

Tech specs

BASELINE

HomeSiren Jeweller

Wireless siren



Devices 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.

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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 radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 2,000 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 indication

Buzzer and LED.

Warning device type

type W

Internal and self-powered.

Alarm volume

from 80 to 100 dB at a distance of 1 m

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

93 dB at a distance of 1 m

Default settings.



Alarm duration

from 3 s to 3 min

Alarm duration up to 15 minutes is available only for sirens with firmware version NA 5.60.4.14 or higher.

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

Siren sound frequency

3.4 ± 0.5 kHz

Ability to connect an additional LED

3 V₌₌

An additional LED works in parallel with the built-in LED of the siren and fully replicates its indication.

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 use only.
Recommended installation height is 2.5 m or higher.

Sabotage protection

Tamper alarm

Notifications on attempts to detach the device from the surface or remove it from the mounting panel.

[Learn more >](#)

Protection against spoofing

device authentication

Communication loss detection

after 36 s

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

[Learn more >](#)

Power supply

Battery

2 × CR123A

Pre-installed.

Calculated battery life

up to 5 years

[Learn more](#) >

Siren's operating voltage range

1.9–3.3 V_{DC}

Siren's nominal operating voltage

3 V_{DC}

Quiescent siren's current consumption at nominal voltage

68 µA

Peak siren's current consumption at nominal voltage

1.1 A

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

Average siren's current consumption at nominal voltage

50 mA

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

Full battery capacity

3,200 mAh

Low battery voltage

2.1 V₌₌

End-of-life battery voltage

1.9 V₌₌

Device is switched off.

End-of-life battery capacity

366 mAh

Manufacturer

Huiderei

Enclosure

Dimensions

75 × 76 × 27 mm

Weight

97 g

 HomeSiren Jeweller

Operating temperature range

from -10°C to +40°C



More 

Operating humidity

up to 75%

Protection class

IP50



27 mm

Colors

Black



White



Complete set

HomeSiren Jeweller

SmartBracket mounting panel

2 × CR123A battery (pre-installed)

Connector for an LED indicator

[Installation kit](#)

[Quick start guide](#)

Additional information

Compliance with standards

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User manual

[Learn more >](#)

Warranty

24 months

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Products

- Superior
- Fibra
- Intrusion protection
- Video surveillance
- Fire detection
- Water leak prevention
- Comfort & Productivity

Solutions

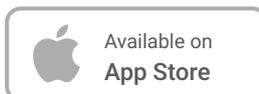
- Customer stories
- Ajax ecosystem integrations
- Ajax Ready products
- Solutions by facility type
- Why Ajax
- How it works

Company

- Blog
- About us
- Press page
- Events
- Career
- Reviews and feedback

Software

- For users
- PRO Desktop
- Ajax Translator
- Scenarios



Support

- Manuals and articles
- Compliance with standards

Tools

- Battery life calculator
- Radio communication range calculator
- Fibra power supply calculator
- Case configurator
- Switches and outlets configurator
- Ajax devices compatibility
- All web tools

For partners

- Bussiness with Ajax
- Events
- Brandbook
- Ajax SIM
- Enterprise API
- CMS integration

[Anti-Spam Policy](#) [End user agreement](#) [Warranty](#)

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