

Ajax Superior ReX G3 Jeweller

Wireless radio signal range extender with support for photo verification and Ethernet connection

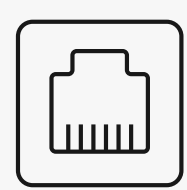


This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.

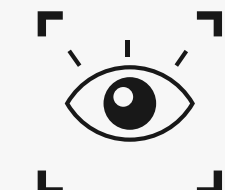


More flexibility for wireless Grade 3 installations

Ajax Superior ReX G3 Jeweller extends the wireless network, ensuring stable communication between Ajax devices across large facilities. The range extender connects to the hub via radio protocols or Ethernet. A single system can include up to 5 range extenders, each supporting any device combination. Superior Jeweller and TurboWings deliver up to 3,500 m (11,450 ft) of radio network coverage in open space. Hot-swappable batteries, available in two versions, provide up to 16 or 60 hours of backup power.



Connection to the hub via radio protocols and Ethernet



Support of visual verification

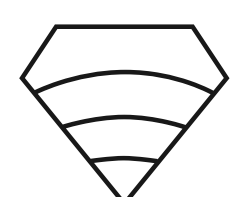


Configuration via an Ajax app within two minutes



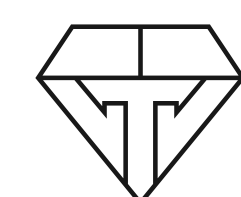
Grade 3 certified performance verified by independent laboratories

Guaranteed alarm delivery



Superior Jeweller radio protocol

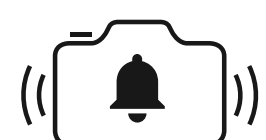
Transmits real-time device states, alarms, events, and all measured readings to Ajax apps.



TurboWings radio protocol

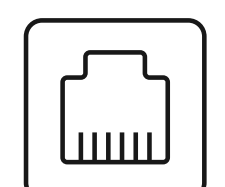
Transmits large data packets, such as photos from MotionCam detectors and firmware updates.

Support for Ajax ExternalAntenna connection to enhance radio communication (sold separately)



Alarm visual verification

The range extender works with MotionCam detectors, which take a series of photos when triggered. By default, the first photo is delivered to an Ajax app within just XX seconds. This helps users quickly assess the situation at the facility and respond appropriately to the threat.



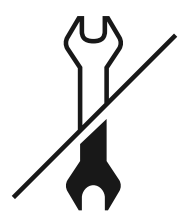
Communication via Ethernet

In a challenging radio signal environment, the range extender connects to the hub via Ethernet, using it as the only or prioritized communication channel. Thus, a single Ajax system can cover an office center with underground parking, a metal hangar, or a multi-building warehouse.



Grade 3 sabotage protection

- Tamper alarm on dismantling or detachment
- Detection¹ of connection loss with the hub and connected devices within 36 s
- Regular device polling²
- Device authentication to prevent spoofing
- Enhanced data encryption
- Communication channel loss detection
- Frequency hopping against radio interference and jamming



Hassle-free installation and maintenance

- Installation without enclosure disassembly
- Built-in PSU and all communicators
- Adding to the system via QR code
- Setup in minutes in an Ajax app — no programming required
- Configuration and testing via Ajax apps
- Hot-swappable backup battery
- Instant maintenance notifications

Compliance with standards EN 50131 (Grade 3) PD 6662:2017	Communication with a hub and devices Superior Jeweller communication technology TurboWings communication technology Wireless communication range up to 3,500 m up to 11,450 ft In open space	Data transmission Alarm delivery speed 0.3 s Photo delivery speed via TurboWings from XX s to XX s Depends on the system settings Photo delivery speed via Ethernet from XX to XX s Depends on the system settings	Installation Operating temperature –10 °C to +40 °C 14 °F to 104 °F Operating humidity up to 75% Non-condensing
Compatibility with hubs For detailed information, scan the QR code or follow the link:  ajax.systems/tools/devices-compatibility/?models=RX.G3.J	Frequency bands 865.0–868.0 MHz 868.0–868.6 MHz 868.7–869.2 MHz 869.4–869.65 MHz The device supports all listed bands Polling interval 12–300 s Adjusted by a PRO or user with admin rights in an Ajax app Ethernet 8P8C socket Up to 100 Mbps External antenna connectors Superior Jeweller TurboWings	Power supply Main power supply 110–240 V, 50/60 Hz Backup power supply 7.4 V== Li-ion battery with 2.6 or 10.4 Ah capacity Provided by Ajax Superior Internal Battery (16h) or Ajax Superior Internal Battery (60h) Autonomous operation from 16 to 60 h Depends on the internal battery model Ajax Superior Internal Battery devices are sold separately	Enclosure Color black, white Dimensions 216 × 216 × 45 mm 8.5" × 8.5" × 1.77" Weight 1,200 g 2.65 lb Protection class IP20 Complete set Ajax Superior ReX G3 Jeweller SmartBracket mounting panel Power cable Ethernet cable Installation kit Quick start guide

¹ If the polling interval is set so that the device sends three data packets as often as every 12 seconds.
² Polling interval is configured in an Ajax app. The minimum interval is 12 seconds.



For detailed information, scan the QR code or follow the link:
ajax.systems/support/devices/superior-rex-g3-jeweller



support@ajax.systems



@AjaxSystemsSupport_Bot



ajax.systems