

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 delivered¹ to an Ajax app within just 13 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
- Detection² of connection loss with the hub and connected devices within 36 s
- Regular device polling³

- 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

<p>Compliance with standards</p> <p>EN 50131 (Grade 3) PD 6662:2017</p>	<p>Communication with a hub and devices</p> <p>Superior Jeweller communication technology</p> <p>TurboWings communication technology</p> <p>Wireless communication range up to 3,500 m up to 11,450 ft In open space</p>	<p>Data transmission</p> <p>Alarm delivery speed 0.3 s</p> <p>Photo delivery speed via TurboWings⁴ up to 39 s With default settings</p> <p>Photo delivery speed via Ethernet¹ up to 13 s With default settings</p>	<p>Installation</p> <p>Operating temperature –10 °C to +40 °C 14 °F to 104 °F</p> <p>Operating humidity up to 75% Non-condensing</p>
<p>Compatibility with hubs</p> <p>For detailed information, scan the QR code or follow the link:</p>  <p>ajax.systems/tools/devices-compatibility/?models=RX.G3.J</p>	<p>Frequency bands 865.0–868.0 MHz 868.0–868.6 MHz 868.7–869.2 MHz 869.4–869.65 MHz</p> <p>The device supports all listed bands</p> <p>Polling interval 12–300 s Adjusted by a PRO or user with admin rights in an Ajax app</p> <p>Ethernet 8P8C socket Up to 100 Mbps</p> <p>External antenna connectors Superior Jeweller TurboWings</p>	<p>Power supply</p> <p>Main power supply 110–240 V, 50/60 Hz</p> <p>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)</p> <p>Autonomous operation from 16 to 60 h Depends on the internal battery model</p> <p>Ajax Superior Internal Battery devices are sold separately</p>	<p>Enclosure</p> <p>Color black, white</p> <p>Dimensions 216 × 216 × 45 mm 8.5" × 8.5" × 1.77"</p> <p>Weight 1,200 g 2.65 lb</p> <p>Protection class IP20</p> <hr/> <p>Complete set</p> <p>Ajax Superior ReX G3 Jeweller SmartBracket mounting panel Power cable Ethernet cable Installation kit Quick start guide</p>

¹ Measured with Superior MotionCam G3 (PhOD) Jeweller and a range extender connected via Ethernet, using the default photo resolution (640 × 480 px). Delivery time depends on the communication channel and photo resolution settings. For details, please refer to the user manual.

² If the system is set to operate at a 12-second polling interval and report a connection loss after three undelivered data packets.

³ Polling interval is configured in an Ajax app. The minimum interval is 12 seconds.

⁴ Delivery time depends on the settings. For details, please refer to the user manual.



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

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- 📍 @AjaxSystemsSupport_Bot
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