

Ajax StarterKit

A quick start to protecting your home

The StarterKit is the core of the Ajax wireless security system. Adding additional devices turns it into a universal security system that can protect against intrusion, fire and flooding. The Ajax StarterKit is professional level quality that blends beautiful design with a simple-to-use interface that will keep any user at ease.



MotionProtect



Hub



DoorProtect



SpaceControl



Ajax MotionProtect

Pet immune motion PIR detector

Ajax MotionProtect detects the first step of a human on the premises but ignores pets, drafts and noise from an air conditioner.



Maximum performance

- Works up to 2,000 meters from Ajax Hub in open space or across several floors of a business center
- Detects motion up to 12 meters away
- Detects the first step of an intruder
- Processes signals digitally



Protection from intruders and failure

- Uses authentication to protect against fraud
- Tampering alarm
- Adjustable polling period from 12 seconds
- Jamming detection, frequency-hopping
- Uses an encrypted connection

Tech specs

- Detector type: Wireless
- Use: Indoor
- Movement detection distance: Up to 12 m (39.4 ft)
- Sensitivity: 3 levels adjustable (low, medium, high)
- Detection angle: 88.5° horizontal / 80° vertical
- Installation height suggested: 2.4 m (7.9 ft)
- Pet ignoring option: Weight up to 20 kg (44 lb), height up to 50 cm (19.7 in)
- Tampering alarm: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Maximum distance between detector and central unit: Up to 2,000 m (6,552 ft) (in open area)
- Power supply: CR123A battery
- Power supply voltage: 3 V
- Battery life: Up to 7 years
- Operating temperature range: From 0°C (+32°F) to +50°C (+122°F)
- Operating humidity: Up to 80%
- Dimensions: 110x65x50 mm (4.33x2.55x1.96 in)



Effortless operation

- Adjustable to three different sensitivity levels
- Uses our SmartMotion algorithm to avoid false alarms from animals weighing less than 20kg
- Eliminates false alarms from gear and electromagnetic interference using a FresnelTech optical component, made from POLY IR4 material and an Excelitas PIR sensor
- Works under most conditions due to digital temperature compensation
- Two-way communication with Ajax Hub allows for periodic testing and customization
- Has a battery life of up to 7 years



Simple professional-level installation

- No need to disassemble the body when installing using SmartBracket mounts
- The quality of the connection and detection area can be tested remotely
- Connects to Ajax Hub with a single click
- Can be used with third-party security systems using the uartBridge and Bridge Plus modules



Ajax Hub

Intelligent control panel

Ajax Hub enhances the performance of each device in the Ajax system. It monitors and controls network devices and collects data using Jeweller, our advanced wireless connection technology. The hub analyzes threats, filters false alarms and alerts you of any real danger. Additional protection against sabotage makes Ajax Hub unassailable, along with any premises it protects.



Maximum performance

- Jeweller wireless technology allows Ajax Hub to monitor securely all network devices up to 2,000 meters away in open space or across several floors of a business center
- An ARM processor provides additional power for critically important tasks
- Uses an Ethernet connection with a GSM backup
- Can work with up to 100 devices simultaneously
- Up to 50 users and a security firm can connect to the system for monitoring via Contact ID



Effortless operation

- The system works even with very poor connections: the system works at a speed of just 0.5 kbit/s
- Two-way communication allows for periodic testing and easy customization
- Firmware and software updates are free and automatic
- The system can be easily controlled using a keychain remote, smartphone app or a web browser
- Ajax Hub securely maintains a history of all events
- Geofence technology can remind you to arm the security system when you leave and disarm it when you get back



Protection from intruders and failure

- All sockets and buttons are hidden inside the body
- Tampering alarm
- External power failure immediately activates an alarm
- Works up to 15 hours on battery backup
- Pings every 12-300 seconds to monitor the system
- Jamming detection, communication channels encryption and authentication
- Ajax Hub automatically chooses an unaffected frequency in case of channel failure
- A backup GSM signal will notify you in case of a network failure
- Ajax Hub will keep you updated using its DeliverAnyway algorithm, even in cases of a network failure



Simple professional-level installation

- The system can be installed easily in under 30 minutes using the interactive manual and SmartBracket mounts
- The quality of the connection, device detection area and level of radio noise can be tested remotely
- Devices connect to Ajax Hub with a single click

Tech specs

- Size: 162.7x162.7x35.9 mm
- Weight: 320 g
- Power: 110-250 V AC
- Radio signal power: 25 mW
- Operating temperature range: From 0°C (+32°F) to +50°C (+122°F)
- Connection: GSM (850/900/1800/1900 MHz), Ethernet
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Operating range: Up to 2,000 m (6,552ft) (in open area)
- Back-up battery capacity: Li-Ion 2 Ah (rechargeable)
- Back-up battery working time: Up to 15 hours
- Apps available: iOS 7.1 or later, Android 4.1 or later
- Maximum number of users: 50
- Maximum number of connected devices: 100
- Tampering alarm: Available



Ajax DoorProtect

Magnetic opening detector

Ajax DoorProtect helps to protect doors and windows across several floors of a house or office.



Engineering masterpiece

- Its compact size and powerful magnet make Ajax DoorProtect the ideal detector to protect all types of doors and windows



Maximum performance

- Works up to 2,000 meters from Ajax Hub in open space or across several floors of a business center
- Allows for connection to a third-party opening detector
- Can be used with third-party security systems using the uartBridge and ocBridge Plus modules



Protection from intruders and failure

- Uses authentication to protect against fraud
- Tampering alarm
- Adjustable polling period from 12 seconds
- Jamming detection, frequency-hopping
- Uses an encrypted connection



Smooth operation

- Uses British-made reed switches that can be toggled more than 1,000,000 times without failure
- Two-way communication with Ajax Hub allows for periodic testing and customization
- Saves energy by regulating power consumption based on the distance from Ajax Hub
- Has a battery life of up to 7 years when pinging once per minute



Simple professional-level installation

- No need to disassemble the body when installing using SmartBracket mounts
- Uses powerful magnets that can be installed up to 2 cm from the main unit
- The quality of the connection and detection area can be tested remotely
- Connects to Ajax Hub with a single click

Tech specs

- Mounting: Surface-mounted
- Distance to magnet: Up to 1 cm (0.4 in) (small magnet), up to 2 cm (0.8 in) (big magnet)
- Use: Indoor
- Additional input to plug in the wire detectors: Available
- Tampering alarm: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Maximum distance between detector and central unit: Up to 2,000 m (6562 ft) (in open area)
- Power supply: CR123A battery
- Power supply voltage: 3 V
- Battery life: Up to 7 years
- Operating temperature range: From 0°C (+32°F) to +50°C (+122°F)
- Operating humidity: Up to 80%
- Dimensions: 20x90 mm (0.78x3.54 in)



Ajax SpaceControl

Key fob with a panic button

Protected with rolling code encryption and authentication, Ajax SpaceControl works at a distance of up to 1,000 meters from Ajax Hub in open space.



Maximum performance

- Works up to 1,000 meters from Ajax Hub in open space or across several floors of a business center
- Can be used with third-party security systems using the uartBridge and ocBridge Plus modules
- Equipped with panic button
- Allows for partial arming of the system



Protection from intruders and failure

- Protected with rolling code encryption and authentication



Easy to use

- Through two-way communication with the hub, the keyfob confirms delivery of any command

Tech specs

- Number of buttons: 4
- Alarm button: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Maximum distance between keyfob and central unit: Up to 1,000 m (3,300 ft) (in open area)
- Power supply: CR2032 battery
- Power supply voltage: 3 V
- Battery life: Up to 3 years
- Operating temperature range: From -20°C (-4°F) to +50°C (+122°F)
- Operating humidity: Up to 90%
- Dimensions: 65x37x10 mm (2.5x1.45x0.4 in)

Jeweller

No wires. No worries

Jeweller is our wireless radio technology with an advanced level of protection. We created it to be as secure as wires, but more versatile. Jeweller connects detectors with the hub at a distance of up to 2,000 meters and reduces the energy output of devices, giving them a battery life of up to 7 years.



Reliable

- Operating range – up to 2,000 m
- Self-regulated power supply of the radio signal – up to 25 mW
- Operating frequencies – 868.0-868.6
- Battery life – up to 7 years



Informative

- Instant alarms
- Device polling period from 12 seconds
- Two-way communication
- TDMA



Secure

- Encrypted radio channel
- Protection from jamming and signal forgery
- Frequency hopping



Convenient

- Installation in 30 minutes
- Remote system setup
- Remote software updates

Tech specs

- Radio signal power: Up to 25 mW (self-adjustable)
- Connection type: Two-way
- Operating frequencies: 868.0-868.6
- Encryption type: Block based on AES standard encryption
- Maximum number of connected devices: 100
- Alarm triggering time: Instantly
- TDMA: Available
- Jamming protection: Available
- Tamper protection: Available
- Signal forgery protection: Available
- Failure protection: Available
- Remote setup: Available

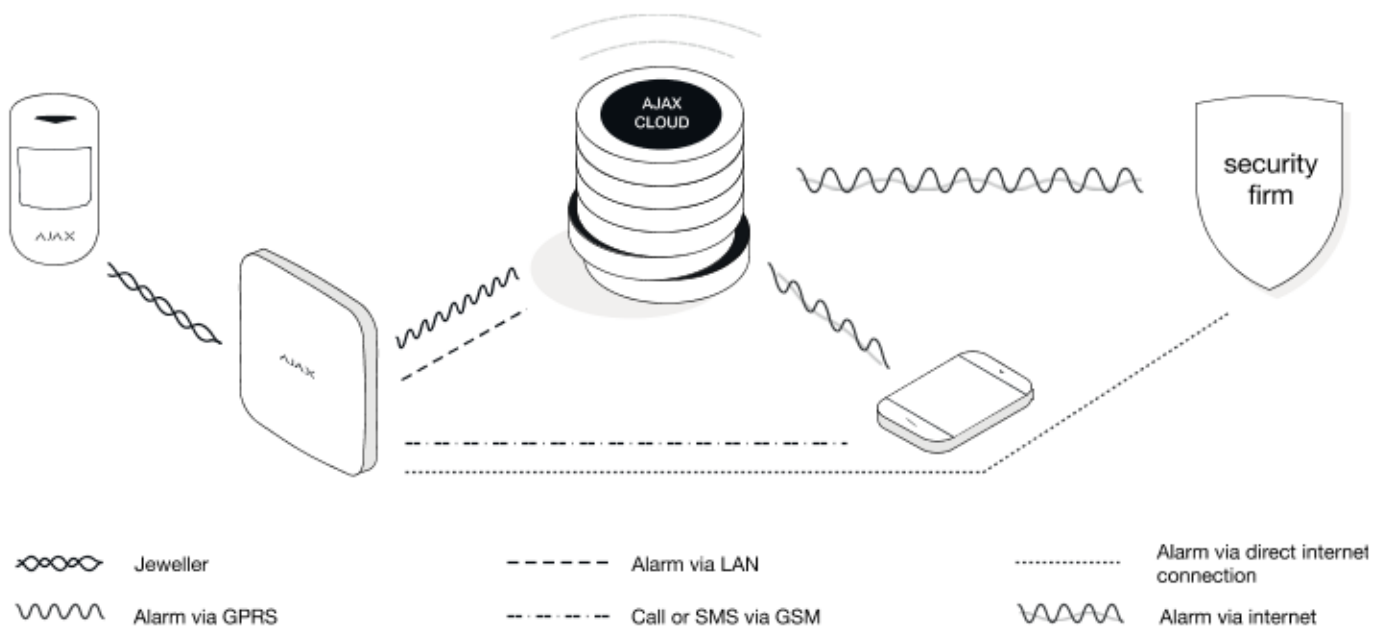
Ajax Cloud

Fast. Powerful. Ease

We created a digital ecosystem that increases the capabilities of Ajax devices. Thanks to Ajax Cloud, all processes are regulated and accurate. It takes just milliseconds to send an alarm from the hub to the server and then to the user. The system can be configured remotely with a few clicks. And every remote firmware update increases the functionality of the system.

Specs

- Hub polling every 10 seconds
- Detailed info about device status
- Remote system setup
- Automatic software updates
- Direct connection with CMS



Apps

Home is just a few clicks away

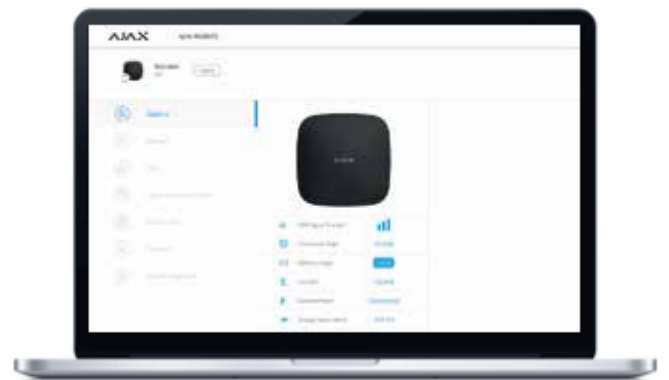
The Ajax Security System app is a virtual control center, available day and night. You can check the system status, arm/disarm it or change the system configuration. All with just a few taps on your smartphone or computer.



iOS



Android



Web



Arming/
disarming



Instant
notifications



Detailed info
about device
status



Remote
testing and
configuration



Regular
updates

Integrity

Threat management

Ajax can prevent both software and hardware attacks. It was designed with all possible threats to the system in mind. The detectors are protected from physical tampering and the radio channel is secure from jamming and sabotage. And the system immediately detects any outside intrusions.



Blackouts

The system reports power failures and continues working from the backup battery



Internet Issues

A backup GSM signal sends notifications in the event of a network failure



Detector Failure

Frequent pinging ensures an alert is sent as soon as a device stops responding



Damaged Sensor

Frequent pinging instantly determines damage



Server Unavailable

An alert is sent instantly



Jammed Radio Channel

The system notifies users and monitoring stations of jamming and switches to a clean frequency



Hacking Attempts

All data is heavily encrypted to ensure safety



Open Detectors

All devices are tamper proof; an instant alarm is sent when the cover is removed