



FireAngel®



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Wi-Safe 2 Training Guide

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Introduction to Wi-Safe 2

What is Wi-Safe 2?



This intelligent technology enables wireless communication with any other Wi-Safe 2 product. When one alarm sounds, they all sound and up to 50 devices can be interlinked together. Each alarm communicates with others by frequently sending and receiving wireless signals, to continually monitor and communicate with the network. When any alarm detects smoke, heat, or carbon monoxide (CO), the wireless module inside sends a signal to all the connected alarms ensuring a fast reaction across the network.

The Wi-Safe 2 range of products are designed to provide an enhanced level of fire and carbon monoxide safety for high risk individuals such as the deaf, those with mild to moderate hearing loss, children and people under the influence of alcohol or drugs.

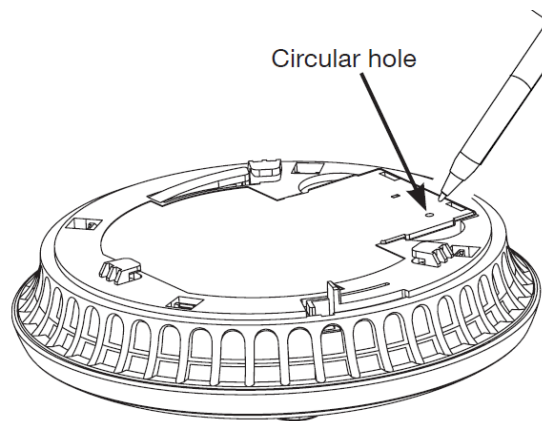
Wi-Safe 2 products can be linked together in a matter of seconds with a simple two button connection process. Wi-Safe 2 simplifies installation with no need for extra wiring, mess or fuss.

The intelligent locate feature means on activation, pressing the Test / Silence button on any alarm in the network will silence all but the initiating alarm which has sensed smoke, heat or carbon monoxide.

Interlinking Wi-Safe 2 Smoke, Heat and CO Alarms

The process below describes interlinking 2 alarms into a network. 'Alarm 1' and 'Alarm 2'. This process is the same for Smoke, Heat and Carbon Monoxide (CO) alarms.

1. **Alarm 1:** Alarm 1 will need to be attached to a base plate.
2. **Alarm 2:** Using a ball point pen or an opened-up paper clip, briefly push and release the learn button located on the back of the unit.



The red LED (located next to the learn in button) will flash briefly and then light up for approximately five seconds to show that it is ready to receive the 'learn in signal'

While the red LED light is illuminated, press the test button on **Alarm 1**.

Alarm 1 will emit an audible test sound consisting of 2 cycles of 3 loud beeps.

The red LED on the back of **Alarm 2** will flash to indicate that it has been learned in successfully.

If the process fails and you do not see the confirmation flashes on the back of **Alarm 2**, then it is very likely you haven't pressed the test button on **Alarm 1** quick enough, wait for a few seconds before trying again.

Top Tip: After pressing the learn in button on Alarm 2, as soon as you see the red light illuminate and remain solid – press the test button on Alarm 1. You need to aim to press the test button on Alarm 1 within five seconds for the process to be completed successfully.

3. Fit **Alarm 2** onto its base plate to complete the installation.

4. Press the test button on either **Alarm 1** or **Alarm 2**. If the interlinking process has been successful, both alarms should emit the test sound.

Additional alarms should be learned in the same way. When learning in additional units, any alarm already established on the network can be used as **Alarm 1**. This means that you can learn in any additional alarm to one which is already in the network. **You do not need to learn it into every unit.**

Wi-Safe 2 Carbon monoxide alarms do not require a base plate, simply remove the activation pins to turn the alarm on and follow the above process in the same way.

Introduction to FireAngel Strobe and Vibrating Pad unit

The Strobe and Vibrating Pad, when interlinked with Wi-Safe 2 smoke, heat and/or carbon monoxide (CO) alarms will provide warning of danger from smoke and/or carbon monoxide. In addition to the audible sound from your smoke, heat or CO alarm, the flashing Strobe and Vibrating Pad will be triggered to alert those who may not be able to hear the audible alarm. The flashing strobe provides a visual warning for waking hours, while the vibrating pad is designed to be placed under a pillow or a mattress and is suitable for waking an individual to alert them when an alarm sounds. If placed under a mattress, ensure the thickness of the mattress does not cushion the pad to the extent it cannot be felt adequately.



In the box:

Wi-Safe 2 Strobe and Vibrating Pad Pack contains:

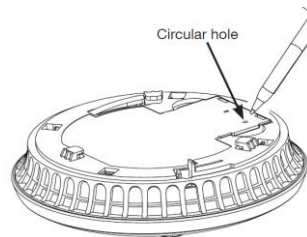
1. CP-STROBE - Strobe light with integrated control unit (referred to as "strobe")
2. CP-VPAD - Vibrating pad to be placed under pillow or chair (referred to as 'pad')
3. AD-DC12V05A - AC mains adaptor, 12V, 0.5A rated output
4. B-450L - Replaceable, rechargeable 5 year life battery
5. Wall fixing screws

NOTE: The Strobe and Vibrating Pad is only compatible with Wi-Safe 2 alarms

Creating a network with a Strobe and Vibrating Pad unit

Once you have connected the battery and plugged the Strobe and Vibrating pad into the mains supply, follow the below steps to create a network with Smoke, Heat or Carbon Monoxide alarms.

1. Check that you have a solid **Green** and a solid **Amber** LED light illuminated on the front of the unit.
If you do not see these lights, please refer to the section on **Troubleshooting**.
2. Ensure you have all the alarms with you that you wish to be part of the network. These alarms do not need to be on their base plates at this stage.
3. On the back of one of the alarms, locate the learn in button.



5. Using a ball point pen or an opened-up paper clip, briefly push and release the learn in button located on the back of the unit.
The red LED (located next to the learn in button) will flash briefly and then light up for approximately five seconds to show that it is ready to receive the 'learn in signal'
While the red LED light is illuminated, press the test button on the front of the vibrating pad and strobe unit.

Note: Press the test button **firmly** on the strobe unit. It needs to be pressed with enough force to activate the strobe light feature and the vibrating pad.

The red LED on the back of the alarm will flash to indicate that it has been learned in successfully.

If you do not see the confirmation flashes on the back of the alarm, then it is possible you haven't pressed the test button on strobe and vibrating pad unit quick enough, wait for a few seconds before trying again.

If the learn in process has been successful, the **amber** light will disappear from the front of the strobe unit.

Follow the same process for every additional alarm you wish to be on the network. Once you have learned in all your alarms; place them on their base plates and press the test button. Every alarm on the network should emit the test sound and they should also activate the vibrating pad and strobe unit.

Disabling the Vibrating Pad from the Strobe Function

To set up straight out of the box

1. Plug the strobe in but do not switch it on at the socket. Make sure that the battery is **disconnected** from the strobe unit.
2. Plug the power cord into the back of the strobe.
3. Press and hold the test button. Whilst doing so, switch the power on and continue to hold the test button. After about 5 seconds, the strobe will beep and both red LEDs will flash. You can now release the test button and connect the battery. At this stage you can learn-in the strobe into a network as normal. No fault conditions, indicated by a flashing amber LED, should be present even with the vibrating pad disconnected.

To remove the vibrating pad from an established network:

1. Switch the power off at the socket and disconnect the battery.
2. Disconnect the vibrating pad from the strobe unit.
3. Press and hold the test button of the strobe. Whilst doing so, switch the power on and continue to hold the test button. After about 5 seconds, the strobe will beep and both red LEDs will flash. You can now release the test button and connect the battery. No fault conditions, indicated by a flashing amber LED, should be present even with the vibrating pad disconnected.

PLEASE NOTE: The vibrating pad can be reconnected at any point and will operate correctly. If the vibrating pad is then removed the system will show a fault, indicated by a flashing amber LED once per second. If this occurs and you require the strobe to operate independently, please follow the steps above.

Troubleshooting: Wi-Safe 2 Strobe and Vibrating Pad

Before any troubleshooting, you must establish how many alarms are on the network.

If ALL the alarms are chirping:

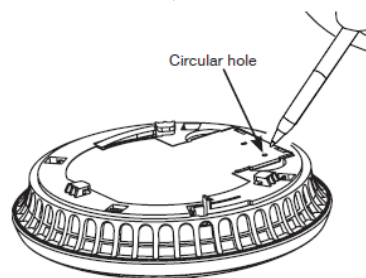
First, you need to identify the faulty alarm within a network. In order to do this, you need to confidently identify which unit is at fault and to eliminate further issues, every alarm on the network will need to be unlearnt and then put back onto their base plates. Once all alarms are on their base plates, they will be working as standalone alarms and only the faulty alarm will chirp. This will be the alarm that needs to be replaced.

See below instructions on how to unlearn Smoke, Heat and Carbon Monoxide units.

Wi-Safe 2 Unlearning:

Using a ball point pen in the circular 'learn-in' hole in the back of the alarm,

1. briefly **press and release and then press and hold** the 'learn-in' button. The red LED will remain illuminated during this process. Hold your pen in the learn in hole until the red LED light goes out.
2. The red LED will then go out,
3. release the button, it will then **flash twice, followed by three further rapid flashes** to illustrate that the alarm has successfully been 'un-learnt' from the network.



If you do not see the confirming process, do the unlearn process again doing the sequence quicker. If you are unsure if the unit is unlearnt, carry out the process again.

Top Tip: The press and release and then press and hold sequence requires speed. If you do not see the confirmation flashes, try again but speed up the pressing sequence.

If there is only 1 alarm chirping – or there is a unit with an amber fault light illuminating

Any Smoke/ Heat or CO alarm with an amber light illuminating is faulty. This will need to be replaced. However, all the **good** alarms in the network will need to be taken down and unlearnt from each other so they do not search for the faulty unit once it has been replaced. If this process is not followed there **WILL** be further issues as the alarms will drain their battery life as they continue to search for the missing unit within the network.



LED Indicators:

The Strobe and Vibrating pad unit will do different fault light flash sequences for different faults.

To be able to successfully identify what is causing the fault light to flash on the strobe and vibrating pad unit you must first identify the sequences of flashes.

Below is a table of all the possible fault light indicators, what they mean and how to rectify the issue:

Single Flash Every 5 Seconds	This fault sequence confirms the Strobe unit's back up battery needs to be replaced.
Flashing once per second	Ensure vibrating pad is plugged into the back of the strobe unit. Test the Strobe unit to see if the vibrating pad goes off. If the vibrating pad is working and the fault light is still flashing every second, perform a re-map (See re-map instructions)
Double Flash Every 5 seconds	Check Green power light is on. If it is not on ask customer to check unit is plugged into the mains power. If the unit is plugged into a socket and the green light is still not illuminated, try another plug socket. If the fault light still double flashes every 5 seconds a new mains adapter is required.
Flashing Rapidly (More than once a second)	Perform re-map (See re--map instructions). If the light is still flashing replace as it is unit fault.
Double Flash Every Second	Are any Smoke/ Heat or CO alarms chirping? If no alarms are chirping do a remap. If alarms are chirping, unlearn network, identify faulty unit and learn good alarms back in. Replace faulty alarm.
Solid Amber light	Strobe is not learnt in.

FAQs

<p>The Vibrating Pad does not vibrate when testing</p>	<p>Check the Vibrating Pad is correctly connected to the Strobe. If it is correctly connected and the Fault (amber) LED is flashing after 2 minutes, contact Technical Support on 0800 141 2561.</p>
<p>The Strobe is connected to the power supply but the Power (green) LED is not illuminated</p>	<p>Check the power supply is plugged in and switched on at a working power socket.</p>
<p>The fault (amber) LED flashes once every 5 seconds continuously</p>	<p>Urgently restore mains power to the strobe unit. If the strobe unit is plugged in to the mains supply and has been switched on for at least 72 hours, the battery may be faulty. Call Technical Support on 0800 141 2561.</p>
<p>The Power (green) LED is illuminated, and the Fault (amber) LED is also continuously lit</p>	<p>The strobe unit is not interlinked ("learned in") to the rest of the network. If you have learned in the unit, and this is happening regularly, call Technical Support on 0800 141 2561.</p>
<p>The Strobe and Vibrating Pad does not respond to a smoke or CO alarm that is being tested</p>	<p>Check that the alarm and the Strobe and Vibrating Pad have been interlinked ("learned in") correctly. Check that the units are in range, see "Positioning". If the Strobe and Vibrating Pad still fails to respond, call Technical Support on 0800 141 2561.</p>
<p>The Fault (amber) LED double flashes, rapidly</p>	<p>One or more alarms in the network are missing, faulty or disabled (removed from its base).</p>
<p>Unit chirps once per minute</p>	<p>Refer to product indicators for LED flash pattern. If in doubt contact Technical Support on 0800 141 2561.</p>

Performing a re-map on a Strobe and Vibrating Pad unit:

Occasionally, a fault light may appear on the strobe unit. If there is no obvious reason for this fault light to be on and you have checked the table on the previous page a re-map may be required.

Top Tip: A fault light may appear if the end-user has moved the Strobe and Pad from its original position. This occasionally occurs as the Strobe and Pad will map where the alarms are located, so if/when moved this sometimes causes the Strobe and Pad fault light (amber light) to double flash rapidly, due to the Strobe and Pad losing connection with alarm(s) within the network.

The re-map process is very simple and can usually fix a fault light with no obvious cause.

1. Turn off the mains power before you unplug the Strobe unit from the mains power at the wall. For safety reasons, we strongly recommended you turn off the mains power before you unplug any mains powered devices.
2. Disconnect the battery from the back of the unit.
3. Check all the lights are now off on the front of the unit – if there are any lights on, you have not disconnected the mains power or the battery correctly.
4. Leave the unit for 10 seconds so that it can release any residual power left.
5. Re-connect the battery into the back of the unit.
6. Plug the strobe unit back into the mains and turn power on.



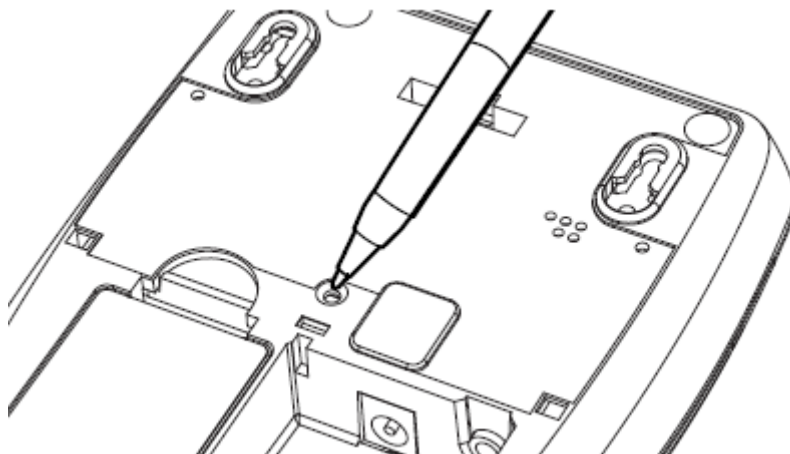
Unlearning Strobe and Vibrating Pad unit

The Process below describes how to unlearn a strobe unit from an existing network.

The steps are identical to those set out previously on unlearning Smoke, Heat and CO units.

Using a ball point pen in the circular 'learn-in' hole in the back of the alarm:

1. Briefly **press and release** and then **press and hold** the 'learn-in' button on the back of the strobe unit. The **Red** smoke and CO LED lights on the front of the strobe unit will remain illuminated during this process. Hold your pen in the learn in hole until the **Red** LED lights on the front of the unit go out.
2. The **Red** LED lights will then go out
3. Release the button, the smoke and CO lights on the front of the unit will then **flash twice, followed by three further rapid flashes** to illustrate that the alarm has successfully been 'un-learnt' from the network, you should also hear a double beep.
4. You can confirm the unlearn process has been successful if the **Amber** LED on the front of the strobe is illuminated steady.





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If you have any questions, please contact your account manager, Claire O'Meara, for further information.

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