



HUB PLUS KIT 1 - WHITE

Kit contains -

1 x HUBPLUS

See page 2 for spec

2 x MOTIONPROTECT

See page 3 for spec

2 × SPACECONTROL

See page 4 for spec







1 x DOORPROTECT

See page 5 for spec

1 x STREETSIREN

See page 6 for spec

1 x HOMESIREN

See page 7 for spec











Hub Plus Specification

Complete set	Intelligent central unit of the security system with Wi-Fi and
	Ethernet modules, and dual SIM
Maximum number of connected devices to the hub	150
Video surveillance	Up to 50 cameras or DVRs
Maximum number of users	99
Maximum number of rooms	50
Maximum number of groups	25
Mobile applications	iOS 9.1 and later
	Android 4.1 and later
Communication channels	Ethernet
	Wi-Fi 2.4 GHz (802.11 b/g/n)
	2G (850/900/1800/1900 MHz)
	3G (WCDMA 900/2100 (B8/B1))
Alarm signal	Delivery time: 0.15 s
	Types of notifications: SMS, call, push
Switching between 2G and 3G	Instant
Switching between SIM cards	4 minutes
Communication with the CMS	Contact ID, SIA
Processor	ARM
Operating system	OS Malevich
Power supply	Mains supply: 110–240 V
	Battery backup: Li-lon 2 A h
	Up to 16 hours of battery life when Ethernet and Wi-Fi connections are disabled
Operating temperature range	-10°C to +40°C
Remote set up	+
Dimensions	163 x 163 x 36 mm
Weight	350 g
Complete set	Ajax Hub Plus intelligent central unit
	SmartBracket mounting panel
	Power cable
	Ethernet cable
	Installation kit
	SIM cards (depending on region)
	User's guide





Motion Protect Specification

Type of detectorWirelessInstallation methodIndoorsCompatibilityOperates with Hub, Hub Plus, ReX, ocBridge Plus, uartBridgeSensing elementPIR sensorAlarm signal delivery time0.15 sMotion detection distanceUp to 12 mDetection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotage#Pinensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Classification	Electro-optical combined radio channel security detector
CompartibilityOperates with Hub, Hub Plus, ReX, ocBridge Plus, uartBridgeSensing elementPIR sensorAlarm signal delivery time0.15 sMotion detection distanceUp to 12 mDetection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Type of detector	
Sensing elementPIR sensorAlarm signal delivery time0.15 sMotion detection distanceUp to 12 mDetection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Installation method	Indoors
Alarm signal delivery time0.15 sMotion detection distanceUp to 12 mDetection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Compatibility	Operates with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Motion detection distanceUp to 12 mDetection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom ±5°C to ±40°C Permissible humidityPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing Weight±Dimensions110x65x50 mm WeightWeight86 g CertificationComplete setMotionProtect motion detector	Sensing element	PIR sensor
Detection anglesHorizontal — 88.5°, Vertical — 80°SensitivityAdjustable, 3 levelsRecommended installation2.4 mheight2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Alarm signal delivery time	0.15 s
SensitivityAdjustable, 3 levelsRecommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Motion detection distance	Up to 12 m
Recommended installation height2.4 mPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Detection angles	Horizontal — 88.5°, Vertical — 80°
heightPet immunityWeight — up to 20 kg, Height — up to 50 cmPower supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° C Permissible humidityPointersabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Sensitivity	Adjustable, 3 levels
Power supplyBattery: CR123A battery, Power supply voltage: 3 V Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotage DimensionsProtection against fraud Jamming detection Tamper-resistantRemote setting and testing Weight+Setting and testing Certification110x65x50 mmWeight86 gComplete setMotionProtect motion detector		2.4 m
Battery life — up to 7 yearsJeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Pet immunity	Weight — up to 20 kg, Height — up to 50 cm
Jeweller radio technologyCommunication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Power supply	Battery: CR123A battery, Power supply voltage: 3 V
open spaceTwo-way communication between devicesOperating frequencies — 868.0—868.6 MHzSelf-adjusting RF output power — up to 20 mWBlock encryption based on AES algorithmDevice polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom ±5°C to ±40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Battery life — up to 7 years
Operating frequencies — 868.0—868.6 MHzSelf-adjusting RF output power — up to 20 mWBlock encryption based on AES algorithmDevice polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Jeweller radio technology	
Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5°C to +40°CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Two-way communication between devices
Block encryption based on AES algorithm Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Operating frequencies — 868.0—868.6 MHz
Device polling period — 12-300 sTemperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Self-adjusting RF output power — up to 20 mW
Temperature sensorAvailableOperating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Block encryption based on AES algorithm
Operating temp rangeFrom +5° C to +40° CPermissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Device polling period — 12-300 s
Permissible humidityUp to 75%Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Temperature sensor	Available
Anti-sabotageProtection against fraud Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Operating temp range	From $+5^{\circ}$ C to $+40^{\circ}$ C
Jamming detection Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Permissible humidity	Up to 75%
Tamper-resistantRemote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Anti-sabotage	Protection against fraud
Remote setting and testing+Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Jamming detection
Dimensions110x65x50 mmWeight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector		Tamper-resistant
Weight86 gCertificationGrade 2, CEComplete setMotionProtect motion detector	Remote setting and testing	+
CertificationGrade 2, CEComplete setMotionProtect motion detector	Dimensions	110x65x50 mm
Complete set MotionProtect motion detector	Weight	86 g
•	Certification	Grade 2, CE
	Complete set	MotionProtect motion detector
SmartBracket mounting panel		SmartBracket mounting panel
CR123A battery (pre-installed)		CR123A battery (pre-installed)
Installation set		Installation set
User's guide		User's quide





Space Control Specification

Classification	Four button key fob with feedback
Compatibility	Operates with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Number of buttons	4
Deactivation of the panic button	Available
Power supply	Battery: CR2032A battery, Power supply voltage: 3 V
	Battery life — up to 3 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 — 868.0—868.6 MHz
	Self-adjusting RF output power — up to 20 mW
	Block encryption based on AES algorithm
	Device polling period — 12-300 s
Operating temp range	From -25° $ m C$ to +50° $ m C$
Permissible humidity	Up to 95%
Dimensions	65x37x10 mm
Weight	13g
Certification	Grade 2, CE
Complete set	SpaceControl keyfob
	CR2032 battery (pre-installed)
	User's guide





Door Protect Specification

Classification	Point magnetic and contact radio channel security detector
	Wireless
Type of detector	
Installation method	
Compatibility	Operates with Hub, Hub Plus, ReX, 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: CR123A battery, Power supply voltage: 3 V
	Battery life — up to 7 years
Jeweller radio technology	Communication range with central unit — up to 1,200 m in an open space
	Two-way communication between devices
	Operating frequencies — 868.0—868.6 MHz
	Self-adjusting RF output power — up to 20 mW
	Block encryption based on AES algorithm
	Device polling period — 12-300 s
Temperature sensor	Available
Operating temp range	From +5°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud
	Jamming detection
	Tamper-resistant
Remote setting and testing	Tamper-resistant +
Remote setting and testing Dimensions	
	+ Diameter: 20 mm
	+
Dimensions	+ Diameter: 20 mm Height: 90 mm 29g
Dimensions Weight	+ Diameter: 20 mm Height: 90 mm
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE DoorProtect opening detector SmartBracket mounting panel
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE DoorProtect opening detector SmartBracket mounting panel Two magnets
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE DoorProtect opening detector SmartBracket mounting panel Two magnets CR123A battery (pre-installed)
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE DoorProtect opening detector SmartBracket mounting panel Two magnets CR123A battery (pre-installed) External contact
Dimensions Weight Certification	+ Diameter: 20 mm Height: 90 mm 29g Grade 2, CE DoorProtect opening detector SmartBracket mounting panel Two magnets CR123A battery (pre-installed)





Street Siren Specification

Classification	Light and sound radio channel security sounder
Type of siren	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 1 m
Alarm length	Adjustable, 3-180 s
Indication of armed/	Yes
disarmed status	
Alarm signal delivery time	0,15 s
Power supply	Battery: Four CR123A batteries
	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 1,500 m in an
	open space
	Two-way communication between devices
	Operating frequencies — 868.0-868.6 MHz
	Self-adjusting RF output power — up to 25 mW
	Block encryption based on AES algorithm
	Device polling period — 12-300 s
Temperature sensor	Available
Operating temp range	From -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	+
Dimensions	200x200x51mm
Weight	528 g
Certification	Grade 2, CE
Complete set	StreetSiren siren
	SmartBracket mounting panel
	4 batteries CR123A (pre-installed)
	Installation set
	User's guide





Home Siren Specification

Classification	Radio channel security sounder
Type of siren	Wireless
Installation method	Indoors
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/	Yes
disarmed status	
Alarm signal delivery time	0,15 s
Power supply	Battery: Two CR2 batteries
	Battery: Two CR123A batteries
	Power supply voltage: 3 V
	Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 2,000 m in an open space
	Two-way communication between devices
	Operating frequencies — 868.0-868.6 MHz
	Self-adjusting RF output power — up to 20 mW
	Block encryption based on AES algorithm
	Device polling period — 12-300 s
Temperature sensor	Available
Operating temp range	From -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	+
Dimensions	75x76x27mm
Weight	97 g
Certification	Grade 2, CE
Complete set	HomeSiren siren
	SmartBracket mounting panel
	Connector for LED indicator
	Two CR123A batteries (pre-installed)
	Installation set
	User's guide



