Ajax Hub
The brain of the Ajax security system

A smart hub enhances the performance of each device in the Ajax network. The hub controls other devices and collects data with the help of advanced wireless connection technology, Jeweller. It analyzes threats, filters false alarms, and informs you in case of the real threat. Sabotage proof technologies make Ajax Hub and the premises protected by Ajax unassailable.

Enhanced performance

○ Jeweller wireless technology allows for placing the network at the distance of up to 2,000 meters of open space or on the several floors of a business center

○ ARM processor provides more power needed for critically important tasks

○ The system works through Ethernet with GSM as back-up link

○ Ajax Hub can service up to 100 devices

○ Up to 10 users and a security firm (with the help of Contact ID) can connect to the system to monitor it

Smooth operation

○ The system works even when the connection is very poor: 0.5 kbit/s GPRS is enough

○ Two-way communication with the devices allows for periodical testing and easy customization

○ Update of firmware and software are free and automatic

○ Control through a keychain remote, free apps for smartphone (iOS/Android) or a browser

○ Ajax Hub stores the history of all events noticed by the system

○ Geofence technology reminds you to arm the security system when you leave and disarm it after you come back

Protection from failures and sabotage

○ All sockets and buttons are inside the body

○ The body is tamper proof

○ Alarm goes off when external power is cut off

○ Working time on back-up power is up to 10 hours

○ Response from detectors is checked every 12-300 seconds (adjustable)

○ Equipped with systems that detect and prevent jamming, encrypt channels, and ensure authentication to protect from device fraud

○ Real time OS protects the system from viruses and intrusion

○ GSM module provides backup connection in case the Internet goes down

Simple professional-level installation

○ The system can be installed in under 15 minutes thanks to the interactive manual and SmartBracket mounts

○ Availability of detectors, response area and the level of radio noise can be tested from a remote location

○ Quality of connection with devices, their detection area, can be tested from a remote location

○ New devices are connected in one click with the help of QR-codes

Engineering masterpiece

○ Ultrathin AC power adapter 50-230V built into the body

○ Ajax Hub is still less than 4cm thick

Tech specs

- Colours: White/Black
- 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 (868/915 MHz, depending on the country of distribution)
- Operating range: Up to 2000 m (6552 ft) (in open area)
- Back-up battery: Li-Ion 2 Ah (battery life up to 10 hours*)
- Apps available: iOS 7.1 or later, Android 4.1 or later
- Maximum number of users: 10
- Maximum number of connected devices: 100
- Tamper protection: Available

*only GSM connection