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 an simple-to-use interface that will keep any user at ease.
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: Jowalier 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 IP4 material and an Ecelitas FIR sensor
- Works under most conditions due to digital temperature compensation
- Two-way communication with Ajax Hub allows for period 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

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

Tech specs
- Size: 162.7x182.7x35.9 mm
- Weight: 320 g
- Power: 110-230 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 (6,552 ft) 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

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

Simple professional-level installation
- The system can be installed easily in under 30 minutes using the interactive manual and SmartBraket 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
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 o2Bridge 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.

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 mV.
- Communication protocol: Jeweller (456.0-666.6 MHz).
- Maximum distance between detector and central unit: Up to 2,000 m (6,562 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: 20x60 mm (0.78x2.36 in).

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.
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 osBridge 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 (863.0-868.6 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.
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