

Tech specs

SUPERIOR

Superior StreetSiren Plus Jeweller

Wireless siren with advanced sabotage protection and an extended list of compliance certificates. For outdoor and indoor use.



Device compatibility

Check

Communication

Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote control and configuration in Ajax apps.

Learn more 

Frequency bands

866.0–866.5 MHz

868.0–868.6 MHz

868.7–869.2 MHz

905.0–926.5 MHz

915.85–926.5 MHz

921.0–922.0 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 25 mW

Automatic power control to reduce power consumption and noise interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,500 m

Between the siren and a hub (or a range extender) in an open space.

Calculate radio communication range at the facility [➤](#)

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more [➤](#)

Key features

Alarm type

acoustic and light

A speaker and LED frame.

Type of warning device

type X

External, self-powered, remote power source with EN 50131-6 compliant power supply.

Alarm volume

from 85 to 107 dB at a distance of 1 m

Adjusted by a PRO or user with admin rights in the Ajax app.

Alarm duration

from 3 s to 3 min

Adjusted by a PRO or user with admin rights in the Ajax app.

Alarm sound

2 types

NFA2P-compliant and Regular.

LED indication

2 types

If the siren has an external power supply, the user can choose between the **Corner backlight** and **Full-frame backlight** features. If the siren is powered by a battery, only the **Corner backlight** feature is available.

Alarm LED indication in NFA2P-compliant mode

flashlight color — red

flashlight frequency — 1 flash per second

Siren sound frequency

- 1,400–1,600 Hz in **NFA2P-compliant** mode
- 1,400–1,600 Hz in **Regular** mode

Device self-test

Allows you to check whether the battery is sufficiently charged for normal operation.

Events indication

- Alarms.
- Delays when entering/leaving.
- Security mode.
- Security mode changing.
- After-alarm indication.

Chime

The siren makes a special sound to notify that the opening detectors are triggered when the facility is disarmed.

Learn more 

Recommendations

The siren is designed for indoor and outdoor use. Recommended installation height is 2.5 m or higher.

Sabotage protection

Tamper alarm

Notifications on attempts to open the siren's enclosure, detach the siren from the surface, or remove the siren from the mounting panel.

Learn more 

Protection against spoofing

device authentication

Jamming detection

The siren detects jamming and alarms about it.

Learn more 

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings.

Learn more 

Power supply

Batteries

8 × CR123A 3 V⁼⁼ lithium battery

Pre-installed.

Type

Type C.

Calculated battery life

up to 10 years

Siren's operating voltage range

3.65–6.2 V⁼⁼

Siren's nominal operating voltage

3 V⁼⁼ in standby mode

6 V⁼⁼ when the siren sounds

Quiescent siren's current consumption

75.6 µA

Peak siren's current consumption at nominal voltage

690 mA

When the siren sounds at the **Very loud** volume level.

Average siren's current consumption at nominal voltage

126 mA

When the siren sounds at the default volume level. Regardless of the arming mode.

Full capacity

12,800 mAh

Low battery voltage

4.65 V $\approx$

End-of-life battery voltage

3.65 V $\approx$

Manufacturer

Huiderui

Electric shock protection class

Class III

Optional power supply

Remote power supply's operating voltage

9.6–14.4 V_{DC}

Remote power supply's nominal voltage

12 V_{DC}

Quiescent siren's current consumption at nominal voltage

8 mA

Average siren's current consumption at nominal voltage

80 mA

When the siren sounds at the default volume level. Regardless of the arming mode.

Peak siren's current consumption at nominal voltage

420 mA

When the siren sounds at the **Very Loud** volume level.

Enclosure

Dimensions

210 × 210 × 71 mm

Weight of the white device

1,146 g

Weight of the black device

1,124 g

Operating temperature range

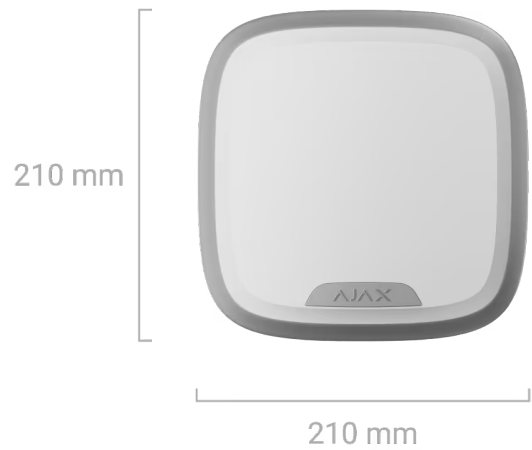
from -25 °C to +60 °C

Operating humidity

up to 95% with no condensation

Protection class

IP54, IK08



Colors

Black

White



Complete set

Superior StreetSiren Plus Jeweller

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards



Superior StreetSiren Plus Jeweller



Additional information

[Compliance with standards](#)

[User manual](#)

[Learn more](#) [Learn more](#) 

Warranty

24 months

[Learn more](#) 

Subscribe

Subscribe to our emails about secure life. No spam.

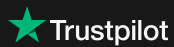
[Subscribe](#)

Request extra help

 support@ajax.systems

 [@AjaxSystemsSupport_Bot](https://t.me/@AjaxSystemsSupport_Bot)

 [Send a request](#)



Rating 4.7

4,000,000

people worldwide under Ajax protection

 [Suggest a feature](#)

[Products](#)[Software](#)

[Intrusion protection](#)

[Video surveillance](#)

[Fire and life safety](#)

[Comfort and automation](#)

[All products](#)

[Services](#)

[System integrations](#)

[Ajax Ready products](#)

[Fibra wired protocol](#)

[Ajax radio protocols](#)

[For users](#)

[Ajax PRO: Tool for Engineers](#)

[Ajax Desktop](#)

[Ajax PRO Desktop](#)

[Ajax Translator PRO](#)

[Ajax Cloud Signaling](#)

[Scenarios](#)



Available on
App Store



Available on
Google Play

Solutions

[Customer stories](#)

[Solutions by facility type](#)

[Commercial fire detection and alarm system](#)

[Upgrades and retrofits](#)

[Why Ajax](#)

[How it works](#)

Support

[Manuals and articles](#)

[Compliance with standards](#)

Tools

[Ajax device compatibility](#)

[Video storage calculator](#)

[Video device calculator](#)

[Battery life calculator](#)

[Radio communication range calculator](#)

[Switches and outlets configurator](#)

[Fibra power supply calculator](#)

[All web tools](#)

Connecting to CMS

[Intrusion alarm monitoring](#)

[Video monitoring and visual alarm verification](#)

[Audio alarm verification](#)

Company

[Blog](#)

[About us](#)

[Press page](#)

[Events](#)

For partners

[For partners](#)

[Ajax Academy](#)

[Partner Portal](#)

[Career](#)

[Ajax Next](#)

[Students at CES 2026](#)

[Reviews and feedback](#)

[!\[\]\(1a2e9c86c2a63dd0890db1012b677415_img.jpg\) România](#) [Privacy policy](#) [Report a vulnerability](#) [GDPR White Paper](#) [NDAA Statement](#) [Cookie policy](#) [Anti-Spam Policy](#)

[End user agreement](#) [Warranty](#)

© 2025 AJAX SYSTEMS CH. All rights reserved