AJAX Wireless Voice Module For Alarm Verification Speaker Phone User Guide

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Real-time voice communication

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.

[icon] Alarm verification	**[icon]** Help request	**[icon]** Deterring intruders

Rapid response to a verified alarm

Situation	**Verification**	**Action**
The Ajax system detects a threat (e.g., motion detection, smoke, or panic button alarm).	The Ajax hub immediately triggers SpeakerPhone Jeweller to establish direct voice contact with the security company’s CMS.	Knowing the kind of threat, the security company can respond accordingly (e.g., dispatch security patrol or contact emergency services).

[icon] 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	**[icon]** VoRF communication protocol ● Ajax proprietary audio streaming protocol using ti me division duplex ● Full duplex audio communication ● More than 30 minutes of maximum talk time ● Up to 1,700 m of wireless communication range w ith a hub
[icon] Sabotage protection ● Tamper alarm and a built-in accelerometer to notif y of device dismantling ● Device authentication to prevent spoofing ● Communication loss detection ● Data encryption	**[icon]** 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.

Specification

Compatibility	Communication with a hub	Sound	Power supply
Hubs Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (4G)	**Jeweller communication technology** **Wings communication technology** **VoRF proprietary audio streaming protocol** **Communication range** up to 1,700 m	**AI voice optimization** **Voice intelligibility** up to 10 m *Auto adjustment of the microphone sensitivity* **Output speaker power** 3 W **Speaker volume** up to 103 dB[1] **Frequency range** From 200 Hz to 16 kHz	**Battery** 4 × CR123 *(pre-installed)* **Battery life** up to 4 years in a standby mode up to 12 hours in a conversation mode **Optional external power supply** 12 V⎓, up to 1 A

	In an open space **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*	## Features Over-the-air firmware updates support	*When the external power supply is connected, the batteries operate as a backup power source*
	## Enclosure **Color** black, white **Dimensions** 112 × 112 × 41.5 mm **Weight** 270 g	## Installation **Operating temperature range** from 0 °C to +40 °C **Operating humidity** up to 75% **Protection class** IP50 **Installation height** 1.6 m	## Complete set SpeakerPhone Jeweller SmartBracket Four CR123 batteries *(pre-installed)* Installation kit Quick start guide

- **183 dB at a distance of 1 m.**
- **For detailed information, scan the QR code or follow the link:** ajax.systems/support/devices/speakerphone-jeweller
- **[icon]** support@ajax.systems
- **[icon] @AjaxSystemsSupport.Bot**
- **[icon]** ajax.systems**.**

Documents / Resources

	AJAX Wireless Voice Module For Alarm Verification Speaker Phone [pdf] User Guide Wireless Voice Module For Alarm Verification Speaker Phone, Wireless, Voice Module For Alarm Verification Speaker Phone, For Alarm Verification Speaker Phone, Verification Speaker Phone, Speaker Phone, Phone

References

- User Manual

Manuals+, **Privacy Policy**

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