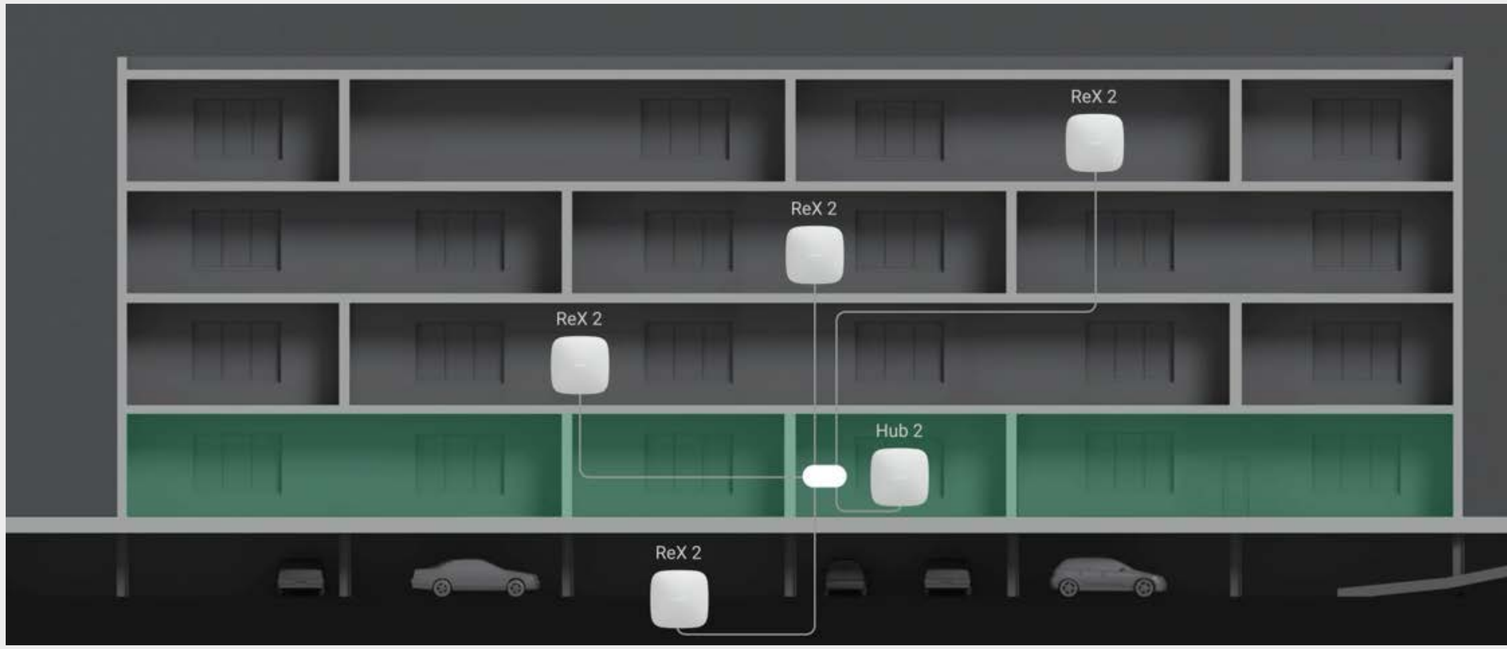
AJAX
AJAX
ReX 2

New business opportunities

Radio communication through steel and concrete

- ReX 2 range extender can connect to the hub not only via radio but also via Ethernet using the wire as the only or the second communication channel.

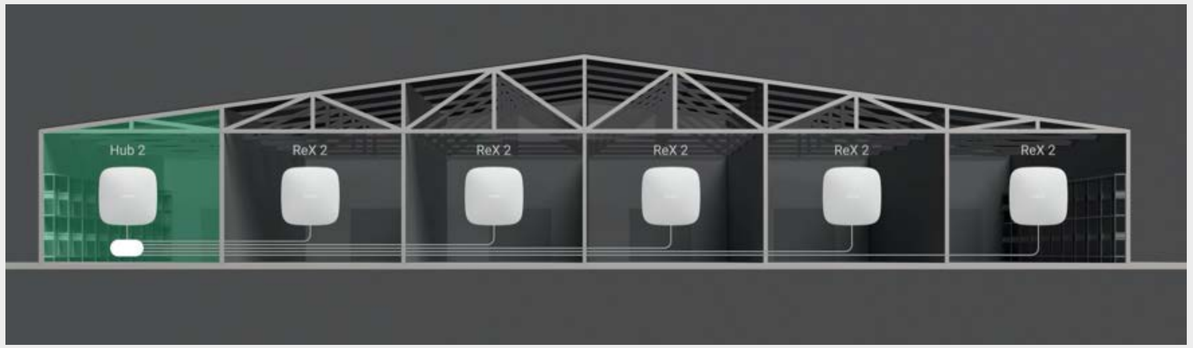
- Ethernet allows you to expand the coverage area of the security system through obstacles that do not transmit the radio signal



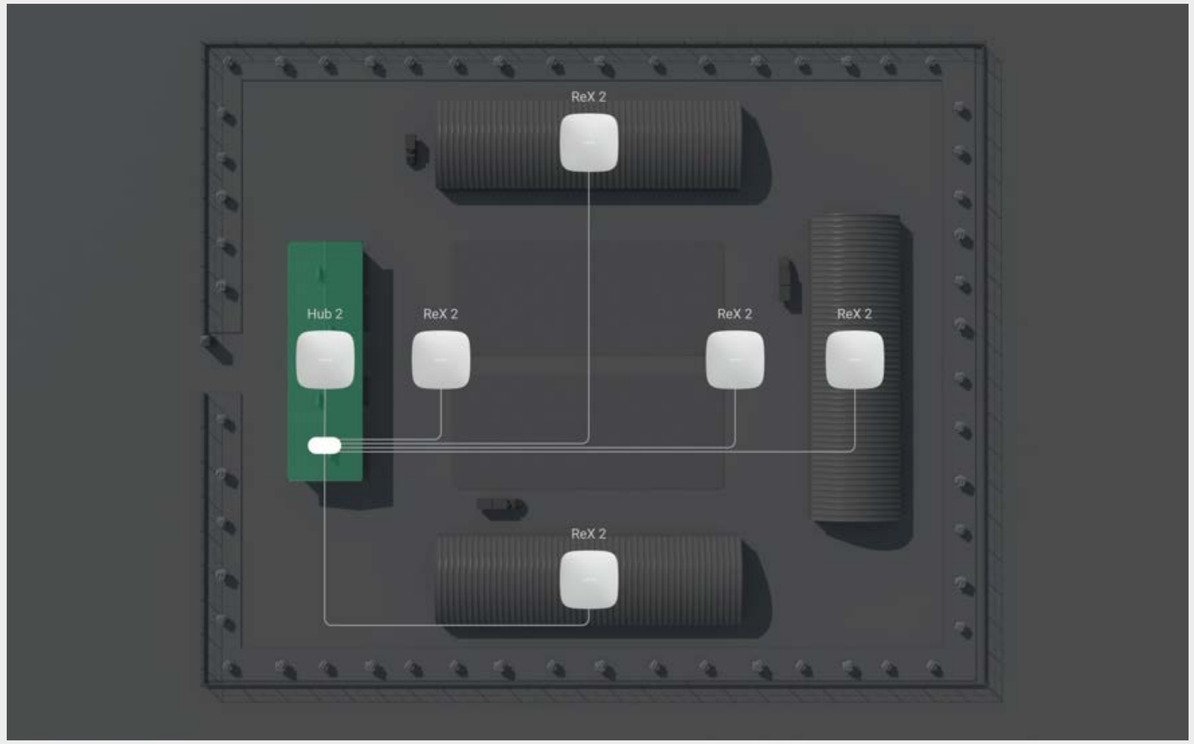
Thick concrete walls is not an obstacle anymore

Range extender made for business

With ReX 2 Ajax security system can cover the facility like an office center with underground parking, or sectional metal hangars, or a warehouse complex of several large buildings.



Sectional warehouse



Manufacturing complex

Bank level of reliability

ReX 2 is protected from attacks at the software and hardware levels.

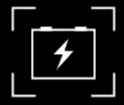
Immunity against viruses

Automatic change of communication channel in case of break

Informing about interferences and jamming

Detecting attempts to dismantle and open the enclosure

Encryption of transmitted data



Up to 38 hours of backup battery life

Outstanding area coverage

- 5 range extenders can operate within the Ajax system to expand the coverage of the radio network

- Events and alarms are transmitted instantly, and the first photo verification snapshot is delivered to a monitoring station and users in just 13 seconds

Up to 35 km²

of coverage with one security system

Extended radio communication range

The maximum distance between the control panel and the sensor can reach up to 3400 meters

Verification of alarms with snapshots

ReX 2 works with MotionCam and MotionCam Outdoor motion detectors.

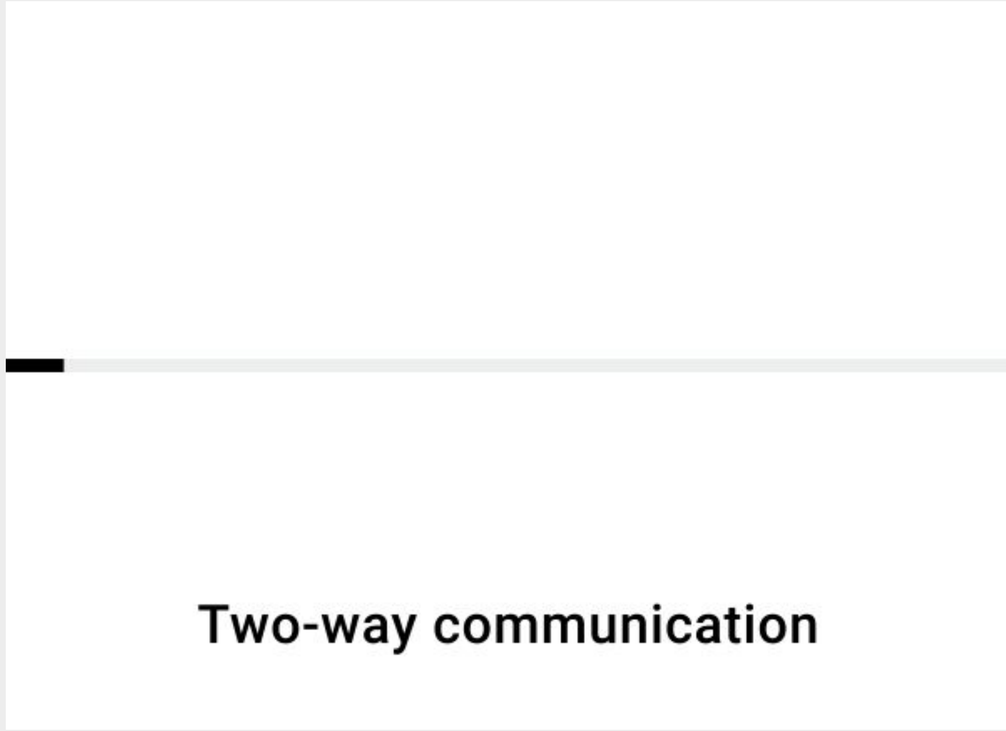
When triggered, they take a series of shots, helping to evaluate the events at a facility. Visual verification helps to instantly ascertain the situation, saving users from concerns and security companies from unnecessary patrol dispatches.

1 Motion detected > 2 Alarm triggered > 3 Evidence captured

Guaranteed delivery of alarms and visual alarm verifications

Jeweler Wings

- Support of two proprietary radio protocols: Jeweller and Wings
- 4 antennas to support reliable communication
- Frames to synchronize device communication sessions
- Authentication to prevent fraud
- Encryption to protect against data theft



Alarm in

0,3 seconds

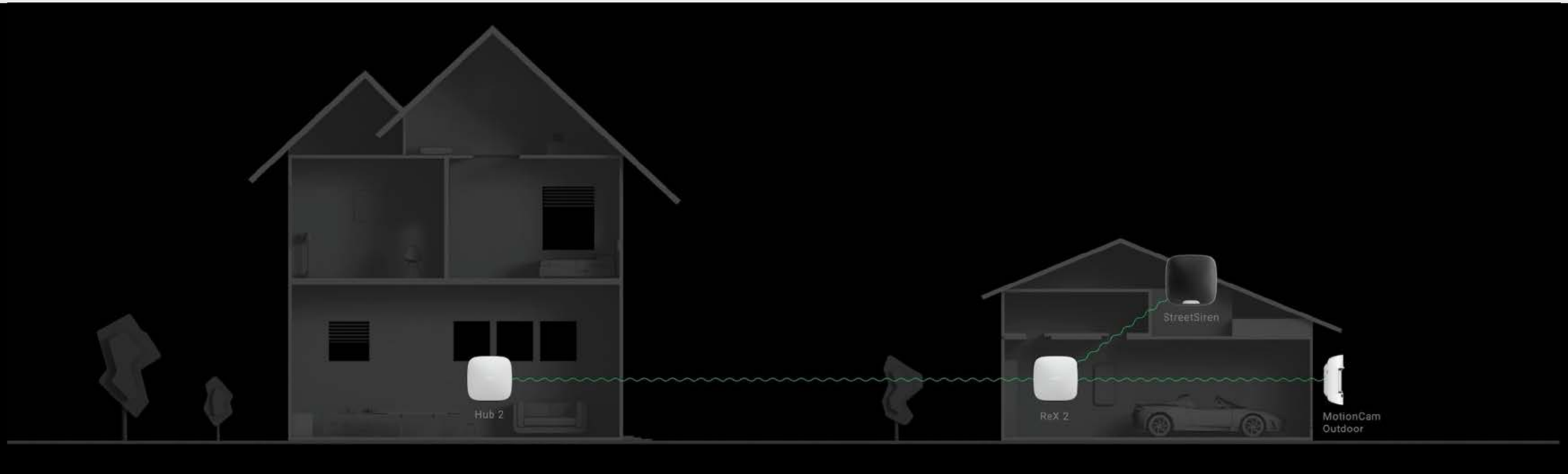
First photo in

13 seconds

Enhanced security system

ReReX 2 works as an extra intelligent control panel: it connects devices into an autonomous group and takes over control at the right time.

- Thanks to automatic adjustment of signal strength and frame synchronization, any number of system devices can be connected to ReX 2 — the reliability of communication will not be affected by this.
- If, for some reason, radio communication with the hub is interrupted, ReX 2 will receive an alarm from a sensor and activate a siren to draw attention to the incident and deter the burglar.



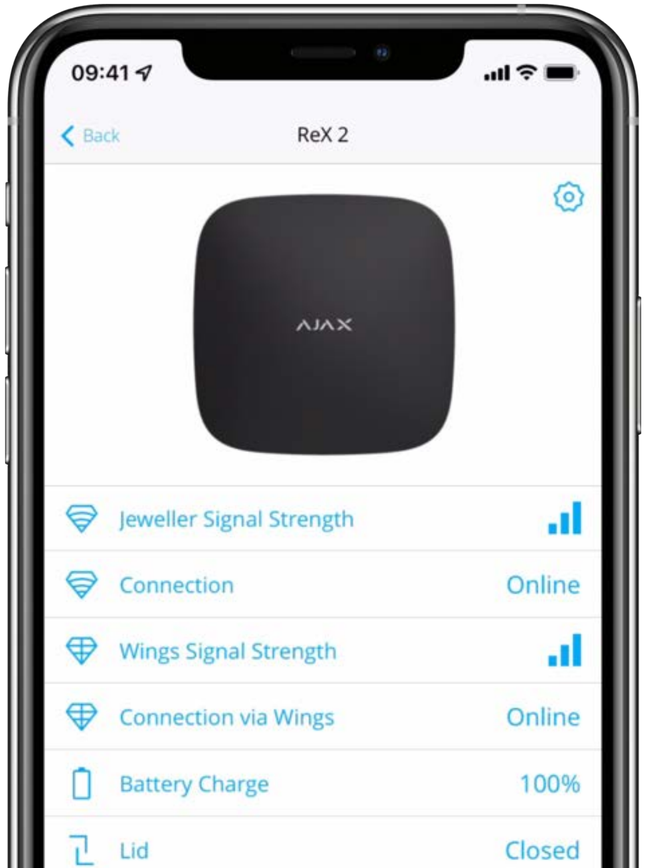
Hassle-free installation

ReX 2 connection and configuration process saves the installation engineer time as much as possible.

Scan the QR-code to begin system set up

Use SmartBracket to mount the device without disassembling it

Configure devices in the app



Tech specs

Number of range extenders connected to the hub	5
Alarm signal delivery time	0,3 seconds
Main power supply	110–240 VAC 12 V from 12V PSU for Hub 2/Hub 2 Plus/ReX 2
Backup power	Built-in backup battery Li-Ion 2 Ah Up to 38 hours of backup battery life
Jeweller radio protocol	Communication range with the hub — up to 1,700 m in open space Communication range with detectors — up to 1,700 m in open space, depending on the detector model Blocking encryption based on the AES algorithm Detector ping interval — 12–300 seconds
Compatibility	Hub 2 (2G), Hub 2 (4G), Hub 2 Plus, Hub Hybrid (2G), Hub Hybrid (4G) OS Malevich 2.13 or higher
Maximum connected devices (in a system with one range extender)	Hub 2 (2G & 4G) — up to 99 Hub 2 Plus — up to 199 Hub Hybrid (2G & 4G) — up to 99
Anti sabotage	Fraud protection Jamming notification

Thank you