

Products ▾

Assemble kit

 Hub 2 Jeweller

More ▾

Tech specs

BASELINE

Hub 2 (4G) Jeweller

Wireless control panel with support for photo verification. Connectable via Ethernet and two SIM cards (2G/3G/LTE)



Devices compatibility

Check >

Capacity

Wireless Ajax devices

up to 100

Specifically, up to 10 sirens or keypads with a built-in siren and up to 5 range extenders.

More about devices >

IP cameras or DVRs

up to 25

- Seamless integration with Dahua, Hikvision, Safire, EZVIZ, Uniview IP cameras, and DVRs.
- RTSP support.

Learn more >

Users

up to 50

- Any number of admin users within the hub limit.
- PRO accounts for installers.
- PRO accounts for installation and monitoring companies.
- Access management for users.

Automation scenarios

up to 32

- Alarm responses.
- Scheduled actions.
- Security mode changing reactions.
- Temperature changing reactions.
- Humidity changing reactions.
- Reactions to changes in CO₂ concentration.
- Reactions to pressing Button.

[Learn more](#) >

Security groups

up to 9

[Learn more](#) >

Rooms

up to 50

Wireless communication

Jeweller communication technology

Proprietary wireless communication technology to transmit alarms and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote configuration via the 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

Featured automatic power control to reduce power consumption and noise interference.

Radio signal modulation

GFSK

Radio signal range

up to 2,000 m

Between the hub and connected devices (in an open space).
Maximum range depends on the connected device.

Learn more >

Polling interval

from 12 to 300 s

Adjusted by PRO or user with admin rights in the Ajax apps.

Encrypted communication

Block encryption with a dynamic key protects all the stored and transmitted data.

Frequency hopping

Prevents radio interference and radio signal interception.

Learn more >

Wings communication technology

Proprietary wireless communication technology to transmit photo verifications.

Key features:

- Two-way communication.
- Block encryption featuring a dynamic key.
- Advanced anti-sabotage.
- Package re-uploading in case of transmission errors.
- Photo delivery check.

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

Featured automatic power control to reduce power consumption and noise interference.

Radio signal range

up to 1,700 m

Between the hub or radio signal range extender and connected devices (in an open space).

Maximum range depends on the connected device.

[Learn more](#) >

Encrypted communication

Block encryption with a dynamic key protects all the stored and transmitted data.

Frequency hopping

Prevents radio interference and radio signal interception.

[Learn more](#) >

Recommendations

The device operating voltage is 110–240 V~.

Hub is designed for indoor installation only.

Communication channels

Ethernet

1 8P8C socket

Up to 100 Mbps.

Cellular

2 micro-SIM slots

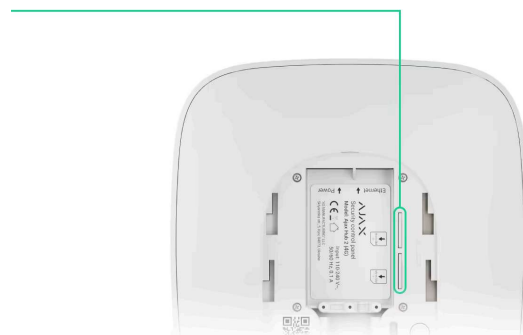
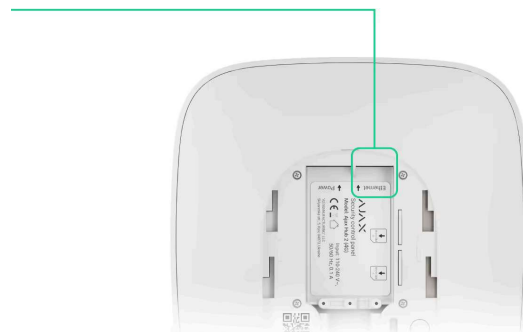
Cellular bands

2G

GSM900/DCS1800 (B3/B8)

3G

WCDMA 850/900/2100 (B1/B5/B8)



4G (LTE)

FDD B1/B3/B5/B7/B8/B20

Automatic switching

Between Ethernet and SIM — instantly.

Between 4G (LTE), 3G, and 2G networks of one SIM — instantly.

Between SIMs — up to 4 minutes.

Communication channels prioritization

1. Ethernet
2. Cellular connection

Communication channels work in parallel to increase the system's reliability.

Most of the data is transmitted via Ethernet.

Notifications

Supported notification types

- Push
- SMS
- Calls

Learn more >

Event types

- Alarms
- Malfunctions
- Security mode changing
- System events
- Non-security alerts
- Automation devices' events

The notification types are configured individually for each user.

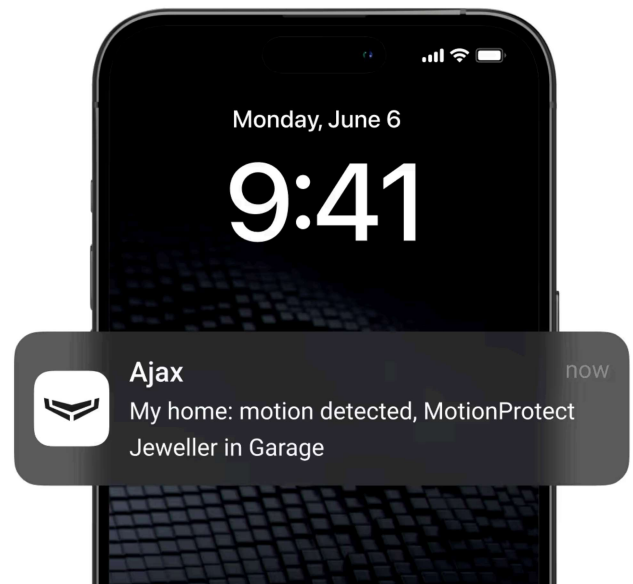


Photo verification

Photo verification types

- Photo by alarm
- Photo by scenario
- Photo on demand
- Photo by schedule

The **Photo by Schedule** feature is available for hubs with firmware version OS Malevich 2.19 or higher.

More about photo by scenario >

More about photo on demand >

More about photo by schedule >

Photo delivery time

up to 9 s

by default.

Learn more >

Photo resolution

up to 640 × 480 pixels

Depends on the detector.

Number of photos in a series

from 1 to 5 pictures

Monitoring

Supported protocols

- SIA (DC-09)
- SurGard (Contact ID)
- ADEMCO 685

- Other proprietary protocols

[Learn more](#) >

Event types

- System alarms and events
- Panic button coordinates
- Photo verification

[Learn more](#) >

Power supply

Main

110–240 V~, 50/60 Hz

Up to 10 W of mains power consumption.

Backup

built-in rechargeable battery: Li-ion 3 A·h

Up to 15 hours of offline operation when Ethernet is disconnected. The **Battery Power Saver** feature allows extending the backup battery life.

[Learn more](#) >

The hub has a **3-pin** battery. To replace the hub battery, use the same one.

[Learn more](#) >

Alternative

6 V₌₌

Connected via an alternative power supply unit **6V PSU (type A)**, which is **sold separately**.

12–24 V₌₌

Connected via an alternative power supply unit **12–24V PSU (type A)**, which is **sold separately**.

[Learn more](#) >

Anti-sabotage

Tamper alarm

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

[Learn more](#) >

Protection against spoofing

Device authentication

Frequency hopping

The hub sends notifications to all users and the security company about jamming or losing connection with the devices.

[Learn more](#) >

Enclosure

Dimensions

163 × 163 × 36 mm

Weight

362 g

Operating temperature range

from -10°C to +40°C

Operating humidity

up to 75%

Protection class

IP20



Colours

Black



White



Complete set

Hub 2 (4G) Jeweller

SmartBracket mounting panel

Power cable

Ethernet cable

Installation kit

SIM card (depends on the sales region)

User Manual

Certification and compliance with standards



Hub 2 (4G) Jeweller



Additional information

Compliance with standards

[Learn more](#) >

User manual

[Learn more](#) >

Warranty

24 months

[Learn more](#) >

Subscribe

Subscribe to our emails about secure life. No spam.

[Subscribe](#)

Request extra help

 +447451279411

 support@ajax.systems

 [@AjaxSystemsSupport_Bot](#)

 [Send a request](#)



Rating 4.8

4,000,000

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](#)[Ajax Ready products](#)[Fibra wired protocol](#)[Ajax radio protocols](#)

Software

[For users](#)[Ajax PRO: Tool for Engineers](#)[Ajax Desktop](#)[Ajax PRO Desktop](#)[Ajax Translator PRO](#)[Ajax Cloud Signaling](#)[Scenarios](#)Available on
App StoreAvailable on
Google Play

Solutions

[Customer stories](#)[Solutions by facility type](#)[Commercial fire detection and alarm system](#)[Wireless Grade 3 solution](#)[Upgrades and retrofits](#)[Why Ajax](#)[How it works](#)

Support

[Manuals and articles](#)[Compliance with standards](#)

Tools

[Ajax kit configurator](#)[Ajax device compatibility](#)[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](#)

[Students at CES 2026](#)

[Reviews and feedback](#)

For partners

[For partners](#)

[Ajax Academy](#)

[Partner Portal](#)

[!\[\]\(eceec5814f6455ba72f63a4af0d74deb_img.jpg\) United Kingdom](#) [Privacy policy](#) [Report a vulnerability](#) [GDPR White Paper](#) [NDAA Statement](#) [Cookie policy](#)

[Anti-Spam Policy](#) [End user agreement](#) [Warranty](#)

© 2025 AJAX SYSTEMS CH. All rights reserved