

# DoorBell

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

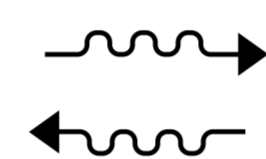


## Professional security at the front door

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.



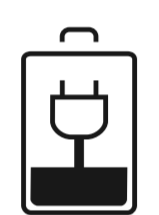
HDR technology



Two-way audio communication



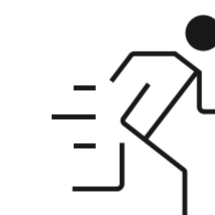
AI-powered object recognition



Backup battery

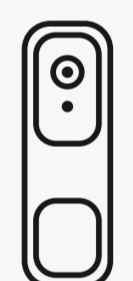


Tamper

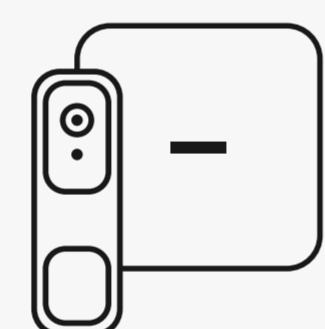


PIR sensor for motion detection

## Three operation options



Basic doorbell with fast and real-time video streaming



Video streaming with a secure private archive

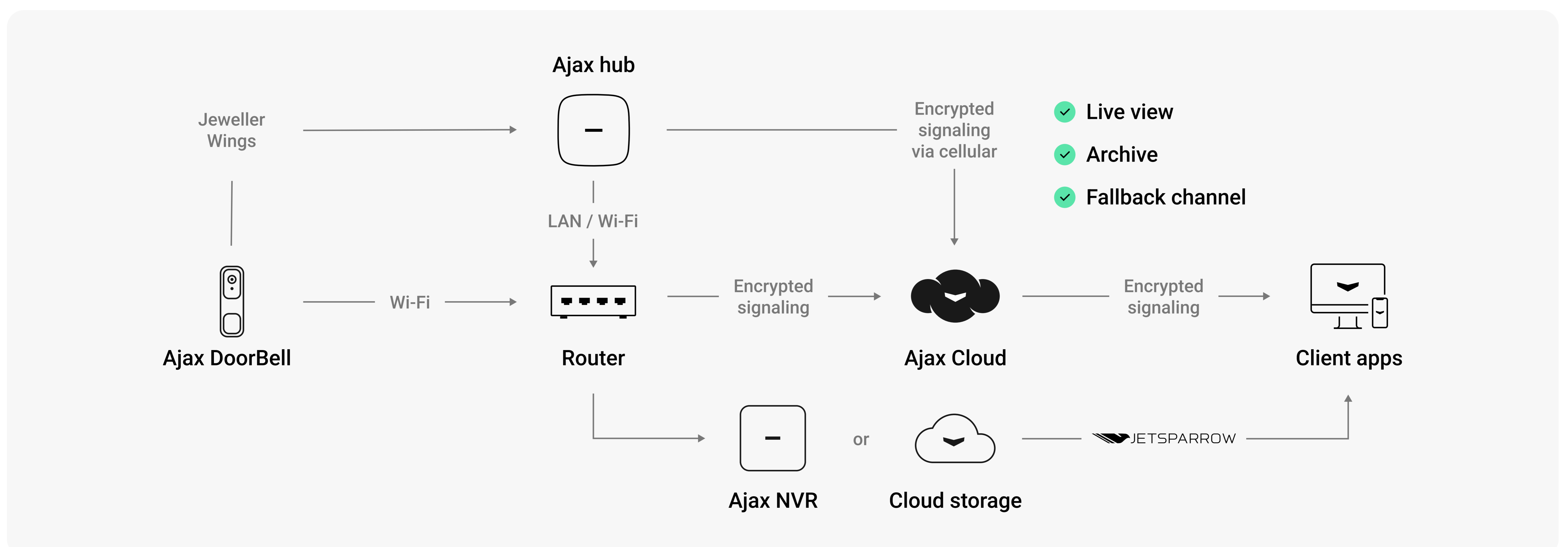


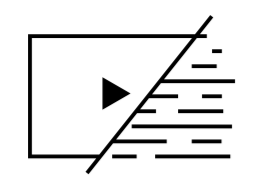
AI-powered object recognition and smart video recording with short clips stored in the cloud archive<sup>1</sup>

## 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.

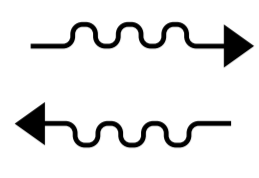
Connecting DoorBell to an Ajax hub enables a **fallback communication channel**. This feature allows the device to continue transmitting events, alarms, and photos through the secure proprietary Jeweller and Wings radio protocols, even if the Wi-Fi connection is lost.





## 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



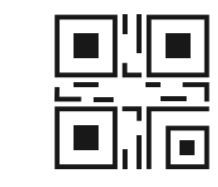
## Quality two-way audio communication

- 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 distance<sup>2</sup> of up to 1,700 m (5,550 ft)
- Built-in backup battery
- Tamper alarm to notify of device dismantling
- Secure passwordless authentication



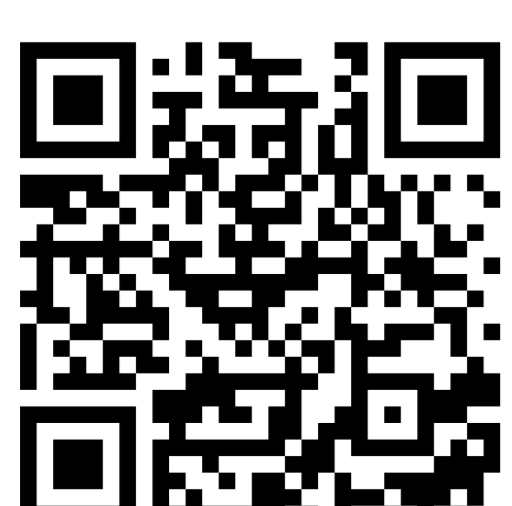
## Easy installation and setup

- 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><b>Compatibility</b></p> <p><b>Hubs</b> Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G) Hub BP Jeweller</p> <p><b>Range extenders</b> ReX 2</p> <p><b>Video recorders</b> NVR (8-ch) NVR (16-ch)</p> <p><b>Video recording</b></p> <p><b>Camera</b> 4 MP CMOS sensor</p> <p><b>Resolution</b> up to 2688 × 1520 px</p> <p><b>Camera viewing angles</b> horizontal: 155° vertical: 90°</p> <p><b>Video protocol</b> JetSparrow</p> <p><b>Video codec</b> H.264</p> <p><b>Dynamic range</b> HDR</p>	<p><b>Communication</b></p> <p><b>Jeweller and Wings radio communication technologies</b></p> <p><b>Communication range</b> up to 1,700 m up to 5,550 ft In an open space</p> <p><b>Frequency bands</b> 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><b>Wi-Fi</b> 2.4GHz, up to 2 Mbit/s</p>	<p><b>Sound</b></p> <p><b>Output speaker power</b> 1.5 W</p> <p><b>Speaker volume</b> 85 dB</p> <p><b>Features</b></p> <p><b>Two-way communication</b></p> <p><b>Motion detection</b> up to 4 m up to 13 ft Using a PIR sensor</p> <p><b>Audio processing</b> Always active noise suppression and echo cancellation</p>	<p><b>Power supply</b></p> <p><b>Main DC voltage range</b> 12–24 V<sup>==</sup></p> <p><b>Main AC voltage range</b> 16–24 V~, 50/60 Hz</p> <p><b>Battery</b> built-in rechargeable battery: Li-ion 600 mAh</p>
<p><b>Resolution</b> up to 2688 × 1520 px</p> <p><b>Camera viewing angles</b> horizontal: 155° vertical: 90°</p> <p><b>Video protocol</b> JetSparrow</p> <p><b>Video codec</b> H.264</p> <p><b>Dynamic range</b> HDR</p>	<p><b>Enclosure</b></p> <p><b>Color</b> black, white, grey, graphite</p> <p><b>Dimensions</b> 145 × 47 × 34 mm 5.71" × 1.85" × 1.34"</p> <p><b>Weight</b> 163 g 5.75 oz</p>	<p><b>Installation</b></p> <p><b>Operating temperature range</b> from –25 °C to +60 °C from –13 °F to 140 °F</p> <p><b>Operating humidity</b> up to 90%</p> <p><b>Protection class</b> IP54</p> <p><b>Installation height</b> 1.2–1.5 m 4–5 ft</p>	<p><b>Complete set</b></p> <p>DoorBell SmartBracket mounting panel Wedge bracket (2 pcs) BellKit Installation kit Quick start guide</p>

<sup>1</sup> This feature will be available in upcoming updates.

<sup>2</sup> In an open space.



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

[ajax.systems/support/devices/doorbell](https://ajax.systems/support/devices/doorbell)



support@ajax.systems



@AjaxSystemsSupport\_Bot



ajax.systems