



SpeakerPhone Jeweller


Wireless voice module for alarm verification

Real-time voice communication for enhanced security

SpeakerPhone Jeweller is a wireless voice module for clear and secure two-way voice communication between users and a security company. The device lets the central monitoring station (CMS) contact the site immediately after an alarm to analyze the situation and rapidly respond to an emergency. The easy-to-install solution is a perfect choice for both residential and commercial settings.



 Alarm verification

 Help request

 Deterring intruders

Rapid response to a verified alarm

Situation

The Ajax system detects a threat (e.g., motion detection, smoke, or panic button alarm).

Verification

The Ajax hub immediately triggers SpeakerPhone Jeweller to establish direct voice contact with the security company's CMS.

Action

Knowing the kind of threat, the security company can respond accordingly (e.g., dispatch security patrol or contact emergency services).

AI-powered voice optimization

- Clear voice transmission
- Suppression of extraneous noise
- Improved audibility even at long distances
- Option to set up the AI feature in an Ajax app

VoRF communication protocol

- Ajax proprietary audio streaming protocol using time division duplex
- Full duplex audio communication
- More than 30 minutes of maximum talk time
- Up to 1,700 m of wireless communication range with a hub

Sabotage protection

- Tamper alarm and a built-in accelerometer to notify of device dismantling
- Device authentication to prevent spoofing
- Communication loss detection
- Data encryption

Hassle-free installation

- Pairing with the hub by scanning the QR code
- Remote control and configuration via Ajax apps
- Up to 4 years of battery lifespan
- SmartBracket mounting panel for easy installation without the need to disassemble the device enclosure

Superior, Fibra, and Baseline product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

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| <p>Compatibility</p> <p>Hubs Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (4G)</p> | <p>Communication with a hub</p> <p>Jeweller and Wings radio communication technologies</p> <p>VoRF proprietary audio streaming protocol</p> <p>Communication range up to 1,700 m 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>Sound</p> <p>AI voice optimization</p> <p>Voice intelligibility up to 10 m Auto adjustment of the microphone sensitivity</p> <p>Output speaker power 3 W</p> <p>Speaker volume up to 103 dB¹</p> <p>Frequency range From 200 Hz to 16 kHz</p> | <p>Features</p> <p>Over-the-air firmware updates support</p> |
| <p>Power supply</p> <p>Battery 4 × CR123 (pre-installed)</p> <p>Battery life up to 4 years in a standby mode up to 12 hours in a conversation mode</p> <p>Optional external power supply 12 V⁼⁼, up to 1 A When the external power supply is connected, the batteries operate as a backup power source</p> | <p>Enclosure</p> <p>Color black, white</p> <p>Dimensions 112 × 112 × 41.5 mm</p> <p>Weight 270 g</p> | <p>Installation</p> <p>Operating temperature range from 0 °C to +40 °C</p> <p>Operating humidity up to 75%</p> <p>Protection class IP50</p> <p>Installation height 1.6 m</p> | <p>Complete set</p> <p>SpeakerPhone Jeweller SmartBracket Four CR123 batteries (pre-installed) Installation kit Quick start guide</p> |

¹ 83 dB at a distance of 1 m.