

AJAX-REX-2-INDR-W

Ajax - ReX 2 Jeweller - White Indoor Radio signal Range Extender with photo verification

Product Overview

Ajax - ReX 2 Jeweller - White Indoor Radio signal Range Extender with photo verification, Transmits alarms in 0.3s, Operates up to 38 hours on its backup battery, Suitable for Motion Cams, 1948519-106-WH1



Specifications

Overview:

ReX 2

- Radio signal range extender with photo verification support
- ReX 2 is compatible with Hub 2, Hub 2 Plus and Hub Hybrid control panels

Features:

More applications of a security system

Range extenders expand the boundaries of the protected area and give even more freedom to place security system devices. By connecting all or part of the devices to ReX 2, you will ensure the security and automation of a business centre, big estate, warehouse complex, or a large production facility.

5 range extenders can operate within the Ajax system to expand the radio network coverage up to 35 km . Events and alarms

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are transmitted instantly, and the first photo verification snapshot is delivered to a monitoring station and users in just 10 seconds .

PRO anti-sabotage

- Tampering alarm
- Polling
- Authentication

Verification of alarms with snapshots

ReX 2 works with MotionCam and MotionCam Outdoor motion detectors. When triggered, they take a series of animated pictures, helping to assess the situation at the facility. This reduces unnecessary patrol dispatches and saves the clients' nerves.

Privacy first

The detector activates its camera when the security system is armed and the motion is detected. Shots are encrypted at every stage of transmission. While stored on the Ajax Cloud server, no pictures are processed or analysed. Visual alarm verifications can only be viewed by users with access rights to the events feed with push notifications enabled and by security company employees by users with access rights to the events feed with push notifications enabled and by security company employees.

Guaranteed delivery of alarms and photo verifications

To ensure reliable communications, we have equipped ReX 2 with four antennas and support for two proprietary radio protocols: Jeweller and Wings. Jeweller provides the transmission of commands, events, and alarms, while Wings ensures the transmission of visual data packages. Ajax two-way radio communication uses frames to synchronize device communication sessions, authentication to prevent spoofing, and encryption to protect against data theft.

Radio communication through steel and concrete

With the OS Malevich 2.13 operating system update, the ReX 2 range extender will connect to the hub not only via radio but also via Ethernet using the wire as the only or additional communication channel. A single Ajax system can cover the facility like an office centre with underground parking, or a sectional metal hangar, or a warehouse complex of several large buildings.

Enhanced security system

ReX 2 works as an extra intelligent control panel: it connects devices into an autonomous group and takes over control at the right time. Thanks to automatic adjustment of signal power and frame synchronization, any number of system devices can be connected to ReX 2 - the reliability of communication will not be affected by this. If, for some reason, radio communication with the hub is interrupted, ReX 2 will continue to operate via Ethernet. If a connection via Ethernet is lost, ReX 2 receives an alarm from a detector and activates a siren to draw attention to the incident and deter the burglar.

Ready to resist intruder attacks

ReX 2 is protected from attacks at the software and hardware levels. It runs on the OS Malevich operating system, which is immune to viruses. All data transmitted by the range extender is encrypted. Thanks to the built-in backup battery, a sudden blackout at a facility will not be a problem.

- Up to 38 hours of backup battery life
- Informing about interferences and jamming
- Detecting attempts to dismantle and open the enclosure
- Immunity against viruses

OS Malevich Evolving, not outdated

ReX 2 runs on OS Malevich, a real-time operating system developed by Ajax Systems. The OS Malevich modular architecture allows its regular updates. The operating system updates over the air. The process does not need the installer or user involvement and takes minutes when the security system is disarmed.

Hassle-free installation

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ReX 2 connection and configuration process greatly saves the installer time. To add a range extender to a system, simply scan a QR code with the Ajax app and assign it a name and a room. The device is also configured in real time in the app. If necessary, ReX 2 can be disabled or reconfigured without site visits.

Specifications:

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Specifications

Product Code	AJAX-REX-2-INDR-W
Installation method	Indoors
Compatibility with Ajax control panels	Hub 2 (2G)
	Hub 2 (4G)
	Hub 2 Plus
	Hub Hybrid (2G)
	Hub Hybrid (4G)
Compatibility with Ajax range extenders	ReX 2 does not connect to another range extenders
Compatibility with Ajax detectors and devices	The list of compatible devices
Maximum connected devices (in a system with one range extender)	Hub 2 (2G)
	up to 99
	Hub 2 (4G)
	up to 99
	Hub 2 Plus
	up to 199
	Hub Hybrid (2G)
	up to 99
	Hub Hybrid (4G)
	up to 99
Number of range extenders connected to the compatible hub	5
Operating system	OS Malevich
	Firmware update details
Main power supply	110-240 V, 50/60 Hz
	12Vdc with 12V PSU
	for Hub 2/ReX 2
	6Vdc with 6V PSU
	for Hub 2/Hub 2 Plus/ReX 2

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Backup power supply	Li-Ion 2 A h
	built-in backup battery
	Up to 38 hours of backup battery life
	when Ethernet is disabled
	Up to 12 hours of backup battery life
	when Ethernet is connected
Jeweller and Wings radio protocols	Communication range in an open space
	between ReX 2 and a hub
	up to 1,700 m
	between ReX 2 and connected devices
	up to 1,700 m
	depends on device model
	Two-way communication
	Jeweller
	Wings
	Radio frequency bands:
	866.0 - 866.5 MHz
	868.0 - 868.6 MHz
	868.7 - 869.2 MHz
	905.0 - 926.5 MHz
	915.85 - 926.5 MHz
	921.0 - 922.0 MHz
	(depends on the sales region)
	Maximum effective radiated power (ERP)
	up to 20 mW
	Polling interval
	from 12 to 300 s
	Adjusted by PRO or user with admin rights in the Ajax app.
	Encrypted communication
	Block cipher encryption based on the AES algorithm
	Frequency hopping
Connection via Ethernet	8P8C connector
	Up to 100 Mbps speed
	Available with OS Malevich 2.13
Alarm signal delivery time	0.3 s
Operating temperature range	From -10 degreesC to +40 degreesC
Operating humidity	Up to 75%

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Anti-sabotage	Protection against spoofing
	Jamming notification
	Tampering alarm
Dimensions	163 x 163 x 36 mm
Weight	330 g
Complete set	ReX 2
	SmartBracket mounting panel
	Power supply cable
	Screw terminal block Adapter (only for INCERT compliance)
	Ethernet cable
	Installation kit
	Quick start guide

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/AJAX-REX-2-INDR-W-Ajax-ReX-2-Jeweller-White-Indoor-Buy-p-284769.php>

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