

DoorBell

Video doorbell with built-in AI, PIR sensor, and control via apps



Professional security at the front door

DoorBell is an outdoor device that combines the convenience of a smart doorbell with high-end security and video surveillance capabilities. When the doorbell's button is pressed, the user receives a notification, can view live video, and start a real-time conversation. Equipped with a PIR sensor and a wide-angle HDR camera powered by AI, the device detects people, animals, and vehicles and delivers excellent image quality. DoorBell also upholds Ajax's signature privacy features, seamless integration, and reliable backup options.



HDR technology



Two-way audio communication



AI-powered object recognition



Backup battery



Tamper



PIR sensor for motion detection

Three operation options



Basic doorbell with fast and real-time video streaming



Video streaming with a secure private archive

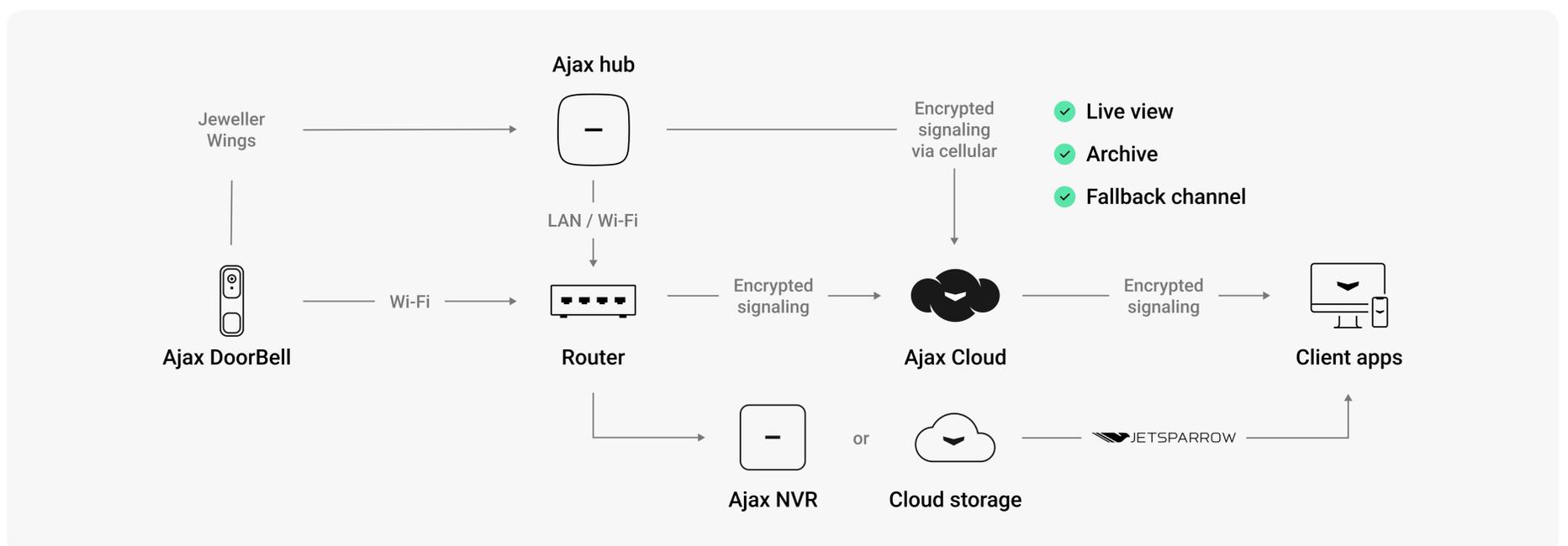


AI-powered object recognition and smart video recording with short clips stored in the cloud archive¹

Reliable connection at all times

DoorBell uses Wi-Fi as its **primary communication channel**. The device is designed to amplify the signal and reduce radio interference, which ensures a more stable connection over greater distances.

Connecting DoorBell to an Ajax hub enables a **fallback communication channel**. This feature allows the device to continue transmitting events, alarms, and photos through the secure proprietary Jeweller and Wings radio protocols, even if the Wi-Fi connection is lost.





Advanced video experience

- AI-powered recognition of people, animals, and vehicles
- Smooth streaming and archive navigation thanks to the JetSparrow technology
- Wide-angle HDR camera for high-quality images
- IR illumination of up to 6 m (20 ft) for enhanced visibility in the dark



Quality two-way audio communication

- Clear voice transmission with noise suppression
- Echo cancellation for better audibility
- Top-notch audio quality thanks to the G.722 codec



Uncompromised security

- Fallback wireless communication with a hub at a distance² of up to 1,700 m (5,550 ft)
- Built-in backup battery
- Tamper alarm to notify of device dismantling
- Secure passwordless authentication



Easy installation and setup

- Pairing with a hub by scanning the QR code
- Remote control and configuration via Ajax apps
- SmartBracket mounting panel for installation without disassembling the device enclosure
- BellKit bypass to connect DoorBell to a wired chime

<p>Compatibility</p> <p>Hubs Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G) Hub BP Jeweller</p> <p>Range extenders ReX 2</p> <p>Video recorders NVR (8-ch) NVR (16-ch)</p> <p>Video recording</p> <p>Camera 4 MP CMOS sensor</p> <p>Resolution up to 2688 × 1520 px</p> <p>Camera viewing angles horizontal: 155° vertical: 90°</p> <p>Video protocol JetSparrow</p> <p>Video codec H.264</p> <p>Dynamic range HDR</p>	<p>Communication</p> <p>Jeweller and Wings radio communication technologies</p> <p>Communication range up to 1,700 m up to 5,550 ft In an open space</p> <p>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</p> <p>Wi-Fi 2.4GHz, up to 2 Mbit/s</p>	<p>Sound</p> <p>Output speaker power 1.5 W</p> <p>Speaker volume 85 dB</p> <p>Features</p> <p>Two-way communication</p> <p>Motion detection up to 4 m up to 13 ft Using a PIR sensor</p> <p>Audio processing Always active noise suppression and echo cancellation</p>	<p>Power supply</p> <p>Main DC voltage range 12–24 V⁼⁼</p> <p>Main AC voltage range 16–24 V[~], 50/60 Hz</p> <p>Battery built-in rechargeable battery: Li-ion 600 mAh</p> <p>Minimum current wired chime is not connected:</p> <ul style="list-style-type: none"> • 1 A for 12 V⁼⁼ • 0.5 A for 24 V⁼⁼ • 0.6 A for 16 V[~] • 0.4 A for 24 V[~] <p>wired chime is connected:</p> <ul style="list-style-type: none"> • 3 A for 12 V⁼⁼ • 3 A for 24 V⁼⁼ • 0.6 A for 16 V[~] • 0.4 A for 24 V[~]
	<p>Enclosure</p> <p>Color black, white, grey, graphite</p> <p>Dimensions 145 × 47 × 34 mm 5.71" × 1.85" × 1.34"</p> <p>Weight 163 g 5.75 oz</p>	<p>Installation</p> <p>Operating temperature range from -25 °C to +60 °C from -13 °F to 140 °F</p> <p>Operating humidity up to 90%</p> <p>Protection class IP54</p> <p>Installation height 1.2–1.5 m 4–5 ft</p>	<p>Complete set</p> <p>DoorBell SmartBracket mounting panel Wedge bracket (2 pcs) BellKit Installation kit Quick start guide</p>

¹ This feature will be available in upcoming updates.

² In an open space.



For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/doorbell



support@ajax.systems



@AjaxSystemsSupport_Bot



ajax.systems