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## 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](#)

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## 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**

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## 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.

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## 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.

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## Communication loss detection

after 36 s

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

[Learn more](#) >

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## Power supply

### Batteries

8 × CR123A 3 V<sup>==</sup> lithium battery

Pre-installed.

### Type

Type C.

## Calculated battery life

up to 10 years

### Siren's operating voltage range

3.65–6.2 V<sub>DC</sub>

### Siren's nominal operating voltage

3 V<sub>DC</sub> in standby mode

6 V<sub>DC</sub> 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<sub>DC</sub>

### End-of-life battery voltage

3.65 V<sub>DC</sub>

## Manufacturer

Huiderui

## Electric shock protection class

Class III

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## Optional power supply

### Remote power supply's operating voltage

9.6–14.4 V<sub>DC</sub>

### Remote power supply's nominal voltage

12 V<sub>DC</sub>

### 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.

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## 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



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## Colors

Black



White



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## 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

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Warranty

24 months

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