

### Tech specs

#### BASELINE

# StreetSiren DoubleDeck Jeweller

Wireless siren with a clip lock for a branded faceplate



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 20 mW

Automatic power control to reduce power consumption and radio interference.

### Radio signal modulation

GFSK

### Radio communication range

up to 1,500 m

Between the detector 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** >

## Wings communication technology

Proprietary wireless communication technology to update firmware.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Data packages reload in case of transmission errors.
- Checking the delivery of data packages.

## 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.

## Radio communication range

up to 900 m

Between the device 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

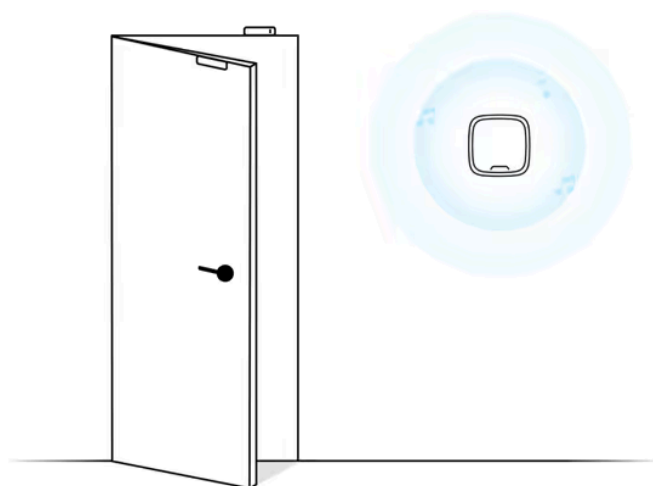
acoustic and LED

Buzzer and LED.

### Type of warning device

type X

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



## Alarm volume

from 85 to 113 dB at a distance of 1 m

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

## Alarm duration

from 3 s to 3 min

Alarm duration up to 15 minutes is available only for siren with firmware version NA 5.60.4.14 or higher and with **Quiet** or **Loud** alarm volume.

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

## Siren sound frequency

1.60–4.5 kHz

## Acoustic output type

tone

## 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 system is disarmed.

[Learn more >](#)

## Recommendations

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

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## Customized branded faceplate

### Brandplate

Security service providers can print their logo and contact information on the siren's front panel.

[Learn more >](#)



## Recommendations

Brandplate is sold separately from street sirens. To place an order, reach out to your regional [Ajax partner](#). You can also compose a faceplate design in the [Brandplate constructor](#).

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### Sabotage protection

#### Tamper alarm

Notifications on attempts to open the siren's enclosure.

[Learn more](#) >

#### Accelerometer alarm

Notifications on attempts to move or shake the siren, or detach it from the surface.

#### Protection against spoofing

device authentication

#### Communication loss detection

after 36 s

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

[Learn more >](#)

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## Main power supply

### Battery

4 × CR123A

Pre-installed.

### Type

Type C.

### Calculated battery life

up to 5 years

[Learn more >](#)

### Siren's operating voltage range

3.65–6.2 V<sub>DC</sub>

### Siren's nominal operating voltage

6 V<sub>DC</sub>

### Quiescent siren's current consumption at nominal voltage

87  $\mu$ A

### Peak siren's current consumption at nominal voltage

1 A

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

### **Average siren's current consumption at nominal voltage**

0.3 A

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

### **Full battery capacity**

6,400 mAh

### **Low battery voltage**

4.25 V<sub>DC</sub>

### **Low battery recovery voltage**

5.05 V<sub>DC</sub>

### **End-of-life battery voltage**

3.65 V<sub>DC</sub>

Device is switched off.

### **End-of-life battery capacity**

460 mAh

### **Manufacturer**

Huiderei

## Optional power supply

### Remote power supply's operating voltage

6–20 V $\overline{=}$

### Remote power supply's nominal voltage

12 V $\overline{=}$

### Quiescent siren's current consumption at nominal voltage

0.025 A

### Average siren's current consumption at nominal voltage

0.2 A

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

### Peak siren's current consumption at nominal voltage

0.7 A

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

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## Enclosure

### Dimensions

200 × 200 × 55 mm

### Weight

485 g

### Operating temperature range

from -25°C to +60°C

### Operating humidity

up to 95%

### Protection class

IP54



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### Colors

Black



White



## Complete set

StreetSiren DoubleDeck Jeweller

SmartBracket mounting panel

Installation kit

4 × CR123A battery (pre-installed)

Quick start guide

## Certification and compliance with standards



StreetSiren DoubleDeck Jeweller



## Additional information

**Compliance with standards**

[Learn more >](#)

**User manual**

[Learn more >](#)

**Warranty**

24 months

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📧 @AjaxSystemsSupport\_Bot

💬 Send a request



Rating 4.8

4,500,000

people worldwide under Ajax protection

💡 Suggest a feature



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Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

## Software

Ajax Security System

Ajax PRO: Tool for Engineers

Ajax Desktop

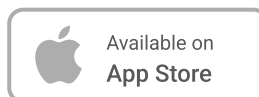
Ajax PRO Desktop

Ajax TV

Ajax Translator PRO

Ajax Cloud Signaling

Scenarios



## Solutions

Customer stories

## Support

Manuals and articles

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## Tools

[Ajax device compatibility](#)

[CMS software compatibility](#)

[Ajax Services availability](#)

[Video storage calculator](#)

[Video device calculator](#)

[Battery life calculator](#)

[Radio communication range calculator](#)

[Switches and outlets configurator](#)

[Fibra power supply calculator](#)

[All web tools](#)

## Monitoring solutions and integrations

[Intrusion alarm monitoring](#)

[Video monitoring and visual alarm verification](#)

[Audio alarm verification](#)

## Company

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