. To change the siren name, tap on the text field. The name can contain up to 12 Cyrillic character or up to 24 Latin characters.
Room	Selecting the virtual room to which **Superior StreetSiren Plus Fibra** is assigned. The room name is displayed in the text of SMS and notifications in the events feed.
Notify if device temperature is outside normal range	When the feature is enabled, the system sends notifications of temperature changes that affect the battery charge. This setting is enabled by default.
Audible alarm	Selecting when an audible alarm must be enabled:

	• **Always** — the siren activates an audible alarm regardless of the system's security state. • **Only when armed** — an audible alarm is activated only if the system or the group to which the siren is assigned is armed.
Alarms in Group mode	Selecting the group to which the siren is assigne You can select all groups or one group: • **When assigned to a group**, the siren and its indication are related to the alarms and event of this group. • **When attached to all groups**, the siren and its indication are related to alarms and events of all groups in the system. Regardless of the group selected, the siren will respond to **Night mode** activation and alarms. The feature is displayed if **Group mode** is enabled in the hub settings.
Alarm volume	The siren responds to system alarms with the selected volume: • **Muted** — the siren does not sound when the alarm is raised. • **Quiet** — 85 dB volume.

	• **Loud** — 97 dB volume. • **Very loud** — 107 dB volume. The volume level is measured 1 m away from the siren.
Alarm duration	The duration of the sound signal in case of an alarm is from 3 seconds to 3 minutes. Sets in increments of 3 seconds.
Alarm sound	Allows to choose the alarm signal type: • **Regular** — default sound signal. • **NFA2P-compliant** — sound pattern with length and frequency that meet the requirements of NFA2P. • **VdS-compliant** — sound pattern with length and frequency that comply with the requirements of VdS. Learn more
LED indication	LED indication of the siren state: • **Off** — the LED indication is off.

	• **Armed** — an LED indicator flashes once every 3 seconds only when the system is in **Armed** mode. • **Always** — an LED indicator flashes once every 3 seconds regardless of the security mode. Learn more
LED indication type	It is possible to choose the type of LED indicatio • **Corner backlight** — an LED indicator lights up in the bottom right corner of the siren. • **Full-frame backlight** — the entire LED frame lights up. This feature works only when a built in battery has enough power.
Beeps settings	Opens the siren beeps settings. A description of all alert settings is available below.
Activate buzzer	
If lid is open	When the feature is enabled, the siren will raise a alarm when the lid is opened.
If power supply on a line insufficient	When the feature is enabled, the siren will be activated if the main power loss is detected.

Firmware update	Switches the device to the firmware updating mode if a new version is available.
Fibra signal strength test	Switches the siren to the Fibra signal strength te mode. The test allows you to check the signal strength between a 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 site. **Learn more**
User guide	Opens Superior StreetSiren Plus Fibra user manual in an Ajax app.
Permanent deactivation	Allows a user to disable the siren without removing it from the system. Three options are available: • **No** — the siren operates in normal mode and transmits all events.

	• **Entirely** — the siren does not execute system commands or participate in automation scenarios, and the system ignores siren alarms and other notifications. • **Lid only** — the system only ignores notifications of the siren's tamper triggering. Learn more
One-time deactivation	Allows a user to disable siren events until the firs disarm. Three options are available: • **No** — the siren operates in normal mode. • **Lid only** — notifications of tamper triggering are disabled for a time the armed mode is active. • **Entirely** — the siren is entirely excluded from the system operation when the armed mode active. The siren does not execute system commands and does not report alarms or other events. Learn more
Delete device	Unpairs Superior StreetSiren Plus Fibra from the hub and deletes its settings.

Beeps Settings

Beep on armed mode change

Event	Description	Note
Arming/disarming	When this feature is enabled, the siren warns of arming and disarming by lighting the LED frame and making a short beep.	The LED indication and the sound signal volume depend on the siren settings. Light and/or sound indication can be turned off in the siren settings.
Night mode activation/deactivation	If this feature is enabled, the siren notifies users by backlighting the LED frame and making a short beep when the system is armed/disarmed in **Night mode**.	The LED indication and the sound signal volume depend on the siren settings. Light and/or sound indication can be turned off in the siren settings.
Mute the device when code on keypad is being entered	When the feature is enabled, the siren stops beeping the delays or any other annunciations as soon as a user starts entering the code on the keypad.	

Beep on delays

Entry delays	If this feature is enabled, the siren beeps to notify of the delay when entering. **Learn more**
Exit delays	If this feature is enabled, the siren beeps to notify of the delay when leaving. **Learn more**
Entry delays in Night mode	If this feature is enabled, the siren beeps to notify of the delay when entering in **Night mode**. **Learn more**
Exit delays in Night mode	If this feature is enabled, the siren beeps to notify of the delay when leaving in **Night mode**. **Learn more**

Fast beep on delays

Fast beep on Entry delay expiration	Notifies a user that the **Delay when entering** time is running out. There are 4 options to choose from when the fast beep should start: • **Never** • **Last 5 seconds** • **Last 10 seconds** • **Last 15 seconds**
Fast beep on Exit delay expiration	Notifies a user that the **Delay when leaving** time is running out. There are 4 options to choose from when the fast beep should start: • **Never** • **Last 5 seconds** • **Last 10 seconds** • **Last 15 seconds**

Beep when disarmed

Chime on opening	When this feature is enabled, the siren informs users with a short beep that the opening detectors are triggered in the **Disarmed** system mode. Learn more

Beep volume

Beep volume	Selecting the siren volume level for notifications of arming/disarming, delays when entering/leaving, and that the doors are opened: • **Quiet** — 85 dB volume. • **Loud** — 97 dB volume. • **Very loud** — 107 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 response to alarms of each detector in the system. This feature is helpful if you do not need to activate the siren in case of a specific device's alarm, for example, when **LeaksProtect Jeweller** triggers.

To set the siren response to a device alarm

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

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

Setting the siren response to tamper alarms

In Ajax apps, you can configure the siren response to tamper alarms of each system device. If the feature is enabled, the siren will beep when the device **tamper** is triggered.

To set the siren response to a tamper alarm

1. Open an 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 **Sounds and Alerts**.
6. Enable the **Alert with siren if lid of hub or any detector is open** option.
7. Click **Back** to save the new settings.

The tamper button responds to opening and closing of the enclosure, regardless of the armed mode of the device or system.

Setting the siren response to pressing an in-app panic button

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

To set the siren response to pressing an in-app panic button

1. Open an 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 **Sounds and alerts**.
6. Enable the **Alert with siren if in-app panic button is pressed** option.
7. Tap **Back** to save the new settings.

Setting the siren after-alarm indication

0:00 / 0:03

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

The feature functions as follows:

1. The system registers the alarm.
2. The siren sounds an alarm (duration and volume depend on the settings).
3. The siren uses a light indication with a pattern according to the **LED indication type** setting:

    - The LED indicator in the lower right corner flashes twice, about every 3 seconds.

- The entire LED frame flashes once, about every 15 seconds (if the battery charge level is sufficient).

Indication will continue until the system is disarmed.

With this feature, system users and security company patrols passing by can see that the system has been triggered.

> The siren after-alarm indication does not work for always active detectors if the detector was triggered in case of system disarming.

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

1. Go to the siren settings:
   - **Hub → Settings → Service → LED indication**.
2. Specify which events the sirens will inform about by double flashing of the LED indicator before the system is disarmed:
   - Confirmed intrusion/hold-up alarm.
   - Single intrusion/hold-up alarm.
   - Lid opening.

3. Press **Select devices** and select the required sirens. The new settings will be saved.
4. Tap **Back**. All settings will be applied.

Setting specific alerts on alarm cancellation and alarm abort

In Ajax PRO apps, you can set which devices should beep if the alarm is canceled and which devices should beep if the alarm is aborted in hub settings. The **Alarm cancellation annunciation** and **Alarm abort annunciation** features are required for systems that should comply with ANSI/SIA CP-01-2019 standard*.

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

1. Select the required hub and go to:
   - **Settings** → **Service** → **Arming/disarming process**
2. Ensure that **ANSI/SIA CP-01-2019** is selected for the **Compliance with standard** setting.
3. Select devices for **Specific alert on alarm cancellation** and **Specific alert on alarm abort** features.
4. Tap **Back** to apply the settings.

Learn more about ANSI/SIA CP-01-2019 system requirements

** Superior StreetSiren Plus Fibra is not certified according to ANSI/SIA CP-01-2019.*

How to set up Chime

If **Chime on opening** is enabled, the siren informs 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 the siren **Settings** by tapping 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** section.
6. Set the volume of the beeps. Three options are available (the volume level is measured at a distance of 1 m from the siren):
    1. **Quiet** — 85 dB.
    2. **Loud** — 97 dB.
    3. **Very loud** — 107 dB.

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

7. Tap **Back** to save the settings.
8. Set up the opening detector.

How to set up Chime for opening detectors

Indication

0:00 / 0:05

Event	Indication	Note
Alarm	The siren beeps, and the LED frame flashes red.	The duration and volume of the sound signal depend on the siren settings.

An alarm was detected in an armed system (if the after-alarm indication is enabled)	The siren LED indicator flashes red twice in the lower right corner, approximately every 3 seconds, until the system is disarmed. If the **Full-frame backlight** feature is enabled, the entire LED frame flashes red once every 15 seconds.	The LED indication turns on after the siren has completely played the alarm signal configured in the settings.
The system is armed (if **Beep on armed mode change** is enabled)	The LED frame flashes once, and the siren emits a short beep.	The sound signal volume depends on the **Beep volume** settings.
The system is disarmed (if **Beep on armed mode change** is enabled)	The LED frame flashes twice, and the siren emits two short beeps.	The sound signal volume depends on the **Beep volume** settings.
The siren is in the armed mode (if the indication is configured in **Armed** mode)	The LED indicator in the lower right corner flashes every 3 seconds. If the **Full-frame backlight** feature is enabled, the entire LED frame flashes red once every 15 seconds.	

Deleting the siren from the space	The LED indicator flashes 6 times in the lower right corner, and then the siren turns off. If the **Full-frame backlight** feature is enabled, the entire LED frame flashes 6 times, and then the siren turns off.	
The battery is low	The LED indicator in the lower right corner lights up and goes out when the system's security mode is changed, an alarm is initiated, the siren enclosure is opened, or the siren is detached from the surface.	
Counting delays when entering/leaving (if **Beep on delays** is enabled)	The LED indicator in the lower right corner flashes once every second. If the **Full-frame backlight** feature is enabled, the entire LED frame flashes once every second.	The indication turns on when the delay starts. If the **Fast beep on delays** is enabled, the indication flashes every half second as the delay time approaches the end.

Maintenance

Clean the siren enclosure from dust, cobwebs, and other contaminants as they emerge. Use a soft, dry cloth suitable for equipment care.

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

Technical specifications

All technical specifications of Superior StreetSiren Plus Fibra

Compliance with standards

Setup in compliance with EN requirements

Setup in compliance with ANSI/SIA CP-01-2019 requirements

Setup in compliance with NF and A2P requirements

Complete set

1. Superior StreetSiren Plus Fibra.
2. SmartBracket mounting panel.
3. Installation kit.
4. Quick start guide.

Warranty

Warranty for products of “Ajax Systems Manufacturing” Limited Liability Company is valid for 2 years after 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:

- **email**

- Telegram

Manufactured by “AS Manufacturing” LLC