A New Generation

Of Wireless Security Systems

We build a security system from scratch

Using our passion for combining art with technology, we created a super-reliable, elegant, easy-to-install and user friendly security system

About AJAX

Driving innovation in security

Ajax systems was founded in 2011 by alexander konotopskyi. Now the company already employs over 300 people. The product is designed and manufactured in ukraine. In 2015 ajax systems company received 1 million usd from the international venture capital fund smrk to scale on international markets.

The new generation of wireless security systems

Ajax is a new generation of wireless security systems with elements of a smart home. The ajax starterkit has everything necessary to protect your premises: hub (the brain of the system), a motion detector, a door opening detector, a keyfob. You can choose to add other detectors and gadgets available in the ajax ecosystem to your starterkit to enlarge, and enhance your protection. Due to the distinctive design and solutions in two colors (black/white), these devices will look stylish even in designer interiors.

New Ajax devices

The Ajax family of devices has grown to include a wall-mounted keyboard, a miniature home siren, and two new advanced models of current Ajax detectors.

- Ajax keypad
- Ajax home siren
- Ajax fire protect plus
- Ajax door protect plus
- Ajax security system

1 CATEGORY Combined Motion & Glass Break Detector | CombiProtect (8IN)

Classification	Electro-optical combined radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Sensing element	PIR sensor, electret microphone
Alarm signal delivery time	0.15 s
Motion detection distance	Up to 12 m
Detection angles	Horizontal — 88.5° Vertical — 80°
Recommended installation height	2.4 m
Break detection distance	Up to 9 m
Detection angle	180°
Sensitivity	Adjustable, 3 levels
Power supply	Battery: CR123A battery Power supply voltage: 3 V Battery life — up to 5Yr
Jeweller radio technology	Communication range with central unit — up to 1,200 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Certification	110x65×50 mmGrade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

2 CATEGORY Magnetic Opening Detector | DoorProtect (8IN)

Classification	Point magnetic and contact radio channel security detector
Installation method	Indoors
Compatibility	Operates with allAjax hubs, range extenders,ocBridge Plus, uartBridge
Sensing element	Reed switch
Alarm signal delivery time	0.15 s
Activation threshold	Small magnet —1 cm Big magnet —2 cm
Power supply	Battery: CR123AbatteryPower supply voltage: 3VBattery life — up to 7 years
Jeweller radio technology	Communication range with central unit — up to1,200 min an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraudJamming detectionTamper-resistant
Remote setting and testing	+
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the dateof sale. Batteries are not covered under warranty.

3 CATEGORY Magnetic Opening Detector | DoorProtectPlus (8IN)

Classification	Combined point magnetic contact and vibration radio channel security detector
Installation method	Indoors
Compatibility	Operates with all Ajax hubs, and range extenders
Sensing element	Reed switch, accelerometer
Alarm signal delivery time	0.15 s
Activation threshold	Small magnet —1 cm Big magnet —2 cm Tilt: more than 5°
Power supply	Battery: CR123 A battery Power supply voltage: 3VBattery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to1,200 min an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mWBlock encryption based o nAES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

4 CATEGORY Wireless Touch Keyboard | KeyPad (8IN)

Color	Black/white
Device type	Wireless
Use	Indoor
Keyboard type	Sensor
Number of buttons	15
Duress code	Available
Protection against password guessing	Available
Tampering alarm	Available
Arm/disarm status indication	Available
Radio signal power	20 mW
Communication protocol	Jeweller (868.0-868,6 MHz)
Maximum distance between keyboard and central unit	Up Lu 1,700 iii (5,577 ft) (in open area)
Power supply	4 AAA batteries
Power supply voltage	3V
Battery life	Up to 2 years
Battery charge indication	Available
Operating temperature range	From 0°C (+32°F) to +50°C (+122°F)
Operating humidity	Up to 80%
Dimensions	150 x 122.5 x 13.2 mm
Weight	172 g

5 CATEGORY Smart Smoke Detector With Temperature Sensors | FireProtect (8IN)

Classification	:	Radio channel smoke detector with temperature sensor and built-in siren
Type of detector	:	Wireless
Installation method	:	Indoors
Compatibility	:	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Sensing element	:	Photoelectric and temperature sensors
Activation threshold	:	+54°C to +65°C
Type of notification	:	Sound/light
Volume of built-in siren	:	85 dB
Alarm signal delivery time	:	0.15 s
False alarm filter	:	+
Interconnected alarms	:	+
Power supply	:	Battery: Two CR2 batteries Power supply voltage: 3 V Battery life up to 4 yrs Backup battery: Cr2032
Jeweller radio technology	:	Communication range with central unit — up to 1,300 m in an open space
	:	Two-way communication between devices Operating frequencies — 865-867
	:	Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on
	:	AES algorithm Detector polling period — 12–300 s
Additional temperature sensor	:	Available
Operating temperature range	:	From 0°C to +65°C
Permissible humidity	:	Up to 80%
Anti-sabotage	:	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	:	+
Certification	:	EN 14604
Warranty	:	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

6 CATEGORY Smart Smoke Detector With Temperature Sensors | FireProtect Plus (8IN)

Classification	:	Radio channel smoke detector with temperature sensor and built-in siren
Type of detector	:	Wireless
Installation method	:	Indoors
Compatibility	:	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Sensing element	:	Photoelectric, CO and temperature sensors
Activation threshold	:	+54°C to +65°C
Type of notification	:	Sound/light
Volume of built-in siren	:	85 dB
Alarm signal delivery time	:	0.15 s
False alarm filter	:	+
Interconnected alarms	:	+
Power supply	:	Battery: Two CR2 batteries Power supply voltage: 3 V Battery life — up to 4 years Backup power supply: battery Cr2032
Jeweller radio technology	:	Communication range with central unit — up to 1,300 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Additional temperature sensor	:	Available
Operating temperature range	:	From 0°C to +65°C
Permissible humidity	:	Up to 80%
Anti-sabotage	:	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	:	+
Certification	:	EN 14604
Warranty	:	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

7 CATEGORY Intelligent Control Panel | Ajax Hub (8IN)

Classification	:	The radio channel central unit with GSM and Ethernet modules
Maximum number of devices	:	100
connected to the hub	:	
Maximum number of cameras	:	10
connected to the hub	:	
Maximum number of users	:	50
Maximum number of rooms	:	50
Maximum number of groups	:	9
Mobile applications	:	iOS 9.1 and later Android 4.1 and later
Communication channels	:	Ethernet, GSM (850/900/1800/1900 MHz)
Alarm signal	:	Delivery time: 0.15 s Types of notifications: SMS message, call, push
Communication with Central Monitoring	:	Contact ID, SIA
Processor	:	ARM
Operating system	:	OS Malevich
Power supply	:	Mains supply: 110–240 V Battery backup: Li-Ion 2 A · h Up to 15 hours of offline operation when Ethernet is switched off Energy consumption from the grid - 10 W
Jeweller radio technology	:	Communication range with detectors — up to 2,000m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling
	:	period — 12–300 s Frequency hopping
SIM card support	:	Micro SIM 2G
Operating temperature range	:	From -10°C to +40°C
Anti-sabotage	:	Protection against fraud Jamming detection Tamper-resistant
Video surveillance	:	Up to 10 cameras or DVRs
Remote set up	:	+
Certification	:	Grade 2, CE
Warranty	:	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

8 CATEGORY Intelligent Control Panel | Ajax Hub 2 (8IN)

Classification	:	The radio channel central unit with the support of visual alarm verification detectors
Installation	:	Indoors
Maximum amount of devices that could	:	100
be connected to the hub	:	
Video surveillance support	:	Up to 25 cameras or DVRs
Maximum amount of users	:	50
Maximum amount of rooms	:	50
Maximum amount of security groups	:	9
Motion Cam detectors support	:	+
Communication channels	:	Ethernet two 2G SIM-cards
Alarm signals	:	Delivery time: 0.15 secNotification types: SMS, call, push-notification
Switching between the SIM-cards	:	4 minutes
CMS connectivity	:	Contact ID, SIA (DC-09) Photo verification integrated in Manitou, ABsistemDC(NG), WBB,
	:	Horus, V1/F1, Kronos, eLipse, Sentinel, MASterMind, Stages and SBN
The speed of alarm delivery to the CMS	:	Instant
Software		OS Malevich
Power supply	:	Main supply: 110–240 V Battery backup: Li-Ion 2 A·h Up to 16 hours of offline operation when the Ethernet is switched off Energy consumption from the grid — 10 W
Jeweller radio technology	:	Communication range with detectors — up to 2,000 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s Frequency hopping
Wings radio technology	:	Transmission of visual confirmations Delivery verification of packages
Operating temperature range	:	From -10°C to +40°C
Warranty	:	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

9 CATEGORY Intelligent Control Panel | Ajax Hub 2 Plus (8IN)

Classification	Security system control panel with four in-built channels for external communication and support of detectors with photo cameras
Connected devices	200
Video surveillance support	100 cameras and DVRs
Users	200
Rooms	50
Security groups	25
Connected ReX	5
Scenarios	64
MotionCam detectors support	+
Apps	iOS 11.0 and later Android 4.4 and later
Communication channels	2 SIM cards 2G (GSM900/DCS1800 (B3/B8)) 3G (WCDMA 850/900/2100 (B1/B5/B8)) LTE (FDD B1/B3/B5/B7/B8/B20) Wi-Fi (802.11 b/g/n) Ethernet Delivery time: 0.15 sec Notification types: SMS, call, push-notification
Alarm signals	
Switching between 2G, 3G, LTE	Instant
Switching between the SIM-cards	4 minutes
CMS connectivity	Contact ID, SIA (DC-09) Photo verification integrated in Manitou, ABsistemDC(NG), WBB, Horus, V1/F1, Kronos, eLipse, Sentinel, MASterMind, Stages and SBN
	OS Malevich
Operating system	110–240 V from mains Built-in back-up battery: Li-Ion 3 A·h Up to 15 hours of autonomous work when
Power supply	Ethernet or Wi-Fi channels are disabled Energy consumption from mains- 10 W
	Communication range with detectors — up to 2,000 m in an open space
Jeweller radio technology	Two-way communication between devices Operating frequencies — 865-867 Mhz
Wings radio technology	Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s Frequency hopping
	Transmission of visual confirmations Delivery verification of packages
Operating temperature range	From −10°C to +40°C
Anti-sabotage	Forgery prevention Notifications about jamming Tamper to detect back lid opening and unmounting from SmartBracket
Remote set up and testing	+
Certification	DSTU EN 50131
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

10 CATEGORY Flood Detector | LeaksProtect (8IN)

Classification	Radio channel water leak
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Alarm signal delivery time	0.15 s
Power supply	Battery: Two AAA batteries Power supply voltage: 3 V Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 1,300 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	0°C to +50°C
Permissible humidity	Up to 100%
Protection class	IP65
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	+
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

11 CATEGORY The Smallest Acoustic Glass Break Detector | GlassProtect (8IN)

Classification	Surface sound radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Sensing element	Electret microphone
Break detection distance	Up to 9 m
Alarm signal delivery time	0.15 s
Sensitivity	Adjustable, 3 levels
Detection angle	180°
Power supply	Battery: CR123A battery Power supply voltage: 3 V Battery life — up to 7 years
Jeweller radio technology	Communication range with central unit — up to 1,000 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

12 CATEGORY Wireless Indoor Siren | HomeSiren (8IN)

Classification	Radio channel security sounder
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates only with Hub, Hub Plus and ReX
Type of notification	Sound
Connector for external LED	Available
Sound volume level	Adjustable, 81–105 dB at a distance of 1 m
Alarm length	Adjustable, 3–180 s
Indication of armed/disarmed status	Yes
Alarm signal delivery time	0.15 s
Power supply	Battery: Two CR123A batteries Power supply voltage: 3V Battery life — up to 5 Yrs
Jeweller radio technology	Communication range with central unit — up to 2,000 m in an open space Two-way communication between devices Operating frequencies — 865–867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Device polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	-10°C to +40°C
Permissible humidity	Up to 75%
Protection class of body	Ip50
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

13 CATEGORY Pet Immune Motion PIR Detector Microwave Sensor | MotionProtect

Classification	Electro-optical combined radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates with all Ajax hubs, range extenders, ocBridge Plus, uartBridge
Sensing element	PIR sensor, microwave sensor (24 Ghz)
Alarm signal delivery time	0.15 s
Motion detection distance	Up to 12 m
Detection angles	Horizontal — 88.5° Vertical — 80°
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 m
Pet immunity	Weight — up to 20 kg Height — up to 50 cm
Power supply	Battery: CR123A battery Power supply voltage: 3 V Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 865—867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Device polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Dimensions	Grade 2, CE
Weight	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.
Certification	
Warranty	

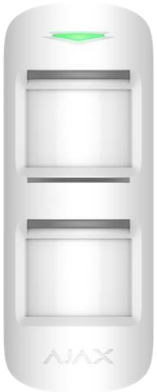
14 CATEGORY Pet Immune Motion PIR Detector Microwave Sensor | MotionProtect Plus (8IN)

Classification	Electro-optical combined radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates with all Ajax hubs, range extenders, ocBridge Plus, uartBridge
Sensing element	PIR sensor
Alarm signal delivery time	0.15 s
Motion detection distance	Up to 12 m
Detection angles	Horizontal — 88.5° Vertical — 80°
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 m
Pet immunity	Weight — up to 20 kg Height — up to 50 cm
Power supply	Battery: CR123A battery Power supply voltage: 3 V Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 865—867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Device polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Dimensions	Grade 2, CE
Weight	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.
Certification	
Warranty	

15 CATEGORY Pet Immune Motion PIR Detector | MotionCam (8IN)

Classification	Electro-optical combined radio channel security detector with a photo camera
Detector type	Wireless
Installation	Indoors
Motion detection distance	Up to 12 m
Pet immunity	Weight: up to 20 kg Height: up to 50 cm
Compatibility	Only with Hub 2, Hub 2 Plus
Sensing element	PIR-sensor
Alarm signal delivery time	0.15 sec
Detection angles	Horizontal — 88.5° Vertical — 80°
Camera view angle	90°
Photo verification	Time to deliver a photograph with default settings: up to 9 sec Photo quality: up to 640 × 480 Pictures in a series: 1–5 pcs
IR-backlight for night mode pictures	Available
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 m
Power supply	Batteries: CR123A (x2) Power supply voltage: 3 V Battery life: up to 4 years (up to 2.5 years if "Delay when entering" setting is activated)
Jeweller radio technology	Communication range with detectors: up to 1,700 m in the line of sight Two-way communication between devices Operating frequencies: 865-867 Mhz Self-adjusting RF output power: limit 20 mW Block encryption based on AES algorithm Detector polling period: 12–300 s Frequency hopping
Wings radio technology	Transmission of visual alarm verifications
Temperature sensor	Available
Operating temperature range	From 0°C to +40°C (manufacture date up to June 1, 2020) From -10°C to +40°C (manufacture date from June 1, 2020)
Operating humidity	Up to 75%
Anti-sabotage	Fraud protection Jamming notification Tamper-resistant
CMS compatibility	Motion alarms are transmitted to CMSs that support SIA (DC-09) and Contact IDrotocols. Visual alarm verifications are transmitted to the Manitou, Absistem DC(NG),WBB, Horus, V1/F1, Kronos, eLipse, Sentinel, MASter Mind, Stages and SBN CMS, and Ajax PRO Desktop app
Remote configuration and testing	+
Protection class	Ip50
Certification	Security Grade 2, Environmental Class II in conformity with the requirements of EN 50131
Warranty	Replacement and repair for a period of 24 months from the date of sale. The warranty does not cover batteries.

16 CATEGORY Pet Immune Motion PIR Detector | MotionProtect Outdoor (8IN)



Classification	Electro-optical radio channel security detector
Type of detector	Wireless
Installation method	Outdoors/indoors
Compatibility	Operates only with Hub, Hub Plus and ReX
Sensing element	Two PIR sensors
Alarm signal delivery time	0.15 seconds
Motion detection distance	Adjustable, up to 3—15 m
Detection angles	Horizontally—90°
Sensitivity	Adjustable, 3 levels
Recommended installation height	0.8—1.3 m
Pet-immunity	Weight — not relevant Height — up to 80 cm
Power supply	Power supply: 2 x CR123A battery Power supply voltage: 3 V Battery life — up to 5 years Mains supply: DC 12 V±20%
Jeweller radio technology	Communication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 865–867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	From –25°C to +60°C
Operating humidity	Up to 95%
Protection class	Ip55
Anti-sabotage	Anti-masking Prtection against fraud Jamming detection Tamper-resistant
Remote configuration and testing	+
Certification	Conforms to the requirements of CU TR 020/2011 «Electromagnetic compatibility of technical means», EAC
Certification	DSTU EN 50131
Warranty	Replacement and repair for a period of 24 months from the date of sale. The warranty does not coverbatteries.

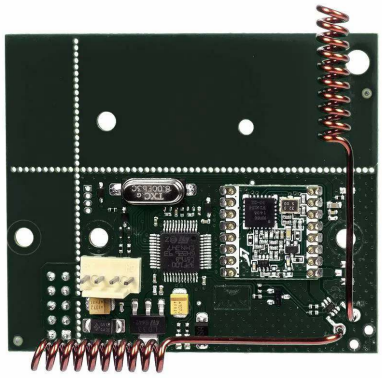
17 CATEGORY

MotionProtect Curtain (8IN)

Technical specifications	Radio-interlinked photoelectric security detector
Classification	Wireless
Type of detector	Indoors only
Installation	Operates with all Ajax hubs, and range extenders
Compatibility	Two PIR sensors
Sensing element	0.15 seconds
Alarm signal delivery time	Up to 15 m
Motion detection distance	Horizontally—6°
Detection angles	Vertically—90°
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 meters
Power supply	Battery: CR123A Power supply voltage 3 V Battery life: up to 3 years
Jeweller radio technology	Communication range with detectors — up to 1,700 m in an open space
	Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s Frequency hopping
Temperature sensor	Available
Operating temperature range	From −10°C to +40°C
Operating humidity	Up to 95%
Anti-sabotage	Fraud protection Jamming notification Tamper-resistant
Remote configuration and testing	+
Protection class	Ip54
Warranty	Replacement and repair for a period of 24 months from the date of sale. The warranty does not cover batteries. MotionProtect Curtain motion detector

18 CATEGORY

uartBridge(8IN)



Classification	Receiver of wireless detectors' signal
Type of detector	Wireless
Installation method	Indoors
Compatibility	Wired security systems and smart home systems
Maximum number of detectors	85
Supported devices	MotionProtect MotionProtect Plus CombiProtect DoorProtect
	FireProtect FireProtect Plus LeaksProtect SpaceControl
	GlassProtect
Alarm signal delivery time	0.15 s
Power supply voltage	5V DC
Jeweller radio technology	Communication range with detectors — up to 2,000min an open space Two-way communication with detectors Operating frequencies — 865–867MHz Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm Device polling period — 12–300 s
Operating temperature range	-10°C to +40°C
Permissible humidity	Up to 90%
Anti-sabotage	Protection against fraud Jamming detection
Interface	UART
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale.

19 CATEGORY Wireless Remote Control Relay

WallSwitch(8IN)

Classification	Radio channel relay unit
Device type	Wireless
Installation method	Into wall plate
Compatibility	Operates only with hub Ajax and ReX
Actuating element	Relay
Relay service life	200,000 switch-ons
Voltage protection	For 230 V mains: max — 264 V, min — 161 VFor 110V mains: max — 126 V, min — 77 -13A
	Yes (13A)
Maximum load current	>65°C in the wall plate
Maximum current protection	Resistive load at 230 V— up to 3 kWResistive load at 110V— up to 1.5 kW
Maximum temperature protection	Available
Permissible power	Current, voltage, power consumption
Electric power meter function	0.15 s
Energy consumption parameter check	110–230 V±10% 50/60 Hz
Alarm signal delivery time	Impulse (firmware version 5.54.1.0 or higher) Bistable
Power supply	Normally open Normally closed
Operation modes	0.5 – 255 sec
Contact state(firmware version 5.54.1.0 or higher)	Communication range with central unit — up to1,000 min an open space
Adjustable pulse duration	Two-way communication between devices Operating frequencies — 865-867 Mhz
(firmware version 5.54.1.0 or higher)	Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm
Jeweller radio technology	Detector scanning period — 12–300 s
Operating temperature range	0°C to +64°C
Permissible humidity	Up to 75%
Protection class of body	Ip20
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	+
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale.

20 CATEGORY

Ajax ReX (8IN)

Classification	Radio channel range extender
Device type	Wireless
Installation method	Indoors
Compatibility	Hub and Hub Plus featuring OS Malevich 2.7.1 and later
Alarm signal delivery time	0.3 seconds
Maximum connected devices	Hub — up to 99 Hub Plus — up to 149
Max number of connected ReX per hub	1
Operating system	OS Malevich
Power supply	Mains supply: 110–240 V Battery backup: Li-Ion 2 A · h Up to 35 hours of offline operation
Jeweller radio technology	Communication range with detectors — up to 1,800 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s Frequency hopping
Operating temperature range	From −10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Warranty	Within 24 months from the date of sale

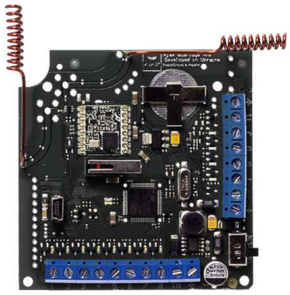
25 CATEGORY

MultiTransmitter (8IN)

Number of alarm/tamper zones	18
Supported detector contact types	NO, NC (without R), EOL (NC with R), EOL (NO with R)
Resistance of the EOL resistor	1 kΩ to 7.5 kΩ
Alarm signals processing mode	Pulsed or bistable
Main power supply	110–255 V, 50/60 Hz
Backup power	12 V DC
Supported battery type	Battery with 4 or 7 A · h capacity (not included)
Detector power supply	12 V DC, up to 1 A for all detector power supply outputs
Protection against dismantling	Tamper
Radio signal frequency band	865–867 Mhz
Compatibility	Operates with Hub, Hub Plus, Hub 2, Hub 2 Plus and ReX
Maximum radio signal power	limit 20 mW
Radio signal range	Up to 2,000 m in the line of sight
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Warranty	Replacement and repair for a period of 24 months from the date of sale.

26 CATEGORY

ocBridge Plus (8IN)



Classification	Receiver of wireless detectors
Installation method	Indoors
Compatibility	Wired and hybrid security systems
Number of security areas	8
Number of service areas	4
Loops	NO/NC, EOL, 2EOL
Maximum number of detectors	99
Supported devices	MotionProtect MotionProtect Plusb CombiProtect DoorProtect FireProtect FireProtect Plus LeaksProtect SpaceControl GlassProtect
Alarm signal delivery time	0.15 s
Power supply	Terminals +/ground
Power supply voltage	8—14 V DC miniUSB — 5 V (only for set up)
Jeweller radio technology	Communication range with detectors — up to 2,000 m in an open space Two-way communication with detectors Operating frequencies — 865–867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Device polling period 12–300 s
Capability of external antenna connection	Yes
Software update feature	Yes
Operating temperature range	-10°C to +40°C
Permissible humidity	Up to 90%
Anti-sabotage	Protection against fraud Jamming detection Tamper
Setting up and testing	Via configurator for PC
Interface	miniUSB
Warranty	CE
	Replacement and repair within 24 months of the date of sale.

27 CATEGORY

Ajax Relay (8IN)

Classification	Radio channel relay unit
Device type	Wireless
Installation method	Into electric switchboard, junction box
Compatibility	Operates only with hub Ajax and ReX
Actuating element	Electromagnetic relay
Relay service life	200,000 switch-ons
Voltage protection	Max — 36.5 V, min — 6.5 V
Maximum load current	5A at 36V DC, 13A at 230V AC
Maximum current protection	No
Maximum temperature protection	65°C at the place of installation
Electric power meter function	No
Energy consumption parameter check	Voltage
Alarm signal delivery time	0.15 s
Power supply	7—24 V (DC only)
Operation modes	Impulse Bistable
Contact state	Normally open Normally closed
Adjustable pulse duration	0.5 – 255 sec
Jeweller radio technology	Communication range with central unit — up to 1,000 m in an open space Two-way communication between devices Operating frequencies — 865–867 Mhz Self-adjusting RF output power — limit 20 mWBlock encryption based on AES algorithm Device scanning period — 12–300 s
Operating temperature range	0°C to +64°C
Permissible humidity	Up to 75%
Protection class of body	Ip20
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	+
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale.

28 CATEGORY

Ajax Button (8IN)

Classification	Addressed Radio Panic Button
Compatibility	Operates with hub Ajax, and ReX featuring OS Malevich 2.7.102 and later
False alarm prevention	Yes (in the Panic mode)
Number of buttons	1
Alarm transmission	Not longer than 0,15 sec Active from the first click (no need to wake it up)
Adjustable alarm types	Intrusion Fire Medical help Panic button Gas
Jeweller radio technology	Communication range with a hub — up to 1300 m in an open area Two-way communication channel Operating frequencies — 865–867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Frequency hopping
Power supply	Battery: CR2032 battery Power supply voltage: 3 V Battery life — up to 5 years
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Protection class	Ip55
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

21 CATEGORY Key Fob With a Panic Button | SpaceControl(8IN)

Classification	:	Four-button key for with command delivery indication
Compatibility	:	Operates with all Ajax hubs,and range xtenders, ocBridge Plus, uartBridge
Number of buttons	:	4
False alarm prevention	:	Yes, long press or double press (firmware version 5.54.1.0 or higher. Manufacture date from March 19,2020)
Deactivation of the panic button	:	Available
Power supply	:	Battery: CR2032 battery Power supply voltage: 3VBattery life — up to 5 years
Jeweller radio technology	:	Communication range with central unit — up to1,300 min an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm Device polling period — 12–300 s
Operating temperature range	:	-25°C to +50°C
Permissible humidity	:	Up to 95%
Certification	:	Grade 2, CE
Warranty	:	Replacement and repair within 24 months of the date of sale.

22 CATEGORY Wireless Street Siren | StreetSiren(8IN)

Classification	:	Light and sound radio channel security sounder
Type of detector	:	Wireless
Installation method	:	Indoors/outdoors
Compatibility	:	Operates only with Hub, Hub Plus and ReX
Type of notification	:	Sound/light
Sound volume level	:	Adjustable, 81–113 dB at a distance of 1m
Alarm length	:	Adjustable, 3–180 s
Indication of armed/disarmed	:	Yes
Alarm signal delivery time	:	0.15 s
Power supply	:	Battery: Four CR123AbatteriesPower supply voltage: 3VBattery life — up to 5 years Mains supply: DC 12 V±20%
Jeweller radio technology	:	Communication range with central unit — up to1,500 min an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mWBlock encryption based on AES algorithm Device polling period — 12–300 s
Temperature sensor	:	Available
Operating temperature range	:	-25°C to +50°C
Permissible humidity	:	Up to 95%
Protection class of body	:	Ip54
Anti-sabotage	:	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	:	+
Certification	:	Grade 2, CE
Warranty	:	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.

23 CATEGORY Wireless Street Siren | StreetSiren Double Deck(8IN)

Classification	:	Warning device with LED indicators (outdoor siren)
Type of siren	:	Wireless
Installation method	:	Outdoors/indoors
Compatibility	:	Operates only with Hub, Hub Plus, Hub 2, Hub 2Plus and ReX
Type of notification	:	Sound/light
Sound volume level	:	Adjustable, 85–113 dB at a distance of 1m
Alarm duration	:	Adjustable, 3–180 s
Indication of armed/disarmed	:	Available
Power supply	:	Battery: Four CR123 A batteries, 3VMains supply: DC 12 V±20%
Battery life	:	Up to 5 years Learn more
Jeweller radio technology	:	Communication range with central unit — up to1,500 min an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm Device polling period — 12–300 s
Temperature sensor	:	Available
Operating temperature range	:	From -25°C to +60°C
Permissible humidity	:	Up to 95%
Ingress protection rating	:	IP54
Anti-sabotage	:	Forgery prevention Jamming detection Tamper-resistant
Remote configuring and testing	:	Available
Certification	:	DSTU EN 50131, In compliance with therequirements of the technical regulations governing radio equipment
Color	:	White/Black
Warranty	:	Replacement and repair within 24 months of the dateof sale. Batteries are not covered under warranty.

24 CATEGORY | Transmitter (8IN)

Classification	:	Module for third-party detector integration
Device type	:	Wireless
Installation method	:	Indoors/outdoors
Compatibility	:	Operates only with hub Ajax and ReX
Alarm input	:	1
Tamper input	:	1
Power supply current	:	Terminals +/–
Power supply output	:	3.3V
Battery charge indication	:	Yes
Adjustable alarm types	:	Intrusion Fire Medical help Panic button as
Alarm signal delivery time	:	0.15 s
Power supply	:	Battery : Three CR123AbatteriesPower supply voltage: 3VBattery life — up to 5 years
Jeweller radio technology	:	Communication range with central unit — up to1,600 min an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mWBlock encryption based onAES algorithm Device polling period — 12–300 s
Temperature sensor	:	Available
Operating temperature range	:	-25°C to +50°C
Permissible humidity	:	Up to 75%
Anti-sabotage	:	Protection against fraud Jamming detection Accelerometer to detect removal
Remote setting and testing	:	+
Certification	:	CE
Warranty	:	Replacement and repair within 24 months of the dateof sale. Batteries are not covered under warranty.

29 CATEGORY

Ajax StarterKit (8IN)

The kit includes:

HUB KIT

- Hub - Intelligent control panel
- Motion Protect - Motion detector
- Door Protect - Opening detector
- Space Control - key fob

30 CATEGORY

Ajax StarterKit Cam (8IN)

The kit includes:

HUB KIT 2.0

- Hub - Intelligent control panel
- Motion Protect - Motion detector
- Door Protect - Opening detector
- Space Control - key fob

31 CATEGORY

Ajax StarterKit Cam Plus (8IN)

The kit includes:

HUB KIT 2.0 Plus

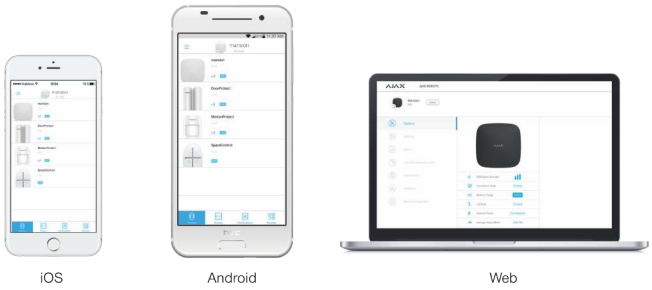
- **Hub 2 Plus - Intelligent control panel supporting Visual alarm**
- **Motion Cam - Motion detector with Visual alarm**
  Color: Black/White
- **Door Protect - Opening detector**
- **Space Control - key fob**
- **Distance between keyfob & Hub: Up to 1,300m in open are**

32 CATEGORY

Ajax Socket (8IN)

Classification	Radio channel relay unit
Device type	Wireless
Installation method	In power outlet
Compatibility	Operates only with hub Ajax and ReX
Actuating element	Electromagnetic relay
Voltage and type of external power supply	110 - 230 V, 50/60 Hz
Voltage protection for 230 V mains	Yes, 184–253 V
Relay service life	200,000 switch-ons
Maximum load current	11 A (continuous), 13 A (up to 5 s)
Maximum current protection	Yes, 11 A if the protection is turned on, up to 13 A if the protection is turned off
Maximum temperature protection	Yes, +85°C. The socket turns off automatically if the temperature is exceeded
Electric shock protection class	Class I (with grounding terminal)
Electric power meter feature	Available
Energy consumption parameter check	Current, voltage, power consumption
Alarm signal delivery time	0.15 s
Load indicator	Available
Output power (resistive load at 230 V)	Up to 2.5 kW
Average energy consumption of the device on standby	Less than 1 W
Operation modes	Impulse (firmware version 5.54.1.0 or higher) Bistable
Contact state (firmware version 5.54.1.0 or higher)	Normally open Normally closed
LED indication	Adjustable
Adjustable pulse duration (firmware version 5.54.1.0 or higher)	0.5 – 255 sec
Jeweller radio technology	Communication range with central unit — up to 1,000 m in an open space Two-way communication between devices Operating frequencies — 865-867 Mhz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Detector scanning period — 12–300 s
Operating temperature range	0°C to +40°C
Permissible humidity	Up to 75%
Protection class of body	Ip20
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	
Warranty	Replacement and repair within 24 months of the date of sale.

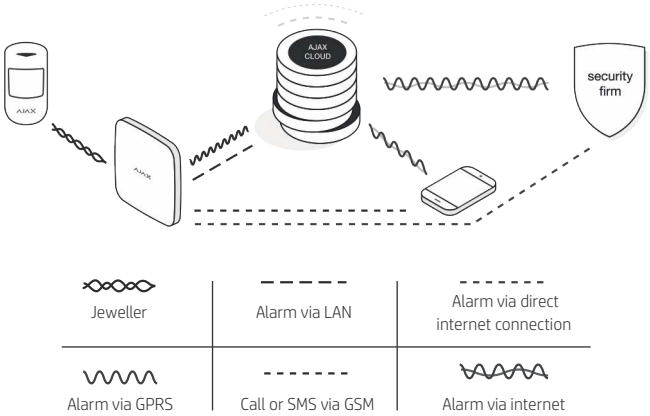
33 CATEGORY Home is Just a Few Clicks Away | APPS



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.

- Arming/ disarming
- Instant notifications
- Detailed info about device status
- Remote testing and configuration
- Regular updates

34 CATEGORY Fast. Powerful. Easy | Ajax Cloud



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