NOTIFIER®
by Honeywell

WIRELESS FIRE DETECTION



Agile™

- Stay Connected
- Stay Protected

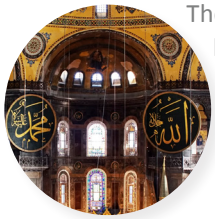
Stay Connected
Stay Protected

The new Agile Wireless Fire Detection system offers unmatched levels of communication reliability and installation flexibility. It provides a robust and efficient method of delivering an integrated fire detection solution across a wider variety of applications, with greater simplicity and scalability.

The platform is built on a powerful mesh technology, with multiple communication paths to minimise interference and maximise system robustness.

Key Applications

Historic & Hard-to-Wire Buildings



The Agile wireless platform is ideally suited to heritage sites, museums or complex applications with aesthetic challenges or otherwise limiting restrictions. For example asbestos, concrete walls and ceilings or inaccessible wiring.

Refurbishments & Retrofits



Since the Agile platform can be used effectively as a wired system extension, it is well suited to refurbished buildings or retrofits where it is uneconomical or impractical to have a wired installation. Agile IQ wireless software tools allow rapid installation without business disruption.

Temporary Fire Protection & Time Pressured Projects



The flexibility and speed of installation of the Agile wireless fire detection solution makes it the first choice technology for applications where temporary fire protection is needed such as construction sites, exhibition booths and portable classrooms. It is also ideal for time pressured projects with short deadlines.





Cutting Edge **Technology**

Mesh Network Communication Reliability

The Agile system offers the highest levels of communication reliability due to patented mesh network technology.

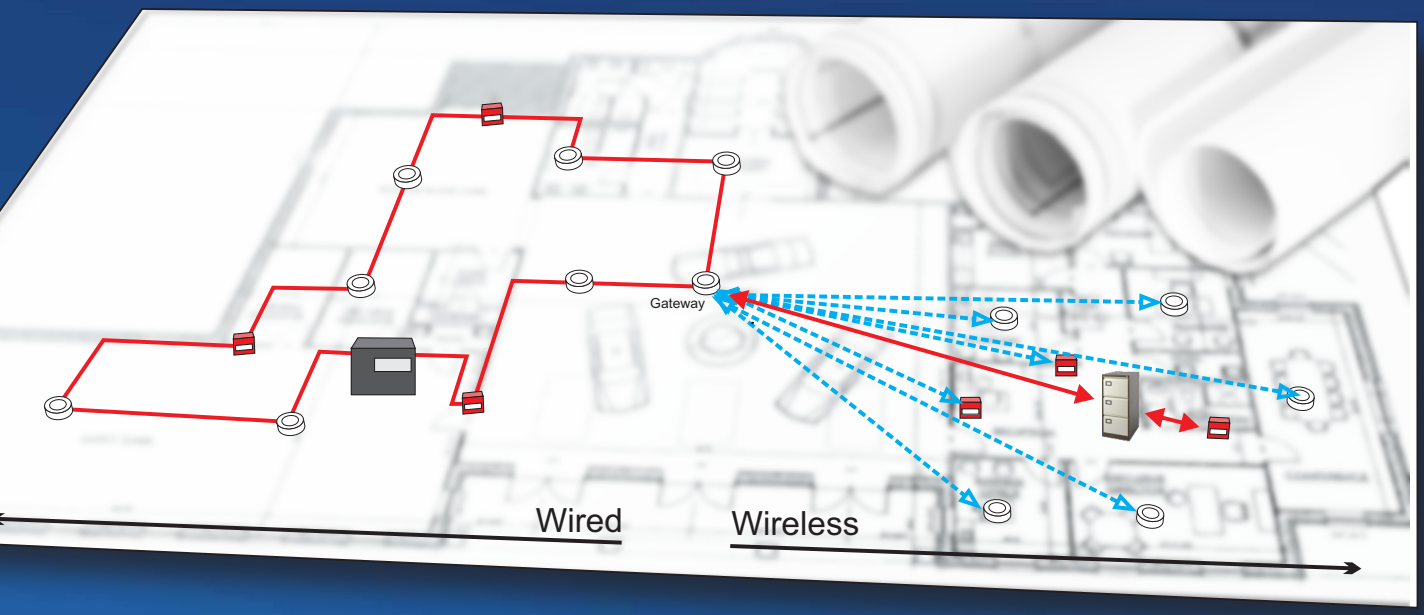
Mesh technology provides multiple connection paths between each transmitter and receiver allowing continuous, bi-directional communication.

If a connection path is broken, the mesh network automatically re-routes the signal, providing a secure and uninterrupted network.

The ability to switch between as many as 18 radio channels along with two antennas per device and extended communication range provides greater tolerance to interference.

5 Key Reasons to Choose **Agile Mesh** Technology





Star Network

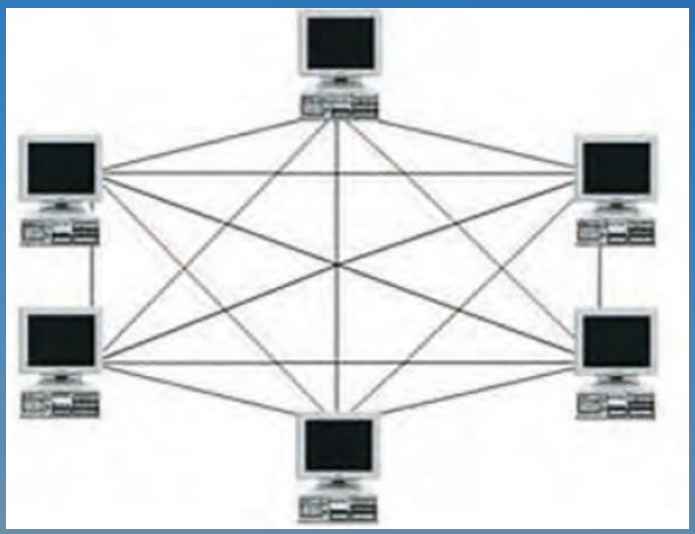
In a star network, wireless devices are in direct communication with either a central wireless gateway or a repeater. Temporary obstacles such as metal filing cabinets or new internal walls can affect the system integrity causing a break in communication. This renders the system partially inactive resulting in the area no longer being protected. This can be avoided using a mesh network.

Agile Mesh Network

In a mesh network, each device acts as an independent router, allowing for multiple communication paths. The Agile solution is designed so that if one link is broken, all of the devices continue to communicate with each other without any loss of coverage. The EN54-25 standard for wireless fire detection requires that communication paths are not susceptible to interference from either inherent or external sources. The Agile multichannel frequency diversity ensures that this requirement is met, providing maximum levels of fire protection.



Star Network



Agile Mesh Network

Efficient **Design, Configuration and Diagnostics**

3-in-1Agile IQ Software

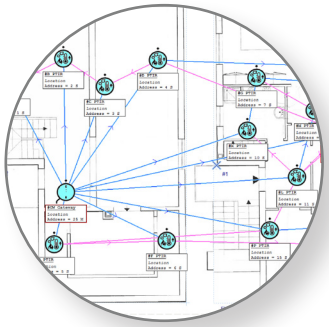
The Agile system is supported by Agile IQ, a powerful 3-in-1 software application that provides users with all the features and support necessary for the effective Design, Configuration and Diagnostics of a robust mesh network.

Agile IQ is designed for first time users and more experienced system designers and installers with a range of automatic and manual configuration options. The software is easy to use and provides greater network visibility, making the troubleshooting process much simpler.

01 Design

Design

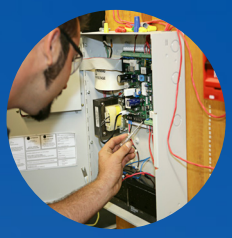
The Agile IQ design software tool allows the user to design and simulate the quality of the wireless network from their office, without the need to be on site. Building plans can be easily imported via the software as images or CAD files. Networks can be easily tested to identify critical communication links which should be tested during a site survey.



02 Configuration

Configuration

The AGILE IQ configuration software tool allows the device configuration to be performed either before or after the devices are installed in their final position. This provides the installer a greater degree of flexibility and can reduce commissioning time.



Panel Integration

Agile wireless devices appear the same on the panel as their wired equivalents and can be integrated with the overall fire system – allowing for easy network interrogation via the panel or through the Agile IQ software.

Device Compatibility

The installer's job is further simplified as devices have the same look and feel as their wired equivalents and addresses are set using the familiar rotary switches. The gateway, the main communication interface between the panel and the wireless device, plugs into a standard detector base, allowing for easy and effective system extensions

03 Diagnostics

Diagnostics

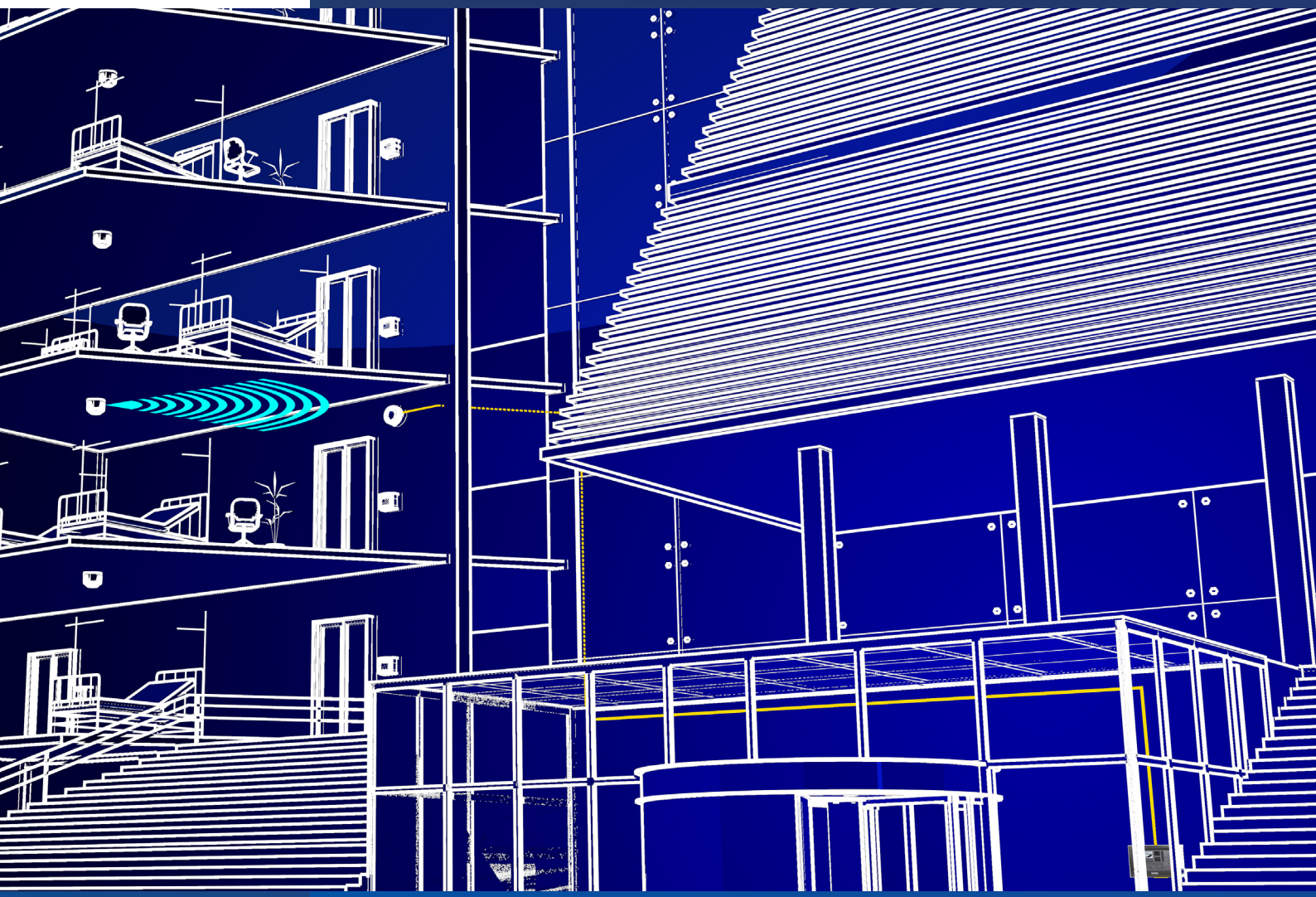
The Agile IQ diagnostic software tool provides a real time picture of the network status without compromising the operation of the system.

The combination of the software and Agile USB dongle allows the user to effectively track performance and pinpoint any faults on site. With a few clicks a report containing the survey results can be generated. Troubleshooting is more accurate and problems are easier to resolve.

Smart Battery Service Prediction

Patented monitoring technology provides accurate battery service life prediction, reducing unplanned maintenance requirements. This eliminates the need to replace batteries on every inspection and allows proactive planning of battery replacement.





Feature Summary & Benefits

- Mesh multiple communication paths for increased reliability
- 18RF channels at 868MHz - provides greater tolerance to interference
- 2 integrated antennas on each wireless fire device – easier positioning of devices
- Up to 400 m free air communication range – providing good coverage levels
- Average 5 year battery service life – reducing maintenance requirements
- Addresses set using rotary switches – reduced commissioning time
- Wired fire devices look and feel – easier installation and visual integration
- Patented battery service life prediction feature – more proactive maintenance
- Loop powered Gateway – reduced installation cost and time
- Up to 8 Gateways per loop
- Up to 32 Wireless devices per Gateway
- Agile IQ 3 in 1 software for easy design, configuration and diagnostics

Product Variants

Fire Detectors

PN	DESCRIPTION
NRX-SMT3	Multi-Criteria: Photo-Thermal-IR Detector
NRX-OPT	Photo Detector
NRX-TFIX58	58˚C Fixed Temperature Heat Detector
NRX-TDIFF	Rate of Rise Heat Detector

Evacuation Devices

PN	DESCRIPTION
NRX-WCP	Waterproof Manual Call Point

Accessories

PN	DESCRIPTION
NRXI-GATE	Gateway, the translator between the radio network and the loop based Fire Detection system can handle up to 32 wireless devices
NRX-REP	Repeater, providing larger area coverage and more robust communication
B501RF	Base for Repeaters (or Detectors)

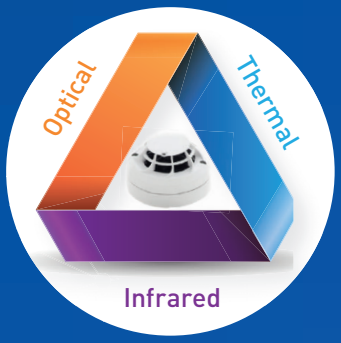
Tools

PN	DESCRIPTION
NRX-USB NRX-USB-PRO	USB Wireless Dongle, for Wireless Fire System interfacing
Agile IQ ™	PC Based Software for site surveys, commissioning and diagnostics
BAG RF HWKIT	Bag for Installer Kit
POLE HWKIT	Carbon fiber Extendable Pole
CUP HWKIT	Cup / Removal Head
SOLOADAPT HWKIT	Adaptor between Solo Pole and Cup

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Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.



Multi **Criteria** False Alarm **Immunity**

The wireless detector range includes the field proven Multi-criteria detector, which combines three separate sensing elements - Photo, Thermal and Infrared – acting as a single unit to deliver outstanding immunity to false alarms.

The three sensing elements are managed by advanced algorithms, which dynamically adjust the detection profile of the device in response to the sensing inputs, enabling it to adapt to environmental changes.

Based upon the sensor signals the algorithm continually changes its characteristics to detect fires faster with improved false alarm immunity.

EN54-25 **Compliance**

Wireless systems must conform to the EN54-25 standard in three specific areas : Site attenuation, alarm signal integrity and interference immunity.

Agile mesh multi path technology ensures that communication messages are routed in the most efficient manner, ensuring maximum signal strength at each location. As a result there is always at least one communication link between each device and the gateway. Agile multichannel frequency diversity technology and a high number of channels adds further resilience to ensure that EN54-25 requirements are met.

Honeywell
THE POWER OF **CONNECTED**