

Tech specs

 BASELINE

HomeSiren U Jeweller

Wireless siren with an LED connector



Device compatibility

Check

Communication

 Jeweller communication technology

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

Key features:

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

Learn more >

Frequency bands

868.0–868.6 MHz

Maximum effective radiated power (ERP)

up to 25 mW

Automatic power control to reduce power consumption and noise interference.

Radio signal modulation

GFSK

Radio signal range

up to 2,000 m

Between siren and control panel (or range extender) in an open space.

Calculate the radio signal range at the facility >

Encrypted communication

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

Frequency hopping

Radio communication uses frequency hopping to prevent interception and jamming.

[Learn more](#) >

Key features

Alarm type

acoustic and LED

Buzzer and LED.

Type of warning device

type W

Internal, self-powered.



Alarm volume

from 81 to 105 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

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

Siren sound frequency

3.4 ± 0.5 kHz

Ability to connect an additional LED

3 V $\overline{=}$

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 and higher.

Sabotage protection

Tamper alarm

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



[Learn more](#) >

Holding screw

to secure the siren on SmartBracket

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

Batteries

2 × CR123A 3 V⁼⁼ Lithium battery

Pre-installed.

Type

Type C.

Calculated battery life

up to 5 years

Siren's operating voltage range

1.9–3.3 V $\approx$

Siren's nominal operating voltage

3 V $\approx$

Quiescent siren's current consumption at nominal voltage

42 μ A

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 capacity

3,200 mAh

Low battery voltage

2.1 V $\approx$

End-of-life battery voltage

1.9 V₌₌

Device is switched off.

End-of-life battery capacity

366 mAh

Enclosure

Dimensions

75 × 76 × 27 mm

Weight of the black device

92 g

Weight of the white device

94 g

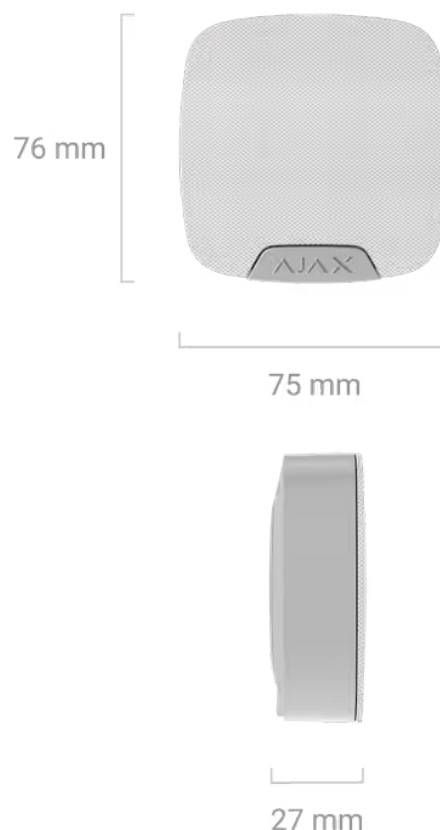
Operating temperature range

from -10°C to +40°C

Operating humidity

up to 75%

Protection class



IP50, IK06

Color

Black



White



Complete set

HomeSiren U Jeweller

SmartBracket mounting panel with holding screw

2 CR123A batteries (pre-installed)

Connector for LED indicator

Installation kit

Quick start guide

Certification and compliance with standards



HomeSiren U Jeweller



Additional information

Compliance with standards

[Learn more >](#)

User manual

[Learn more >](#)

Warranty

24 months

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Scenarios



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