

# Problem and possible Solution

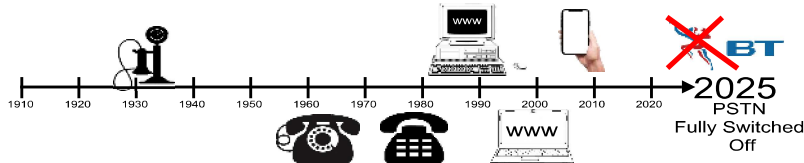
Wi-Fi-Dialler is a turn-key solution to legacy PSTN voice and text diallers that will stop working after the BT-Snip, this is happening now and will completed by 2025.

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

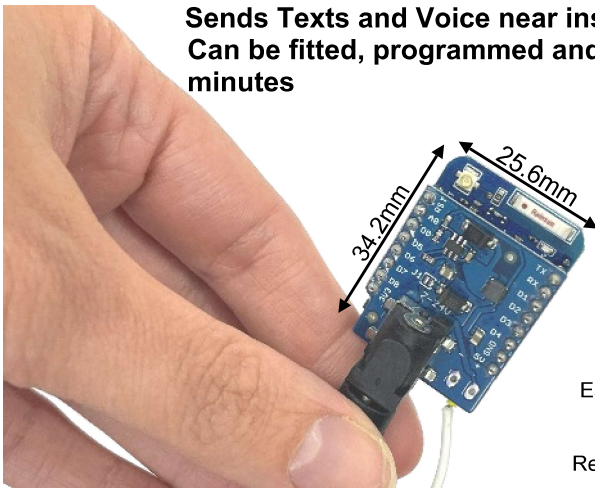
**These devices will affected with the BT switch OFF,**



**Already started and to be completed by 2025**



**Sends Texts and Voice near instantly  
 Can be fitted, programmed and tested in minutes**



**Easiest and Fastest  
 Most powerful  
 Smallest  
 Replacement for pstn diallers**



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



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



On alarm activation Will send a voice message as Above. Simultaneously.



Can send e-mails In additional to texts



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](http://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)

**2 Settings**  
Choose Wifi

**3 Choose**  
MAS Alarm XXXX

**4 Press** → **Configure Wi-Fi**

**5 Choose Customers Home Router** →

**6 This will be auto inserted here** →

**7 Type in Wi-Fi Password** →

**8 Customers Email** →

**9 Installers Email** →

**10 House Number/Name** →

**11 Address Road and Town** →

**12 Post Code** →

**13 Installer Tel No.** →

**14 Subscribers Number** →

**15 Enter Key-holders Up to 3 Mobile Numbers (Must start with 07)** →

**16 Don't forget to Save** →

**Dialler Connections**

Power Jack

White core sw-ve

Bell -ve

Apple Andriod PC MAC

**Setup**

Wi-Fi

Configure Wi-Fi

Info

Exit

HOUSEHOLDERS SSID 95% ← Signal Strength meter

Neighbour 1 SSID 59%

Neighbour 2 SSID 36%

Neighbour 3 SSID 23%

SSID choice

Password for choice

Customer Email

Installer Email

House Name or Number

Road Name and Town

Postcode

Installer Number

Subscriber Number

Keyholder Number 1

Keyholder Number 2

Keyholder Number 3

Save

Refresh

Optional

Optional

**Must be completed**

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

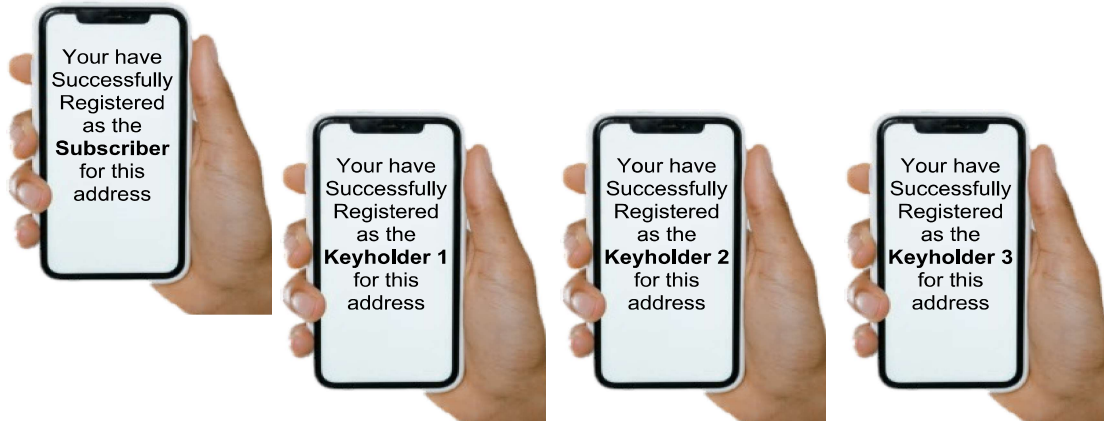
The installer can make recurring revenue if they wish.

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.

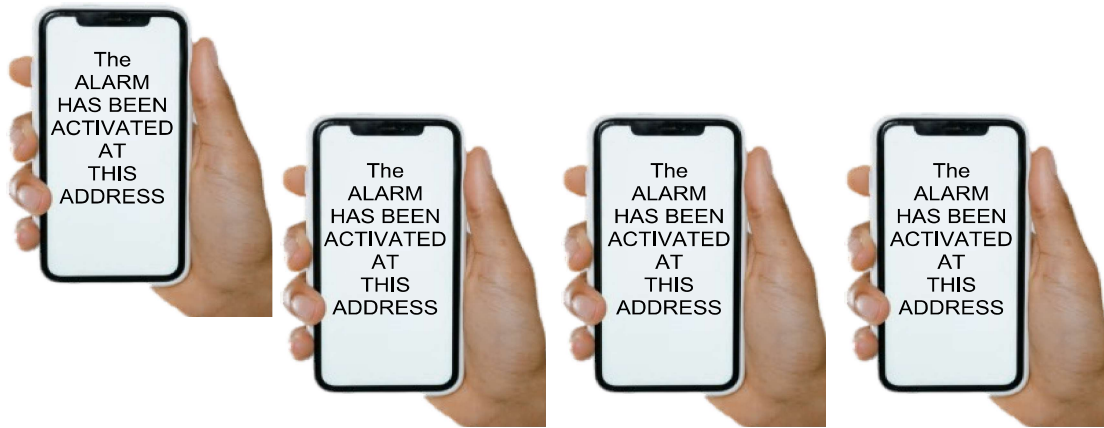


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# Confirmation and Activations



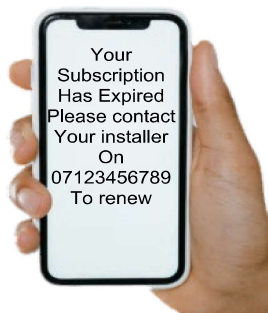
17 Confirmation Texts are sent to The Subscriber and all Key-holders that have been added



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



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



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 subscriptions 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?

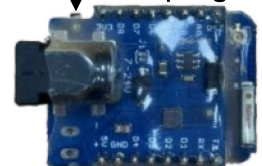
**ANSWER-** If the dialler fails to detect the SSID that it was paired to. The dialler will re-advertise its SSID "MASXXXAlarm" so that the credentials for the new router can be entered. The Dialler server will detect a non heartbeat connection and a text will be sent to the subscriber stating that the 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. <b>not 5.8 Ghz</b> )	
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	
<b>LED Indication</b>		
<b>LED Flashes per</b>	<b>5 Seconds</b>	
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)			