

Hub BP Jeweller



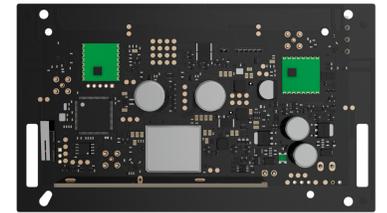
Product versions

Hub BP Jeweller

Wireless battery-powered control panel. Supports photo verification. Connectable via two SIM cards (2G/3G/LTE).

Hub BP Jeweller (without casing)

Wireless battery-powered control panel designed for installation in an Ajax casing. Supports photo verification. Connectable via two SIM cards (2G/3G/LTE).



Connection to the monitoring company's CMS



Informing users via push notifications and SMS



Wireless communication range with Ajax devices of up to 2,000 m (6,550 ft)



Support for ExternalAntenna for LTE and radio communication

Uninterrupted security for facilities without electricity

Hub BP Jeweller is designed to protect vacant property and remote sites without permanent access to the power grid. The hub operates on internal batteries not included in the complete set or external third-party batteries, providing continuous device monitoring.

| Name | Type | Hub BP Jeweller Months of operation in the Battery power saver mode ¹ | Hub BP Jeweller (without casing) Months of operation in the Battery power saver mode ¹ |
|----------------------------------|--------------------------|--|---|
| Internal battery NB (7.2V/95Ah) | Non-rechargeable battery | 25 | 25 |
| Internal battery RB (6.4V/36Ah) | Rechargeable battery | 8 | 8 |
| Internal battery NB (7.2V/190Ah) | Non-rechargeable battery | - | 50 |
| Internal battery RB (6.4V/78Ah) | Rechargeable battery | - | 18 |

Advanced Battery power saver mode

Hub BP Jeweller features an advanced **Battery power saver** mode to extend the battery life.

Battery power saver operations

- Device polling interval and photo transmission: every 5 minutes
- Firmware check and update: disabled
- Log transmission: disabled
- Server polling interval: every 6 hours (configurable from 1 to 24 hours)
- CMS polling interval: every 6 hours (configurable from 1 to 24 hours)
- LED backlight: disabled

Guaranteed delivery of alarms and photos

An Ajax system uses proprietary Jeweller and Wings radio protocols for encrypted two-way communication. They guarantee instant data delivery even in case of a weak signal or communication interruption.

 Encrypted two-way radio communication

 Instant alarm notifications

 Notifications of jamming and connection loss

 First photo delivery in 9 seconds

Jeweller

Jeweller transmits alarms, events, and all measured readings

- Up to 2,000 m (6,550 ft) of radio communication in an open space
- Encryption and device authentication to prevent spoofing
- Regular polling to monitor current device states

Wings

Wings transmits photos and large data packets

- Up to 1,700 m (5,550 ft) of radio communication in an open space
- Unique uploading algorithm and data delivery confirmation
- Data backup and resend in case of communication interruption

| | | | |
|---|--|---|---|
| Compliance with standards EN 50131 (Grade 2) PD 6662:2017 NIST (AES-128) | Communication with Ajax devices Jeweller communication technology Wings communication technology Communication range up to 2,000 m up to 6,550 ft In an open space 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 | Communication channels Cellular network Two slots for micro SIMs (2G/3G/LTE) | Features 100 wireless Ajax devices 50 users 50 rooms 32 automation scenarios 9 security groups |
| | | Casing Hub BP Jeweller Color white, black Dimensions 196 × 238 × 100 mm 7.72" × 9.37" × 3.94" Weight 1,010 g 35.63 oz | Hub BP Jeweller (without casing) Color black Dimensions 153 × 89 × 46 mm 6.02" × 3.50" × 1.79" Weight 88.3 g 3.12 oz |
| Power supply Internal power supply 4.2–16.2 V \Rightarrow (max 2 A) rechargeable and non-rechargeable batteries with a capacity of up to 195 Ah Not included External power supply 4.2–16 V \Rightarrow (max 2 A) zinc-air battery with a capacity of up to 600 Ah Not included | Installation Operating temperature -10 °C to +40 °C 14 °F to 104 °F Operating humidity up to 75% | Complete set Hub BP Jeweller <ul style="list-style-type: none"> • Hub BP Jeweller • Installation kit • Quick start guide | Hub BP Jeweller (without casing) <ul style="list-style-type: none"> • Hub BP Jeweller (without casing) • External LED board • Cable for external LED board • Installation kit • Quick start guide |

¹ Applicable for systems with 10 connected devices and Hub BP Jeweller with hardware version HB2.009.MBR.001v4. For hardware version HB2.011.MBR.001v1, the expected operating time in the BPS mode is as follows:

- Internal battery NB (7.2V/95Ah): up to 16 months.
- Internal battery RB (6.4V/36Ah): up to 5 months.
- Internal battery NB (7.2V/190Ah): up to 33 months.
- Internal battery RB (6.4V/78Ah): up to 12 months.



For detailed information, scan the QR code or follow the link:
ajax.systems/products/hub-bp/manuals/

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