



Evacuator Synergy Text Master 2 Instructions

SYSTEM SET UP

Evacuator Synergy RF Alert System Specification and user operating instructions.

Thank you for choosing the Evacuator Synergy RF Wireless Alert system. In order for you to realise the full potential and reliability of this Category One Wireless system it is vitally important that you read this user manual in **full** before attempting to use the system. Failure to understand the correct installation method and functions of the system may lead to intermittent and unreliable connectivity.

We would be delighted to assist all Evacuator Alarm clients with free Telephone Support during office normal hours. For assistance please contact our Technical Support Team.

Specification Overview (All models)

Mains Powered GSM Dialler which enables users to receive alerts from their Evacuator Synergy System. Five Full alarm numbers can be specified and Five First Aid (If your system has the function). Reset command can be operated by any handset paired to the GSM Dialler. **Indoor Use only, Mains Powered Device**

Setting up your Synergy Wireless System

1. Each unit comprises of a front and back plate. These two halves must be separated in order to connect the battery to the PCB, and to mount your unit to a wall or post.
2. You will need to remove the single, M4 Phillips head (POZI) screw in the BOTTOM hole of the Red front mounted flasher/sounder. **TIP:** Pushing down with very light pressure onto the screwdriver as you are removing the screw will help you to separate both halves of the unit.
3. Now that both halves have been separated you can Drill out the four 6mm holes through the back plate (Drill points are indicated by moulded "pips on the back plate) Now mount the back plate to the wall or post using a suitable 6mm shank screw or bolt along with a 6mm ID/12mm OD flat washer between the screw head and the plastic moulding (These four washers are important and should not be omitted otherwise the screws or bolts could split the plastic back plate moulding).
4. NOTE: Before fixing into place be sure that the "TOP" on the reverse of the back plate is noted along with the orientation of the back plate. ONCE THE BACK PLATE IS MOUNTED TO THE WALL/POST DO NOT FIX THE FRONT COVER TO THE BACK PLATE UNTIL THE THREE DIALS ON THE PCB HAVE BEEN SET.

Device Numbering

IMPORTANT: Each device must have its own unique address. Failure to observe this will result in system failure. You can address up to mixed 40 Call points, Automatic Smoke Detectors, Text Masters, Relays or Base Stations (0 – 39) per Zone. Device 1-39 will be



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described as “**Slaves**” in this instruction manual. 0 Described as “**Master**”. It is also possible to expand your system with an **unlimited** number of Sounder /Strobe units subject to System design criteria. These units will be described as “**Drones**” in this instruction manual.

Master Unit (00)

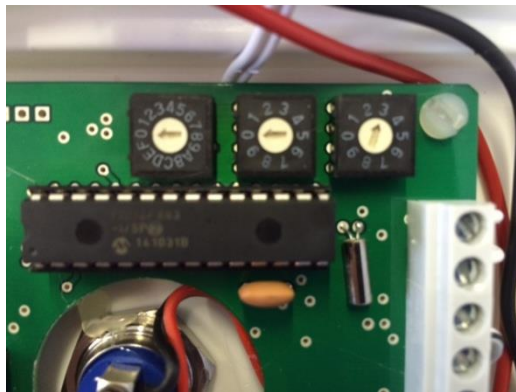
Each system must have its Master unit set first, this is done by setting Dial 2 to 0 and Dial 3 to 0. Your system can only have one Master Unit. To get maximum performance from your system you are best locate your master unit at the centre of the site. The master can either be a Call Point, Auto Detector or Sounder/Strobe.

Slave Units (1-39)

Slave units can be either a Call Point, Sounder/Strobe, Auto Detector, Text Master, Relay or Base Station. When numbering these devices we recommend numbering them in numerical order for testing.

Drones (40)

Only the Sounder/Strobe unit can be set as a drone unit. This is done by setting dial 2 to 4 and dial 3 to 0 making it device 40. We recommend a maximum of 2 per Slave unit in your system i.e. 20 slaves and 40 Drones.



As you can see above there are 3 dials, dial 1 on the left is **NOT** needed for device numbering. Dial 2 and 3 are used for your device numbering, as you can see dial 2 is set to 0 and dial 3 to number 3. This makes the device number 03. to set a device to number 20 for example dial 2 would be set to 2 and dial 3 set to 0.

Note: When setting the dials, please use the setting driver supplied

Zone Dial (Dial 1)

This dial is factory set to "0" and will not need to be changed unless you wish to separate a number of systems that will be operating within 2km of each other. This will be used for example if there are several contractors using the system on the same site or in the same area. It may also be beneficial to separate zones for floors on larger projects.



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Device Dials (Dial 2 and 3)

These dials are used to number the Devices as above. Dial 2 will only be used from 0-4, Dial 3 will use 0-9.

Note: Each system must have one Master Device (00), to obtain maximum performance we recommend the master is in the centre of the site. In order to identify the Device numbers we recommend using the Device number box located on the side of the stickers.

Fitting the Antenna

The antenna should now be fitted to the Silver TNC docking point located on the top of the front cover. The Antenna should be placed over the TNC connector and twisted in clockwise motion until it locates into place. Test that it has been located correctly by gently pulling on the Antenna in an outwards motion.

Connecting the Battery and Fitting Front cover

The battery should be secured onto the back plate with the industrial Velcro supplied. Also be sure that the black and red power leads are orientated to the right hand side of the moulding back plate facing up. Now connect the white (male) two way plug from the battery into the white (female) plug located on the inside of the front cover.

Once connected offer the front cover upto the wall mounted back plate making sure that the battery lead does not foul on the central screw boss of the back plate. Once connected you will notice that the LED on the front panel begins to flash.

When the front cover is located onto the back plate replace the M4 screw into the bottom of the Siren Flasher/Strobe hole and locate it into the threaded insert in the back plate. This can now be tightened down to pull the front cover flush to the back plate. **DO NOT OVERTIGHTEN OR USE A BATTERY OPERATED DRILL/SCREWDRIVER TO TIGHTEN THE SCREW AS THIS WILL RESULT IN PERMENANT DAMAGE TO THE FLASHER SOUNDER UNIT.**

Status LED

LED	Status
Red & Green alternate flashing	Power Up Sequence
Green Flashing (30 sec interval)	Standby
Blue Flashing (30 sec interval)	Standby Master Device (Set 00)
Red Blinking	Low Battery
Blue Solid	Test Mode
Red Solid	Reset Mode
White Flashing	Alarm Mode
Green Rapid Flashing	Out of Range
Red Rapid Flashing	Out of Range & Low Battery



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TEXT ALERT SETUP 2

Introduction

Having set up the units on the system – call points, smoke alarms etc. The Text alert adds a new dimension in that it can text alert staff on site and at night time and weekends if the site is unattended. You are able to program 5 people for fire alert and another 5 for first aid alert if your site has that facility. The numbers for first aid are independent of the fire alert ones or can of course be the same if programmed. The text alert unit is mains powered and should be used indoors only. The unit consists of two boards a radio board and a GSM board. It should be attached to an uninterruptable power supply to ensure operation in the event of power failure.

Getting started

- 1) Use the above general instructions to set up the radio board and set the address to between 1-39. Ensure that the zone address is set to the same as the rest of the system.
- 2) Already installed in the alerter is a giffgaff sim card which needs to be activated before you start. Look at the instructions on the giffgaff tab provided and activate the sim and receive the phone number from the website. Write the sim number on the front of the text alerter so that you and others know which number to text. <https://www.giffgaff.com/activate>
- 3) After activation allow an hour before returning to the unit.
- 4) Now power up the unit by plugging in the adaptor provided. **(Note – only use the power supply provided with the unit)**
- 5) The first check to make is to text the unit with the following 1234@gsm this should return with a signal strength such as GSM 14. The level should be between 13 to 30 and the higher the number the better the reception of the GSM signal. Below 13 try relocation of the unit to see if you can improve the reception.
- 6) The next step is to text 1234@con@ this will text you the current units on the system. See the key below programming instructions. This proves that the alerter is connected to your system correctly.
- 7) You are able to insert a site name into messages, change the password (that's the 1234 at the beginning of the messages), add numbers to text for fire alert , add numbers to text for first aid alert (if your system is enabled for it i.e. it has first aid buttons on call points) , turn off the alarm , set a site manager who will receive texts about the system. Follow the instructions in the programming table for details.
- 8) Special note – Site manager: the site manager can be set as a separate number from the alert numbers and they will get extra messages if a number is set. If the system is programmed to set battery low on (default is off) then the site manager will get a message if any of the units require a new battery. We highly recommend that this should be set to on.
- 9) Please read the notes below for programming and send text messages to the unit to match your requirement. Not all 5 alert numbers are required any number between 1-5.



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Programming

Command	Function	Description
1234@gsm	GSM strength	Send back gsm strength i.e GSM 14
1234@sitename@the site on the hill	Site name <SITENAME>	Sets the name of the site can have spaces in the name. Sends back : Site name set to – “the site on the hill”
1234@cp@1234567890	Change password	Default 1234 , can be up to 10 characters Sends back: Password changed to “1234567890”
1234@fire1@07768767987 1234@fire2@07768767987 1234@fire3@07768767987 1234@fire4@07768767987 1234@fire5@07768767987	Fire alert numbers	Numbers programmed to receive text in order to alert that alarm is active. Note it can be up to 5 so any not present would not send. Sends back : fire1 set to 07768767987 NB if user sends in 1234@fire1@0 Then the slot is cleared and no number listed
1234@fire?	Fire numbers set	Sends back : Fire1 – 07777xxxx Fire2 - Fire 3 - Fire 4 - Fire 5 - any numbers set are shown
1234@firstaid1@07768767987 1234@firstaid2@07768767987 1234@firstaid3@07768767987 1234@firstaid4@07768767987 1234@firstaid5@07768767987	First Aid Alert Numbers	Numbers programmed to receive text in order to alert that first aid is active. Note it can be up to 5 so any not present would not show. Sends back : fire1 set to 07768767987 NB if user sends in 1234@firstaid1@0



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		Then the slot is cleared and no number listed
1234@firstaid?	First aid numbers set	Sends back : Fiirstaid1 – 07777xxxx Firstaid2 - Firstaid3 - Firstaid 4 - Firstaid 5 - any numbers set are shown
1234@turnoffalarm@	Reset of alarm	Turns any alarm status including first aid calls off sends back “Alarm turned off by user x at timed at 13:00 12/1/2019” When the GSM board detects that the alarm state has gone away it sends a message to all users “Alarm reset complete at 13:00 12/1/2019 by user x” If site monitor set to on this messages also is sent to Admin1 phone number
1234@sitemanager@07768461350	Admin2 phone number	Admin2 phone number
1234@current@	Current status	Sends back status of system: fire numbers Xxx Xxx Xxx Xxx Xxx First aid numbers : Xxxx Xxx Xxx Xxx Xxxx Site name : Site name Sitemanager no:



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		07888666XXX
1234@NoofnodesAtZone@5	Setting the device count for the site. E.g command to the left is setting device count to 5	
1234@NoofnodesAtZone?	Reads back number of devices set	
1234@setbatlow@on	Battery Low monitor on	Number set to site manager receives battery low text messages
1234@setbatlow@off	Battery Low monitor off	This is the default setting.
1234@con@	Shows what is connected to the system	Replies with: PXXXBXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXX site name & zone. This indicates devices connected

Device Status

P = Unit Present

X = Unit not Present

B = Unit Battery Low

A = Unit in Alarm

T = Unit in Test

Note** Fire Text message will be repeated every 30 mins if multiple numbers are in the Fire field. If only one number is in it will repeat the message every 30 seconds until acknowledged.



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Final notes before use.

The Evacuator Synergy Category one Alert System has the flexibility to be utilised in a variety environments and is suitable for a variety applications. However, It is the responsibility of the user/s to determine the application and suitability of the products/s before use. Because we have no control over the systems use, installation or application, FMC Fire, Evacuator Alarms its agents, distributors or employees accept no liability for loss or damages to property or persons that may have been incurred by the use of this product.

We would therefore insist that a full risk assessment of the site and of the Synergy systems intended use is carried out before installation of the system.

If you are not completely convinced or satisfied that this product will meet your safety or alert requirements then the Synergy Wireless System should not be used and must be returned to your place of purchase immediately in its original packaging.

E&OE.

Evacuator 12 Month Limited Warranty

All products manufactured by FMC (Firstmark Consultancy Limited), carry a 12-month warranty. This is a return to base warranty which includes manufacturing faults and defects, but does NOT include accidental damage, neglect, inappropriate use, any modification, or failure to follow instruction as to the, Storage, Installation, Commissioning, use or Maintenance of the goods, or (if there are none) reasonable and sensible good trade practice.

Goods returned to base that are deemed to be faulty, will, at our discretion, either be replaced, credited or repaired

All goods supplied by FMC are intended to be supplied to and used by persons within trade and business ONLY, and therefore warranties are not transferable to members of the public.

