



SM-GSMdialer User's Manual

Quad-Band GSM Dialer (850/900/1800/1900MHz) with LED for Air-Alarm Series

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FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device should not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation. Operation of this equipment in a residential area is likely to cause interference in which case, the user at his or her own risk and expense will be required to correct the interference.

Warranty

SecurityMan Inc warrants that this product will be free from defects in title, materials and manufacturing workmanship for a period of one year or otherwise specified on the product packaging. This limited warranty shall commence from the date of purchase. SecurityMan products warranty is not transferable and is limited to the original purchaser. If the product is found to be defective then, as your sole remedy and as the manufacturer's only obligation, SecurityMan will repair or replace the product. This warranty shall not apply to products that have been subjected to abuse, misuse, abnormal electrical or environmental conditions, normal wear and tear, or any condition other than what can be considered normal use.

Warranty Disclaimers

SecurityMan Inc, makes no other warranties, express, implied or otherwise, regarding this product, and specifically disclaims any warranty for merchantability or fitness for a particular purpose. The exclusion of implied warranties is not permitted in some states and the exclusions specified herein may not apply to you. This warranty provides you with specific legal rights. There may be other rights that you have which vary from state to state.

Limitation of Liability

The liability of SecurityMan Inc, arising from this warranty and sale shall be limited to a refund of the purchase price. In no event shall SecurityMan be liable for costs of procurement of substitute products or services, or for any lost profits, or for any consequential, incidental, direct or indirect damages, however caused and on any theory of liability, arising from this warranty and sale. These limitations shall apply not withstanding any failure of essential purpose of any limited remedy.

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Introduction

Thank you for choosing SecurityMan products. The **SM-GSMdialer** is designed for the SecurityMan Air-Alarm (wireless alarm system) users who do not have a land line and still want to be alerted for any alarm event. The **SM-GSMdialer** is compatible with “Pay as you go” and Contract SIM cards (not included) from all the major mobile service providers. This allows you to choose between varieties of rate plans and also to select the network that provides the best coverage to the desired location, giving you the peace of mind that no matter what happens at a remote location, you will always know instantly. In addition to alarm notifications, it can also be connected to any phone hand-set and used for everyday incoming and outgoing phone usage.

Features

- Supports quad-band GSM SIM card with 850/900/1800/1900MHz frequencies
- Two Ni-MH 4.8v 600mAh rechargeable back up batteries (up to 4 hours standby)
- Four LED notifications: GSM signal, call pick-up, low power, and SIM problem
- GSM antenna with magnetic base and 9.5 ft cable (for accurate positioning)
- Cable management slots and GSM anchor guidance card for easy installation
- Two “telephone-out” ports (alarm host and telephone hand-set for regular call usage)
- Backup battery power ON/OFF switch

Important

This guide provides important information on the use and operation of your **SM-GSMdialer**. Please read all the information carefully prior to using the product for the best performance and to prevent any damage/injuries or misuse of the device(s). Customers are entitled to have read through this complete user's manual before using the **SM-GSMdialer**. Any unapproved changes or modifications will void your warranty. Please ensure to have a complete understanding of the following restrictions.

Restrictions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the product operating instructions. To reduce the risk of bodily injury, electric shock, fire and damage to the equipment, observe the following precautions.

- **DO NOT** places this product too close to medical equipments.
 1. Radio waves might potentially cause breakdown of medical electrical equipments and thus cause incidents.
 2. Place the product at least 22cm from the heart pacemaker.
Radio wave potentially influences heart pacemaker and thus leads to respiratory disturbance.
- **DO NOT** uses this product to monitor equipments or activities that are relevant to one's privacy. Monitoring one's private activities without consent is illegal and this product is not designed and manufactured for these purposes.

- **DO NOT** use this product to carry out any illegal activities. SecurityMan shall not be responsible for any consequences of illegal conducts made by users.
- **DO NOT** put the plastic package bags in reach of children or babies. Young children can choke on these items if they put them into their mouths.
- **DO NOT** plug the AC adapter into the outlet in improper situations.
 - Plugging in an AC adapter with wet hands might cause electric shock.
 - Plugging in the AC adapter unsteadily might cause fire or electric shock.
- **DO NOT** cover the AC adapter when it is connected to an outlet, place the adapter near heaters, or put it on the floor which is equipped with a heater. The above mentioned operation might cause fire or incidents.
- **DO NOT** use it aboard; please abide by the airway's provision. It might influence communication aboard and the flying apparatus if departing from the airway's regulation. This will result in accident, possible death and severe physical hurt.
- **DO NOT** disassemble or repair the dialer or any other relevant peripheral equipments on your own. Improper disassembly might cause damage to the product or the peripheral equipment.

Conditions

Please read the following messages to make sure your working environment is suitable.

- The temperature should be kept between: -10°C - 70°C , Humidity: 5% - 95%
- Avoid putting the product in places where temperature or humidity may change rapidly.
- Keep it dry, dustless and avoid lens exposure in direct sunlight.
- Keep product away from heat sources such as electric heaters.
- Do not place product near any strong magnetic objects
- Do not disassemble the product.
- Do not shake or strike the product.
- Please obey the local government's environment protection policy.

Package Contents



SM-GSMdialer



Antenna



1 x AC Adapter



1 x Phone Cable



Anchor Guidance



4x Dry Wall Screws



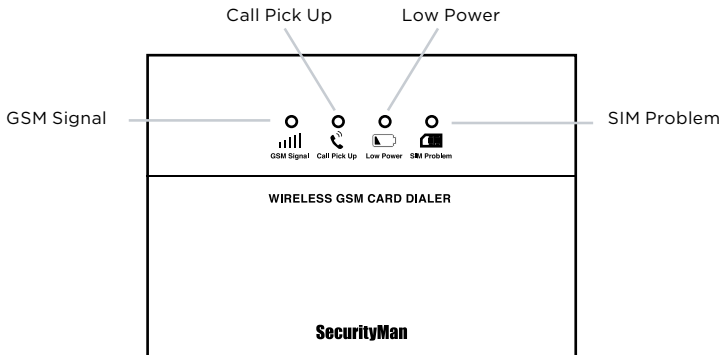
Antenna Bracket



User's Manual

Product Basics

Front Panel



GSM Signal

The red GSM Signal LED represents the signal between the dialer and the GSM network.

Fast Flash: GSM signal is weak, or the SIM card cannot be recognized.
Slow Flash: Normal working status.

Call Pick Up

- **Outgoing Calls:** The SM-GSMdialer will beep once and the "Call Pick Up" LED will stay on solid red whenever an outgoing call is being made, giving an audible and visual notification to anyone who walks by that the phone is in use.

- **Incoming Calls:** During an incoming call event, the SM-GSMdialer will click (relay sound) once for every ring and the "Call Pick Up" red LED will flash until the phone is answered or the call is no longer coming through.

Low Power

During power failure, the Low Power LED will stay "Solid Red" only when the batteries have less than 7V of charge remaining indicating that the internal backup batteries need to be charged. When the Low Power red LED comes on the GSM dialer will continue to functions normal for 20 minutes from the time the LED light comes on.

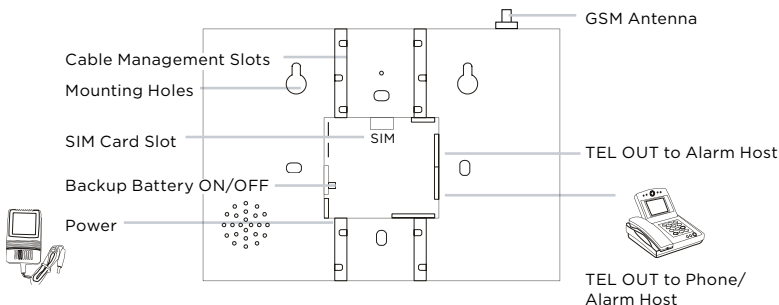
SIM Problem

The SIM Problem red LED stays ON only if there is no SIM card inserted into the SM-GSMdialer, inserted card is not active, or an error occurs during normal operation. If an error should occur during normal operation, please power cycle the unit by switching it to the off position and disconnecting it from the power outlet.

NOTE: Please contact your SIM card provider if the error persists.

IMPORTANT: The SIM problem LED will only go on when a SIM card has become deactivated (no service), so please make sure to check your balance frequently when using pay as you go/pre-paid services. Please keep in mind that the average grace period for none payment or zero balance deactivation is about 1 month and it's only at this point that the SIM problem LED will turn on.

Back Panel



Power

The Power socket is used to provide power to the SM-GSMdialer. Please insert the supplied AC Power adapter to the socket located below the backup battery on/off switch on the back of the GSM dialer.

Backup Battery ON/OFF

The Backup Battery ON/OFF switch is used to enable (ON) or disable (OFF) the SM-GSMdialer to run of the internal backup batteries in an event that the power should go out.

Mounting Holes

The mounting holes are used to mount the SM-GSMdialer to the wall.

NOTE: Please use the supplied “GSMdialer Anchor Guidance” card for accurate positioning.

Cable Management grooves

The cable management grooves are used to secure and hold the cables in place.

SIM Card Slot

Insert your pre-paid or contract SIM card into the SIM Card Slot (face up) with the gold contacts of the SIM card facing the metal contacts of your SM-GSMdialer.

GSM Antenna

The treaded insert located at the top of the SM-GSMdialer is where the supplied antenna must be screwed on to.

NOTE: Please extend the 9.5ft antenna cable when necessary to guarantee the best reception.

TEL OUT

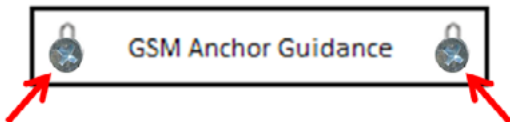
The SM-GSMdialer is equipped with 2 Tell OUT ports.

1. Connects directly to the TEL IN port of your SecurityMan Wireless Security systems host (SM-8088E/T).
2. Connects to a phone handset for normal phone usage (making or receiving calls) or to your SecurityMan Wireless Security systems host.

NOTE: The alarm host (SM-8088E/T) also has a TEL OUT port that can also be used to connect you phone handset.

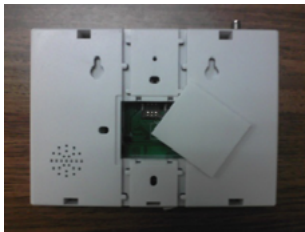
Installation

Prepare the location where you will be mounting the SM-GSMdialer by using the GSM anchor guidance card to pre-drill the mounting holes as shown below (use the green dry wall inserts when applicable).



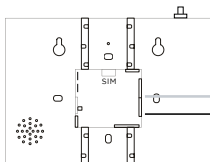
Remove the rectangular plastic cover located on the back side of the SM-GSMdialer and insert your pre-paid or contract SIM card (face up) into the SIM card slot as illustrated below.

NOTE: Please make sure you are using an active SIM card and that there is sufficient funds available (if using pay as you go/pre-paid services).

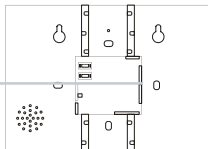


Connect your phone cables from the “TEL OUT” port to “TEL IN” port of your existing SecurtyMan Air-Alarm Host (SM-8088E/T). The second “TEL OUT” port is for another Air-Alarm Host or phone handset as shown below.

SM-GSMdialer Back Panel



Air-Alarm Back Panel

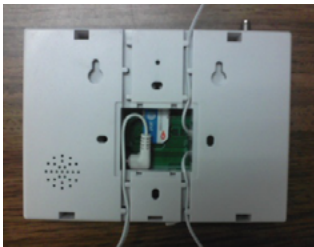


TEL OUT → TEL IN

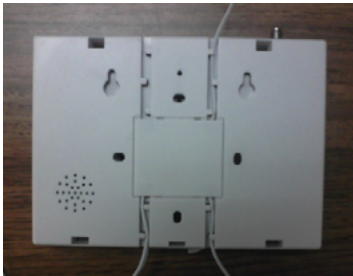
NOTE: Please make sure to run the excess cable through the cable management grooves so that the unit can sit flush on the wall when mounted. The Air-Alarm Host also has a “TELL OUT” port that can also be used to connect a telephone handset.



Move the Backup Battery on/off switch to the ON position located at the back of the GSM dialer. Then connect the provided power adapter to the Power socket of the GSM dialer and the other end into an electrical power outlet as illustrated below. Run any excess cables through the cable management grooves so that the unit can sit flush on the wall when mounted.



Secure the rectangular plastic cover (removed page 11) as illustrated below.



Match the SM-GSMdialer mounting holes over the two secured screws (page 11) and then push in to overlap and down to secure.



Thread the SMA antenna end of the antenna cable through the circular hole on the mounting bracket and let the antenna cable hangs down towards the GSM dialer as illustrated below.



Place the magnetic base of the antenna on the metal plate of the bracket to secure. Mount the antenna mounting bracket (included) to a desired location (preferred to mount higher up for best reception) using the two dry wall screws provided to secure the bracket in place as illustrated below. Please remember to align the antenna cable along the base opening cut of the antenna bracket before fastening the mounting screws.



Finally, twist in the SMA end of the antenna cable to the GSM dialer antenna threads to secure. Clamp or tied down any loose wires (ties/ clamp not included). as illustrated below.



NOTE: Please extend the 9.5ft antenna cable when necessary to guarantee the best reception. The antenna magnetic base cannot stand on its own, please attached the base to metallic materials or use the antenna mounting bracket included.

Programming

Ring Control:

Ring control is used to setup the number of rings the handset will ring for. GSM dialer allows two options for ring control. To setup the number of rings, please make sure that the handset is connected to the GSM dialer.

To setup 4 rings for voice mail, pick up the handset and press:

*** # 9999 3 0** [After pressing * # follow by a beep, input 9999 follow by a beep, input 3 follow by a beep, input 0 follow by a beep sound. If setup failed, it beeps twice and exit]

To setup 9 rings to by-pass the voice mail, pick up the handset and press:

*** # 9999 3 1** [After pressing * # follow by a beep, input 9999 follow by a beep, input 3 follow by a beep, input 1 follow by a beep sound. If setup failed, it beeps twice and exit. When setup to 9 rings, it allows the GSM dialer to delay the numbers of rings in order to remote ARM and remote DISARM of Alarm Host when using the dialer with the Air-Alarm Host series.]

IMPORTANT NOTICE: 9 rings is the GSM dialer system default setting intended for our Air-Alarm series integration to remote ARM and remote DISARM. When setup to 9 rings meaning the Air-Alarm series Host will pickup after 9 rings, you may encounter 1 regular ring tone and 8 pro-long ring tones to complete 9 rings overall, this is normal.

GSM dialer integrating with the Air-Alarm series

To Remote ARM:

After a 30-sec period of dialing in to the GSM dialer, there will be: a beep
> enter programming password of host (be sure to wait 3 seconds after

each digit password inputted) > beep > enter 1 > beep, and the host will then automatically hang up after the last beep to successfully complete the operation.

To Remote DISARM:

After a 30-sec period of dialing in to the GSM dialer, there will be: a beep > enter programming password of host (be sure to wait 3 seconds after each digit password inputted) > beep > enter 0 > beep, and the host will then automatically hang up after the last beep to successfully complete the operation.

NOTE: Please wait for a period of 3 seconds in between each button pressed to ARM and DISARM the Alarm Host.

Volume Control:

This feature allows you to set the volume level for incoming and outgoing calls. This is a 4 part command and requires a handset to complete. You will hear a single “beep” at the end of each successful command entry and a double “beep” if entered incorrectly.

- Pick up the handset and press:

* # 9999 2 X

[Enter 1 through 9 for “X” to set the desired volume level, system default is 8]

Operation

How to make a phone call

Pick up the phone and press the “TALK” button on the hand set, at this time the SM-GSMdialer will beep once and the “Call Pick Up” LED will stay on giving an audible and visual notification to anyone who walks by that the phone is in use. Input the phone number to be dialed and the SM-GSMdialer will begin to dial out 3-4 seconds after the last digit is pressed.

NOTE: The SM-GSMdialer starts to dial 3-4 seconds after the last number is pressed, so make sure not to pause for more than 3 seconds in between numbers when attempting to make a phone call. For 6.0GHz cordless phone users, the GSM dialer requires the SecurityMan Alarm Host series to be connected in order to operate the 6.0GHz cordless phone.

How to answer a call

Answer a call in the same manner that you would a normal land line phone. During an incoming call event, the SM-GSMdialer will click (relay sound) once for every ring and the “Call Pick Up” LED will flash until the phone is answered or the call is no longer coming through.

Air-Alarm host setup

Connect a phone line from one of the “TEL OUT” ports of the SM-GSMdialer to the “TEL IN” port of the alarm host.

NOTE: Remotely arming/disarming the host will require you to disable your SIM cards voice mail (if applicable). Please contact your carrier for information on how and if this can be done.

****Please refer to your Air-Alarm user’s manual for instructions on how to add phone numbers to the host or you can visit our website to download a digital copy of your Air-Alarm user’s manual by visiting our website at: http://www.securitymaninc.com/?page_id=625**

Specifications

GSM Frequency	850/900/1800/1900MHz
GSM Emitting power	2W
Static Current	<60mA (when not charging)
Power Supply	Input: AC 110-240V, Output: DC 12V 1.0A
Active Current	<350mA
Backup Battery	2 x 4.8V 600mAh (Ni-MH)
Standby time	4 hours (full load)
Full Charging Time	8 hours
Operation Condition	14°F - 158°F, Humidity: 5% - 95%
Telephone Port	2 TELL OUT

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