# Problem and possible Solution

Wi-Fi-Dialler is a turn-key solution to legacy PSTN voice and text diallers that will stop working after the BT-Snip, this is happening now and will completed by 2025.

So, if your customers have a voice or text dialler, or a digital communicator, you as an installer have a duty to tell them it will stop working very soon.
or if your customer wants to upgrade from a bells-only alarm
this is a low cost to acquire and a subscription solution with the first years subscription is free
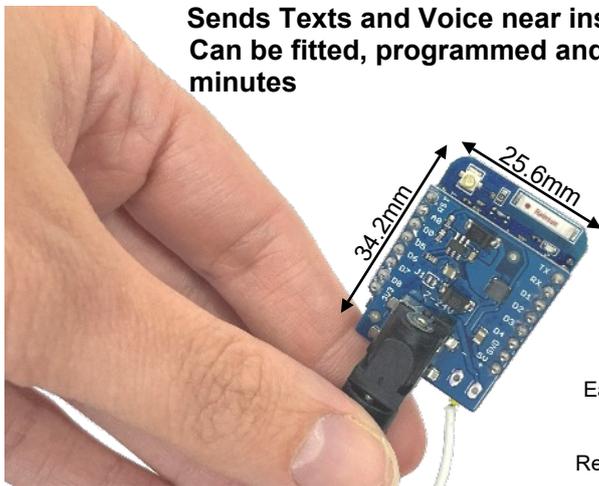
These devices will affected with the BT switch OFF,

Already started and to be completed by 2025

2025
PSTN
Fully Switched
Off
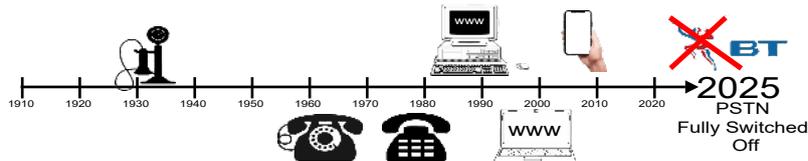
Sends Texts and Voice near instantly
Can be fitted, programmed and tested in minutes

25.6mm
34.2mm

Easiest and Fastest
Most powerful
Smallest
Replacement for pstn diallers

SUB-scriber Can inform the subscriber / householder that their alarm has activated or has been reset / restored

Key 1 **Key 2** **Key 3** On alarm activation
Will send a text containing
The address to all three
Key-holders simultaneously

Call 1 **Call 2** **Call 3** On alarm activation
Will send a voice message as
Above. Simultaneously.

Can send e-mails
In additional to texts

SUB-scriber Can inform the subscriber to renew their Subscription to either us or to the installer programmable

Dialler will automatically send subscription reminders and provides the Installers Tel No automatically

Benefits for the Installer
Worlds smallest sized Dialler 34.2mm by 25.6mm
Worlds easiest Dialler to program
Worlds fastest Dialler to test
Worlds fastest Dialler to communicate
Worlds first Dialler with a built in web-server
Worlds first Dialler to send subscription reminders
Potential for repeat revenue fully automated
Sends Text, Alarm, Address to 3 Key-holders
Voice Engine included to convert Text to Voice
Feedback LED indication 5s on 5s off = normal.
Heartbeat Monitoring every 24 Hrs
Wide input voltage 7-24Vdc
Industry Standard Negative trigger
Alarm and Restores are also communicated
Automatic subscription reminders
Installer can receive repeat revenue if required
Or the subscriber can pay us direct.
Can be fitted on the fly, offered on service visit and working within 10 minutes!

Benefits for the House-holder
Low cost of ownership first year subscription is free
Low Cost Pay as you Go, Easy in, easy out contract if your alarm is activated
This tiny device can _simultaneously_ send ;
4 Text messages to family, friends or security.
4 Voice calls using our text to voice engine
Send emails if required
Sends both Alarm and Restore notifications.

For more information call
0151 346 9999
www.wifi-dialler.com

Connection and Programming

1   Wiring Connections

Requires 12v DC power supply (typically drawn from alarm panel **aux + and -**).
The 2.1mm jack provided, centre positive jack plug connects to white stripe is positive
& the black cable is negative.
The solid white cable is the trigger wire and connects to the bell -ve
(usually marked as B on Optima / Accenta / Veritas / Premier etc)

Dialler Connections

Apple   Andriod   PC   MAC

Setup

2   Settings
Choose   Wifi

Wi-Fi

Power Jack

White core   sw-ve

3   Choose

MAS Alarm XXXX

4   Press ————→ | Configure Wi-Fi |

| Info |

| Exit |

5   Choose
Customers
Home Router ————→ **HOUSEHOLDERS SSID 95%** ←—— Signal Strength meter

Neighbour 1 SSID   59%

Neighbour 2 SSID   36%

Neighbour 3 SSID   23%

**6   This will be auto
inserted here**

SSID choice

7 Type in Wi-Fi Password ————→ Password for choice

**Bell
-ve**

8   Customers Email ————→ Customer Email   Optional

9   Installers Email ————→ Installer Email   Optional

10   House Number/Name ————→ House Name or Number

11   Address
Road and Town ————→ Road Name and Town
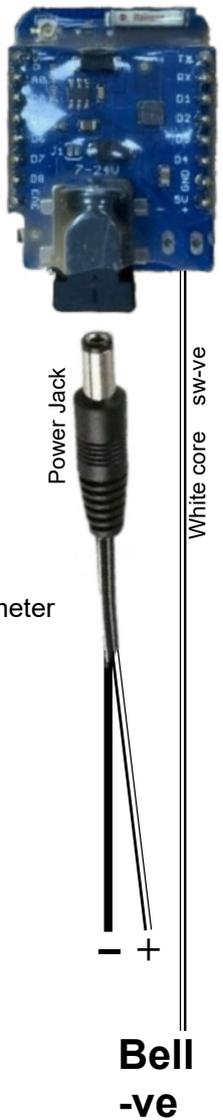
12   Post Code ————→ Postcode

13   Installer Tel No. ————→ Installer Number

14   Subscribers Number ————→ Subscriber Number   **Must be completed**

15   Enter Key-holders ————→ Keyholder Number 1
Up to 3 Mobile Numbers
(Must start with 07) ————→ Keyholder Number 2

Note 1   The dialler will contact the
subscriber in 50 weeks telling the subscriber
to contact the installer showing this phone
number.

————→ Keyholder Number 3

The installer can make recurring revenue if
they wish.

16   Don't forget to Save ————→ | Save |

| Refresh |

If the Installer doesn't wish this to happen,
leave it blank, if this is left blank it will
automatically be replaced with our number and
we will deal with the renewal.

For more information call
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www.wifi-dialler.com

Confirmation and Activations

Your have Successfully Registered as the **Subscriber** for this address

Your have Successfully Registered as the **Keyholder 1** for this address

Your have Successfully Registered as the **Keyholder 2** for this address

Your have Successfully Registered as the **Keyholder 3** for this address

17   Confirmation Texts are sent to The Subscriber and all Key-holders that have been added

The ALARM HAS BEEN ACTIVATED AT THIS ADDRESS

The ALARM HAS BEEN ACTIVATED AT THIS ADDRESS

The ALARM HAS BEEN ACTIVATED AT THIS ADDRESS

The ALARM HAS BEEN ACTIVATED AT THIS ADDRESS

18   If your Alarm is activated you will be sent as a Text and Voice to all parties, **Simultaneously**

The ALARM HAS BEEN RESTORED AT THIS ADDRESS

The ALARM HAS BEEN RESTORED AT THIS ADDRESS

The ALARM HAS BEEN RESTORED AT THIS ADDRESS

The ALARM HAS BEEN RESTORED AT THIS ADDRESS

19   If your Alarm is Restored will be sent as a Text and Voice to all parties, **Simultaneously**

Your Subscription Has Expired Please contact Your installer On 07123456789 To renew

20   The Subscriber will be reminded to contact the Installer at 50 weeks to renew the subscription together with the Installers Telephone number. On renewal a further 12 months will be added to the service.

FAQ Questions and Answers

QUESTION- COSTS, why is there an annual subscription charged to the subscriber?

ANSWER- With BT Switching off the PSTN network then our Severs require to pay for their connections, so like texts the subscriber costs have to be paid for, every alarm activation has a cost, we have set our subscripions to cover these costs with a small profit. However the cost of ownership is far less than an alarm installer purchasing a PSTN dialler and charging an installation fee which is usually £150 upwards.

QUESTION- What's to stop anyone technical from re-connecting to my Dialler and re-programming erroneous numbers to fool the Dialler.

ANSWER- Once the Dialler is programmed to your Router, the SSID (MAS ALARM XXXX). Is then hidden and not broad-casted any longer

**QUESTION-** What happens if I change my Router or sign up with a new WiFi provider?

ANSWER- If the dialler fails to detect the SSID that it was paired to. The dialler will re-advertise its SSID "MASXXXAlarm" so that the credentials for the new router can be entered.
The Dialler server will detect a non heartbeat connection and a text will be sent to the subscriber stating that the dialler is no longer connected.

QUESTION- What happens if the ADSL line is cut?

ANSWER- Firstly the kids will tell you within 20 seconds if the Internet goes down, plus we monitor your connection and we will text you if there is a problem.

QUESTION- How do I change a Key-holder or erroneous inputs?

Double Click ↓ to re-program
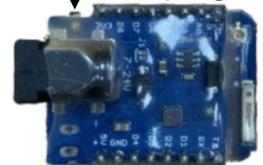
ANSWER- You will need to call your installer (chargeable) they will have to attend and double press (like a double mouse click) on the switch shown, The blue LED will flash like data transfer, this will allow the SSID to be re- broad cast thus allowing a smart device to edit the Key-holders details.

QUESTION- What **Alarm Grade** is this Dialler?

ANSWER- Well as we see it as a Grade 2x.
Grade 1 is for eg home DIY
Grade 2x is for eg Semi Detach with communication lower valuables
Grade 3 is for Large Home with knowledge and tools and valuable risks
Grade 4 is for Jewel shops and Banks.

We are not tested yet but we believe its **Grade 2X**
use common sense, don't use a single path communication for high grade risks !

Specification and Details

Voltage Input Vdd	7.5v DC - 24v DC
Current Q	Quiescent 30ma
Current A	In Alarm 100ma
Frequency	2.4Ghz (802.11/b/g/n. **not 5.8 Ghz**
Input (white fly lead)	Switch to 0v for alarm message, also sends a restore
Input note	Switch to negative to Alarm
CE	CE 0890
FCC	FCC-ID.2AHMR-ESP12S
Dimensions	34.2mm by 25.6mm
Max Text Messages	4
Max Emails	2
Max No Voice Messages (text to voice engine)	4
LED Indication	

LED Flashes per	**5 Seconds**	
1 Short flash per 5 seconds	▮	Normal operation connected to server
2 Short flashes per 5 seconds	▮ ▮	Sending payload, Activation / Restore
3 Short flashes per 5 Seconds	▮ ▮ ▮	Disconnected from WiFi (attempting to re-connect)
4 Short flashes per 5 Seconds	▮ ▮ ▮ ▮	Entered Wi-Fi Setup Manager
5 Short flashes per 5 Seconds	▮ ▮ ▮ ▮ ▮	Contract Expired
Slow Flash (5 flashes per sec		Device first booted, no user credentials
Medium Flash (10 flashes per sec		Downloading Update OTA (over the air update)
Rapid Flash (20 flashes per sec)		Clearing Wi-Fi credentials / changing user details
NOTE 1 When correctly programmed the diallers SSID is hidden and locked and cannot be re-programmed.		NOTE 2 To un-lock press the micro button on the side Twice leaving 1 second between presses The blue LED should flash 20 times per second. The SSID will then be available and the unit can be re-programmed

Changing your Router
If you need to change your Router, the dialler will need to be re-programmed with the new password as it will be different. If the Dialler cannot connect to your old router, it will re- transmit its SSID and allow you to connect to it with a smart-phone in order to allow the routers credentials to be entered.
If a key-holder needs changing or adding, see note 2.

Information required for programming	Details		
Subscribers TEL who pays the bills @£39 per year	Tel		
Key-holder 1 TEL who responds to alarm activations	Tel		
Key-holder 2 TEL	Tel		
Key-holder 3 TEL	Tel		
Alarm Installers TEL (optional)	Tel		
House Number or Name	No		
Road Name and Town			
Post Code			
Router WEP key / password (case sensitive)			