

# EN54 Line

Wireless commercial fire detection and alarm system





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Academy

# Raising the bar beyond compliance

## Compliance



**EN 54**  
fire detection  
and alarm system



**EN 50131 (Grade 2)**  
intrusion protection  
system



## 5-year battery lifespan

pre-installed batteries provide long-term autonomy for detectors, sounders, and VADs



## Advanced connectivity with built-in communicators

CIE always stays online via Ethernet, Wi-Fi, and two SIM cards (2G, 3G, or LTE)

All system devices seamlessly transmit data via a proprietary radio protocol



## Automatic system health check

the system continuously supervises each device and instantly sends a maintenance notification if any issues arise



## Quick and tool-free battery swap

no need to fully disassemble the enclosure or unpair the device for battery change



## Tamper alarm

to alert when the device is detached or its enclosure is damaged



## Wireless range of up to 2,000 m

reliable two-way communication via the Jeweller proprietary protocol



## Touchscreen CIE

large display featuring an intuitive interface for fire alarm and event management



## Over-the-air software updates

the system updates automatically to ensure peak performance and instant access to new features



## Fast installation

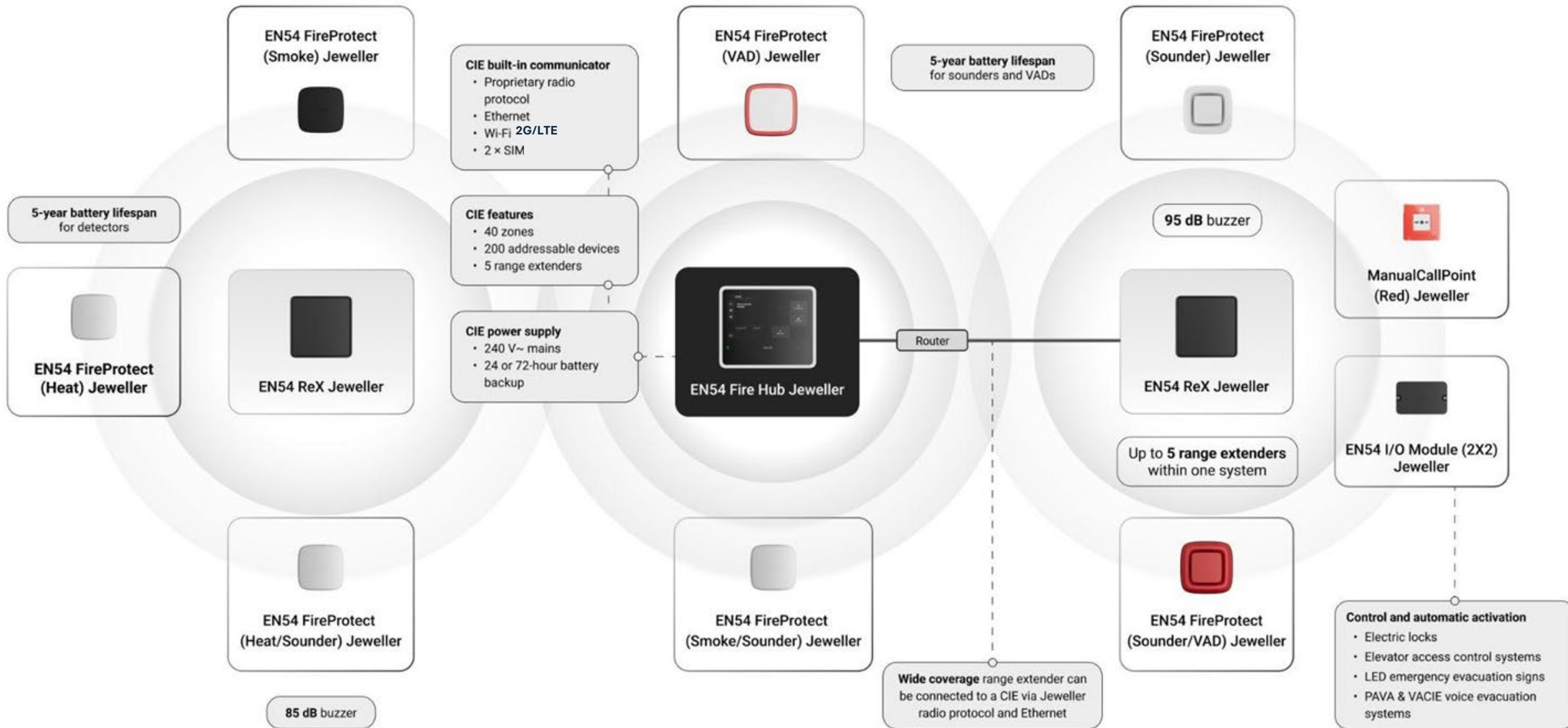
just 5 min per device, no extra tools required



## Addressability of each system device

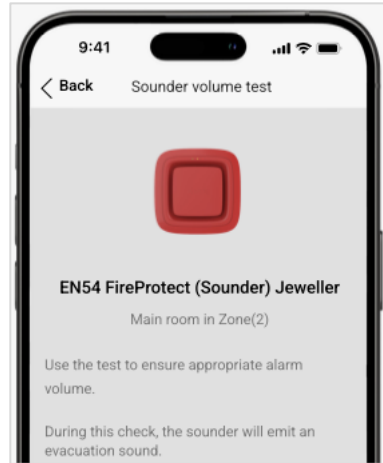
provides real-time device status with detailed updates

# Fully wireless fire alarm system for commercial and municipal buildings



# Breaking old ways with powerful apps

## Ajax PRO: Tool for Engineers

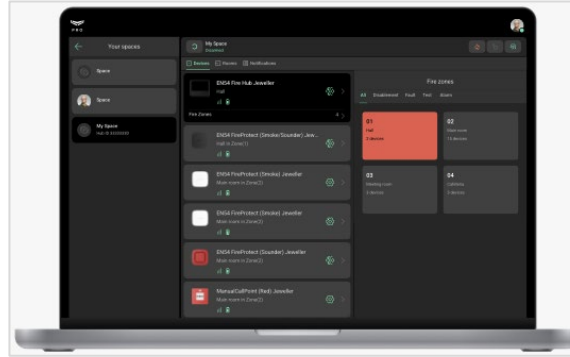


### For installers

Connect, configure, and test devices remotely and on-site



## Ajax PRO Desktop

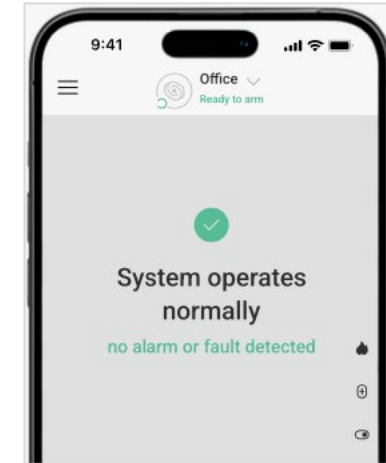


### For service providers

Administer Ajax systems, monitor alarms, and confirm them using a visual verification feature



## Ajax Security System



### For fire officers

Stay informed with instant fire alarms and maintenance notifications

### For facility owners

Get instant fire and intrusion alarms wherever you are



### Fully wireless connectivity

communication range of up to 1,800 m



### 10.1" IPS touch screen

for fire alarm control



### Connection to the monitoring station

### Intuitive fire alarm management via the CIE touch screen

fire alarm control

CIE settings

event log

alarm and fault indication

### 40 fire zones

06 07 08 09 10 11 12 13 14 15  
26 27 28 29 30 31 32 33 34 35

## EN54 LINE



## EN54 Fire Hub Jeweller

### Extended compliance



fire detection and alarm



intrusion protection

Up to 200 devices within one system



Remote control and configuration via Ajax apps

LED indication on fire alarms and overall system status



Built-in communicators for advanced connectivity

### Internet connection



Ethernet



Wi-Fi



2 x SIM 2G/4G (LTE)

### Communication with devices



Jeweller




Wings



TurboWings

# EN 54 heat and smoke detectors

Colors: 



**IP21C**

## **EN54 FireProtect (Heat) Jeweller**

Wireless point heat detector

EN 54-5

EN 54-25

## **EN54 FireProtect (Heat/Sounder) Jeweller**

Wireless point heat detector combined with a fire alarm sounder

EN 54-3

EN 54-5

EN 54-25

## **EN54 FireProtect (Smoke) Jeweller**

Wireless point smoke detector

EN 54-7

EN 54-25

## **EN54 FireProtect (Smoke/Sounder) Jeweller**

Wireless point smoke detector combined with a fire alarm sounder

EN 54-3

EN 54-7

EN 54-25



Patented smoke chamber featuring dual-spectrum optical sensor



**Thermistor modes**

A1R/A1S/BR/BS/CS and fixed temperature



Built-in radio communicator



85 dB sounder



5-year battery lifespan

# EN 54 Sounders and VADs



## EN54 FireProtect (Sounder) Jeweller

Wireless fire alarm sounder

EN 54-3  
EN 54-25

## EN54 FireProtect (Sounder/VAD) Jeweller

Wireless fire alarm sounder combined with a visual alarm device (VAD)

EN 54-3  
EN 54-23  
EN 54-25

## EN54 FireProtect (VAD) Jeweller

Wireless visual fire alarm device (VAD)

EN 54-23  
EN 54-25



85 dB volume



32 alarm patterns



Built-in radio communicator



5-year battery lifespan

# Manual Call Point Jeweller

Wireless resettable button for manual fire alarm activation featuring programmable scenarios

Colors:



EN 54-11

EN 54-25

✓ Failproof button-press mechanism that cannot get stuck

✓ EN 54 certified (applies to the red-colored version only)

✓ Up to 7 years of autonomous operation

✓ Transparent front lid to prevent accidental alarm activation

✓ Built-in radio communicator

# EN54 I/O Module (2X2) Jeweller

Wireless module with two inputs and two outputs for a fire alarm system

Colors:

IP21C



EN 54-18

EN 54-25

- ✓ 2 inputs to receive alarms and 2 outputs to control third-party devices
- ✓ Up to 4 years of autonomous operation
- ✓ Thought-out design for easy wiring
- ✓ Built-in radio communicator

# Wireless addressable I/O module

Two colors:



## 2 Inputs + 2 Outputs

EN54 I/O Module (2X2) Jeweller

EN 54-18, EN 54-25

**Application:** control and automation activation



Electriclocks



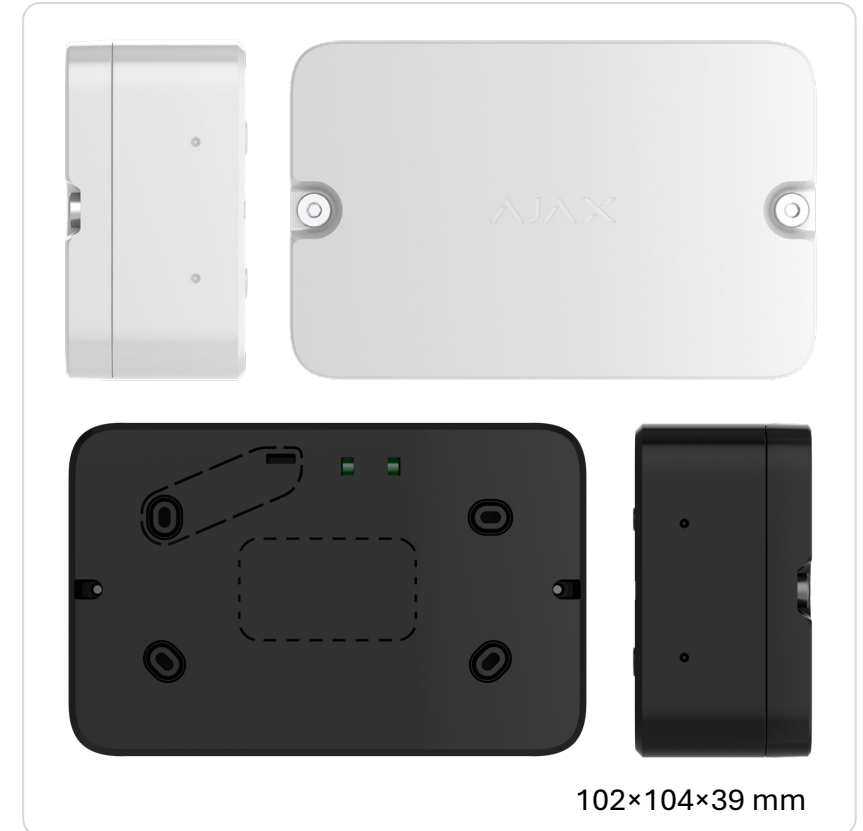
Elevator access control systems



LED emergency evacuation signs



PAVA & VACIE voice evacuation systems



102×104×39 mm

# EN54 Fire ReX Jeweller

Wireless radio signal range extender for a fire alarm system, supporting intrusion protection devices

Colors:

IP20



EN 54-4

EN 54-18

EN 54-25

EN 50131  
(Grade 2)

- ✓ Expanded communication range via Jeweller radio protocol and Ethernet
- ✓ Up to 35 km<sup>2</sup> of coverage with 5 range extenders per CIE
- ✓ Support for any device combinations within CIE limits
- ✓ 240 V~ mains power supply featuring 24 or 72-hour battery backup
- ✓ Support for fire, intrusion, and automation devices

# Backup power supply | Internal batteries

## Internal batteries for CIE and range extender

### EN54 Internal Battery (24h)

Up to 24 hours of autonomous operation \*

- 4 x 18650 Rechargeable Li-ion batteries
- Nominal voltage 7.4 V
- Capacity 5Ah

### EN54 Internal Battery (72h)

Up to 72 hours of autonomous operation \*

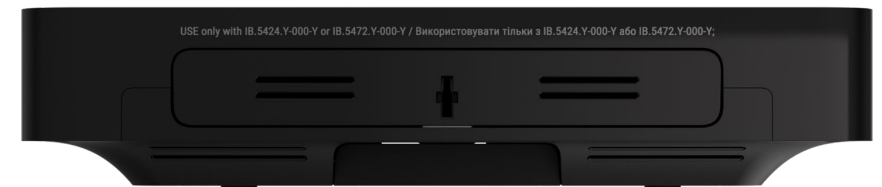
- 8 x 18650 Rechargeable Li-ion batteries
- Nominal voltage 7.4 V
- Capacity 10Ah

\* With the always active display for CIE, and when using Wi-Fi, Ethernet, and cellular (LTE) communication channels.

**Batteries are sold as a separate SKU and are not included into Hub and ReX complete set.**



166 x 87 x 22,9 mm



Two colors:



**IP 20**  
**-10°...+40°C**



Video surveillance



Fire and life safety



Comfort and automation

Intrusion protection



# Fire alarm video verification

## Steps

Go to the hub settings



Select Video Scenarios





Select the devices and alarm types for which the cameras will take videos



Select cameras






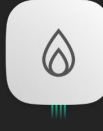
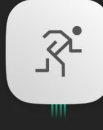
Enter the name and save your settings

-  Fire!
-  Evacuation

+ Add scenario

🔍 Search by device name or ID

All Intrusion Fire Leakage


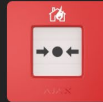


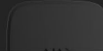
-  Motioncam
-  Smoke
-  Smoke/Sounder
-  Test input
-  Test input 2

Next

🔍 Search by device name or ID

All Intrusion Fire Leakage

Παραγωγή Select all

-  Heat
-  Manual call point
-  Motioncam
-  Smoke
-  Smoke/Sounder

Next

# Fire alarm photo verification

## Steps

Go to Privacy setting in the hub settings



Allow Photos by Scenarios

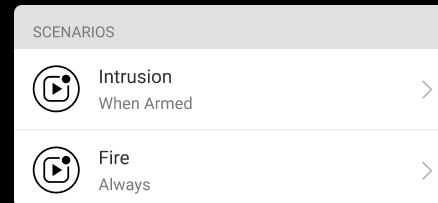
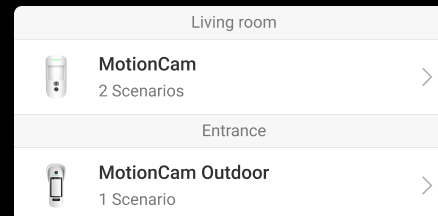
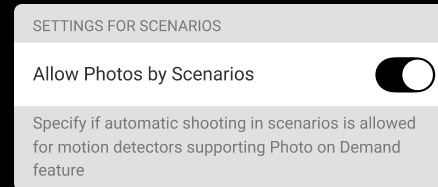


Choose the device with PhOD



Set up a scenario for taking photos:

- Select the devices and alarm types for which the detector will take photos
- Enter the name and save your settings



# Automation by fire alarm

## Steps

Choose the automation device and create the scenario



Select 'By alarm' scenario type



Select the devices and alarm types for which the device will react



Set the device action



Enter the name and save your settings

+ Create Scenario



By Alarm

An alarm triggers the device



Fire



Switch on



Switch off

Set whether the device switches on or off when the scenario is executed

Name

Fire alarm





AJAX ACADEMY

**Thank you!**