EN54 LINE

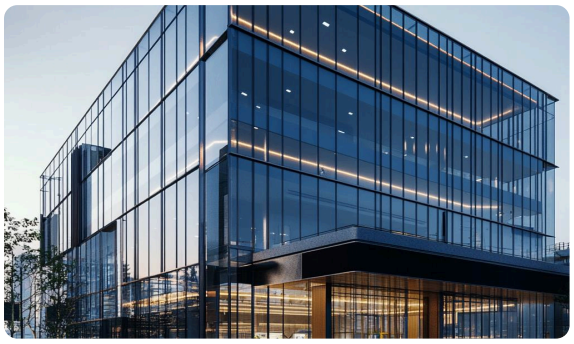
Wireless commercial fire detection and alarm system

Next-gen solution that is fast to deploy and easy to manage

EN54 Line is a fully wireless fire detection and alarm system bringing unmatched reliability to commercial and municipal spaces. The solution is quick to deploy, even for large-scale projects. All devices are designed to integrate seamlessly into any interior and yet remain visible in an emergency. Setup, management, and monitoring can be done through Ajax apps, either remotely or on-site.

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



Navigating challenges

- 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

The world's first EN 54 fire alarm that looks too good to hide

FULLY WIRELESS FIRE ALARM SYSTEM FOR COMMERCIAL AND MUNICIPAL BUILDINGS

EN 54 CERTIFIED

EN54 FireProtect (Heat) Jeweller
Wireless point heat detector
Colors:

85 dB buzzer

EN54 FireProtect (Smoke) Jeweller
Wireless point smoke detector
Colors:

5-year battery lifespan for detectors

EN54 FireProtect (Heat/Sounder) Jeweller
Colors:
Wireless point heat detector combined with a fire alarm sounder

EN54 ReX Jeweller
Wireless radio signal range extender for a fire alarm system
Colors:

CIE features
40 zones
200 addressable devices
5 range extenders

CIE communication channels
Ethernet
Wi-Fi
2 × SIM 2G/3G/LTE

CIE power supply
240 V~ mains
24 or 72-hour battery backup

Jeweller radio protocol
communication range of up to 2,000 m

EN54 Fire Hub Jeweller
Wireless control and indicating equipment (CIE) for a fire alarm system
Colors:

EN54 FireProtect (VAD) Jeweller
Wireless visual fire alarm device (VAD)
Colors:

EN54 FireProtect (Smoke/Sounder) Jeweller
Colors:
Wireless point smoke detector combined with a fire alarm sounder

Router

5-year battery lifespan for sounders and VADs

Wide coverage range extender can be connected to a CIE via Jeweller radio protocol and Ethernet

EN54 FireProtect (Sounder) Jeweller
Wireless fire alarm sounder
Colors:

95 dB buzzer

EN54 FireProtect (Sounder/VAD) Jeweller
Colors:
Wireless fire alarm sounder combined with a visual alarm device (VAD)

EN54 ReX Jeweller
Wireless radio signal range extender for a fire alarm system
Colors:

ManualCallPoint (Red) Jeweller
Wireless resettable button for manual fire alarm activation featuring programmable scenarios
Colors:

EN54 I/O Module (2X2) Jeweller
Colors:
Wireless module with two inputs and two outputs for a fire alarm system

Control and automatic activation
Electric locks
Elevator access control systems
LED emergency evacuation signs
PAVA & VACIE voice evacuation systems

Reliability you can trust. Simplicity you'll love.

EN 54 certified
full compliance with major fire detection and fire alarm system standards

Wireless range of up to 2,000 m
reliable two-way communication via the Jeweller proprietary protocol

Addressability of each system device
provides real-time device status with detailed updates

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

Over-the-air software updates
the system updates automatically to ensure peak performance and instant access to new features

Free mobile and desktop apps
from effortless on-site setup and testing to full remote system management and monitoring

Quick and tool-free battery swap
no need to fully disassemble the enclosure or unpair the device for battery change

Touchscreen CIE
large display featuring an intuitive interface and informative event log

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

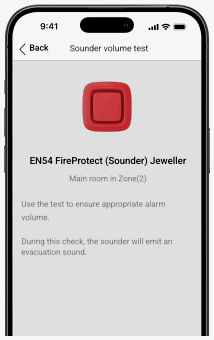
5-year battery lifespan
pre-installed batteries provide long-term autonomy for detectors, sounders, and VADs

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 and efficient remote servicing.

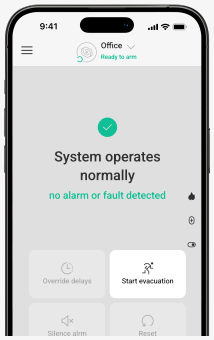
For installers



Ajax PRO: Tool for Engineers

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

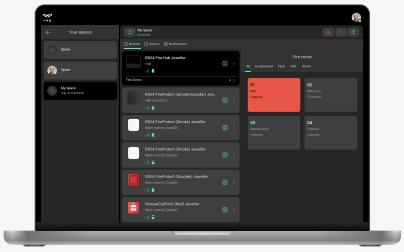
For fire officers



Ajax Security System

Stay informed with instant fire alarms and maintenance notifications

For service providers



Ajax PRO Desktop

Administer Ajax systems and monitor fire alarms

macOS | iOS | Windows | Android

System control made easy

EN54 FireHub Jeweller

Wireless control and indicating equipment (CIE) for a fire alarm system

Introducing the first Ajax's CIE designed specifically for commercial and municipal spaces. It's easy to install, simple to use, and doesn't require much upkeep. With its vibrant, large touchscreen and intuitive interface, the CIE provides detailed system status and notifications of alarms or other events. The staff is instantly aware of the situation and can respond to emergencies with confidence and precision.

200 addressable devices	**40 zones**
Alarm and event transmission to ARC via SurGard (Contact ID) and SIA (DC-09) protocols	**EN 54 certified** full compliance with EN 54-2, EN 54-4, EN 54-21, and EN 54-25 requirements
Jeweller wireless technology communication with system devices at a distance of up to 2,000 m	**Support for 5 range extenders** connectable via Jeweller radio protocol and Ethernet
Big touchscreen with an intuitive interface a 10.1" display with a resolution of 1024 × 600 px	**240 V~ mains power supply** backed up by a 24 or 72-hour battery
Compact enclosure 263 × 223 × 54 mm	**Advanced internet connectivity** via Ethernet, Wi-Fi, and 2 SIM cards (2G/3G/LTE)

GlandBox

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

Patented detection technology and record autonomy

EN 54 heat and smoke detectors

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 54-12 EN 54-25
EN54 FireProtect (Smoke/Sounder) Jeweller	Wireless point smoke detector combined with a fire alarm sounder	EN 54-3 EN 54-12 EN 54-25

Patented smoke chamber

Two A1R thermistors

85 dB sounder

5-year battery lifespan

EN 54 sounders and VADs

EN54 FireProtect (Sounder) Jeweller	Wireless fire alarm sounder	EN 54-5 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

95 dB volume

32 alarm patterns

5-year battery lifespan

Lightning-fast commands at critical moments

ManualCallPoint Jeweller

Wireless resettable button for manual fire alarm activation featuring programmable scenarios

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

Powerful add-ons for expanded system capabilities

EN54 Fire ReX Jeweller

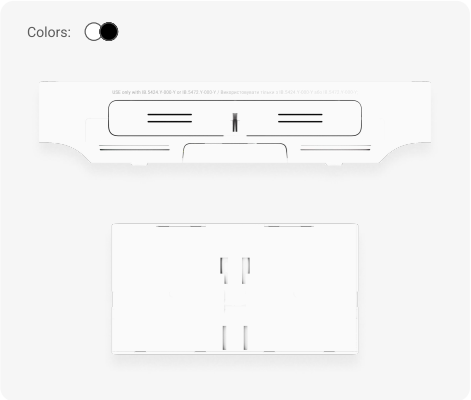
Wireless radio signal range extender for a fire alarm system

EN 54-4	EN 54-18	EN 54-25

- Expanded communication range via Jeweller radio protocol and Ethernet
- Up to 35 km² 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
- EN 54 certified

EN54 Internal Battery

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



Models available:

- **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 module with two inputs and two outputs for a fire alarm system

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
- EN 54 certified

EN54 Line devices

Device name	Device description	EN54 Compliance
EN54 Fire Hub Jeweller	Wireless control and indicating equipment (CIE) for a fire alarm system	EN 54-2 EN 54-4 EN 54-21 EN 54-25
GlandBox	Wiring accessory for a control and indicating equipment (CIE)	N/A
EN54 Fire ReX Jeweller	Wireless radio signal range extender for a fire alarm system	EN 54-4 EN 54-18 EN 54-25
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	N/A
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	N/A
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 54-12 EN 54-25
EN54 FireProtect (Smoke/Sounder) Jeweller	Wireless point smoke detector combined with a fire alarm sounder	EN 54-3 EN 54-12 EN 54-25
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
EN54 I/O Module (2X2) Jeweller	Wireless module with two inputs and two outputs for a fire alarm system	EN 54-18 EN 54-25
ManualCallPoint (Red) Jeweller	Wireless resettable button for manual fire alarm activation featuring programmable scenarios. Red-colored version.	EN 54-11 EN 54-25
ManualCallPoint (Blue) Jeweller	Wireless resettable button featuring programmable scenarios. Blue-colored version.	N/A
ManualCallPoint (Green) Jeweller	Wireless resettable button featuring programmable scenarios. Green-colored version.	N/A
ManualCallPoint (Yellow) Jeweller	Wireless resettable button featuring programmable scenarios. Yellow-colored version.	N/A
ManualCallPoint (White) Jeweller	Wireless resettable button featuring programmable scenarios. White-colored version.	N/A