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 SpeakerPhone Jeweller

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SpeakerPhone Jeweller

Wireless voice module for alarm verification



Device compatibility

Check

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

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.

Learn more ➤

Frequency bands

866.0–866.5 MHz

868.0–868.6 MHz

868.7–869.2 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

Between the device and a hub in an open space.

Calculate radio communication range at the facility ➤

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more ➤

💎 **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

Depends on the sales region.

Radio signal range

up to 1,700 m

Between the device and a hub in an open space.

Calculate the radio signal range at the facility ➤

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more 

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 or Wi-Fi.

Recommendations

It is recommended to install the device at a height of 1.6 m.

The device is designed for indoor use only.

Sabotage protection

Tamper alarm

Notifications on attempts to detach the device from the surface.

Learn more 



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 $\overline{=}$, 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.

Enclosure

Dimensions

112 × 112 × 42 mm

Weight

270 g



Operating temperature range

from 0 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP50



42 mm

Colors

Black



White



Complete set

SpeakerPhone Jeweller

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards



SpeakerPhone Jeweller



Additional information

Compliance with standards

Learn more 

User manual

Learn more 

Warranty

24 months

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💬 Send a request



Rating 4.7

4,000,000

people worldwide under Ajax protection

💡 Suggest a feature



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