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FIRE SYSTEMS LIMITED

Ajax Hub BP Jeweller

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

- Connection to the security company's CMS
- Wireless communication range with Ajax devices of up to 2,000 m (6,550 ft)
- Informing users via push notifications and SMS
- Integration with cameras and NVRs

⚠ Internal battery NB (7.2V/95Ah)

KEY FEATURE

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	Quantity in a package	Voltage	Capacity	Weight	Months (days) of operation in the Battery power saver mode[1]	Availability
Internal battery NB (7.2V/95Ah)	Non-rechargeable battery LTC ER34615-LD	10	7.2 V	95 Ah	1100 g	17 (510)[2]	Available from Ajax in Q4 2024
Internal battery RB (6.4V/27Ah)	Rechargeable battery LiFePO4 18650	36	6.4 V	27 Ah	TBA	4 (129)[3]	Available from Ajax in Q1 2025
Internal battery NB (7.2V/190Ah)	Non-rechargeable battery LTC ER34615-LD	20	7.2 V	190 Ah	2200 g	42 (1,260)	Available from Ajax in Q1 2025
Internal battery RB (6.4V/78Ah)	Rechargeable battery LiFePO4 18650	104	6.4 V	78 Ah	TBA	15 (460)	Available from Ajax in Q1 2025
Internal third-party battery	Rechargeable battery Lead-acid	–	12 V	7 Ah	–	2 (63)	Available from a third-party provider
External third-party battery	Non-rechargeable battery Zync-air	–	12 V	600 Ah	–	72 (2,082)	Available from a third-party provider

Advanced Battery power saver mode

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

- Hub-detector polling interval and photo transmission: every 5 minutes
- Firmware check and update: disabled
- Log transmission: disabled

- Hub-server polling interval: every 6 hours (configurable from 1 to 24 hours)
- Hub-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 interruptions.

- Encrypted two-way radio communication
- Instant alarm notifications
- Notifications of jamming and connection loss
- First photo delivery in 9 seconds

TECHNICAL SPECIFICATION

Compliance with standards	Communication with Ajax devices	Communication channels	Features
EN 50131 (Grade 2) PD 6662:2017 NIST (AES-128)	**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 Depends on the sales region	**Cellular network** Two slots for micro SIMs (2G/3G/LTE)	100 wireless Ajax devices 50 users 50 rooms 32 automation scenarios 9 security groups
Power supply	**Casing**	**Installation**	**Complete set**
Internal power supply 4.2–16.2 V⎓ (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⎓ (max 2 A) zinc-air battery with a capacity of up to 600 Ah Not included	**Color** white black **Dimensions** 196 × 238 × 100 mm 7.72" × 9.37" × 3.94" **Weight** 1,010 g 35.63 oz	**Operating temperature range** from −10 °C to +40 °C from 14 °F to 104 °F **Operating humidity** up to 75%	Hub BP Jeweller Installation kit Quick start guide

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