

# AJAX

## Hub 2 Plus

Security system control panel



**Hub 2 Plus is a central device in the Ajax security system, which controls the operation of all connected devices and interacts with the user and the security company.**

**The hub reports the opening of doors, breaking of windows, threat of fire or flood, and automates routine actions using scenarios. If outsiders enter the secure room, Hub 2 Plus will send photos from MotionCam / MotionCam Outdoor motion detectors and notify a security company patrol.**

Hub 2 Plus is ready to secure even the most complicated properties. The new hub controls up to 200 devices. Its radio signal range can reach up to 2,000 meters while the maximum radio network coverage can reach 35 km<sup>2</sup>. Hub 2 Plus can manage 25 security groups with a total number of 200 users. This allows security personnel to divide large premises into zones and clearly organize staff access.

Hub 2 Plus is ready to work right out of the box. It comes with pre-installed communicators, a power supply unit, and a back-up battery. To begin the system set up, you'll need to plug the device into a power socket, connect it to the Internet, insert SIM cards, and scan the QR-code using the app. Thanks to SmartBracket, you won't even need to disassemble the device to mount it.

- Transmits photos from MotionCam detectors
- Full system control in one app
- Communicates via 4 independent channels
- Works with up to 200 devices simultaneously
- Delivers alarms in 0.15 seconds
- Alerts about threats, channel interference, or malfunctions
- Operates for up to 15 hours during a blackout
- Sends Alarms to Your Smartphone
- Easy & Quick Set Up
- Available in Black & White

## Specification

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
Alarm signals	Delivery time: 0.15 sec Notification types: SMS, call, push-notification
Switching between the SIM-cards	4 minutes
CMS connectivity	Contact ID, SIA
	Photo verification integrated in Manitou, ABsistemDC(NG), WBB, Horus, V1/F1, Kronos, eLipse, Sentinel, MASTerMind, Stages and SBN
Operating system	OS Malevich
Power supply	110–240 V from mains Built-in back-up battery: Li-Ion 3 A h Up to 15 hours of autonomous work when Ethernet or Wi-Fi channels are disabled Energy consumption from mains – 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 – 868.0-868.6 MHz Self-adjusting RF output power – up to 25 mW Block encryption based on AES algorithm Detector polling period – 12–300 s Frequency hopping

## Specification

Wings radio technology	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	+
Dimensions	163 x 163 x 36 mm
Weight	351 g
Certification	DSTU EN 50131
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.
Complete set	Ajax Hub 2 Plus control panel SmartBracket mounting panel Power cable Ethernet cable Installation kit SIM card (depending on region) User's guide