

# Superior StreetSiren Plus G3 Jeweller user manual

Updated March 24, 2026



**Superior StreetSiren Plus G3 Jeweller** is a wireless siren for outdoor and indoor use. It is equipped with an LED frame and a speaker that emits a sound with a volume of up to 107 dB. A remote 12 V<sub>DC</sub> power supply can also be connected to the siren.

**Superior StreetSiren Plus G3 Jeweller** operates within an Ajax system and communicates with the [hub](#) via the secure [Jeweller](#) and [Wings](#) protocols. The communication range in open space is up to 3,500 meters, depending on the hub model. The siren operates for up to 10 years on pre-installed batteries in standby mode and up to 4.2 years with one 90-second alarm per day.

**i** Superior StreetSiren Plus G3 Jeweller is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.

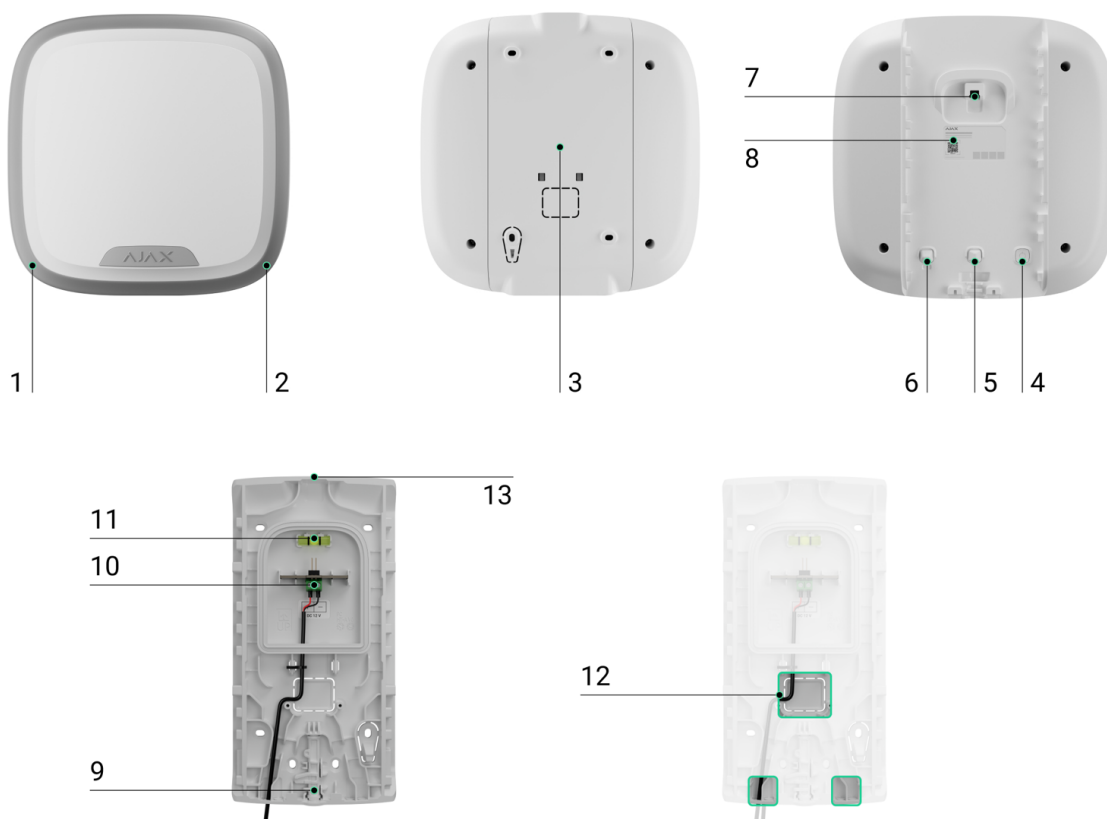


[Learn more](#)



[Buy Superior StreetSiren Plus G3 Jeweller](#)

## Functional elements



1. LED frame.

2. LED indicator.

3. SmartBracket mounting panel.
4. Power button.
5. First tamper button. It is triggered when SmartBracket is unlocked.
6. Second tamper button. It is triggered if an attempt to detach the siren from the surface or remove it from SmartBracket is detected.
7. Connector on the siren for an external power supply.
8. QR code with the device ID. It is used to add the siren to the hub.
9. Lock for SmartBracket. It is used to fix the siren on the 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 the hub running OS Malevich 2.35 or later versions.



[Check device compatibility](#)

## Operating principle



The siren performs four tasks:

- 1. Informs about alarms.** The siren responds to tamper and system alarms. Thanks to a speaker and LED indication, the siren can scare away intruders and attract attention.
- 2. Indicates the security state.** With LED indication, the siren notifies that the site is armed. The siren informs users about entry/exit delays with a sound signal and backlight.
- 3. Notifies of the door being opened (Chime).** When the site is disarmed, the siren informs users with a special sound that the opening detectors have been 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 passing security patrols can see that the siren has been triggered.

## Alarm volume and duration

After an alarm is activated, the siren sounds for 3 seconds to 3 minutes, emitting a sound with a 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 G3 Jeweller** is equipped with tamper buttons. The tamper button is triggered when the siren enclosure is opened/broken or when someone attempts to remove the siren from SmartBracket.

In the event of sabotage, users and the monitoring company know exactly which siren intruders are trying to disable. The notifications contain the following information:

- Hub name (name of the protected site).
- Incident time.
- Siren name.
- Alarm type.
- Virtual room to which the siren is assigned.

It is difficult for intruders to dismantle 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 in the event of 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 G3 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 its duration. This helps to distinguish between short, temporary disruptions caused by environmental conditions and sustained interference resulting from intentional jamming.

When **Superior StreetSiren Plus G3 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 monitoring company and users will receive a notification of a sabotage attempt, and the siren sound will scare away intruders.

## Superior Jeweller data transfer protocol

**Superior Jeweller** is an upgraded radio protocol for Superior devices, ensuring compliance with EN 50131 (Grade 3). It features advanced encryption and frequency hopping. Full frequency hopping is available only when all devices in the system use Superior Jeweller. If at least one device operates via the regular Jeweller protocol, the system will be limited to **Grade 2**: encryption remains, but frequency hopping is disabled. Superior devices can also operate via the regular Jeweller protocol, depending on the hub.



[Learn more](#)

## Wings data transfer protocol

**Wings** is a proprietary wireless communication technology for

transmitting large data packets. The device uses Wings to upload firmware updates.



[Learn more](#)

## Advanced encrypted communication

Communication between **Superior StreetSiren Plus G3 Jeweller** and the hub is protected by an advanced encryption scheme that ensures data confidentiality and integrity. This means that all sensitive data in the message is encrypted, and each message includes a unique authentication tag allowing the system to verify that the data has not been modified during transmission. The system can reliably detect tampering and reject forged or altered messages, providing robust protection against both passive and active attacks. This ensures secure communication between the device and the hub, as well as reliable system and data protection.



[Learn more about advanced encrypted communication](#)

## Frequency hopping

To comply with the Grade 3 requirements, **Superior StreetSiren Plus G3 Jeweller** uses **frequency hopping** for radio communication with the hub (or the radio signal range extender). With this method, the hub and devices added to it change their operating frequency according to a defined pattern. The hopping sequence covers a defined set of channels within the operating bands, and the devices switch frequencies synchronously with the hub. Even if some channels are affected by jamming, messages can be transmitted successfully via other channels. Frequency hopping improves the

system's reliability and performance and ensures its resistance to intentional interference and jamming attempts.

Frequency hopping does not cause delays or pauses in radio communication and does not reduce the data transfer speed. If range extenders are added to the system, frequency hopping is used for all radio communications: "device ↔ range extender" and "range extender ↔ hub".



The system uses frequency hopping for radio communication only if all wireless devices support this method.

If at least one device added to the system does not support frequency hopping, the hub and all devices switch to the operating frequencies of that device and do not use frequency hopping for radio communication.





[Learn more about frequency hopping](#)



[Learn more](#)

## Firmware update

If a new firmware version is available for **Superior StreetSiren Plus G3 Jeweller**, the  icon will appear in [Ajax apps](#) in the **Devices**  tab. An admin or a PRO with access to system settings can launch an update via device [states](#) or [settings](#). The on-screen instructions will help update the firmware successfully.

## Sending events to the monitoring station

An Ajax system transmits alarms and events to the [Ajax PRO Desktop](#) monitoring app and the monitoring station in the formats of [SurGard \(Contact ID\)](#), [SIA \(DC-09\)](#), [ADEMCO 685](#), and [other protocols](#).

**Superior StreetSiren Plus G3 Jeweller can transmit the following events:**

1. Lid opened/closed.
2. Mounting panel locked/unlocked.
3. Main power lost/restored.
4. Hub connection lost/restored.
5. Siren turned on/off.

When an alarm is received, the monitoring station operator knows what has happened and precisely where to dispatch a rapid response team. Ajax device addressability enables the system to send events to **Ajax PRO Desktop** or monitoring software, specifying the device type, its name, security group, and virtual room. The list of transmitted parameters may differ depending on the type of monitoring software and the selected communication protocol.



You can find the device's ID and loop (zone) number in the device [states](#)

## Adding to the system



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. The [technical support service](#) can help you check the operating frequency range.


[Check the device compatibility](#) before adding the siren to the system. Superior StreetSiren Plus G3 Jeweller is a device of the [Superior product line](#). Only accredited Ajax Systems partners can sell, install, and maintain Superior products.

[Types of accounts and their rights](#)

## Before adding the device

1. Install an [Ajax PRO app](#).
2. Log in to your [PRO account](#) or create a new one.
3. Select a [space](#) or create a new one.
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. Check the states in the Ajax app to ensure the space is disarmed and the hub is not starting an update.

## Adding to the hub

1. Open an [Ajax PRO app](#). Select a [space](#) to which you want to add the device.
2. Go to the **Devices**  tab and tap **Add device**.

3. Assign a name to the device.
4. Scan a QR code or enter the device ID manually. The QR code with ID is placed on the device enclosure. Also, it is duplicated on the device packaging.



5. Select a virtual room and a security group (if Group mode is enabled).
6. Tap **Add**, and the countdown will begin.
7. 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 difficult to press. You can use a thin, hard object, such as a pencil, to press it.

To be added to the hub, **Superior StreetSiren Plus G3 Jeweller** must be within the hub's radio communication range, i.e., at the same protected site.

**Superior StreetSiren Plus G3 Jeweller** shuts down automatically 6 seconds after being turned on if it cannot be added to the hub. There is no need to deactivate the device to retry the connection. If **Superior StreetSiren Plus G3 Jeweller** is already assigned to another hub, turn off the siren and follow the standard connection procedure.

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

## Malfunctions

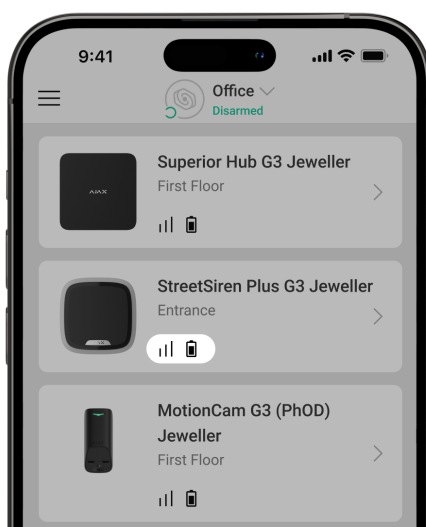
When a malfunction is detected, an Ajax app displays a malfunction counter on the device icon. All malfunctions are shown in the device states. Fields with malfunctions are highlighted in red.

### A malfunction is displayed if:


- The device temperature is outside acceptable limits.
- SmartBracket is unlocked (the tamper button is triggered).
- There is no connection to the hub or radio signal range extender via Jeweller.


- There is no connection to the hub or radio signal range extender via Wings.
- The device battery is low.










## Icons







The icons display some **Superior StreetSiren Plus G3 Jeweller** states. To access them:

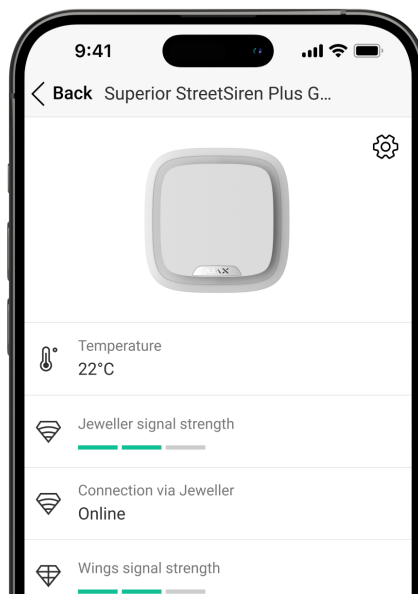
1. Sign in to an [Ajax app](#).
2. Select the hub.
3. Go to the **Devices**  tab.

Icon	Meaning
	Jeweller signal strength. It displays the signal strength between the hub and the siren. The recommended value is 2–3 bars.


	<p><a href="#">Learn more</a></p>
	<p>The siren battery charge level is OK.</p> <p><a href="#">Learn more</a></p>
	<p>A firmware update is available. Go to the device states or settings to find the description and launch an update.</p>
	<p>Displayed if the battery charge is 25% or below.</p>
	<p>Displayed if the mounting panel is unlocked.</p> <p><a href="#">Learn more</a></p>
	<p>Displayed if a high level of radio interference is detected.</p> <p><a href="#">Learn more</a></p>
	<p>Displayed if Signal attenuation test is set to Attenuation or Max.</p> <p><a href="#">Learn more</a></p>
	<p>Displayed when the siren operates via a <a href="#">radio signal range extender</a>.</p>
	<p>The siren notifies that the doors have been opened.</p> <p><a href="#">Learn more</a></p>
	<p>The device is in the Signal attenuation test mode.</p> <p><a href="#">Learn more</a></p>


	<p>The siren is permanently deactivated.</p> <p><a href="#"><u>Learn more</u></a></p>
	<p>Tamper alarm notifications are permanently deactivated.</p> <p><a href="#"><u>Learn more</u></a></p>
	<p>The siren is deactivated until the system is disarmed.</p> <p><a href="#"><u>Learn more</u></a></p>
	<p>Tamper alarm notifications are deactivated until the system is disarmed.</p> <p><a href="#"><u>Learn more</u></a></p>
<p>Offline</p>	<p>The device has lost connection to the hub, or the hub has lost connection to the Ajax Cloud server.</p>
<p>Not transferred</p>	<p>The device has not been transferred to the new hub.</p> <p><a href="#"><u>Learn more</u></a></p>

## States




The states include information about the siren and its operating parameters. The states of **Superior StreetSiren Plus G3 Jeweller** can be found in [Ajax apps](#):

1. Go to the **Devices**  tab.
2. Select **Superior StreetSiren Plus G3 Jeweller** from the list.

Parameter	Meaning
Data import	Displays an error in transferring data to the new hub: <ul style="list-style-type: none"> <li>• <b>Failed</b> – the device has not been transferred to the new hub.</li> </ul> <p><a href="#">Learn more</a></p>
Malfunction	If you tap  , the device’s list of malfunctions will open. <p>The field is displayed only if a malfunction</p>

	is detected.
New firmware version available	<p>If you tap ⓘ, the instructions for updating the device's firmware will open.</p> <p>The field is displayed if a new firmware version is available.</p>
Temperature	<p>Device temperature. It is measured by the processor and changes depending on the ambient temperature.</p> <p>You can create a scenario by temperature to control automation devices.</p> <p><a href="#">Learn more</a></p>
Jeweller signal strength	<p>Signal strength between the siren and the hub (or the range extender) via the Jeweller channel. The recommended value is 2–3 bars.</p> <p>Jeweller is a protocol for transmitting events and alarms.</p>
Connection via Jeweller	<p>Connection status between the siren and the hub (or the range extender) via the Jeweller channel:</p> <ul style="list-style-type: none"> <li>• <b>Online</b> – the siren is added to the hub (or the range extender). Normal state.</li> <li>• <b>Offline</b> – the siren is not added to the hub (or the range extender). Check the siren connection.</li> </ul>
	Wings signal strength between the siren and the hub (or the range extender). The

<p>Wings signal strength</p>	<p>recommended value is 2–3 bars.</p> <p>Wings is a protocol for updating the device’s firmware.</p>
<p>Connection via Wings</p>	<p>Connection status between the siren and the hub (or the range extender) via the Wings channel:</p> <ul style="list-style-type: none"> <li>• <b>Online</b> – the siren is added to the hub (or the range extender). Normal state.</li> <li>• <b>Offline</b> – the siren is not added to the hub (or the range extender). Check the siren connection.</li> </ul>
<p>Transmitter power</p>	<p>Displays the selected transmitter power.</p> <p>The field is displayed when the <b>Max</b> or <b>Attenuation</b> option is selected in the <b>Signal attenuation test</b> menu.</p> <p><a href="#">Learn more</a></p>
<p>&lt;Range extender name&gt;</p>	<p>State of the siren connection to a <a href="#">radio signal range extender</a>.</p> <div data-bbox="798 1563 1358 1765" style="border: 1px solid black; background-color: #333; color: white; padding: 10px; border-radius: 10px;">  <p>The field is not displayed if the siren operates directly via the hub.</p> </div>
	<p>Battery level of the siren. Two states available:</p>

<p>Battery charge</p>	<ul style="list-style-type: none"> <li>• <b>OK</b></li> <li>• <b>Battery low</b></li> </ul> <p>When a battery needs to be replaced, users and the monitoring company will receive corresponding notifications.</p> <p><a href="#"><u>Learn more</u></a></p>
<p>Lid</p>	<p>State of the siren’s tamper button, which responds if the enclosure integrity is compromised:</p> <ul style="list-style-type: none"> <li>• <b>Open</b> – the siren has been removed from SmartBracket, or the integrity of its enclosure is compromised. Check the device.</li> <li>• <b>Closed</b> – the siren is installed on the SmartBracket mounting panel. The integrity of the device enclosure and the mounting panel is not compromised. Normal state.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
<p>Mounting panel</p>	<p>State of the siren’s tamper button, which responds if SmartBracket is unlocked:</p> <ul style="list-style-type: none"> <li>• <b>Unlocked</b> – SmartBracket is unlocked, or the integrity of the siren enclosure is compromised. Check the siren.</li> <li>• <b>Locked</b> – SmartBracket is locked. The integrity of the device enclosure and the mounting panel is not compromised. Normal state.</li> </ul>

External power	<p>State of the siren's external power supply:</p> <ul style="list-style-type: none"> <li>• <b>Connected</b> – an remote 12 V<sub>DC</sub> power supply is connected to the siren.</li> <li>• <b>Disconnected</b> – the siren is powered by pre-installed batteries.</li> </ul>
Alarm volume	<p>Volume level when an alarm is activated:</p> <ul style="list-style-type: none"> <li>• <b>Muted</b> – the siren does not sound when an alarm is raised.</li> <li>• <b>Quiet</b> – 85 dB volume.</li> <li>• <b>Loud</b> – 97 dB volume.</li> <li>• <b>Very loud</b> – 107 dB volume.</li> </ul> <p>The volume level is measured 1 m away from the siren.</p>
Alarm duration	<p>Duration of a sound signal when an alarm is activated: from 3 seconds to 3 minutes.</p> <p>Configured in 3-second increments.</p>
LED indication	<p>LED indication of the siren state:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> – LED indication is off.</li> <li>• <b>Armed</b> – the siren's LED indicator flashes once every 3 seconds when the system is armed.</li> <li>• <b>Always</b> – the siren's LED indicator</li> </ul>

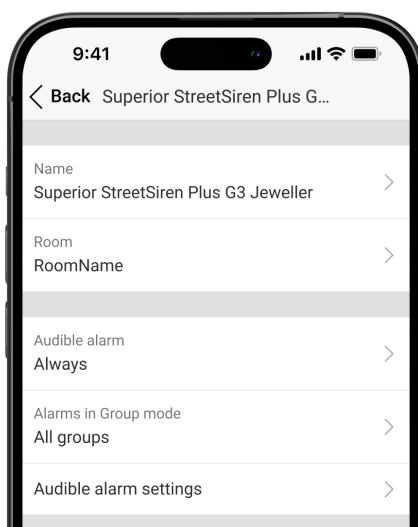
	<p>flashes once every 3 seconds regardless of the siren’s security mode.</p>
Advanced encryption	<p>The state of the communication with advanced encryption between the device and the hub or radio signal range extender:</p> <ul style="list-style-type: none"> <li>• <b>Active</b> – the device communication is protected by advanced encryption.</li> <li>• <b>Inactive</b> – the device communication operates without advanced encryption.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
<b>Beep settings</b>	
Arming/disarming	<p>When the feature is enabled, the siren’s LED indicator starts flashing, while the siren emits a short beep to notify users of arming/disarming.</p>
Night mode activation/deactivation	<p>When the feature is enabled, the siren’s LED indicator starts flashing, while the siren emits a short beep to notify users that <a href="#"><u>Night mode</u></a> is switched on/off.</p>
Entry delays	<p>When the feature is enabled, the siren sounds a short beep to indicate <a href="#"><u>entry delay</u></a>.</p>
Exit delays	<p>When the feature is enabled, the siren sounds a short beep to indicate <a href="#"><u>exit delay</u></a>.</p>
	<p>When the feature is enabled, the siren</p>

Entry delays in Night mode	sounds to indicate entry delay in <a href="#">Night mode</a> .
Exit delays in Night mode	When the feature is enabled, the siren sounds to indicate exit delay in <a href="#">Night mode</a> .
Chime on opening or doorbell button press	When the feature is enabled, the siren signals the triggering of opening detectors or DoorBell button press when the system is disarmed.  <a href="#">Learn more</a>
Beep volume	Volume of audible notifications of arming/disarming, entry/exit delays, or the door being opened:  <ul style="list-style-type: none"> <li>• <b>Quiet</b> – 85 dB.</li> <li>• <b>Loud</b> – 97 dB.</li> <li>• <b>Very loud</b> – 107 dB.</li> </ul> <p>The volume level is measured 1 m away from the siren.</p>
Radio interference level	The field shows whether the noise level in the radio channel is high:  <ul style="list-style-type: none"> <li>• <b>OK</b> – the noise level in the radio channel is acceptable.</li> <li>• <b>High</b> – the noise level in the radio channel is too high.</li> </ul> <a href="#">Learn more</a>



<p>Permanent deactivation</p>	<p>The field shows the state of the siren's permanent deactivation setting:</p> <ul style="list-style-type: none"> <li>• <b>No</b> – the siren operates in normal mode.</li> <li>• <b>Lid only</b> – a hub admin has disabled notifications of the tamper button triggering.</li> <li>• <b>Entirely</b> – the siren is entirely excluded from the system operation. The device does not execute system commands and does not report alarms or other events.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
<p>One-time deactivation</p>	<p>The field shows the state of the siren's one-time deactivation setting:</p> <ul style="list-style-type: none"> <li>• <b>No</b> – the siren operates in normal mode.</li> <li>• <b>Lid only</b> – notifications of the tamper button triggering are disabled until the system is disarmed.</li> <li>• <b>Entirely</b> – the siren is entirely excluded from the system operation until the system is disarmed. The siren does not execute system commands and does not report alarms or other events.</li> </ul> <p><a href="#"><u>Learn more</u></a></p>
<p>Firmware</p>	<p>Siren's firmware version.</p>

Device ID	Siren ID. It is also available on the back of the siren enclosure and its packaging.
Device No.	Number of the device loop (zone).

## Settings



To change **Superior StreetSiren Plus G3 Jeweller** settings in [Ajax apps](#):

1. Go to the **Devices**  tab.
2. Select **Superior StreetSiren Plus G3 Jeweller** from the list.
3. Go to **Settings** by tapping on the gear  icon.
4. Set the required parameters.
5. Tap **Back** to save the new settings.

Setting	Meaning
Name	<p>Name of the siren. Displayed in the list of hub devices and text of SMS and notifications in the event 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 <b>Superior StreetSiren Plus G3 Jeweller</b> is assigned.</p> <p>The room name is displayed in the text of SMS and notifications in the event feed.</p>
Audible alarm	<p>Selecting when an audible alarm must be activated:</p> <ul style="list-style-type: none"> <li>• <b>Always</b> – the siren activates an audible alarm regardless of the system's security state.</li> <li>• <b>Only when armed</b> – an audible alarm is activated only if the system or the group to which the siren is assigned is armed.</li> </ul>
	<p>Selecting the group to which the siren should be assigned. You can select all groups or one group:</p> <ul style="list-style-type: none"> <li>• <b>If the siren is assigned to a specific group</b>, it notifies of alarms and events of that group only.</li> </ul>

Alarms in Group mode	<ul style="list-style-type: none"> <li>• <b>When attached to all groups</b>, it notifies of alarms and events of all groups in the system.</li> </ul> <p>Regardless of the selected group, the siren will respond to <b>Night mode</b> activation and alarms in that mode.</p> <p><a href="#"><u>Learn more</u></a></p>
Alarm volume	<p>The siren responds to system alarms with the selected volume:</p> <ul style="list-style-type: none"> <li>• <b>Muted</b> – the siren does not sound when an alarm is raised.</li> <li>• <b>Quiet</b> – 85 dB.</li> <li>• <b>Loud</b> – 97 dB.</li> <li>• <b>Very loud</b> – 107 dB.</li> </ul> <p>The volume level is measured 1 m away from the siren.</p>
Alarm duration	<p>Duration of a sound signal when an alarm is activated: from 3 seconds to 3 minutes.</p> <p>Configured in 3-second increments.</p>
Alarm sound	<p>Allows choosing the type of alarm signal:</p> <ul style="list-style-type: none"> <li>• <b>Regular</b> – default sound signal.</li> <li>• <b>NFA2P-compliant</b> – sound pattern with duration and frequency that</li> </ul>

	<p>comply with NFA2P requirements.</p> <p><a href="#">Learn more</a></p>
LED indication	<p>LED indication of the siren state:</p> <ul style="list-style-type: none"> <li>• <b>Off</b> – LED indication is off.</li> <li>• <b>Armed</b> – the siren’s LED indicator flashes once every 3 seconds only when the system is armed.</li> <li>• <b>Always</b> – the siren’s LED indicator flashes once every 3 seconds regardless of the security mode.</li> </ul> <p><a href="#">Learn more</a></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"> <li>• <b>Corner backlight</b> – the LED indicator lights up in the lower right corner of the siren.</li> <li>• <b>Full-frame backlight</b> – the entire LED frame lights up. This feature is available only when an external power supply is connected.</li> </ul>
Radio interference detection	<p>If the feature is enabled, the monitoring company and users will be notified of a sabotage attempt.</p>
Beep settings	<p>Allows a user to open the siren beep settings. A detailed description of the settings is <a href="#">available below</a>.</p>

<b>Activate buzzer</b>	
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	<p>Allows a user to switch the siren to the <b>Jeweller signal strength test</b> mode.</p> <p><a href="#"><u>Learn more</u></a></p>
Wings signal strength test	<p>Allows a user to switch the siren to the <b>Wings signal strength test</b> mode.</p> <p>The test allows users to check the signal strength between the hub (or the radio signal range extender) and the siren via the wireless Wings data transfer protocol to select the optimal installation site.</p> <p><a href="#"><u>Learn more</u></a></p>
Firmware update	Allows a user to switch the siren to the <b>Firmware update</b> mode if a new version is available.
Volume test	<p>Allows a user to switch the siren to the <b>Volume test</b> mode.</p> <p><a href="#"><u>Learn more</u></a></p>
Signal attenuation test	<p>Allows a user to switch the siren to the <b>Signal attenuation test</b> mode.</p> <p><a href="#"><u>Learn more</u></a></p>

<p>Device self-test</p>	<p>The siren will run a self-test to check if the battery charge is sufficient to operate.</p>
<p>User manual</p>	<p>Allows a user to open <b>Superior StreetSiren Plus G3 Jeweller</b> user manual in an Ajax app.</p>
<p>Permanent deactivation</p>	<p>Allows a user to disable the siren without removing it from the system.</p> <p>Three options are available:</p> <ul style="list-style-type: none"> <li>• <b>No</b> – the siren operates in normal mode and transmits all events.</li> <li>• <b>Entirely</b> – the siren does not execute system commands or participate in automation scenarios; the system ignores siren alarms and other notifications.</li> <li>• <b>Lid only</b> – the system only ignores notifications of the siren’s tamper button triggering.</li> </ul> <p><b><u><a href="#">Learn more</a></u></b></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><b><u><a href="#">Learn more</a></u></b></p>
	<p>Allows a user to disable siren events until the system is disarmed.</p> <p>Three options are available:</p>

<p>One-time deactivation</p>	<ul style="list-style-type: none"> <li>• <b>No</b> – the siren operates in normal mode.</li> <li>• <b>Lid only</b> – notifications of the tamper button triggering are disabled until the system is disarmed.</li> <li>• <b>Entirely</b> – the siren is completely disabled until the system is disarmed. The siren does not execute system commands and does not report alarms or other events.</li> </ul> <p><a href="#">Learn more</a></p>
<p>Delete device</p>	<p>Allows a user to disconnect <b>Superior StreetSiren Plus G3 Jeweller</b> from the hub and delete its settings.</p>

## Beep settings

Setting	Meaning
<b>Beep on armed mode change</b>	
Arming/disarming	When the feature is enabled, the siren’s LED indicator starts flashing, while the siren emits a short beep to notify users of arming/disarming.
Night mode activation/deactivation	When the feature is enabled, the siren’s LED indicator starts flashing, while the siren emits a short beep to notify users that <b>Night mode</b> is switched on/off.

	<p><a href="#"><u>Learn more</u></a></p>
Mute the device when code on keypad is being entered	Mutes the annunciation beeps once a user starts to enter a code on the keypad. This feature allows users to focus on system disarming.
<b>Beep on delays</b>	
Entry delays	<p>If this feature is enabled, the siren beeps to notify of entry delay.</p> <p><a href="#"><u>Learn more</u></a></p>
Exit delays	<p>If this feature is enabled, the siren beeps to notify of exit delay.</p> <p><a href="#"><u>Learn more</u></a></p>
Entry delays in Night mode	<p>If this feature is enabled, the siren beeps to notify of entry delay in Night mode.</p> <p><a href="#"><u>Learn more</u></a></p>
Exit delays in Night mode	<p>If this feature is enabled, the siren beeps to notify of exit delay in Night mode.</p>
<b>Fast beep on delays</b>	
Fast beep on Entry delay expiration	<p>Notifies a user that the <b>Entry delay</b> time is running out. There are four options to choose from when the fast beep should start:</p> <ul style="list-style-type: none"> <li>• <b>Never</b></li> <li>• <b>Last 5 seconds</b></li> </ul>



	<ul style="list-style-type: none"> <li>• <b>Last 10 seconds</b></li> <li>• <b>Last 15 seconds</b></li> </ul>
<p>Fast beep on Exit delay expiration</p>	<p>Notifies a user that the <b>Exit delay</b> time is running out. There are four options to choose from when the fast beep should start:</p> <ul style="list-style-type: none"> <li>• <b>Never</b></li> <li>• <b>Last 5 seconds</b></li> <li>• <b>Last 10 seconds</b></li> <li>• <b>Last 15 seconds</b></li> </ul>
<p><b>Beep when disarmed</b></p>	
<p>Chime on opening or doorbell button press</p>	<p>When this feature is enabled, the siren informs users with a short beep that the opening detectors are triggered when the system is disarmed.</p> <p><a href="#"><u>Learn more</u></a></p>
<p>Beep volume</p>	<p>Allows a user to select the volume level of the siren for alerts about arming/disarming, entry/exit delay, and the door being opened:</p> <ul style="list-style-type: none"> <li>• <b>Quiet</b> – 85 dB.</li> <li>• <b>Loud</b> – 97 dB.</li> <li>• <b>Very loud</b> – 107 dB.</li> </ul>

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 when a specific device is triggered. For example, when LeaksProtect Jeweller activates an alarm.

### To set the siren response to a device alarm:

1. Open an Ajax app.
2. Go to the **Devices**  tab.
3. Select a device for which you want to configure the siren response.
4. Go to the device **Settings** .
5. Find the **Alert with siren** section and enable the desired toggles.
6. Repeat steps 3–5 for other system devices.





By default, the siren responds to 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 button is triggered.

### To set the siren response to a tamper alarm:

1. Open an [Ajax app](#).
2. Go to the **Devices**  tab.
3. Select the hub and go to its **Settings** .
4. Select the **Service** menu.
5. Go to **Sounds and alerts**.
6. Enable the **If lid of hub or any detector is open** option.
7. Tap **Back** to apply the settings.



## Setting the siren response to the in-app panic button press

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 the in-app panic button press:

1. Open an [Ajax app](#).
2. Go to the **Devices**  tab.
3. Select the hub and go to its **Settings** .

4. Select the **Service** menu.
5. Go to **Sounds and alerts**.
6. Enable the **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 users about triggering in the armed system with 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 LED indication with a pattern according to the **LED indication type** setting:

- The LED indicator in the lower right corner flashes twice approximately every 3 seconds.
- The entire LED frame flashes once approximately every 3 seconds if an external power supply is connected.

Indication will continue until the system is disarmed.

With this feature, system users and passing security patrols can see that the siren 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 an [Ajax PRO app](#):**

1. Go to hub settings:

- **Hub** → **Settings**  → **Service** → **LED indication**

2. Specify which events the sirens will indicate with a double LED flash before the system is disarmed:

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

3. Select the required sirens. 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 an alarm is canceled and which devices should beep if an alarm is aborted.

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 alert 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](#)

*\* Superior StreetSiren Plus G3 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 opening detectors when the system is disarmed. The feature is used, for example, in stores to notify employees that someone has entered the premises.

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



[Learn more](#)

## Indication




Event	Indication
Alarm	The siren beeps, and the LED frame flashes red.  The duration and volume of an alarm, as well as the presence of LED indication, depend on the siren settings.


<p>An alarm was detected in the armed system  (if after-alarm indication is enabled)</p>	<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 <b>Full-frame backlight</b> feature is enabled, the entire LED frame flashes red once every 3 seconds.</p> <p>LED indication turns on after the siren has completely played the alarm signal configured in the settings.</p>
<p>The siren is on</p>	<p>The LED frame flashes red once.</p>
<p>The siren is off</p>	<p>The LED frame lights up red for 1 second and then flashes 3 times.</p>
<p>Hub connection has failed</p>	<p>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.</p>
<p>The system is armed  (if LED indication is enabled)</p>	<p>The LED frame flashes once, and the siren emits a short beep.</p>
<p>The system is disarmed  (if LED indication is enabled)</p>	<p>The LED frame flashes twice, and the siren emits two short beeps.</p>
<p>The siren is in armed mode  (if LED indication is enabled)</p>	<p>The LED indicator in the lower right corner lights up every 3 seconds.</p> <p>If the <b>Full-frame backlight</b> feature is enabled, the entire LED frame lights up every 3 seconds.</p>
	<p>The LED indicator in the lower right</p>


Battery is low	corner lights up and goes out when the system's security mode is changed, an alarm is activated, the siren enclosure is opened, or the siren is detached from the surface.
Entry/exit delay running  (if <b>Beep on delays</b> is enabled)	<p>The LED indicator in the lower right corner flashes once every second.</p> <p>If the <b>Full-frame backlight</b> feature is enabled, the entire LED frame flashes once every second.</p> <p>The indication turns on when the delay starts. If the <b>Fast beep on delays</b> feature is enabled, the LED indicator flashes every half second as the delay time approaches its end.</p>
Hub connection loss	The LED indicator flashes red 3 times every 6 seconds.

## Functionality testing

An Ajax system provides several tests to help select the correct installation place for the siren. The tests do not start immediately. However, the waiting time does not exceed the duration of one 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 G3 Jeweller** from the list.
4. Go to **Settings** .
5. Select the test:
  1. Jeweller signal strength test.
  2. Wings signal strength test.
  3. Signal attenuation test.
  4. Volume test.
  5. Device self-test.
6. Run the test.

## Device self-test

The device self-test allows users to check the battery state of the device. The test runs automatically once every 24 hours, immediately after the device is powered on and after the lid is closed. The self-test can also be run manually from an Ajax app to check the battery health at any time.

The remote self-test takes up to 10 seconds, while the automatic self-test does not interrupt the detector's operation and lasts up to 2 seconds.

## Selecting the installation site





The placement of **Superior StreetSiren Plus G3 Jeweller** is determined by its distance from the hub and the presence of obstacles that interfere with the radio signal, such as walls, inter-floor constructions, or large objects at the site.

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

**Superior StreetSiren Plus G3 Jeweller** withstands heat, cold, and temperature changes. 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 packets 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 7.87" can significantly improve the signal strength. If there is still a poor or unstable signal after the relocation, use a [radio signal range extender](#)

## Where not to install the siren

- Near glass break detectors. The siren sound may trigger an alarm.
- In places where an audible signal of the siren may be jammed.
- In places where the siren's LED indication will not be visible.
- Near metal objects and mirrors. They may shield and attenuate the radio signal.
- Closer than 1 m to the hub (or the radio signal range extender). This may result in communication loss between the siren and the hub.
- In a place with a low signal strength. This may result in communication loss with the hub.

# Installation

## Connecting a third-party power supply

When connecting a third-party power supply and using **Superior StreetSiren Plus G3 Jeweller**, follow the general electrical safety regulations for using electrical appliances and the requirements of regulatory legal acts on electrical safety.

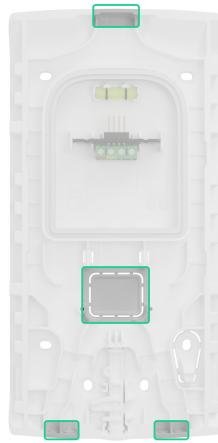
**Superior StreetSiren Plus G3 Jeweller** operates on pre-installed batteries for up to 10 years and is equipped with terminals for connecting a 12 V<sub>DC</sub> power supply.



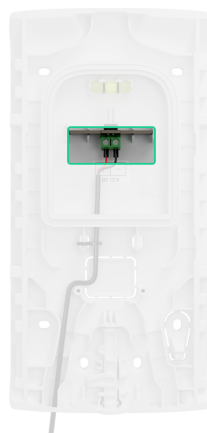
Before installing the device, ensure that the wires are not damaged. Use only a grounded power source. It is strictly forbidden to disassemble the device while it is under voltage. Do not use the device with a damaged power cable.

### To connect a third-party power supply:

1. Carefully break off the corresponding perforated part to route the cable from the back or bottom of SmartBracket. If you need to run the cable from the top, drill a 6 mm hole at the top of the marked area on the SmartBracket mounting panel.



2. Route the cable of an unenergized power supply 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 G3 Jeweller state tab.
5. Install the siren.

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



The system will notify users if maintenance is required when the battery level drops to 25%.

## Installing the siren



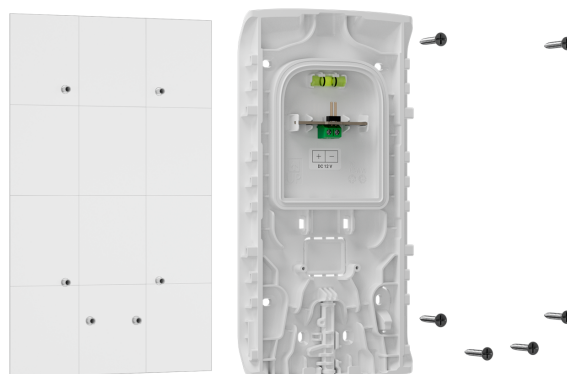
Before installing the siren, ensure that the optimal location that complies with the requirements of this manual is selected.

The minimum recommended installation height is 2.5 m. This will make it difficult for intruders to access the device. If someone tries to detach the siren from the mounting panel, the system will raise an alarm. The monitoring company and users will receive a notification of a sabotage attempt, and the siren will scare away intruders.

### To install the siren:

1. Secure the SmartBracket mounting panel to the surface with

bundled screws. If you plan to use 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 secured with the double-sided adhesive tape, the tamper button will not be 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 the lock. This reduces the risk of theft.



## Maintenance

Check the siren regularly to ensure it is operating properly. Clean the device enclosure of dust, cobwebs, and other contaminants as they appear. Use soft, dry wipes suitable for equipment care.

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

The batteries installed in the siren provide up to 10 years of battery life. If the battery is low, the system will send a corresponding notification. In addition, 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 activated, the siren enclosure is opened, or the siren is detached from the surface.

## Technical specifications



[All technical specifications](#)



[Compliance with standards](#)

## Warranty

The warranty for the products of the Limited Liability Company "Ajax Systems Manufacturing" is valid for 2 years after purchase.

If the device does not operate properly, we recommend contacting the support service first, as most technical issues can be resolved remotely.



[Warranty obligations](#)



[User Agreement](#)

### Contact technical support:

- [email](#)
- [Telegram](#)

Manufactured by “AS Manufacturing” LLC