

Tech specs

BASELINE

StreetSiren Jeweller

Wireless siren for indoor and outdoor use



Devices compatibility



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 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 >

Key features

Alarm type

acoustic and LED

Buzzer and LED frame.

Type of warning device

type X

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

Alarm volume

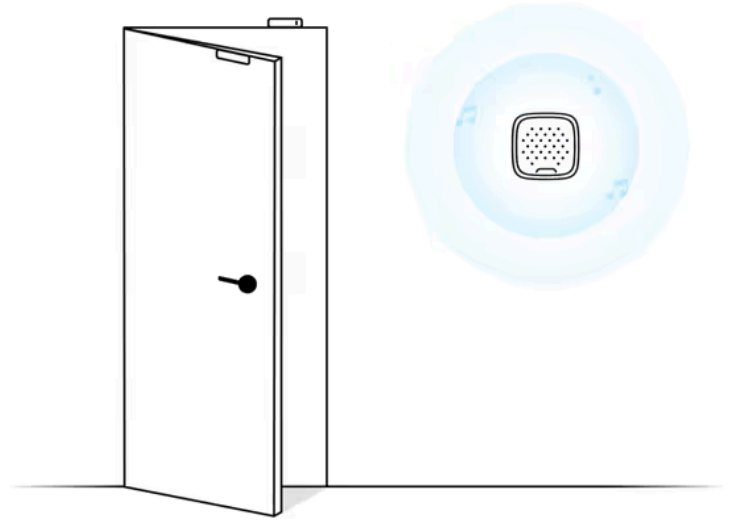
from 85 to 113 dB at a distance of 1 m

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.

Sabotage protection

Tampering 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](#) >

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 \equiv

Siren's nominal operating voltage

6 V \equiv

Quiescent siren's current consumption at nominal voltage

71 μ 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 \equiv

Low battery recovery voltage

5.05 V_{DC}

End-of-life battery voltage

3.65 V_{DC}

Device is switched off.

End-of-life battery capacity

460 mAh

Manufacturer

Huiderrui or Panasonic

Optional power supply

Remote power supply's operating voltage

6–20 V_{DC}

Remote power supply's nominal voltage

12 V_{DC}

Quiescent siren's current consumption at nominal voltage

25 mA

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.

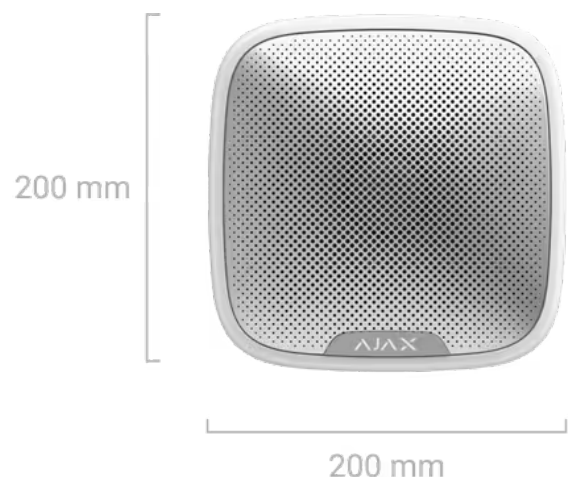
Enclosure

Dimensions

200 × 200 × 51 mm

Weight

528 g



Operating temperature range

from -25°C to $+60^{\circ}\text{C}$

Operating humidity

up to 95%



51 mm

Protection class

IP54

Colors

Black



White



Complete set

StreetSiren Jeweller

SmartBracket mounting panel

Installation kit

4 × CR123A battery (pre-installed)

Quick start guide

Certification and compliance with standards



StreetSiren Jeweller



Additional information

Compliance with standards

[Learn more >](#)

User manual

[Learn more >](#)

Warranty

24 months

[Learn more](#) >

Products

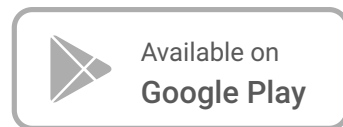
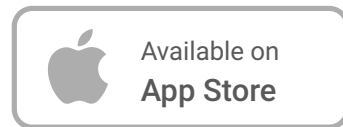
- Superior
- Fibra
- Intrusion protection
- Video surveillance
- Fire detection
- Water leak prevention
- Comfort & Productivity
- All products
- Ajax ecosystem integrations
- Ajax Ready products

Solutions

- Customer stories
- Solutions by facility type
- Upgrades and retrofits
- Why Ajax
- How it works

Software

- For users
- PRO Desktop
- Ajax Translator
- Scenarios



Support

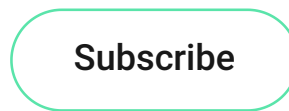
- Manuals and articles
- Compliance with standards

Tools

- Battery life calculator
- Radio communication range calculator

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calculator

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