SpeakerPhone Jeweller

Wireless voice module for alarm verification

Devices compatibility	**Hub 2 (4G) Jeweller** With firmware version OS Malevich 2.24 or later. **Hub Hybrid (4G)** With firmware version OS Malevich 2.25 or later.
Communication	**VoRF communication technology** Proprietary wireless audio streaming protocol using time division duplex. Key features: ● Two-way communication. ● Advanced sabotage protection. ● Full duplex audio communication. **Radio communication range** up to 1,700 m up to 5,550 ft Between the device and a hub in an open space. **Frequency band** 863.0–865.0 MHz **Jeweller communication technology** Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: ● Two-way communication. ● Advanced sabotage protection. ● Block encryption featuring a dynamic key. ● Instant notifications. ● Remote control and configuration in Ajax apps. **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. **Maximum effective radiated power (ERP)** up to 25 mW Automatic power control to reduce power consumption and radio interference. **Radio signal modulation** GFSK **Radio communication range** up to 1,700 m

		up to 5,550 ft Between the device and a hub in an open space. **Encrypted communication** All stored and transmitted data are protected by block encryption featuring a dynamic key. **Frequency hopping** To prevent radio interference and jamming. **Wings communication technology** Proprietary wireless communication technology to update firmware. Key features: • Two-way communication. • Advanced sabotage protection. • Block encryption featuring a dynamic key. • Reloading the data packages in case of transmission errors. **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. **Radio signal range** up to 1,700 m up to 5,550 ft Between the device and a hub in an open space. **Encrypted communication** All stored and transmitted data are protected by block encryption featuring a dynamic key. **Frequency hopping** To prevent radio interference and jamming. **VoRF communication technology** Proprietary wireless audio streaming protocol using time division duplex. Key features: • Two-way communication. • Advanced sabotage protection. • Full duplex audio communication. **Radio communication range** up to 1,700 m up to 5,550 ft Between the device and a hub in an open space. **Frequency band** 863.0–865.0 MHz
Key features		**AI-powered sound optimization** It provides: • Clear voice transmission.

	- Suppression of extraneous noise. - Improved audibility even at long distances. - Option to set up the AI feature in Ajax apps. **Voice audibility** up to 10 m Auto adjustment of the microphone sensitivity. **Output speaker power** 3 W **Speaker volume** up to 103 dB 83 dB at a distance of 1 m. **Frequency range** from 200 Hz to 16 kHz **Audio codec** Opus **Remote firmware update** When a new firmware is available, an admin or PRO with the rights to configure the system can run the update in Ajax apps. **The hub must be connected to Ajax Cloud via Ethernet.**
Recommendations	It is recommended to install the device at a height of 1.6 m. It is recommended to install the device at a height of 5.2 ft. The device is designed for indoor use only.
Sabotage protection	**Tamper alarm** Notifications on attempts to detach the device from the surface. **Microphone cut-off detection** Notifications of attempts to damage an in-built microphone. **Holding screw** To secure the device on SmartBracket. **Protection against spoofing** device authentication **Communication loss detection** after 36 s Detection time depends on the Jeweller settings.
Power supply	**Battery** 4 × CR123 Pre-installed. **Calculated battery life** up to 3 years In a standby mode. up to 12 hours In a conversation mode.

	Optional external power supply 12 V⎓, 1 A The power supply cable length should not exceed 10 m when using the 2 × 0.35 copper-conductor cable. When the external power supply is connected, the batteries operate as a backup power source. The power supply cable length should not exceed 32 ft when using the 2 × 0.35 copper-conductor cable.
Enclosure	**Dimensions** 112 × 112 × 42 mm 4.41" × 4.41" × 1.65" **Weight** 270 g 9.52 oz **Operating temperature range** from 0 °C to +40 °C from 32 °F to 104 °F **Operating humidity** up to 75% **Protection class** IP50
Colors	Black White
Complete set	SpeakerPhone Jeweller SmartBracket mounting panel Installation kit Quick start guide
Warranty	24 months