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# Medi Guardian MKII 4G



# USER MANUAL

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## Introduction

Your SmartLink Medi Guardian MKII 4G has been designed to provide you with the freedom and peace of mind in that, should you need assistance or HELP, it is available to you 24 hours a day with the simple press of a Button.

The modern slim line design of the SmartLink Medi Guardian MKII 4G allows it to be installed unobtrusively anywhere and is ready when you need help. HELP can be summoned by pressing a Button on your personal Pendant or Wristwatch, which you can wear both inside your home or outside in the garden, ready for any emergency, giving you the freedom you enjoy for total control at all times.

The SmartLink Medi Guardian MKII 4G has been built to the highest of technical standards for the protection of people and property and manufactured to Australian and International quality standards.

Your SmartLink Medi Guardian MKII 4G can be supplied with additional fixed or portable Radio Key Pendants, which can be worn or placed around the home as needed. Please contact your supplier for more information.

# Medi Guardian MKII 4G

**Plug Pack  
9V DC 300mA  
(Part No. 840-050)**



**Direct Serial DB9 Pin  
Programming Lead  
(Part No. 450-185)**



**Hardwired Inputs & Outputs  
Lead Assy 230mm 6 Way  
(Part No. 450-191)**

**Common - Black  
Input 1 - Red  
Input 2 - White  
Output 1 - Green  
Output 2 - Brown  
Output 3 - Blue**

**Rechargeable Battery  
4.8V Ni-MH 1600mAh  
(Part No. 142-031)**



**SIM Card**

**RS232 Programming**

**Aux Inputs/Outputs**



**Battery ON-OFF Switch**

**POWER 9VDC ONLY**

# Pendants and Detectors

Wrist/Neck Chain  
or Fixed Waterproof  
2 Way Pendants  
(106-183)



(915.8 to 927.2 MHz)

TWR Wall Mounted  
Wireless Call Point  
(100-841)



PSA Smoke Detector  
Interface TWR - 3 Wire  
(106-293)



PSA 240VAC  
Smoke Detector - 9V  
Lithium Rech/Battery  
LIF5800RL/2  
(100-014)



Neck Chain or  
Wristwatch Waterproof  
VIBRATING 2 Way Pendant

(106-223)



TWR LUX PIR with inbuilt  
LED Night Light (Inactivity)  
(2 x CR123A 3V Batteries)

(100-835)



TWR Wireless  
Smoke Detector  
(2 x CR123A 3V Batteries)

(100-838)



## Using Medi Guardian MKII 4G

### NORMAL OPERATION

Your Medi Guardian MKII 4G will normally look like this:



The MAINS ON Light & the CANCEL (GREEN) BUTTON should be ON.

# TO CALL FOR HELP

You can make your Medi Guardian MKII 4G Call for Help by either:



Pressing the HELP (RED) BUTTON on your Medi Guardian MKII

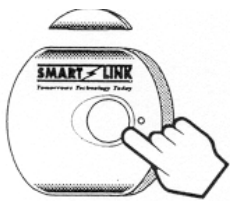
2



The HELP (RED) BUTTON will FLASH rapidly & Medi Guardian MKII will start beeping.

This is a Pre-Alarm warning, while this is sounding you can Cancel the Help alarm by pressing the CANCEL (GREEN) BUTTON on your Medi Guardian MKII.

1





**OR**  
Pressing the Large HELP (Panic) BUTTON on your Wristwatch/ Pendant for 2 Seconds.

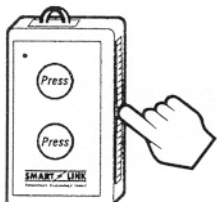
If the CANCEL (GREEN) BUTTON is not pressed within the pre-alarm time (10 seconds), then your Medi Guardian MKII will dial your Monitoring Centre .

3




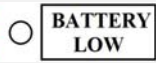



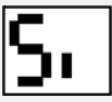




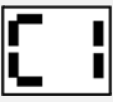
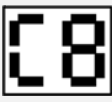










 to  is displayed.

When your Monitoring Centre has received the Help Call, your Medi Guardian MKII will beep 7 times to let you know that the Call has been received. The HELP (RED) BUTTON will now FLASH slowly every 4 seconds to indicate that your Medi Guardian MKII has Called for Help.



**OR**  
Pressing the front or Side Lever HELP (Panic) Button(s) on your Box Style Pendant for 2 Seconds.

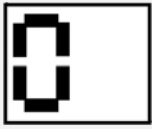
# Displays and Warnings

 	<p><b>MAINS ON Light Flashing</b></p>		
<p><b>AC Power Fail</b> – Check/Make sure that the MAINS Power Plug Pack is plugged in and turned ON at the Power Point.</p>			
	<p><b>Flashing &amp; BATTERY LOW Light Flashing</b></p>		
<p>Check/Make sure that the Battery Switch is turned ON underneath the Medi Guardian MKII.</p>			
<p>Contact your Installer/Monitoring Centre.</p>			
	<p><b>The Medi Guardian MKII failed to send an Alarm</b></p>		
<p>Check/Make sure that the Antenna/SIM Card is plugged in.</p>			
<p>Contact your Installer/Monitoring Centre.</p>			
<p>(The Medi Guardian MKII will also beep for 25 seconds).</p>			
	<p>or</p>		<p><b>“cF” CELLULAR has failed or “Si” SIM Card Missing/Removed</b></p>
<p>Check/Make sure that the Antenna/SIM Card is plugged in.</p>			
<p>Contact your Installer/Monitoring Centre.</p>			
<p>(The Medi Guardian MKII will also beep for 25 seconds).</p>			
	<p>or</p>		<p><b>is on the Display &amp; HELP RED Button Flashing</b></p>
<p>The HELP RED Button on the Medi Guardian MKII has been Pressed.</p>			
	<p>to</p>		<p><b>Flashing &amp; HELP RED Button Flashing</b></p>
<p>Pendants No. 1 to 8 has been Pressed.</p>			
	<p>to</p>		<p><b>Flashing &amp; HELP RED Button Flashing</b></p>
<p>Pendants No. 1 to 8 has been Pressed.</p>			
	<p>to</p>		<p><b>Flashing &amp; HELP RED Button Flashing</b></p>
<p>Pendants No. 1 to 8 has been Pressed.</p>			
	<p>to</p>		<p><b>Flashing &amp; HELP RED Button Flashing</b></p>
<p>Pendants No. 1 to 8 has been Pressed.</p>			
	<p>to</p>		<p><b>Flashing &amp; HELP RED Button Flashing</b></p>
<p>Detectors No. 1 to 8 Programmed as Fire “Fi” Option has been Activated.</p>			
	<p>to</p>		<p><b>is on the Display</b></p>
<p>Pendants No. 1 to 8 has detected a Low Battery.</p>			
<p>Contact your Installer/Monitoring Centre.</p>			
	<p>to</p>		<p><b>is on the Display</b></p>
<p>Detectors No. 1 to 8 has detected a Low Battery.</p>			
<p>Contact your Installer/Monitoring Centre.</p>			

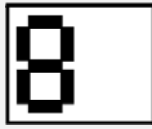


# Cellular Signal Quality

**To Check the Signal Quality/Strength: While the Medi Guardian MKII is in Normal/Operation Mode, Press the CANCEL Green Button and the Signal Strength Displays/Flashes for 2 Seconds.**



to



The Medi Guardian MKII Displays/Flashes the Signal Quality from 0 to 8

0 to 1 = Weak Signal

2 to 6 = Good Signal (Industry Average)

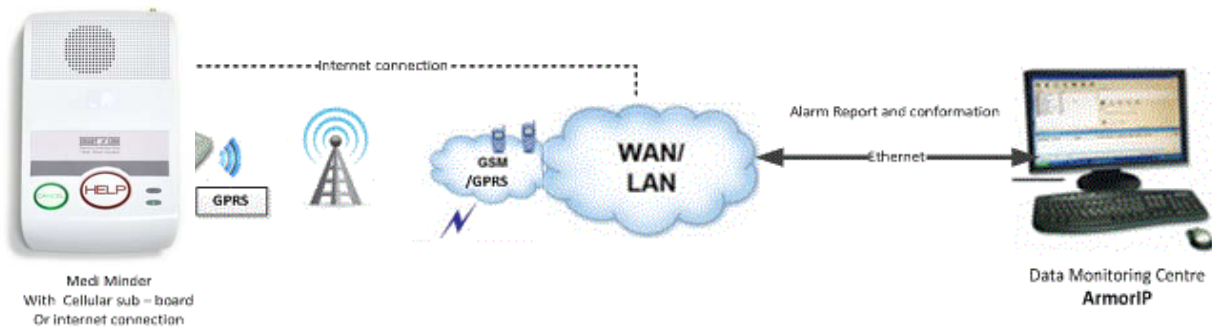
7 to 8 = Very Strong Signal

The 4G Unit Updates the Signal Quality/Strength Every Minute.

# Cellular UDP/Server

## Medi Guardian MKII 4G

Alarm report to ArmorIP via a Mobile Data Network and Internet



The Medi Guardian MKII 4G has an internal GPRS/GSM Module to perform Network Reporting.

This reporting is used to transmit alarm reporting messages from a subscriber's site to a Data Monitoring Centre via a mobile data network and internet.

The alarm reporting messages has packeted into ARMOR IP REPORTING PROTOCOL format, and use the UDP/IP internet protocol to transmit the alarm reporting message to a Data Monitoring Centre by specified Host/Server IP Address and Port Number.



[ntwl]

Network Initiating



[ntw0]

Network Opening



[prt0]

Port Opening



[cnct]

UDP Connection



[rpt]

Reporting



[rsp]

Acknowledge Response



[ntwC  
]

Closes a Port on the Cellular Network



[ntwc]

Closes Connection with the Cellular Network.

# Specifications

## Medi Guardian MKII 4G

- Dimensions L210 x W130 x D35 mm
- Weight 590gms (including battery)
- Quiescent Current 1mA
- 9V DC Plug Pack **9V DC 300mA with integral earth (Part No. 840-050)**
- Battery Backup **4.8V 1600mAh Rechargeable Ni-MH (Part No. 142-031)**
- 2 way Radio Receiver 2 way TWR
- Range 100 to 300 metres open air  
(Subject to environmental conditions)

## Transmitter

- Type Crystal stabilised
- Frequency 915-928 MHz (Australian & New Zealand)
- Power Output < 100 uW (Or various international compliances)

## Conforming Standards

- IS09001/2000 International Quality manufacturing Standards
- AS4607 Personal Response Systems
- AS2201.4 (C2) Intruder Alarm Systems - Wireless
- AS4268.2012 Radio Equipment & Antenna Systems – Short Range devices

## Medi Guardian MKII 4G Model New Features

- Programmable over internet data network as well as SMS & Computer direct connect
- Software & Firmware upgrades over the Cellular Network (Auto or manually)
- Will support LTE as well as 4G Data & 3G voice

**WARNING:** For safety reasons, only connect equipment with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.

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