



Ajax Hub 2 (4G) Jeweller

Security system control panel with 3 communication channels: Ethernet and 2 SIM cards (4G). Supports photo verification provided by detectors of the MotionCam series.

- Free over-the-air software updates
- Connection to CMS
- Integration with third-party CCTV cameras or DVRs
- Informing users with push notifications, calls, and SMS

KEY FEATURES

Always online

To guarantee timely alarm transmission to the security company and users, Hub 2 supports connection to three Internet providers simultaneously: via Ethernet and two 4G SIM cards. Communication channels operate in parallel, and automatic switching between them takes seconds.

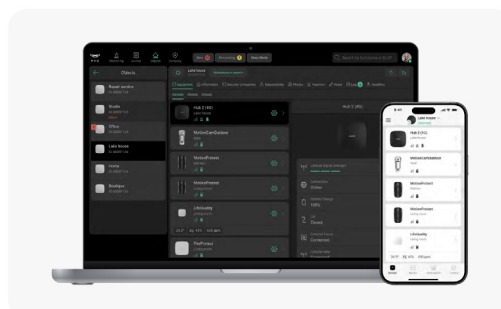
In-app control and configuration





Hub is connected to Ajax apps, security companies, and users via a secure channel through the Ajax Cloud server located in several AWS data centres. Server availability is 99.99%.

Intuitive Ajax apps provide remote configuration and all information about system devices from anywhere the Internet is available, on a smartphone or PC. An installer can remotely change the settings and provide services in time — no need to visit the object.

Guaranteed delivery of alarms and photos

An Ajax system uses two-way secure radio communication based on Jeweller and Wings proprietary protocols. Radio protocols work in parallel and focus on their function, guaranteeing instant data delivery despite weak signal and communication interruptions.



-  Encrypted two-way radio communication
-  Frequency hopping against radio interference and signal interception
-  Automatic power adjustment of radio transmitters
-  Notifications about jamming and connection loss

Jeweller

Jeweller transmits alarms, events, and all readings

- Up to 2,000 m of radio communication in an open space
- Encryption and device authentication to prevent spoofing
- Regular polling to display current devices' statuses

Wings

Wings transmits photos and large data packages

- Up to 1,700 m of radio communication in an open space
- Unique uploading algorithm and data delivery confirmation
- Data backup and resend in case of transmission interruptions

Sabotage-resistant



Built-in backup battery giving up to 16 hours of autonomous operation



Detecting loss of connection with devices in 36 seconds





Detecting loss of connection with Ajax Cloud in 1 minute



Tamper alarm

TECHNICAL SPECIFICATION

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| <p>Compliance with standards</p> <p>EN 50131 (Grade 2) PD 6662:2017 NIST (AES-128) SIA CP-01 UL985, UL1023, UL2610 ULC S545, ULC S304</p> | <p>Communication with Ajax devices</p> <p> Jeweller communication technology</p> <p> Wings communication technology</p> <p>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</p> <p>Jeweller communication range up to 2,000 m In an open space</p> <p>Wings communication range up to 1,700 m In an open space</p> | <p>External communication channels</p> <p>Ethernet 8P8C slot Up to 100 Mb/s</p> <p>Cellular network 2 slots for micro-SIM</p> <p>2G (GSM900/DCS1800 (B3/B8)) 3G (WCDMA 850/900/2100 (B1/B5/B8)) 4G/LTE (FDD B1/B3/B5/B7/B8/B20)</p> | <p>Features</p> <p>50 users 50 rooms 32 automation scenarios 25 cameras or DVRs 9 security groups</p> |
| <p>Power supply</p> <p>Main power supply 100–240 V~, 50/60 Hz</p> <p>Backup power supply built-in Li-Ion battery, 2 A-h Up to 16 hours of autonomous operation</p> | <p>Installation</p> <p>Operating temperature range from -10°C to +40°C</p> <p>Operating humidity up to 75%</p> <p>Protection class IP20</p> | <p>Enclosure</p> <p>Color black, white</p> <p>Dimensions 163 × 163 × 36 mm</p> <p>Weight 362 g</p> | <p>Complete set</p> <p>Hub 2 (4G) Jeweller Power cable Ethernet cable SIM card Depends on the sales region Installation kit Quick start guide</p> |