

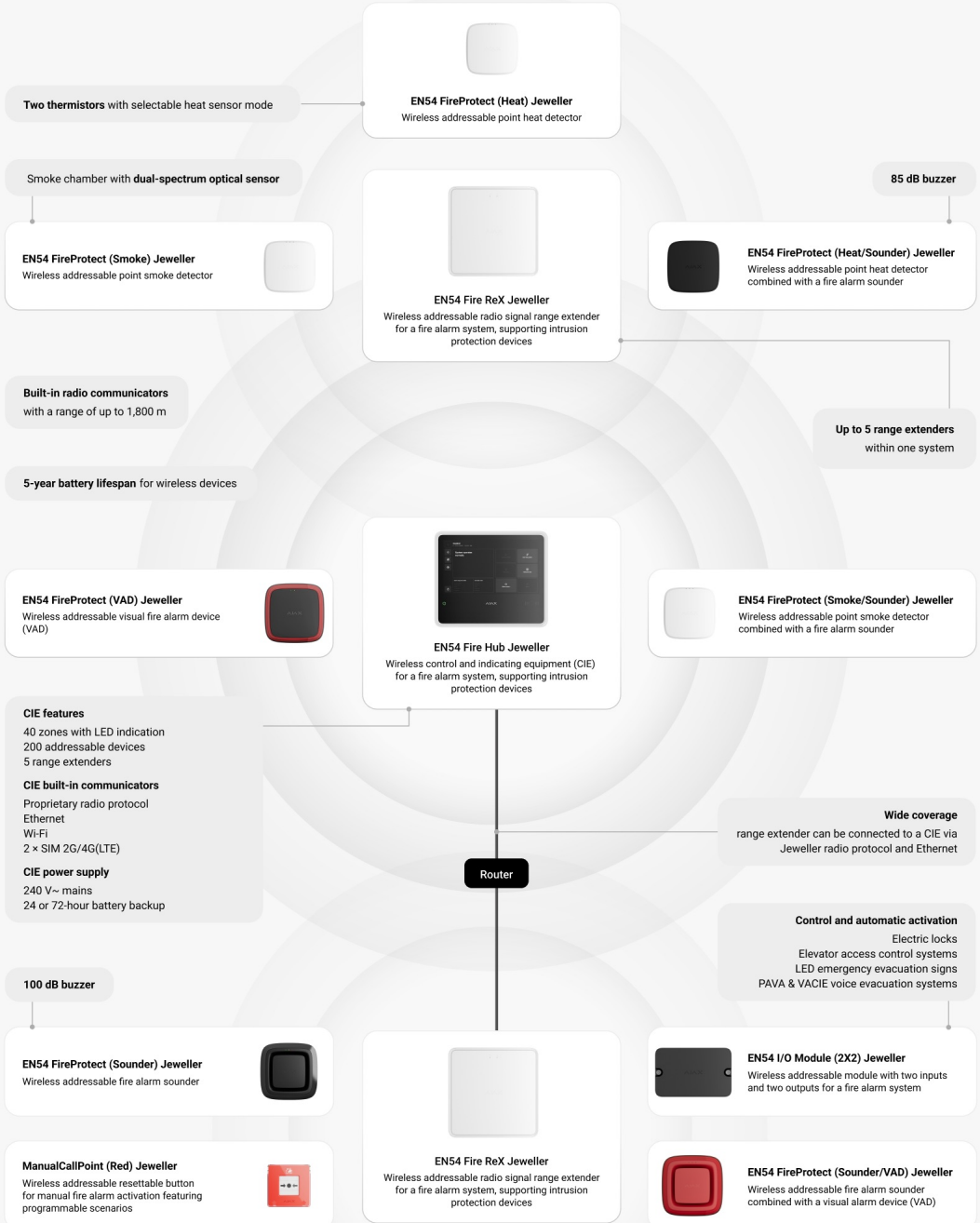
# AJAX



## EN54 LINE

Wireless commercial fire detection and alarm system

# EN 54 CERTIFIED



# Rules met. Conventions shattered.

EN54 Line is a fully wireless integrated fire detection and alarm system that brings unmatched reliability to commercial and municipal spaces. This solution is quick to deploy, even for large-scale projects.

Free mobile and desktop Ajax apps ensure easy setup, management, and remote monitoring — crucial features for effective business. The touchscreen CIE shows informative fire alarm notifications and, along with the devices, is equipped with built-in communicators. The CIE brings a unique opportunity to combine EN 54 fire detection with EN 50131 intruder alarm, automation, and video surveillance in one system — forever changing the way installation and alarm monitoring businesses can work.

## Navigating challenges

- Combining fire alarm, intrusion protection, and video surveillance into a single system
- Compliance with regulatory authorities and insurance requirements
- Limited time for deployment and commissioning
- Installation on leased or temporary sites
- Preservation of historically or culturally significant interiors
- Complicated cable routing or existing infrastructure limitations
- Need for flexibility in system redesign or reconfiguration
- Installation on asbestos-based walls or ceilings

## Covering a wide range of sites

- Restaurants and hotels
- Apartment buildings
- Schools and kindergartens
- Offices and business centers
- Shops and boutiques
- Municipal buildings
- Healthcare facilities
- Historical sites



# Reliability you can trust. Simplicity you'll love.



## Wireless range of up to 1,800 m

reliable two-way communication via the Jeweller proprietary protocol

### Compliance



**EN 54**  
fire detection and alarm system



**BS 5839-1**  
fire alarm code



**2 GRADE**  
**EN 50131**  
intrusion protection system



### Certification to EN 54-13

ensures all components function as one reliable, fault-tolerant system



### 5-year battery lifespan

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



### Tamper alarm

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

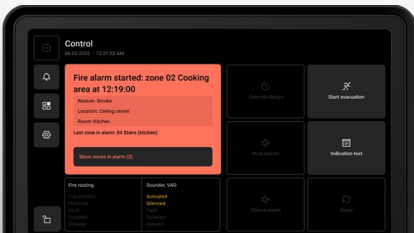


### Quick and tool-free battery swap

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

### Built-in color touchscreen

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



### Support for visual alarm verification

via MotionCam detectors or security cameras



### Advanced connectivity with built-in communicators

CIE always stays online via Ethernet, Wi-Fi, and two SIM cards 2G/4G(LTE)

All system devices seamlessly transmit data via a proprietary radio protocol



### Over-the-air software updates

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



### One-person walk testing

for cost-effective maintenance

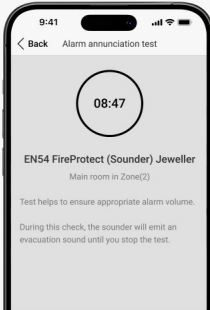


### Fast installation

just 5 min per device, no extra tools required

# Breaking old ways with powerful apps

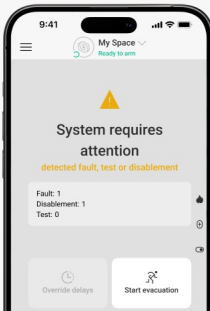
Ajax devices work in synergy with free mobile and desktop apps that seamlessly integrate into your workflow. No programming, no outdated configuration tools – just an intuitive interface for faster installations, easier facility management, and efficient remote service.



## Ajax PRO: Tool for Engineers

For installers

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



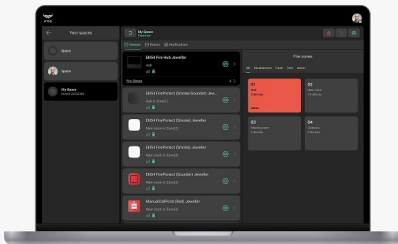
## Ajax Security System

For fire officers

Stay informed with instant fire alarms and maintenance notifications

For facility owners

Get instant fire and intrusion alarms wherever you are



## Ajax PRO Desktop

For service providers

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



# System control made easy



## EN54 Fire Hub Jeweller

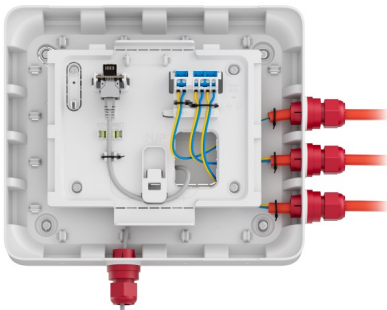
Wireless control and indicating equipment (CIE) for a fire alarm system, supporting intrusion protection devices

Color:

Introducing EN54 Fire Hub Jeweller, the Ajax's touchscreen CIE designed for all-around management of a fire safety system. Built-in communicators and a fully wireless device connection allow the system to be quickly deployed and connected to monitoring stations through Ajax apps. With its large touch screen and intuitive interface, the CIE provides detailed system status and alarm notifications, ensuring that staff are immediately aware of any situation.

The CIE also supports EN 50131 (Grade 2) intrusion protection, video surveillance, and automation devices, making it a unified solution for commercial and municipal sites. Each alarm can be supported by visual verification, helping guide the facility staff on responding to the emergency.

|   |   |
|---|---|
| <p><b>Extended compliance</b><br/>EN 54-2, EN 54-4, EN 54-13, EN 54-21, EN 54-25, BS 5839-1, and EN 50131 (Grade 2)</p>   | <p><b>Big touchscreen with an intuitive interface</b><br/>a 10.1" display with a resolution of 1024 × 600 px</p>                |
| <p><b>Built-in communicators</b><br/>provides radio communication with system devices and internet connection via Ethernet, Wi-Fi, and two SIM cards 2G/4G(LTE)</p> | <p><b>40 fire zones with LED indication</b><br/>25 intrusion groups<br/>200 addressable devices<br/>64 automation scenarios</p> |
| <p><b>Comprehensive protection</b><br/>support for fire, intrusion, and automation devices</p>  | <p><b>Alarm and event transmission to ARC</b><br/>via SurGard (Contact ID) and SIA (DC-09) protocols</p>                        |
| <p><b>LED indication</b><br/>separate indicators for fire alarm, test, disablement, system fault, device fault, power supply, and each fire zone</p>                | <p><b>Jeweller wireless technology</b><br/>communication with system devices at a distance of up to 1,800 m</p>                 |
| <p><b>Support for visual alarm verification</b><br/>via MotionCam PhOD detectors or security cameras</p>  | <p><b>Support for 5 range extenders</b><br/>connectable via Jeweller radio protocol and Ethernet</p>                            |
| <p><b>240 V~ mains power supply</b><br/>backed up by a 24 or 72-hour battery</p>  | <p><b>Compact enclosure size</b><br/>277 × 267 × 65 mm</p>  |
| <p><b>Built-in 60 dB buzzer</b></p>   | <p><b>Operating temperature ranges from -10 °C to +40 °C</b></p>  |
| <p><b>Selectable interface language</b></p>   | <p><b>IP20 enclosure protection</b></p>   |



## GlandBox

Wiring accessory for EN54 Fire Hub Jeweller, providing lateral wire entry via cable glands

Color:

# Patented detection technology and record autonomy



## EN 54 heat and smoke detectors

Color: ○ ●

Ajax EN 54 detectors offer best-in-class accuracy, thanks to Ajax's patented smoke chamber featuring a dual-spectrum optical sensor and two thermistors. With built-in communicators, long battery life, and stable radio communication, the devices are ready for different-scale projects. No need to open the enclosure or run cables – installation and configuration take just minutes via Ajax apps. Early service notifications and automated maintenance reports via Ajax PRO Desktop ensure the system stays easy to support for years.

|  |   |  |                                |
|--|---|--|--------------------------------|
| <b>EN54 FireProtect (Heat) Jeweller</b><br>Wireless addressable point heat detector  | EN 54-5<br>EN 54-25   | <b>EN54 FireProtect (Smoke) Jeweller</b><br>Wireless addressable point smoke detector  | EN 54-7<br>EN 54-25            |
| <b>EN54 FireProtect (Heat/Sounder) Jeweller</b><br>Wireless addressable point heat detector combined with a fire alarm sounder | EN 54-3<br>EN 54-5<br>EN 54-25  | <b>EN54 FireProtect (Smoke/Sounder) Jeweller</b><br>Wireless addressable point smoke detector combined with a fire alarm sounder | EN 54-3<br>EN 54-7<br>EN 54-25 |
| Patented smoke chamber featuring dual-spectrum optical sensor  | Two thermistors with selectable heat sensor modes:<br>A1R / A1S / BR / BS / CR / CS |  |                                |
| Built-in radio communicators   | Built-in 85 dB sounder with an adjustable volume                                    |  |                                |
| 5-year battery lifespan  | IP21C enclosure, 124 × 124 × 48 mm in size  |  |                                |
| Operating temperature ranges from 0 °C to +50 °C   | One-person walk testing   |  |                                |



## EN 54 sounders and VADs

Color: ○ ● ●

Within three seconds of a fire alarm, Ajax sounders and VADs deliver audible, visual, or combined alerts. Regardless of the version, the devices are equally suited for wall or ceiling mounting. Installation itself takes just minutes – no disassembly is required, as built-in communicators are already in place. Maintenance is just as effortless, thanks to real-time monitoring, early low-battery warnings in Ajax apps, and swift battery swap.

|   |  |   |                      |
|---|--|---|----------------------|
| <b>EN54 FireProtect (Sounder) Jeweller</b><br>Wireless addressable fire alarm sounder   | EN 54-3<br>EN 54-25                                | <b>EN54 FireProtect (VAD) Jeweller</b><br>Wireless addressable visual fire alarm device (VAD) | EN 54-23<br>EN 54-25 |
| <b>EN54 FireProtect (Sounder/VAD) Jeweller</b><br>Wireless addressable fire alarm sounder combined with a visual alarm device (VAD) | EN 54-3<br>EN 54-23<br>EN 54-25                    |   |                      |
| 100 dB sounder with an adjustable volume and 32 selectable alarm patterns   | Visual indication: W-2.4-8.2 / C-3-8               |   |                      |
| Built-in radio communicators  | 5-year battery lifespan                            |   |                      |
| IP54 enclosure, 145 × 145 × 51 mm in size   | Operating temperature ranges from -10 °C to +60 °C |   |                      |
| Installation on the wall or ceiling   |  |   |                      |

# Lightning-fast commands at critical moments



## ManualCallPoint Jeweller

Wireless addressable resettable button for manual fire alarm activation featuring programmable scenarios

Color: ●●●●○

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 communicators                           | 102 × 104 × 39 mm enclosure with an operating temperature range from 0 °C to +50 °C |

# Powerful add-ons for expanded system capabilities



## EN54 Fire ReX Jeweller

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

Color: ○●

EN 54-4

EN 54-18

EN 54-25

EN 50131  
(Grade 2)

|   |  |
|---|--|
| Up to 1,800 m of added communication range via Jeweller radio protocol and Ethernet | Expanded system 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                                 | IP20 enclosure, 226 × 239 × 53.5 mm in size                      |
| Operating temperature ranges from -10 °C to +40 °C                                  |  |



## EN54 Internal Battery

Rechargeable Li-ion batteries to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller

Color:

### EN54 Internal Battery (24h)

a 7.4 V battery with the capacity of 5 Ah

### EN54 Internal Battery (72h)

a 7.4 V battery with the capacity of 10 Ah



## EN54 I/O Module (2X2) Jeweller

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

Color:

EN 54-18

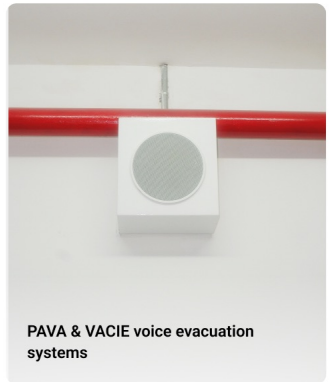
EN 54-25



Electric locks



Elevator access control systems



PAVA & VACIE voice evacuation systems

2 inputs supporting NO, NC, EOL, 2EOL, and 3EOL to receive alarms

2 outputs to control third-party devices

Up to 5 years of autonomous operation

Thought-out design for easy wiring

Built-in radio communicators

IP21C enclosure, 116 × 180 × 62 mm in size

Operating temperature ranges from 0 °C to +50 °C

# EN54 Line devices

| Device name                               | Device description   | Compliance |   |  |
|---|--|------------|---|--|
| EN54 Fire Hub Jeweller                    | Wireless control and indicating equipment (CIE) for a fire alarm system, supporting intrusion protection devices               | CE<br>UKCA | EU CPR:<br>EN 54-2<br>EN 54-4<br>EN 54-13<br>EN 54-21<br>EN 54-25 | EN 50131 (Grade 2)<br>PD 6662:2017<br>Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER) |
| GlandBox                                  | Wiring accessory for control and indicating equipment (CIE)  |            |   |  |
| EN54 Fire ReX Jeweller                    | Wireless addressable radio signal range extender for a fire alarm system, supporting intrusion protection devices              | CE<br>UKCA | EU CPR:<br>EN 54-4<br>EN 54-18<br>EN 54-25                        | EN 50131 (Grade 2)<br>PD 6662:2017<br>Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER) |
| EN54 Internal Battery (24h)               | Rechargeable Li-ion battery (7.4 V/5 Ah) to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller                      | CE<br>UKCA |   | Directive 2006/66/EC<br>Regulation (EU) 2023/1542<br>Regulation UK SI 2008 No. 2164                        |
| EN54 Internal Battery (72h)               | Rechargeable Li-ion battery (7.4 V/10 Ah) to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller                     | CE<br>UKCA |   | Directive 2006/66/EC<br>Regulation (EU) 2023/1542<br>Regulation UK SI 2008 No. 2164                        |
| EN54 FireProtect (Heat) Jeweller          | Wireless addressable point heat detector   | CE<br>UKCA | EU CPR:<br>EN 54-5<br>EN 54-25                                    | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (Heat/Sounder) Jeweller  | Wireless addressable point heat detector combined with a fire alarm sounder  | CE<br>UKCA | EU CPR:<br>EN 54-3<br>EN 54-5<br>EN 54-25                         | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (Smoke) Jeweller         | Wireless addressable point smoke detector  | CE<br>UKCA | EU CPR:<br>EN 54-7<br>EN 54-25                                    | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (Smoke/Sounder) Jeweller | Wireless addressable point smoke detector combined with a fire alarm sounder   | CE<br>UKCA | EU CPR:<br>EN 54-3<br>EN 54-7<br>EN 54-25                         | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (Sounder) Jeweller       | Wireless addressable fire alarm sounder  | CE<br>UKCA | EU CPR:<br>EN 54-3<br>EN 54-25                                    | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (Sounder/VAD) Jeweller   | Wireless addressable fire alarm sounder combined with a visual alarm device (VAD)  | CE<br>UKCA | EU CPR:<br>EN 54-3<br>EN 54-23<br>EN 54-25                        | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 FireProtect (VAD) Jeweller           | Wireless addressable visual fire alarm device (VAD)  | CE<br>UKCA | EU CPR:<br>EN 54-23<br>EN 54-25                                   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| EN54 I/O Module (2X2) Jeweller            | Wireless addressable module with two inputs and two outputs for a fire alarm system  | CE<br>UKCA | EU CPR:<br>EN 54-18<br>EN 54-25                                   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| ManualCallPoint (Red) Jeweller            | Wireless addressable resettable button for manual fire alarm activation featuring programmable scenarios. Red-colored version. | CE<br>UKCA | EU CPR:<br>EN 54-11<br>EN 54-25                                   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| ManualCallPoint (Blue) Jeweller           | Wireless addressable resettable button featuring programmable scenarios. Blue-colored version.                                 | CE<br>UKCA |   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| ManualCallPoint (Green) Jeweller          | Wireless addressable resettable button featuring programmable scenarios. Green-colored version.                                | CE<br>UKCA |   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| ManualCallPoint (Yellow) Jeweller         | Wireless addressable resettable button featuring programmable scenarios. Yellow-colored version.                               | CE<br>UKCA |   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |
| ManualCallPoint (White) Jeweller          | Wireless addressable resettable button featuring programmable scenarios. White-colored version.                                | CE<br>UKCA |   | Directive 2014/53/EU (RED)<br>Regulation UK<br>SI 2017 No.1206 (RER)                                       |

# Next-gen solution for all-around protection



Partner with Ajax Systems  
[ajax.systems/partner-form](https://ajax.systems/partner-form)

[ajax.systems](https://ajax.systems)

EN54 LINE