

Tech specs

BASELINE

Button Jeweller

Wireless panic button / smart button



Device 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.

[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 1,300 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

Number of buttons

1

Adjustable event types

- Intrusion
- Fire
- Auxiliary alarm
- Panic button
- Gas alarm
- Malfunction
- Leakage
- Custom

If the **Custom** event type is selected, event notifications will not be sent to the security company monitoring station, and system users will not receive an SMS.

LED backlight indicating command delivery

The LED brightness is adjusted in Ajax apps.

Protection against accidental pressing

long or double press

Supervising feature

Button will update the status of its battery every day. This feature is available with OS Malevich 2.16 and higher.

Recommendations

Use Holder to fix Button Jeweller on surfaces.

Sabotage protection

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

1 × CR2032

Pre-installed.

Type

type C

Calculated battery life

up to 5 years

[Learn more >](#)

Button's operating voltage range

1.8–3.3 V_{DC}

Button's nominal operating voltage

3 V_{DC}

Quiescent button's current consumption at nominal voltage

0.5 μA

When the Battery charge auto-check toggle is disabled.

2.02 μA

When the Battery charge auto-check toggle is enabled.

Maximum button's current consumption at nominal voltage

27.8 mA

Full battery capacity

235 mAh

Low battery voltage

2.2 V \equiv

Low battery recovery voltage

2.3 V \equiv

End-of-life battery voltage

1.8 V \equiv

Device is switched off.

End-of-life battery capacity

40 mAh

Manufacturer

Panasonic or Renata

Enclosure

Dimensions

47 × 35 × 13 mm

Weight

16 g

Operating temperature range

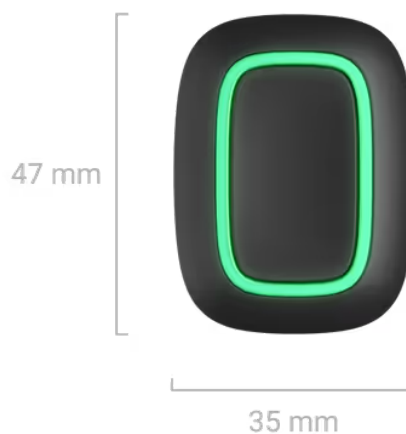
from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP55



Colors

Black

White



Complete set

Button Jeweller

CR2032 battery (pre-installed)

Quick start guide

Certification and compliance with standards



Button 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.

[Subscribe](#)

Request extra help

✉ support@ajax.systems

🗣 [@AjaxSystemsSupport_Bot](#)

💬 [Send a request](#)



Rating 4.8

4,500,000

people worldwide under Ajax protection

💡 [Suggest a feature](#)



Products

[Intrusion protection](#)

[Video surveillance](#)

[Fire and life safety](#)

[Comfort and automation](#)

[All products](#)

[Services](#)

[System integrations](#)

Software

[Ajax Security System](#)

[Ajax PRO: Tool for Engineers](#)

[Ajax Desktop](#)

[Ajax PRO Desktop](#)

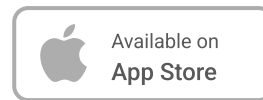
[Ajax TV](#)

[Ajax Translator PRO](#)

[Ajax Cloud Signaling](#)

- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

Scenarios



Solutions

- Customer stories
- Solutions by facility type
- Commercial fire detection and alarm system
- Wireless Grade 3 solution
- Video surveillance solution
- Integration with Yale smart locks
- Upgrades and retrofits
- Why Ajax
- How it works

Support

- Manuals and articles
- Compliance with standards

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

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

For partners

- For partners
- Ajax Academy
- Partner Portal

