

Superior StreetSiren Plus Jeweller user manual

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Superior StreetSiren Plus Jeweller is a wireless siren for outdoor and indoor use. Superior edition. It is equipped with an LED frame and a speaker that produces a sound volume of up to 107 dB. The siren can also be powered by a remote 12 V_{DC} power supply.

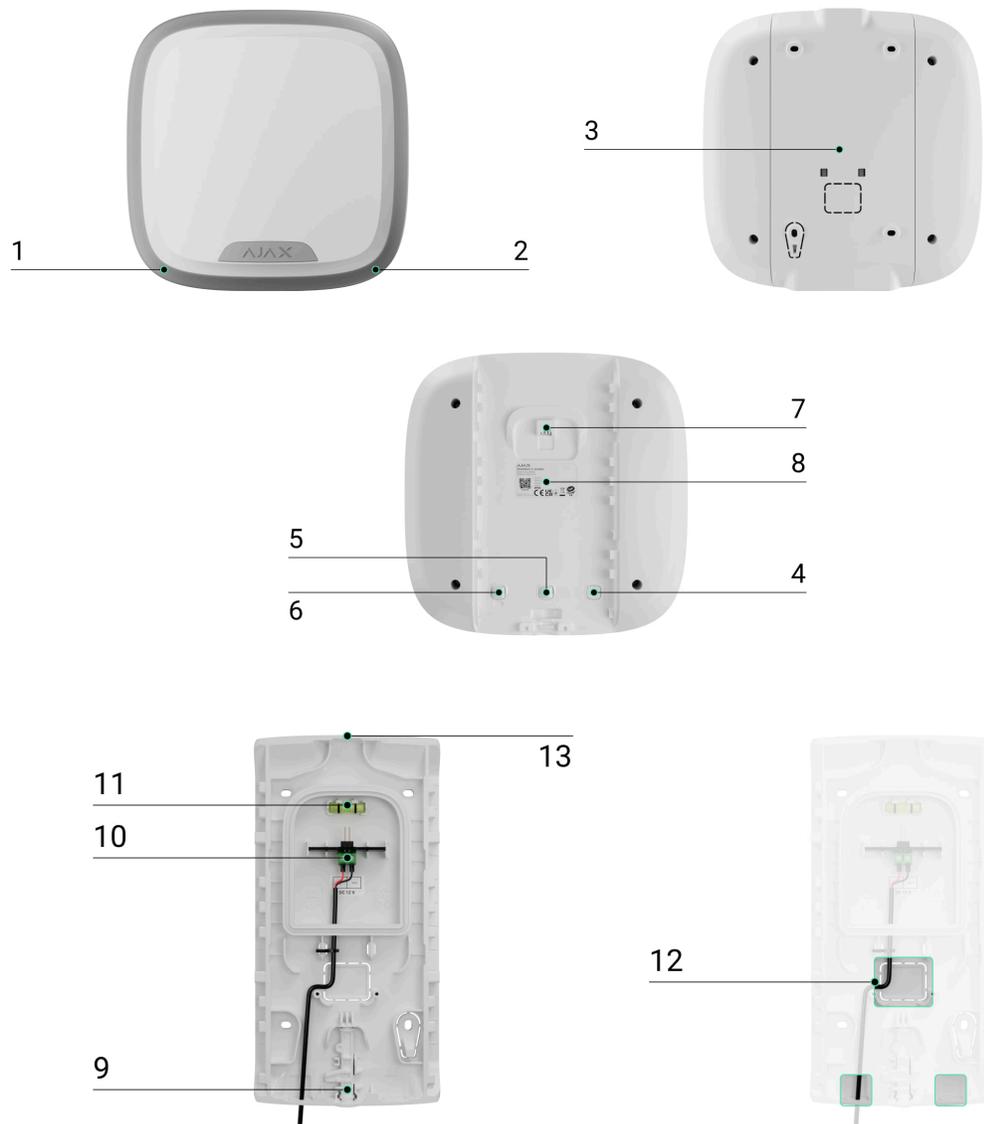
Superior StreetSiren Plus Jeweller operates within an Ajax system and communicates with a [hub](#) via the protected [Jeweller](#) protocol at a distance of up to 4,900 feet in an open space. **Superior StreetSiren Plus Jeweller** operates for up to 10 years on pre-installed batteries.



This product line is developed for projects. Only accredited Ajax Systems partners can sell, install, and administer **Superior** products.

Superior and **Baseline** product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

Functional elements



1. LED frame.

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

3. SmartBracket mounting panel.

4. On/off button.

5. First tamper. It triggers when SmartBracket is unlocked.

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

Compatible hubs and range extenders

The siren is compatible with a hub with OS Malevich 2.26 or later versions.

Check devices compatibility

Operating principle

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 Jeweller** 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. Notices 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 Jeweller is equipped with tamper buttons. 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 following information:

- The hub name (name of the guarded site).
- The incident time.
- The siren's name.
- The alarm type.
- The virtual room to which the siren is assigned.

It is difficult for intruders to dismount or disconnect the triggered siren if it is installed properly. The siren has a robust enclosure and a protected speaker and operates on pre-installed batteries. Therefore, the device will continue to operate

even if there is a power outage at the site. Also, the power button is blocked if the system is armed. This feature prevents the siren from being turned off.

Jamming detection

Superior StreetSiren Plus Jeweller features a radio interference detection algorithm. When a potential jamming attempt occurs, the algorithm detects a sudden increase or decrease in the noise level. It takes into account not only the amplitude of the noise but also the duration over time. This helps to distinguish between short, temporary disruptions caused by environmental conditions and sustained interference resulting from intentional jamming.

When **Superior StreetSiren Plus Jeweller** detects a potential jamming signal, it initiates signal analysis to confirm jamming. If jamming is confirmed, the siren activates an alarm.

When the **Radio interference detection** feature is enabled, the security company and users will receive a notification of a sabotage attempt, and the sound of a siren will scare away intruders.

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 Jeweller 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 Jeweller** and a hub.
5. 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.

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](#).

Adding to an Ajax system



Superior StreetSiren Plus Jeweller is incompatible with [Hub \(2G\) Jeweller](#), [Hub \(4G\) Jeweller](#) and third-party security control panels.

To pair **Superior StreetSiren Plus Jeweller** with the hub, you must locate the siren at the same secured site as the system (within the range of the hub radio network). If you plan to use the [ReX Jeweller](#) or [ReX 2 Jeweller](#) radio signal range extender, first add the siren to the hub and then connect it to **ReX Jeweller** or **ReX 2 Jeweller** in the range extender settings.



The hub and the device operating at different radio frequencies are incompatible. The device's radio frequency range may vary by region. We recommend purchasing and using Ajax devices in the same region. You can check the range of operating radio frequencies with the [technical support service](#).

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.



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Pairing with an Ajax hub

1. Open an Ajax PRO app. Select the hub you want to add the device to.
2. Go to the **Devices**  tab and tap **Add Device**.
3. Name the device, scan or type in the **QR code** (placed on the device and the package box), and select a room and a group (if Group mode is enabled).
4. Tap **Add**.
5. Turn on the device by holding the power button for 3 seconds. The hub sends a connection request only when the siren is turned on.



The power button is recessed into the enclosure and is tight to press. You can use a thin, hard object, such as a pencil, to press it.

To be paired with the hub, **Superior StreetSiren Plus Jeweller** must be within the hub's radio communication range, i.e., at the same guarded site.

Superior StreetSiren Plus Jeweller shuts down automatically 6 seconds after turning on if it cannot be added to the hub. There is no need to deactivate the device to retry pairing. If **Superior StreetSiren Plus Jeweller** is already assigned to another hub, turn off the siren and follow the standard addition procedure.

The added siren will appear in the list of hub **Devices** in the app. Updating device statuses in the list depends on the polling interval defined in Jeweller settings. The default value is 36 seconds.



It is possible to add up to 10 sirens or keypads with a built-in siren to one hub.

Malfunctions

When a malfunction is detected, an Ajax app displays a malfunction counter on the device icon. All malfunctions are shown in the device states. Fields with malfunctions are highlighted in red.

A malfunction is displayed if:

- The device temperature is outside acceptable limits.
- SmartBracket is unlocked (tamper is triggered).
- No connection with the hub or radio signal range extender via Jeweller.
- The device battery is low.

Icons

The icons display some **Superior StreetSiren Plus Jeweller** states. To access them:

1. Sign in to the [Ajax app](#).
2. Select a hub.

3. Go to the **Devices** tab.

Icon	Meaning
	<p>Jeweller signal strength. Displays the signal strength between the hub and the siren. The recommended value is 2–3 bars.</p> <p><u>Learn more</u></p>
	<p>The siren battery charge level is OK.</p> <p><u>Learn more</u></p>
	<p>Displayed if the battery charge is 25% or below.</p>
	<p>Displayed if the mounting panel is unlocked.</p> <p><u>Learn more</u></p>
	<p>Displayed if a high level of radio interference is detected.</p> <p><u>Learn more</u></p>
	<p>Displayed if Signal attenuation test is set to Attenuation or Max.</p> <p><u>Learn more</u></p>
	<p>Displayed when the siren operates via a <u>radio signal range extender</u>.</p>
	<p>The siren notifies that the doors are opened.</p> <p><u>Learn more</u></p>
	<p>The siren is permanently deactivated.</p> <p><u>Learn more</u></p>
	<p>Events related to tamper triggering are permanently deactivated.</p>

	<u>Learn more</u>
	The siren is deactivated while the armed mode is active. <u>Learn more</u>
	Events related to tamper triggering are deactivated for a time the armed mode is active. <u>Learn more</u>
	The siren has not been transferred to a new hub. <u>Learn more</u>

States

The states include information about the siren and its operating parameters. The states of **Superior StreetSiren Plus Jeweller** can be found in [Ajax apps](#):

1. Go to the **Devices**  tab.
2. Select **Superior StreetSiren Plus Jeweller** from the list.

Parameter	Meaning
Malfunction	Tapping on  opens the list of the device malfunctions. The field is displayed only if a malfunction is detected.
Temperature	Device temperature. It is measured by the processor and changes depending on the ambient temperature.

	<p>You can create a scenario by temperature to control automation devices.</p> <p>Learn more</p>
<p>Jeweller signal strength</p>	<p>Signal strength between the siren and a hub (or a range extender) via the Jeweller channel. The recommended value is 2–3 bars.</p> <p>Jeweller is a protocol for transmitting Superior StreetSiren Plus Jeweller events and alarms.</p>
<p>Connection via Jeweller</p>	<p>Status of connection between a hub (or a range extender) and Superior StreetSiren Plus Jeweller:</p> <ul style="list-style-type: none"> • Online – the siren is added to a hub (or a range extender). • Offline – the siren is not added to a hub (or a range extender).
<p>ReX</p>	<p>Displays the status of using a radio signal range extender.</p> <div data-bbox="834 1226 1450 1369" style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-top: 10px;">  <p>The field is not displayed if the siren operates directly with a hub.</p> </div>
<p>Battery charge</p>	<p>Battery level of the siren. Two states available:</p> <ul style="list-style-type: none"> • OK. • Battery low. <p>When the batteries are discharged, users and the security company will receive appropriate notifications.</p>

How battery charge is displayed in

Ajax apps

Lid	<p>The status of the siren's tamper, which responds if the enclosure is damaged:</p> <ul style="list-style-type: none">• 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. <p><u>What is a tamper</u></p>
Mounting panel	<p>The status of the siren's tamper, which responds if SmartBracket is unlocked:</p> <ul style="list-style-type: none">• 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.
External power	<p>External power supply status of the siren:</p> <ul style="list-style-type: none">• Connected – a remote 12 V\approx power supply is connected to the siren.• Disconnected – the siren is powered by pre-installed batteries.
Alarm volume	<p>The volume level in case of alarm:</p> <ul style="list-style-type: none">• Muted – the siren does not sound when the alarm is raised.• Quiet – 85 dB volume.

	<ul style="list-style-type: none"> • Loud – 97 dB volume. • Very loud – 107 dB volume. <p>The volume level is measured 3.3 ft away from the siren.</p>
Alarm duration	<p>The duration of the sound signal in case of an alarm is from 3 seconds to 3 minutes.</p> <p>Sets in increments of 3 seconds.</p>
LED indication	<p>Settings of the siren LED indication:</p> <ul style="list-style-type: none"> • 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.
Beeps settings	
Arming/disarming	<p>When the feature is enabled, the siren notifies of arming and disarming by flashing the LED and making a short beep.</p>
Night mode activation/deactivation	<p>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.</p>
Entry delays	<p>When the feature is enabled, the siren notifies of <u>Delay when entering</u> with a short beep.</p>
Exit delays	<p>When the feature is enabled, the siren notifies of <u>Delay when leaving</u> with a short beep.</p>
Entry delays in Night mode	<p>When the feature is enabled, the siren notifies of delays when entering in <u>Night mode</u> with a beep.</p>
Exit delays in Night mode	<p>When the feature is enabled, the siren notifies of delays when leaving in <u>Night mode</u> with a</p>

	beep.
Chime on opening	<p>When the feature is enabled, the siren notifies of the opening detector triggering when the system is Disarmed.</p> <p><u>Learn more</u></p>
Beep volume	<p>Volume of the audible notification of arming/disarming, delays when entering/leaving, or opening detector triggering:</p> <ul style="list-style-type: none">• Quiet – 85 dB volume.• Loud – 97 dB volume.• Very loud – 107 dB volume. <p>The volume level is measured 3.3 ft away from the siren.</p>
Radio interference level	<p>Shows whether the noise level in the radio channel is high:</p> <ul style="list-style-type: none">• OK – noise in the radio channel is at an acceptable level.• High – noise level in the radio channel is too high. <p><u>Learn more</u></p>
Permanent deactivation	<p>Shows the status of the siren's permanent deactivation setting:</p> <ul style="list-style-type: none">• 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	<p>Shows the status of the siren's one-time deactivation setting:</p> <ul style="list-style-type: none"> • 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. <p>Learn more</p>
Firmware	Siren firmware version.
Device ID	Siren ID. Also available on the back of the siren enclosure and its package.
Device No.	Siren loop (zone) number.

Settings

To change **Superior StreetSiren Plus Jeweller** settings in the [Ajax apps](#):

1. Go to the **Devices**  tab.
2. Select **Superior StreetSiren Plus Jeweller** from the list.
3. Go to **Settings** by clicking on the gear icon .
4. Set the required parameters.
5. Tap **Back** to save the new settings.

Settings	Meaning
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Name	<p>Name of the siren. Displayed in the list of hub devices and text of SMS and notifications in the events feed.</p> <p>To change the siren name, tap on the text field.</p> <p>The name can contain up to 12 Cyrillic characters or up to 24 Latin characters.</p>
Room	<p>Selecting the virtual room to which Superior StreetSiren Plus Jeweller is assigned.</p> <p>The room name is displayed in the text of SMS and notifications in the events feed.</p>
Audible alarm	<p>Selecting when an audible alarm must be enabled:</p> <ul style="list-style-type: none"> • 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	<p>Selecting the group to which the siren is assigned. You can select all groups or one group:</p> <ul style="list-style-type: none"> • When assigned to a group, the siren and its indication are related to the alarms and events of this group. • When attached to all groups, the siren and its indication are related to alarms and events of all groups in the system. <p>Regardless of the group selected, the siren will respond to Night mode activation and alarms.</p> <p><u>Learn more</u></p>
Alarm volume	<p>The siren responds to system alarms with the selected volume:</p>

	<ul style="list-style-type: none"> • Muted – the siren does not sound when the alarm is raised. • Quiet – 85 dB volume. • Loud – 97 dB volume. • Very loud – 107 dB volume. <p>The volume level is measured 3.3 ft away from the siren.</p>
Alarm duration	<p>The duration of the sound signal in case of an alarm is from 3 seconds to 3 minutes.</p> <p>Sets in increments of 3 seconds.</p>
Alarm sound	<p>Allows for choosing the type of alarm signal:</p> <ul style="list-style-type: none"> • Regular – default sound signal. • NFA2P-compliant – sound pattern with length and frequency that comply with NFA2P requirements. <p><u>Learn more</u></p>
LED indication	<p>LED indication of the siren state:</p> <ul style="list-style-type: none"> • 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. <p><u>Learn more</u></p>
LED indication type	<p>If an external power supply is connected, it is possible to choose between types of LED indication:</p>

	<ul style="list-style-type: none"> • 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 is available only when an external power supply is connected.
Radio interference detection	If the feature is enabled, the security company and users will be notified of a sabotage attempt.
Beeps settings	Opens the siren notification settings. A detailed description of the settings is available below .
Activate buzzer	
If lid is open	If the feature is enabled, the siren will raise an alarm when the lid is opened.
If high level of radio interference detected	If the feature is enabled, the siren will raise an alarm when a high level of radio interference is detected.
Jeweller signal strength test	It switches the siren to the signal strength test mode. Learn more
Volume test	It switches the siren to the volume test mode. Learn more
Signal attenuation test	Switches the siren to the signal attenuation test mode. Learn more
Device self-test	The siren will perform a self-test to check if the battery charge is sufficient to operate.
User guide	Opens Superior StreetSiren Plus Jeweller 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:

	<ul style="list-style-type: none"> • 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. <p><u>Learn more</u></p> <p>The system can also automatically deactivate the siren when the preset number of alarms is exceeded or when the recovery timer expires.</p> <p><u>Learn more</u></p>
One-time deactivation	<p>Allows a user to disable siren events until the first disarm.</p> <p>Three options are available:</p> <ul style="list-style-type: none"> • 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 is active. The siren does not execute system commands and does not report alarms or other events. <p><u>Learn more</u></p>
Delete device	<p>Unpairs Superior StreetSiren Plus Jeweller from the hub and deletes its settings.</p>

Beeps settings

Event	Meaning
Beep on armed mode change	
Arming/disarming	When this feature is enabled, the siren warns of arming and disarming by lighting the LED frame and making a short beep.
Night mode activation/deactivation	<p>If the 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.</p> <p><u>Learn more</u></p>
Mute the device when code on keypad is being entered	Mutes the annunciation beeps once a user starts to enter a passcode on the keypad. This feature allows users to focus on the system disarming.
Beep on delays	
Entry delays	<p>If this feature is enabled, the siren beeps to notify of the delay when entering.</p> <p><u>What is Delay when entering/leaving</u></p>
Exit delays	If this feature is enabled, the siren beeps to notify of the delay when leaving.
Entry delays in Night mode	<p>If this feature is enabled, the siren beeps to notify of the delay when entering in Night mode.</p> <p><u>What is Night mode</u></p>
Exit delays in Night mode	If this feature is enabled, the siren beeps to notify of the delay when leaving in Night mode.
Fast beep on delays	
Fast beep on Entry delay expiration	<p>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:</p> <ul style="list-style-type: none"> • Never

	<ul style="list-style-type: none"> • Last 5 seconds • Last 10 seconds • Last 15 seconds
Fast beep on Exit delay expiration	<p>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:</p> <ul style="list-style-type: none"> • Never • Last 5 seconds • Last 10 seconds • Last 15 seconds
Beep when disarmed	
Chime on opening	<p>When this feature is enabled, the siren informs users with a short beep that the opening detectors are triggered in the Disarmed system mode.</p> <p><u>Learn more</u></p>
Beep volume	<p>A user can select the volume level of the siren at the time of notification on arming/disarming, delay when entering/leaving, and opening:</p> <ul style="list-style-type: none"> • Quiet – 85 dB volume. • Loud – 97 dB volume. • Very loud – 107 dB volume. <p>The volume level is measured 3.3 ft away from the siren.</p>

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 the Ajax app.
2. Go to the **Devices**  tab.
3. Select a device from the list for which you want to configure the siren response.
4. Go to the device **Settings** .
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's tamper is triggered.

To set the siren response to a tamper alarm:

1. Open the Ajax app.
2. Go to the **Devices**  tab.
3. Go to the device **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. Tap **Back** to apply the settings.

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

The siren can respond to pressing an in-app panic button.



A panic button can be pressed even if the system is not armed.

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

1. Open the [Ajax app](#).
2. Go to the **Devices**  tab.
3. Go to the device **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 apply the settings.

Setting the siren after-alarm indication

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

The feature functions as follows:

1. The system registers the alarm.
2. The siren plays 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 3 seconds (if an external power supply is connected).

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 when the system was disarmed.

To enable the siren after-alarm indication, in the [Ajax PRO app](#):

1. Go to siren settings:

- **Hub** → **Settings**  → **Service** → **Led indication**

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

- Confirmed intrusion/hold-up alarm
- Single intrusion/hold-up alarm
- Lid opening

3. Select the sirens needed. Go back to **LED indication**. The set parameters will be saved.

4. Tap **Back**. All values 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 Jeweller is not certified according to ANSI/SIA CP-01-2019.*

How to set up Chime

Chime is a sound signal that indicates the triggering of the opening detectors when the system is disarmed. The feature is used, for example, in stores to notify employees that someone has entered the building.

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

[How to set up Chime](#)

Indication

Event	Indication
Alarm	<p>The siren beeps, and the LED frame flashes red.</p> <p>The duration and volume of the alarm, as well as the presence of LED indication, depend on the siren settings.</p>
An alarm was detected in an armed system (if the after-alarm indication is enabled)	<p>The siren LED indicator flashes red twice in the lower right corner, approximately every 3 seconds, until the system is disarmed.</p> <p>If the Full-frame backlight feature is enabled, the entire LED frame flashes red once every 3 seconds.</p> <p>The LED indication turns on after the siren has completely played the alarm signal configured in the settings.</p>
Switching on	The LED frame flashes red once.
Switching off	The LED frame lights up red for 1 second and then flashes 3 times.
Hub connection is failed	The LED indicator flashes 6 times in the lower right corner. Then the entire LED frame flashes 3 times, and then the siren turns off.
The system is armed (if the LED indication is enabled)	The LED frame flashes once, and the siren emits a short beep.
The system is disarmed (if the LED indication is enabled)	The LED frame flashes twice, and the siren emits two short beeps.
The siren is in armed mode (if the LED indication is enabled)	<p>The LED indicator in the lower right corner lights up every 3 seconds.</p> <p>If the Full-frame backlight feature is enabled, the entire LED frame lights up every 3 seconds.</p>
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)	<p>The LED indicator in the lower right corner flashes once every second.</p> <p>If the Full-frame backlight feature is enabled, the entire LED frame flashes once every second.</p> <p>The indication turns on when the delay starts. If the Fast beep on delays feature is enabled, the LED indicator flashes every half second as the delay time approaches the end.</p>

Functionality testing

An Ajax system offers several tests to help select the device installation place. Tests do not start immediately. However, the waiting time does not exceed the duration of one “hub–device” polling interval. The polling interval can be checked and configured in hub settings (**Hub** → **Settings**  → **Jeweller** or **Jeweller/Fibra**).

To run the test, in an Ajax app:

1. Select the required hub.
2. Go to the **Devices**  tab.
3. Select **Superior StreetSiren Plus Jeweller** from the list.
4. Go to **Settings** .
5. Select a test:
 - Jeweller signal strength test.
 - Signal attenuation test.
 - Volume test.
 - Device self-test.

6. Run the test.

Selecting the installation site

The placement of **Superior StreetSiren Plus Jeweller** is determined by its distance from the hub and the presence of obstacles that impede the passage of the radio signal, such as walls, inter-floor constructions, or large-size objects at the site.

When choosing a proper location, consider the audibility of the siren, as well as the visibility of its LED indication, as this determines the device's performance.

Superior StreetSiren Plus Jeweller withstands heat, cold, and temperature drops. The sealed enclosure is certified and complies with the IP54 protection class. The siren is protected from rain and snow and can be installed on the facade of the building without a canopy.

Signal strength

The Jeweller signal strength is determined by the number of undelivered or corrupted data packages over a certain period of time. The icon  in the **Devices**  tab shows 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.



Check the Jeweller signal strength before performing a final installation. With a signal strength of one or zero bars, we do not guarantee the stable operation of the device. Consider relocating the device, as repositioning even by 20 cm can significantly improve the signal strength. If there is still a poor or unstable signal after the relocation, use a [radio signal range extender](#).

How not to 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.
- Near metal objects and mirrors. They can shield and attenuate the radio signal.
- Closer than 3.3 ft from a hub or radio signal range extender. This can lead to a loss of communication with the device.
- In a place with a low signal level. This may result in the loss of the connection with a hub.

Installation

Connecting a third-party power supply unit

When connecting a third-party power supply unit and using **Superior StreetSiren Plus Jeweller**, follow the general electrical safety regulations for using electrical appliances and the requirements of regulatory legal acts on electrical safety.

Superior StreetSiren Plus Jeweller operates on pre-installed batteries for up to 10 years and is equipped with terminals for connecting a 12 V $\overline{=}$ power supply unit.



Before installing the device, be sure to check the insulation of the wires for damage. Use only a grounded power source. It is strictly forbidden to disassemble the device under voltage! Do not use the device with a damaged power cable.

To connect a third-party power supply unit:

1. Carefully break out the corresponding perforated part to exit the cable from the back or bottom of SmartBracket. If you need to run a cable from the top, drill a

0.24" hole on the top in the marked area of the SmartBracket mounting panel.

2. Route the cable of an unenergized power supply unit through the mounting panel.
3. Connect the cable to the terminal block, observing the polarity.
4. Turn on the power, and the **External power** field setting will change to **Connected** in the **Superior StreetSiren Plus Jeweller** states tab.
5. Install the siren.

After connecting a remote power supply, do not remove the batteries from the siren, as they function as a backup power source.



The system will notify users of the need for service when the battery level drops to 25%.

Installing the siren



Before installing the siren, ensure that the optimal location that complies with the requirements of this manual is selected.

The recommended installation height is 8.2 ft or more. This will make it difficult for intruders to access the device. If you try to detach the siren from the mounting panel, the system will raise an alarm. The security company and users will receive a notification of a sabotage attempt, and the siren will scare away the intruders.

To install the siren:

1. Fasten the SmartBracket mounting panel to the surface using bundled screws. When using other fasteners, ensure they do not damage or deform the panel.



Double-sided adhesive tape should only be used for temporary installation. The device attached with such tape may come unstuck from the surface at any time. As long as

the device is taped, the tamper is not triggered when the device is detached from the surface.

2. Attach the siren to SmartBracket and press it down to install.
3. Secure the siren with a lock. This reduces the risk of burglary.

Maintenance

Check the functioning of the device regularly. Clean the device enclosure of dust, cobwebs, and other contaminants as they emerge. Use soft dry wipes suitable for equipment care.

Do not use any substances containing alcohol, acetone, petrol, and other active solvents to clean the device.

The batteries installed in the siren provide up to 10 years of battery life. If the batteries are low, the system will send a corresponding notification, and the LED indicator in the lower right corner will light up and go 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.

Technical specifications

[All technical specifications of Superior StreetSiren Plus Jeweller](#)

[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](#)

Warranty

Warranty for the “Ajax Systems Manufacturing” Limited Liability Company products is valid for 2 years after the purchase.

If the device does not function correctly, please contact the Ajax Technical Support first. In most cases, technical difficulties can be resolved remotely.

Warranty obligations

User Agreement

Contact Technical Support:

- **email**
- **Telegram**

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