Tech specs

SUPERIOR

Superior HomeSiren G3 Jeweller

Wireless siren with advanced sabotage protection and an LED connector



Device compatibility Check

Communication

Superior Jeweller data transfer protocol

Proprietary wireless protocol for transmitting commands, alarms, and events. An upgraded version of the Jeweller radio protocol for Superior devices, ensuring compliance with Grade 3 (EN 50131).

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Enhanced block encryption with a dynamic key.
- Instant notifications.
- Remote control and configuration in Ajax apps.

Learn more

Frequency bands

865.0–868.0 MHz
868.0–868.6 MHz
868.7–869.2 MHz
869.4–869.65 MHz

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 3,500 m

Between the device and a hub (or a range extender) in open space. The maximum range depends on the hub model.

Calculate radio communication range at the facility

Encrypted communication

All stored and transmitted data is protected with advanced encryption, ensuring both confidentiality and integrity.

Frequency hopping

To prevent radio interference and jamming.

Learn more

Key features

Alarm type

acoustic and visual

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 a PRO or a user with admin rights in an Ajax app.

94 dB at a distance of 1 m

Default settings.

Alarm duration

from 3 s to 3 min

Adjusted by a PRO or a user with admin rights in an 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 mirrors its indication.

Event indication

- Alarms.
- Entry/exit delays.
- Security mode state.
- Security mode change.
- After-alarm indication.

Chime

The siren emits a special sound to indicate the following events:

- opening detectors are triggered when the system is disarmed;

- the doorbell button is pressed.

Learn more

Recommendations

The siren is designed for indoor use only. Recommended installation height is 2.5 m or higher.

Sabotage protection

Tamper alarm



The system sends notifications about attempts to detach the siren from the surface or remove it from the mounting panel.

Learn more

Holding screw

Secures the device on SmartBracket.

Protection against spoofing

Ensures device authentication when it communicates with a hub.

Jamming detection

The siren detects jamming and then sounds an alarm.

Learn more

Communication loss detection

if there is no signal for 36 seconds or more

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 4 years in standby mode

up to 2.5 years with one 90-second alarm per day

Learn more

Operating voltage range

1.9–3.3 V⎓

Nominal operating voltage

3 V⎓

Quiescent current consumption at nominal voltage

67 µA — jamming detection is enabled

53 µA — jamming detection is disabled

Peak current consumption at nominal voltage

1.2 A

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

Average current consumption at nominal voltage

55 mA

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

Full battery capacity

3,200 mAh

Low battery voltage

2.1 V⎓

End-of-life battery voltage

1.9 V⎓

The device switches off.

End-of-life battery capacity

366 mAh

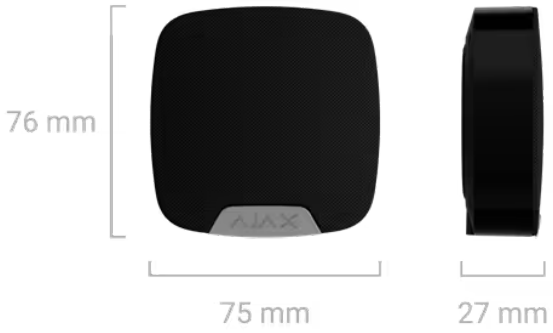
Manufacturer

Panasonic

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

IP30, IK07

Color

Black



White



Complete set

Superior HomeSiren G3 Jeweller

SmartBracket mounting panel

2 × CR123A battery (pre-installed)

Connector for LED indicator

Installation kit

Quick start guide

Certification and compliance with standards



Superior HomeSiren G3 Jeweller

Additional information

Compliance with standards

Learn more

User manual

Learn more

Warranty

24 months

Learn more

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Subscribe to our emails about secure life. No spam.

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Trustpilot

Rating 4.8

4,500,000

people worldwide under Ajax protection

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Video storage calculator

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