



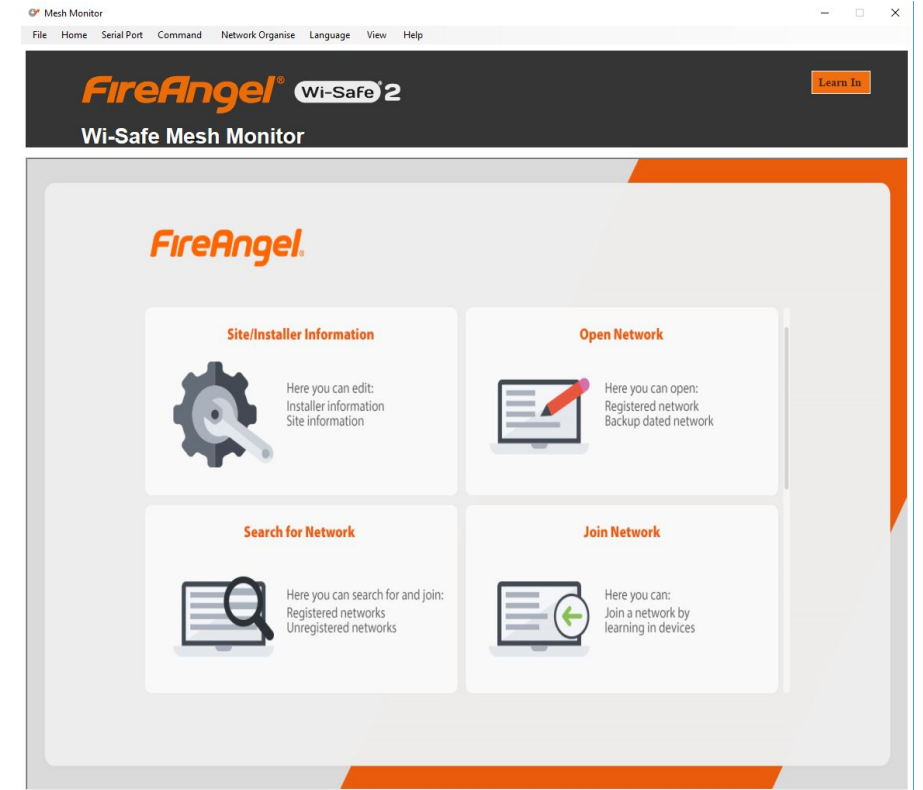
# *FireAngel*®

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Our purpose is to **protect, save and improve** our customers' lives by making innovative, leading edge technology simple and accessible.

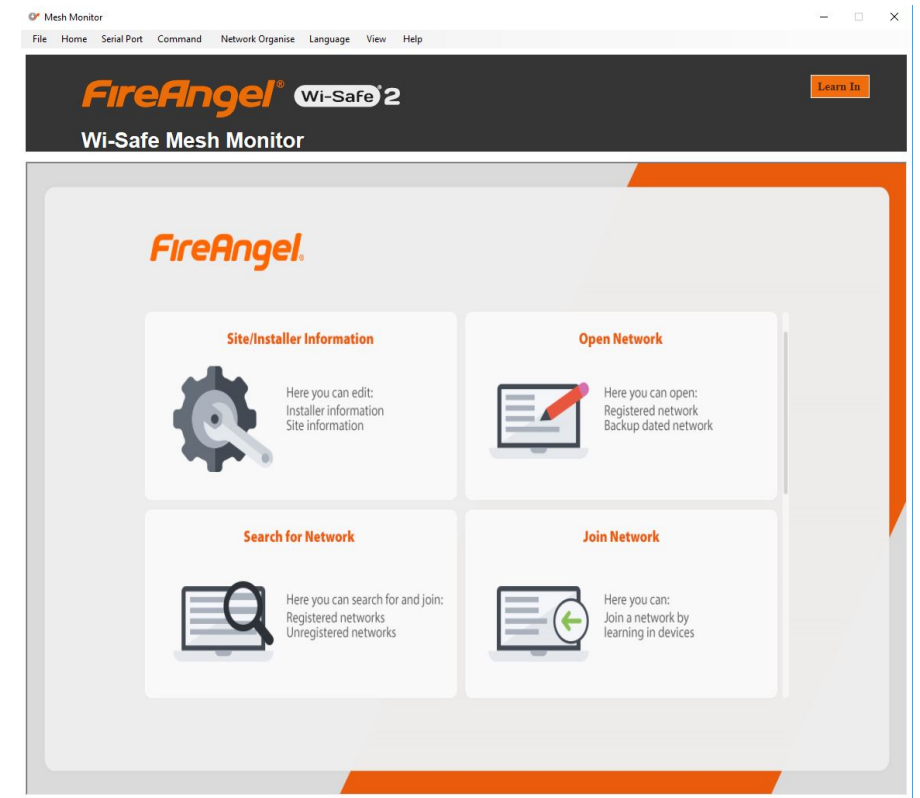
# W2-Mesh Monitor (W2-MM)

- Service and maintenance tool for WiSafe2 Networks
- Provides visibility of network in simple Graphical User Interface
- Significantly reduces the time required for service and maintenance
- Plug and play hardware
- Easy to install software
- Quick and easy setup



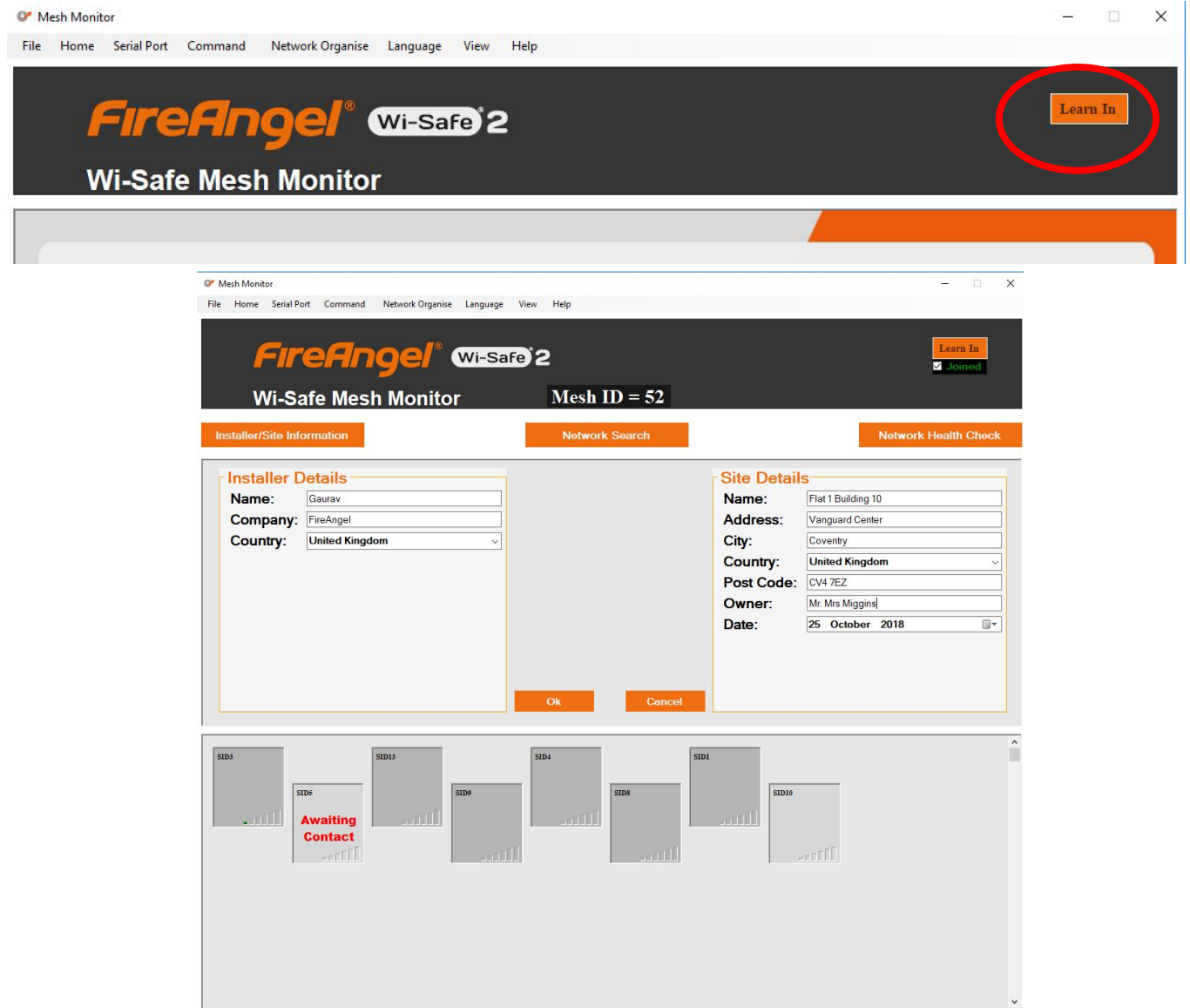
# Key Additional Features in new Interface

- To be used with existing W2-MM hardware
- “Walk By” – Mesh monitor solution with capability to address the system
- Ability to save site-specific details
  - Site Name
  - Site Address
  - Individual unit name (Example – Bedroom1, Kitchen1 etc.)
- Network health check with one click (without the need to access the site)
- Ability to automatically find site details based on network id for “Read Only” mode
- Ability to print out a maintenance report as pdf



# Setting up new sites – Read/Write Mode

- Create a new network
- Method to enter “Read/Write Mode” for setting up new sites & amendments to existing network – Press Learn In button on the interface screen followed by Test button press on one of the devices
  - Please note all the units in the network will chirp
- Once Learnt in W2-MM will send enquiry to entire network to find out network MAP and SID IDs
- Once complete, Site details can be added in the required fields
- Name field creates database and stores history
- Network will be displayed with the Name field, in “network search” option



# Setting up individual units

- With single click on units, individual unit dialogue box will open, and a location can be provided
- Status of the individual units can be found out from the same screen

Mesh Monitor: Node Details

SID	Location	Comments
18	Bedroom	

**ID Information**  
**Request**  
Model:  
Device ID: 0000000

**Remote Status**  
**Request**  
Firmware Revision:  
RM Battery Voltage:  
RM Battery Level:  
SD Battery Level:

**Fault Details**  
**Request**  
ADC Status: ●  
Temperature Diode: ●  
SD Battery Level: ●  
Battery Impedance: ●  
Chamber Status: ●  
Calibration Status: ●  
RM Status: ●  
RM Battery Level: ●  
SPI Buffer Status: ●  
EE. Status: ●  
EE. Buffer Status: ●  
Thermoptek Status: ●

**Historic Fault Events**  
**Request**  
Information N/A

**Battery Voltage**  
**Request**  
Battery Voltage:

Test

Request SID Map

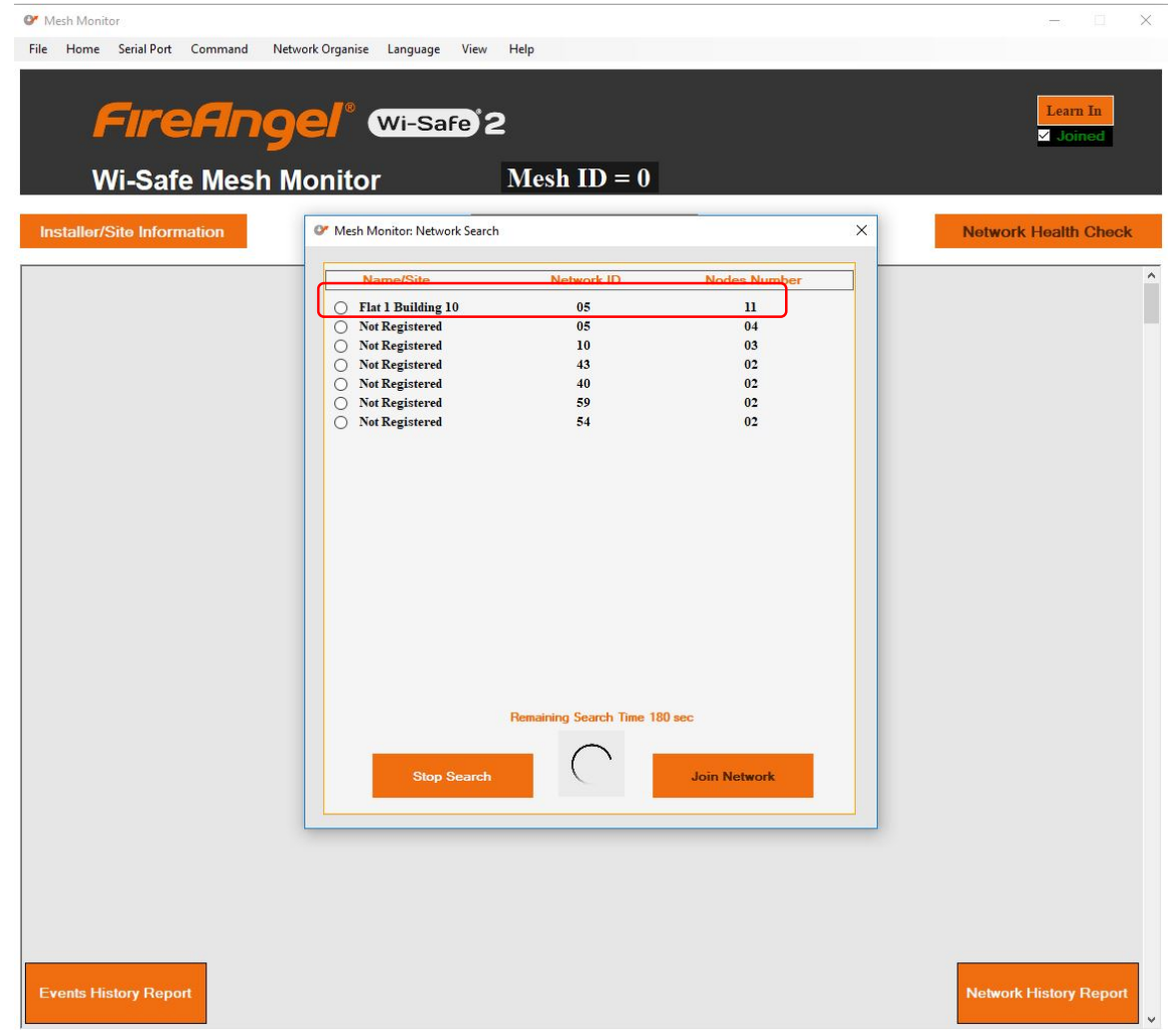
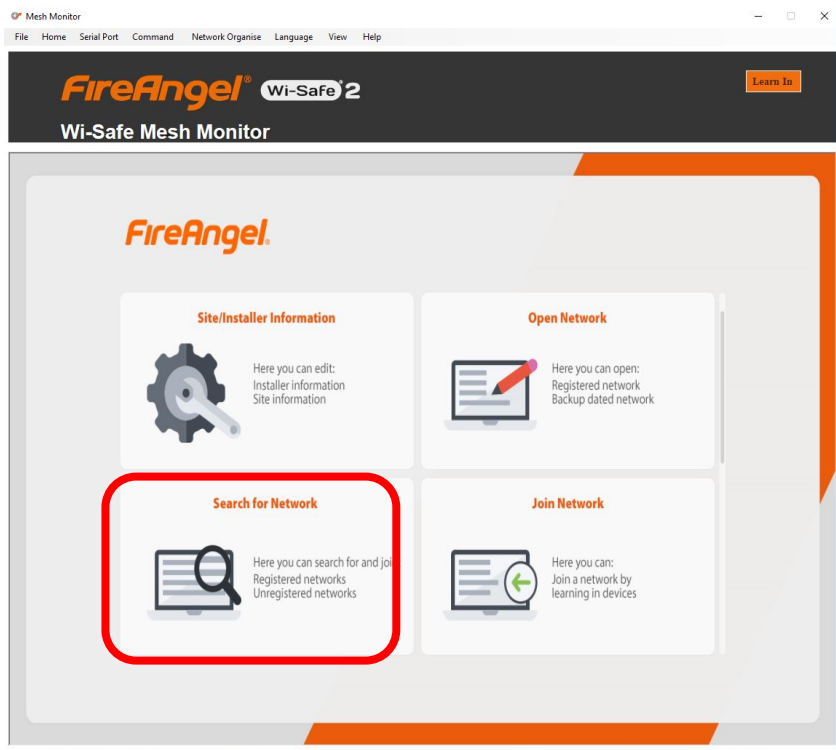
Buzzer/Base Check

Remove

Ok

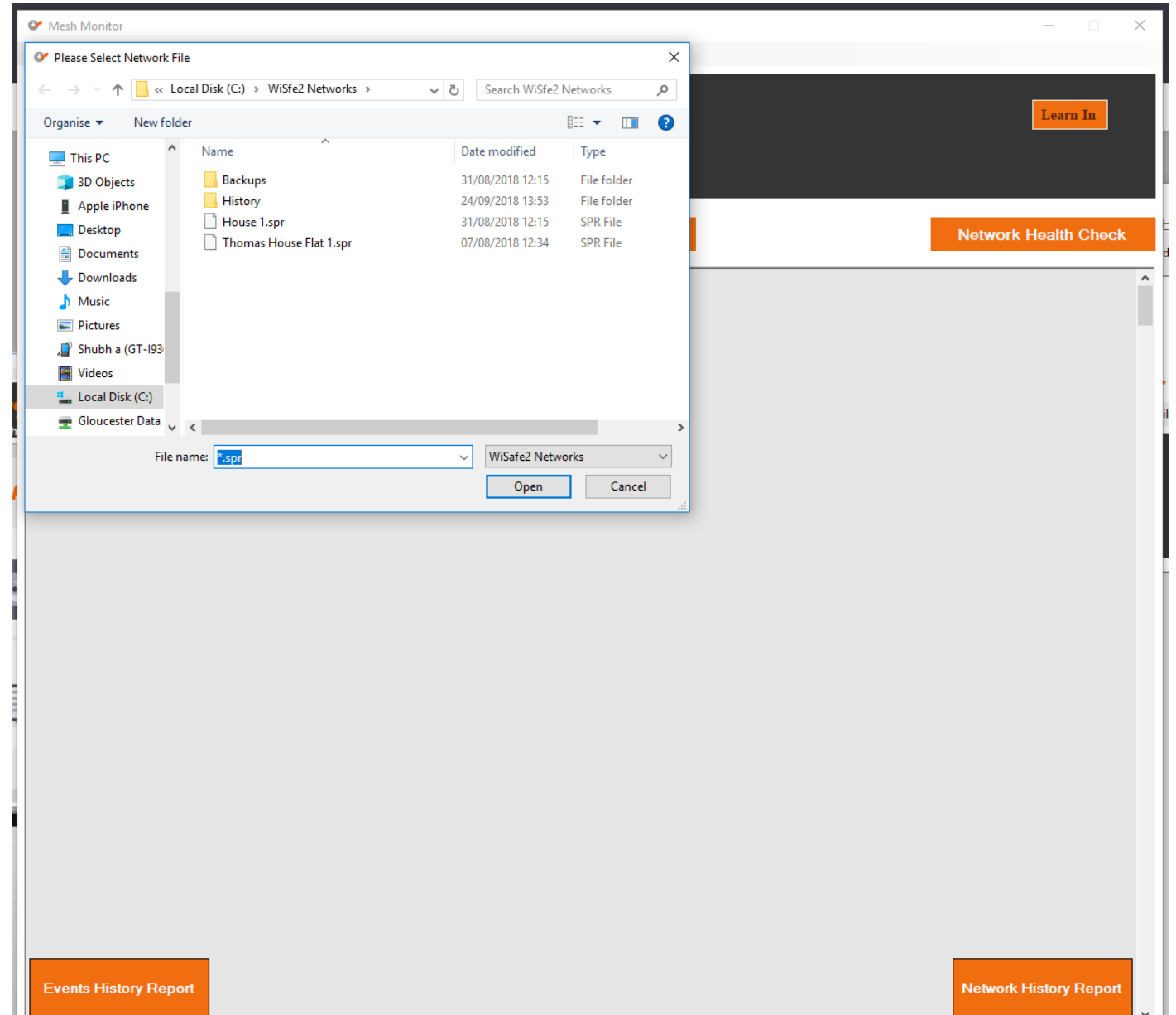
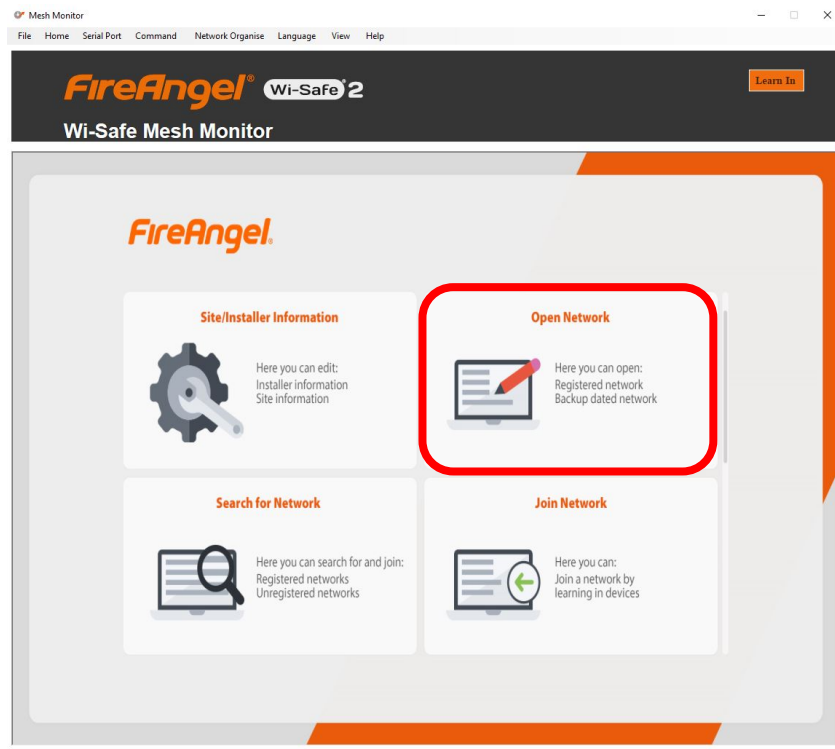
# Joining network – “Read Only Mode”

- When “search for network” option is selected, Mesh Monitor will detect all network in near vicinity
- All the saved sites will be displayed as their names and can be joined by clicking “Join network” button



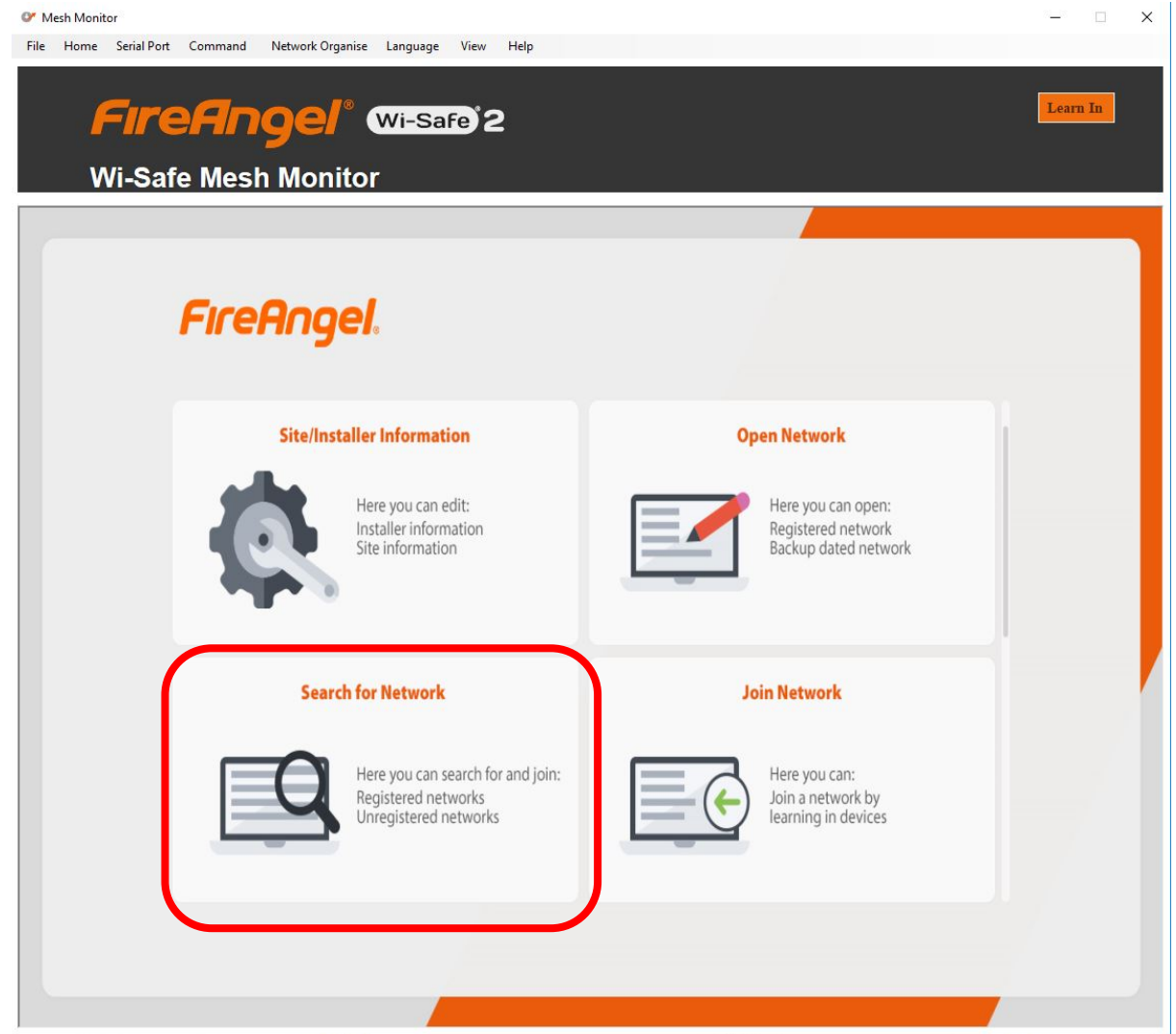
# Joining Saved network – “Read Only Mode”

- User can opt to open already saved site details from Home screen to join in “read only” mode with “OPEN NETWORK Option”



# Diagnostics in Read only Mode

- It is possible to diagnose a network without setting up site details.
- Network which are not saved / given addresses will be displayed as “Not Registered” network in the network search
- Network search can be initiated from the home screen

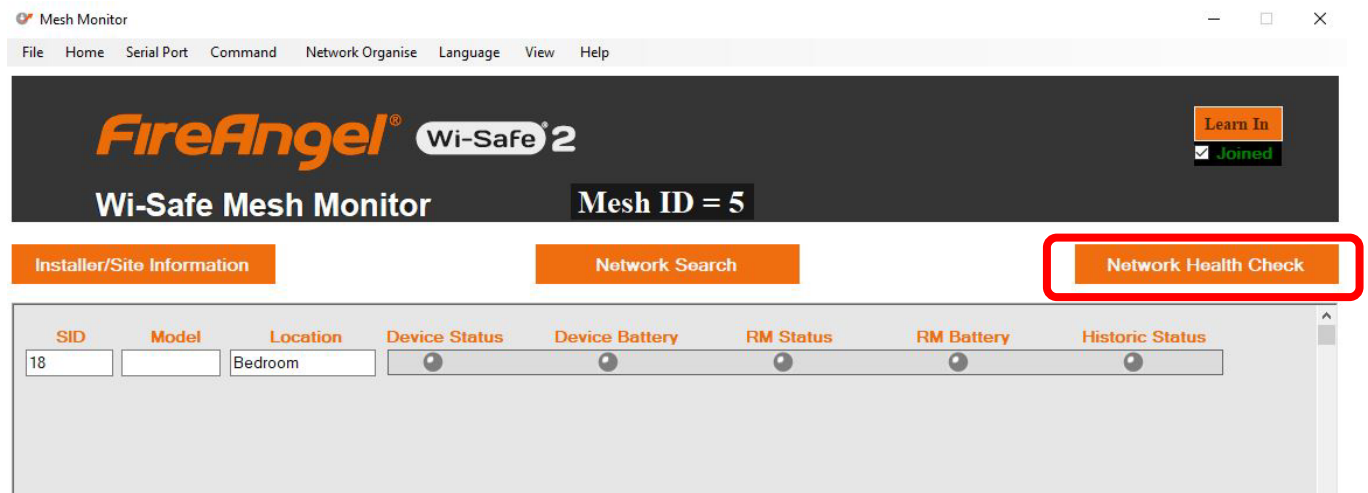
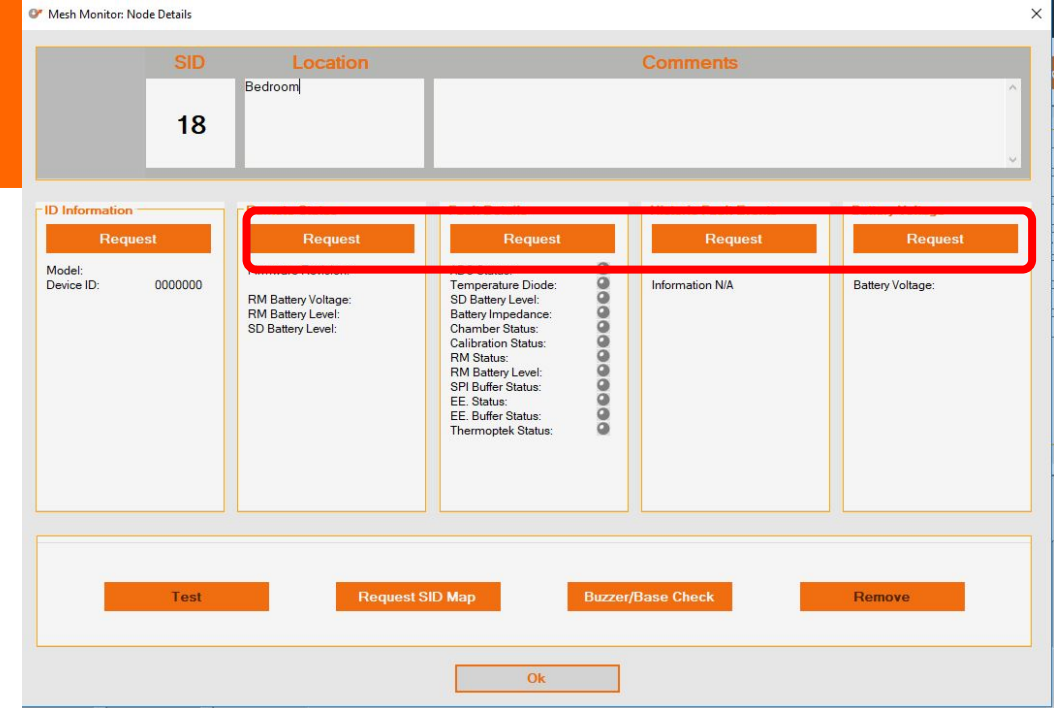




# Network Health Check

- Once in the network either of 2 options for checking status of units:
  - Check individual units
  - One click network health check
- Individual units would need to be checked for remote status / fault details etc. one by one
- One click network health check will initiate process in which mesh monitor will check health status for each unit automatically and reports if there is any existing fault
- Status will be displayed in easy to understand Green / Red LEDs

Mesh Monitor checks for current status for the alarm and reports to interface. It is unable to download historical diagnostic information. A diagnostic cable would be required to download all diagnostic information



# Network History / Report

- When any network health checks / check on the units are performed, interface records it in the history
- All the information is stored on the laptop linked with name of the site
- User can access all information for the network as PDF starting from installation date and capturing all subsequent visits, creating a comprehensive report

## Report 1: Generated at time of installation

### Installer Details:

Name: Gaurav  
Company: FireAngel  
Country: United Kingdom

### Site Details:

Name: House 1  
Address: XYZ Building  
City: Havixbeck  
Post Code: 40000  
Country: Germany

Installation Date: 31/08/2018

Number of units: 4

Type of units:

1 units - WETA-10X

### Location of units:

WETA-10X @ Kitchen  
WST-632 @ Living Room  
WST-632 @ Bedroom 2  
WST-632 @ Bedroom 1

Visit Date: 31.08.2018

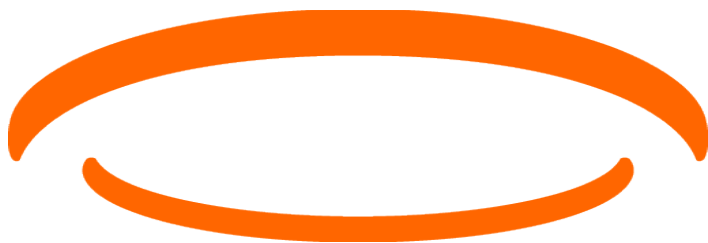
Network Check Done: False

Units Checked: 0

Faults Found: None

# Continued features from old interface

- Options available in “Read only mode”
  - Report Mesh Details – To display mesh details
  - Locate Faulty Node – To sound SOS signal in faulty devices
  - Check Missing Nodes – This command checks for non- responding nodes
  - Request Remote SID Map – Read individual node network map to check success of network reorganisation
  - W2-Firmware check – To check for version of Wi-Safe2
  - Start Chirp Monitor – This is a special command for the mesh monitor to sniff any other networks radio traffic or random interference
  - Reset Monitor – To reset mesh monitor without plugging out
- Options available in “Read/Write mode”
  - Installer can join the network with help of “learn in” button and perform required tasks on network amendment such as network reorganization to clean up the missing units from network



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