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EN54

EN54 FireProtect Jeweller sounders and VADs

Tech specs 

Where to buy

Tech specs

EN54 LINE

# EN54 FireProtect (Sounder) Jeweller

Wireless addressable fire alarm sounder



- Device compatibility

Check

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

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 20 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 control and indicating equipment (CIE) or a range extender in an open space.

**Calculate radio communication range at the facility** >

## Encrypted communication

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

## Frequency hopping

To prevent radio interference and jamming.

**Learn more** >

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## **Alarm annunciation**

### **Alarm type**

acoustic

### **Sound volume**

up to 100 dB at a distance of 1 m

Adjusted by a PRO or user with admin rights in an Ajax app.

### **Sound pattern**

32 tones

### **Sound synchronization**

An audible alarm is automatically synchronized on all devices with a sounder connected to the same CIE.

### **Alarm annunciation test**

An audible alarm check to ensure the fire alarm is clearly audible on the premises.

## Installation recommendations

Follow your local fire safety regulations when selecting the device's installation site.

The device is designed for outdoor and indoor use.

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## Sabotage protection

### Tamper button

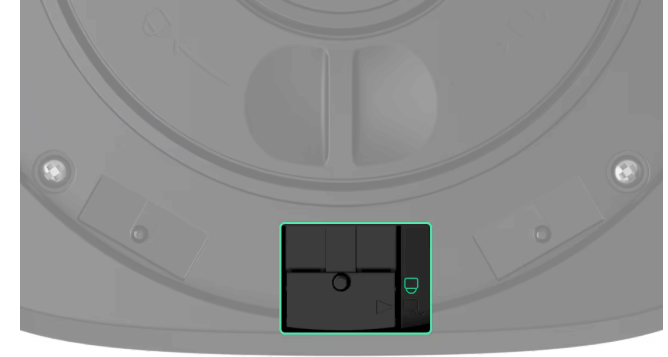
Fault notification when an attempt is made to remove the device from the mounting panel.

[Learn more](#) >

## Lock for SmartBracket

to secure the device on the  
SmartBracket mounting panel

When locked, the lock secures the  
device and prevents it from being  
removed without a special tool.



## Protection against spoofing

device authentication

## Connection loss detection

after 36 s

Detection time depends on **Jeweller**  
settings.

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## Power supply

### Battery

4 × CR123A

Pre-installed.

## Tool-free battery replacement

To replace the batteries, turn the battery compartment cover counterclockwise.



## Reverse polarity protection

Prevents device damage if the batteries are put in incorrectly.

## Recommended battery type

Huiderui CR123A; 3 V; 1,600 mAh,  
LiMnO<sub>2</sub>

## Calculated battery life

up to 5 years

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# Enclosure

## Dimensions

145 × 145 × 51 mm

## Weight

527 g

## Operating temperature range

from −10 °C to +60 °C

## Operating humidity

up to 80%

## Protection class

IP54

## Flammability rating

UL 94 V-0



## Color

Black



White



Red



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## Complete set

EN54 FireProtect (Sounder) Jeweller

4 × CR123A battery (pre-installed)

SmartBracket mounting panel

Installation kit

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## Revision

1

## Certification and compliance with standards



EN54 FireProtect (Sounder) Jeweller



### Additional information

### Compliance with standards

### User manual

Learn more >

Learn more >

### Warranty

24 months

Learn more >

## Products

Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

## Software

For users

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Translator PRO

Ajax Cloud Signaling

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Upgrades and retrofits

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Video storage calculator

Video device calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

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Ajax Next

Students at CES 2026

Reviews and feedback

## For partners

For partners

Ajax Academy

Partner Portal

## Subscribe

Subscribe to our emails about secure life. No spam.

Subscribe

## Request extra help

✉ support@ajax.systems

✉ @AjaxSystemsSupport\_Bot

💬 Send a request



Rating 4.7

4,000,000

people worldwide under Ajax protection

📄 Report mistake

💡 Suggest a feature





Available on  
**App Store**



Available on  
**Google Play**

Fibra power supply calculator

All web tools

## Connecting to CMS

Intrusion alarm monitoring

Video monitoring and visual alarm  
verification

Audio alarm verification



Hrvatska

Privacy policy

Report a vulnerability

GDPR White Paper

NDAA Statement

Cookie policy

Anti-Spam Policy

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End user agreement

Warranty