

AJAX

Professional Wireless Security System



Professional Wireless Security

Ajax protects your family and business from burglars, fires, and leakages. If trouble comes, the system immediately activates sirens, notifies users, and requests help from an alarm response company.

- Spotting intrusion
- Preventing fire
- Detecting flooding
- Verifying alarms with photos
- Supporting security cameras
- Executing automation scenarios



Visual Alarm Verification

MotionCam detectors accelerate the process of confirming alarms. The moment someone enters a secured area, the detector makes a series of photos. Ajax delivers the first snapshot within 9 seconds following the motion alarm. To ensure privacy, MotionCam activates its camera only when triggered.

Video Surveillance

With Ajax, you won't have to split the protection: combine security system management and video surveillance in one app. Connect Dahua, Hikvision, Safire or Uniview cameras and DVRs in minutes using quick integrations. Or connect any other IP-camera via RTSP.

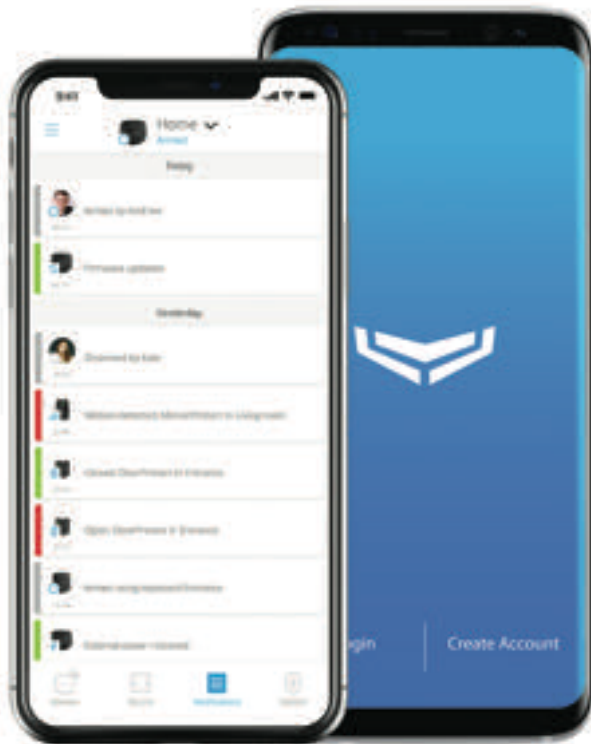
- Stream video and sound
- Save snapshots
- Zoom video in
- Connect single cameras or DVRs with hundreds of connected cameras











App for End Users





Ajax Security System app is designed to help users to stay in touch with their property from anywhere in the world.



Easy to Use

-  Arm/disarm the system
-  Schedule security
-  Get instant notifications
-  Create scenarios
-  Manage users
-  Control smart home
-  Follow the log of events
-  Watch security cameras

Secure in Every Way

-  Sessions management
-  Two-factor authentication support

Products



Control panels



Indoor security



Outdoor security



Fire prevention



Flood prevention



Sirens



Automation



Controls



Integrations



Hubs

Intelligent control panels

The hub manages all devices within the security system. It notifies users and an alarm response company about any threats instantly. The use of two-way communication allows hubs to send alarm signals, configure devices remotely, and constantly monitor the system's state.

For more information visit the product pages at www.ajax.systems/products

Hub 2

Hub Plus

Hub

2G & Ethernet	Wi-Fi, 3G, 2G & Ethernet	2G & Ethernet
Dual SIM	Dual SIM	1 SIM
100 devices	150 devices	100 devices
25 cameras	50 cameras	10 cameras
50 users	99 users	50 users
9 groups	25 groups	9 groups
up to 16 hours of battery life	up to 16 hours of battery life	up to 15 hours of battery life
Visual alarm verification support	No visual alarm verification support	No visual alarm verification support

ReX

Intelligent radio signal range extender









ReX boosts the range of all devices in the system and establishes a reliable link between them and the hub. Hub 2 and Hub Plus support up to 5 ReX, which allows them to cover up to 35 km² and protect extra-large premises: mansions, warehouse complexes, multi-story business centers, and massive productions.







Maximum Performance

- Transmits alarms in 0.3 s
- Communicates with devices at a distance of up to 1,800 m
- Controls an autonomous sub-system of devices if connection with the hub is lost

Bulletproof Protection

-  Real-time operating system OS Malevich
-  Tampering alarm
-  Data encryption
-  External power failure notification
-  Up to 35 hours of operation on the back-up batteries
-  Resistance to cyber attacks
-  Customizable ping interval: 12–300 s
-  Device forgery prevention

Simple Installation

-  Use the QR code to connect the device to the hub
-  Use the SmartBracket to mount the device without disassembling it
-  Open the app to test radio signal quality and configure device settings
-  Select the devices that will operate via range extender

MotionCam



Wireless motion detector with visual alarm verification and pet immunity

Wireless motion detector with a photo camera enable users and ARC to quickly see what caused an alarm. To ensure privacy, pictures are taken only when alarm is triggered.

Maximum Performance

- Communicates alarms and photos at a distance of up to 1,700 m from the hub
- Uses two separate radio protocols for parallel data transmission: Jeweller and Wings
- Detects motion at a distance of up to 12 m
- Delivers an alarm signal within 0.15 s
- Delivers the first photograph in less than 9 s
- Animated sequences: 1–5 pictures per motion alarm
- Operates up to 4 years on the pre-installed batteries
- Uses IR-backlight to take pictures in the dark

Effortless Operation

- 3 adjustable sensitivity levels
- Two-way communication with the hub for testing and configuring
- Proprietary SmartDetect algorithm to prevent false alarms
- Digital temperature compensation
- Pet-immunity algorithm to ignore the pets that are less than 20 kg in weight and 50 cm in height

Simple Installation



Scan the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention

MotionProtect

Wireless pet immune motion detector



Wireless indoor motion detector sends an immediate alarm to the hub when it spots an intruder moving inside the protected property. An integrated pet-immunity algorithm minimizes the risk of false alarms triggered by pets.

Maximum Performance

- Communicates at a distance of up to 1,700 m from the hub
- Detects motion at a distance of up to 12 m
- Delivers an alarm signal within 0.15 s
- Operates up to 5 years on the pre-installed battery

Effortless Operation

- 3 adjustable sensitivity levels
- Proprietary SmartDetect algorithm to prevent false alarms
- Digital temperature compensation
- Two-way communication with the hub for testing and configuring
- Pet-immunity algorithm to ignore the pets that are less than 20 kg in weight and 50 cm in height

Simple Installation



Scan the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention



MotionProtect Outdoor

Wireless outdoor motion detector with anti-masking and pet immunity

Wireless outdoor motion detector sends an immediate alarm to the hub when it notices trespassers. Digital signal processing algorithms minimize the risk of false alarms and help the detector to ignore pets. The device operates even at extremely high or low temperatures. Its body is protected against dust and splashes.




Maximum Performance

- Communicates at a distance of up to 1,700 m from the hub
- Detects motion at a distance of 3–15 m
- Delivers an alarm signal within 0.15 s
- Operates up to 5 years on the pre-installed batteries and supports external power supply
- Uses Grade 3 anti-masking algorithms to detect obstacles, paint or stickers
- Operates even at extremely high or low temperatures

Effortless Operation

- 3 adjustable sensitivity levels
- Proprietary LISA algorithm to prevent false alarms in outdoor conditions
- Digital temperature compensation
- Two-way communication with the hub for testing and configuring
- Pet-immunity algorithm to ignore the pets that are less than 80 cm in height

Simple Installation




-  Use the QR code to connect the device to the hub
-  Use the SmartBracket to mount the device without disassembling it
-  Open the app to test connection quality and configure device settings



Live
Intelligent
Spectrum
Analysis

LISA intelligent algorithm prevents false alarms triggered by moving animals, swaying trees and plants, as well as birds and insects that land on the detector.

Bulletproof Protection

-  Tampering alarm
-  Data encryption
-  Device forgery prevention



DoorProtect

Wireless magnetic opening detector

Maximum Performance

- Communicates at a distance of up to 1,200 m from the hub
- Delivers an alarm signal within 0.15 s
- Operates up to 7 years on the pre-installed battery
- Features an external contact for connecting third-party NC detectors

Effortless Operation

- Includes magnets of various sizes for installation on any window and door frames
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention



GlassProtect

Wireless glass break detector

The detector uses an electret microphone to recognize low-frequency hit sounds and high-frequency crashing sounds of glass shatters. The two-step glass break detection decreases the likelihood of false alarms.




Maximum Performance

- Communicates at a distance of up to 1,000 m from the hub
- Detects glass breaking at a distance of up to 9 m
- Delivers an alarm signal within 0.15 s
- Operates up to 7 years on the pre-installed battery
- Features an external contact for connecting third-party detectors




Effortless Operation

- 3 adjustable sensitivity levels
- Two-factor glass break detection to register high- and low-pitched sounds
- Two-way communication with the hub for testing and configuring

Simple Installation

-  Use the QR code to connect the device to the hub
-  Use the SmartBracket to mount the device without disassembling it
-  Open the app to test connection quality and configure device settings

Bulletproof Protection

-  Tampering alarm
-  Data encryption
-  Device forgery prevention

CombiProtect

Wireless motion and glass break detector with pet immunity



Maximum Performance

- Communicates at a distance of up to 1,200 m from the hub
- Detects motion at a distance of up to 12 m
- Detects glass breaking at a distance of up to 9 m
- Delivers an alarm signal within 0.15 s
- Operates up to 5 years on the pre-installed battery

Effortless Operation

- 3 adjustable sensitivity levels for motion and glass break detection
- Uses SmartDetect algorithm to process alarms digitally and filter false alarms
- Digital temperature compensation
- Pet-immunity algorithm to ignore the pets that are less than 20 kg in weight and 50 cm in height
- Two-factor glass break detection to register high- and low-pitched sounds
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention



Button

Wireless panic button / remote control for scenarios

In case of emergency, Button can instantly alert an alarm response company and system users about danger. Alternative control mode enables to control lights, home appliances, roller shutters, locks, and gates.

Maximum Performance

- Communicates at a distance of up to 1,300 m from the hub
- Delivers a command to the hub within 0.15 s
- Command delivery indication with a LED-light
- Panic button mode for emergency situations
- Control mode for running scenarios manually
- Operates up to 5 years on the pre-installed battery

Easy to Use



Use panic button mode to call for help in one click



Use control mode to run scenarios manually and manage electrical appliances



Set Button to react only on double-click or long-press to avoid accidental alarms

Bulletproof Protection



Data encryption



Device forgery prevention



Protected from dust and splash



Keypad

Two-way wireless keypad

Wireless Wireless stationary control device allows to use numerical passcodes to arm and disarm Ajax security system, activate Night mode, and raise a silent alarm in case of emergency. The device can be mounted by the entry door to provide quick system control.

Maximum Performance

- Communicates at a distance of up to 1,700 m from the hub
- Arms and disarms the entire security system or certain groups, activates the Night mode
- Allows to assign personal passcodes to each user
- Features duress code protection to raise a silent alarm in case users are forced to disarm the system
- Operates up to 2 years on the pre-installed batteries

Effortless Operation

- Numbers light up when the device is touched
- Visual command delivery confirmation
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Use the SmartBracket to mount the device on a wall without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Encrypted communication



Device forgery prevention



Resistant to brute force password attacks

Tech Specs

- Color: white/black
- Device type: wireless
- Installation: indoors
- Radio communication range: up to 1,700 m
- Compatibility: all hubs & ReX
- Temperature sensor: available
- Duress code: yes
- Protection against password attack: yes
- Battery: 4x AAA, pre-installed
- Battery life: up to 2 years
- Operating temperature range: from -10°C to +40°C
- Permissible humidity: up to 75%
- Dimensions: 150x103x14 mm
- Weight: 197 g



SpaceControl

Two-way wireless key fob with panic button

A key fob allows to quickly arm/disarm the security system, activate the Night mode for partial property protection, or notify other users and an alarm response company about an emergency.

Maximum Performance

- Communicates at a distance of up to 1,300 m from the hub
- Delivers a command to the hub within 0.15 s
- Command delivery indication with a LED-light
- Operates up to 5 years on the pre-installed battery

Easy to Use

- Large buttons for arming/disarming and activating the Night mode
- Panic button to call for help in emergency situations

Tech Specs

- Color: white/black
- Device type: wireless
- Compatibility: all hubs & ReX
- Number of buttons: 4
- Radio communication range: up to 1,300 m
- Battery: CR2032, pre-installed
- Battery life: up to 5 years
- Operating temperature range: from -25°C to +50°C
- Permissible humidity: up to 95%
- Dimensions: 65×37×10 mm
- Weight: 13 g

Bulletproof Protection



Encrypted communication



Device forgery prevention



HomeSiren

Wireless indoor siren

Wireless indoor siren generates up to 105 dB at a distance of 1 m to deter burglars and attract the attention of neighbors in case of unauthorized trespassing. An inbuilt LED light and beeps indicate the system status. Moreover, the siren can power an external LED installed at the front door to warn that the property is armed.

Maximum Performance

- Communicates at a distance of up to 2,000 m from the hub
- Indicates armed/disarmed states and low battery charge using a built-in LED
- Generates an audible warning if *delay when entering/leaving mode* is activated
- Indicates with sound and light when system's status changes if *beep when arming/disarming mode* is activated
- Features an external connector for powering a LED
- Operates up to 5 years on the pre-installed batteries

Effortless Operation

- Adjustable sound level and alarm duration
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention

Tech Specs

- Color: white/black
- Installation: indoors
- Radio communication range: up to 2,000 m
- Compatibility: all hubs & ReX
- Sound volume level: adjustable, 81-105 dB at a distance of 1 m
- Alarm length: adjustable, 3-180 s
- Temperature sensor: available
- Battery: 2x CR123A, pre-installed
- Battery life: up to 5 years
- Protection class of body: IP50
- Operating temperature range: from -10°C to +40°C
- Permissible humidity: up to 75%
- Dimensions: 150×103×14 mm
- Weight: 197 g

StreetSiren

Wireless outdoor siren



Wireless outdoor siren generates up to 113 dB at a distance of 1 m to deter burglars and attract the attention of neighbors in case of unauthorized trespassing. An inbuilt LED light and beeps indicate the system status. StreetSiren operates on the pre-installed batteries but can be connected to a low current power supply, as well.

Maximum Performance

- Communicates at a distance of up to 1,500 m from the hub
- Operates even at extremely high or low temperatures
- Indicates armed/disarmed states and low battery charge using a built-in LED
- Generates an audible warning if *delay when entering/leaving* mode is activated
- Indicates with sound and light when system's status changes if *beep when arming/disarming* mode is activated
- Operates up to 5 years on the pre-installed batteries and supports external power supply

Effortless Operation

- Adjustable sound level and alarm duration
- Two-way communication with the hub for testing and configuring
- Resists dust, hail and rain drops

Simple Installation



Use the QR code to connect the device to the hub



Use the SmartBracket to mount the device without disassembling it



Open the app to test connection quality and configure device settings

Tech Specs

- Color: white/black
- Radio communication range: up to 1,500 m
- Compatibility: all hubs & ReX
- Type of indication: sound/light
- Sound volume level: adjustable, 81–113 dB at a distance of 1 m
- Alarm length: adjustable, 3–180 s
- Battery: 4x CR123A, pre-installed
- Battery life: up to 5 years
- Optional supply: 12 V, 1.5 A DC
- Protection class: IP54
- Operating temperature range: from -25°C to +50°C
- Permissible humidity: up to 95%
- Dimensions: 200×200×51 mm
- Weight: 528 g

Bulletproof Protection



Tampering and accelerometer alarm



Data encryption



Device forgery prevention



FireProtect

Wireless smoke and heat detector with sounder

Wireless fire detector quickly detects smoke and sharp jumps in temperature to raise an alert in case of danger. A built-in siren generates 85 dB at a distance of 1 m to warn those who are nearby.




Maximum Performance

- Communicates at a distance of up to 1,300 m from the hub
- Delivers an alarm signal within 0.15 s
- Interconnected alarms feature to simultaneously activate sirens in all the fire detectors within the system
- Operates up to 4 years on the pre-installed batteries




Effortless Operation

- Always on, always ready to detect fire and smoke
- False-alarm prevention algorithms
- Features options for manual and automatic smoke chamber checks
- Two-way communication with the hub for testing and configuring
- Can operate independently from hub, notifying of danger with a built-in siren

Simple Installation

-  Use the QR code to connect the device to the hub
-  Use the SmartBracket to mount the device without disassembling it
-  Open the app to test connection quality and configure device settings

Bulletproof Protection

-  Tampering alarm
-  Data encryption
-  Device forgery prevention



LeaksProtect

Wireless flood detector

The detector is vigilant 24/7. If water touches even one of the four pairs of contacts, LeaksProtect sends hub an alarm. Moreover, when the area dries out, it registers the situation and automatically cancels the alarm.

Maximum Performance

- Communicates at a distance of up to 1,300 m from the hub
- Delivers an alarm signal within 0.15 s
- Operates up to 5 years on the pre-installed batteries

Effortless Operation

- Always on, always ready to detect flooding
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Place on the floor in the areas of potential water leakage



Open the app to test connection quality and configure device settings

Bulletproof Protection



Tampering alarm



Data encryption



Device forgery prevention

Tech Specs

- Color: white/black
- Installation: indoors
- Compatibility: all hubs & ReX
- Radio communication range: up to 1,300 m
- Battery: 2x AAA, pre-installed
- Temperature sensor: available
- Protection class: IP65
- Battery life: up to 5 years
- Operating temperature range: from 0°C to +50°C
- Permissible humidity: up to 100%
- Dimensions: 56x56x14 mm
- Weight: 40 g



WallSwitch

Wireless power relay with energy monitor

Wireless power relay helps to control electric appliances remotely with an Ajax app. It monitors electric power consumption, protects devices from power surges, and executes automation scenarios.

Maximum Performance

- Communicates at a distance of up to 1,000 m from the hub
- Monitors electric power consumption
- Protects electric devices from voltage spikes
- Executes automation scenarios
- Compact body size allows for inconspicuous installation

Effortless Operation

- Notifies about power outages, overvoltage, and overheating
- Settings are restored automatically in case of power failure
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Install the device directly into an outlet wall plate or a 230 V circuit



Open the app to test connection quality, create scenarios, and configure device settings



Device forgery prevention



Encrypted communication

Bulletproof Protection

Tech Specs

- Compatibility: all hubs & ReX
- Radio communication range: up to 1,000 m
- Actuating element: electromagnetic relay
- Relay service life: 200,000 switch-ons
- Voltage protection:
For 230 V mains: min – 161 V, max – 264 V
For 110 V mains: min – 77 V, max – 126 V
- Maximum load current: 13 A
- Maximum temperature protection:
>+65°C in the wall plate
- Permissible power:
resistive load at 230 V – up to 3 kW
resistive load at 110 V – up to 1.5 kW
- Energy consumption parameter check:
current, voltage, power consumption
- Power supply: 110–230 V ±10% 50/60 Hz
- Protection class of body: IP20
- Operating temperature range:
from 0°C to +64°C
- Permissible humidity: up to 75%
- Dimensions: 39×33×18 mm
- Weight: 30 g



Relay

Wireless low-current dry contact relay

Wireless dry contact relay helps to control low current equipment remotely with an Ajax app. It features an additional pulse equipment control function and executes automation scenarios.

Maximum Performance

- Communicates at a distance of up to 1,000 m from the hub
- Features a pulse equipment control function
- Executes automation scenarios
- Compact body size allows for inconspicuous installation

Effortless Operation

- Switches off automatically in response to voltage surge and overheating
- Settings are restored automatically in case of power failure
- Two-way communication with the hub for testing and configuring

Simple Installation



Use the QR code to connect the device to the hub



Open the app to test connection quality, create scenarios, and configure device settings



Install the device inside connection boxes, electrical service panels, or housings of the electrical switchboards

Bulletproof Protection



Device forgery prevention



Encrypted communication

Tech Specs

- Compatibility: all hubs & ReX
- Radio communication range: up to 1,000 m
- Power supply: 7–24 V (DC only)
- Relay service life: 200,000 switch-ons
- Voltage protection: min – 6.5 V, max – 36.5 V
- Maximum load current: 5 A at 36 V DC, 13 A at 230 V AC
- Maximum temperature protection: >+65°C at the place of installation
- Protection class of body: IP20
- Operating temperature range: from 0°C to +64°C
- Permissible humidity: up to 75%
- Dimensions: 39×33×18 mm
- Weight: 25 g



Transmitter




Module for third-party detector integration

Wireless module for connecting third-party detectors (i.e. IR barriers, liquid level detectors, gas detectors, and thermal relays) to the Ajax security system.




Maximum Performance

- Communicates at a distance of up to 1,600 m from the hub
- Compatible with detectors featuring NC/NO outputs
- Delivers an alarm signal within 0.15 s
- Operates up to 5 years on the pre-installed batteries
- Provides 3.3 V power supply for connected device

Simple Installation

-  Use the QR code to connect the device to the hub
-  Open the app to test connection quality and configure device settings
-  Install the device into the detector's body or a mounting box

Bulletproof Protection

-  Tampering and accelerometer alarm
-  Data encryption
-  Device forgery prevention

Effortless Operation

- Suitable for indoor and outdoor operation
- Indicates battery level in the app
- Two-way communication with the hub for testing and configuring



When security is art

Learn more at

www.ajax.systems