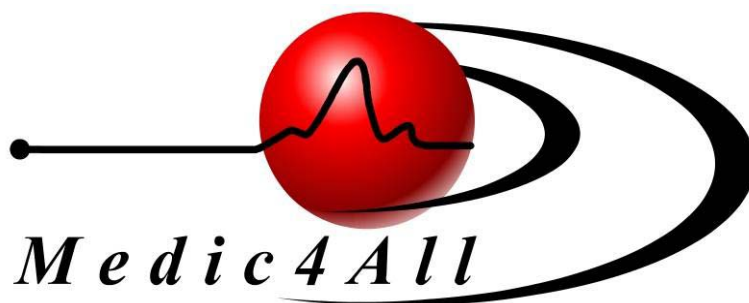


**FCC submission**

**Product Manual**



October 21, 2004

**Medic4All Ltd.  
POB 4222 Petach Tikva,  
Israel 49000**



## ***MedicGate™ - VMG 02***

### ***Vital Signs Monitoring PSTN Gateway***

### ***Operation Manual***



#### ***Overview***

The MedicGate™ is the home gateway for the Medic4All telemedicine system. The MedicGate™ collects and stores the measurement data from Medic4All's medical monitoring products via wireless communication and transfers the data to a medical monitoring center via telephone lines.

Establishing a telephone call can be done via the medical monitoring center; by the user pressing the MedicGate™ call button; generating a distress alarm from the MiniClinic™ or distress device.

During the call, the medical monitoring center operator can switch the call into data mode, read the measurements from the MedicGate™ and switch the call back to voice mode.

The MedicGate™ also enables the user to talk with the medical monitoring center operator via a built-in hands-free speakerphone or via the telephone connected to the unit.

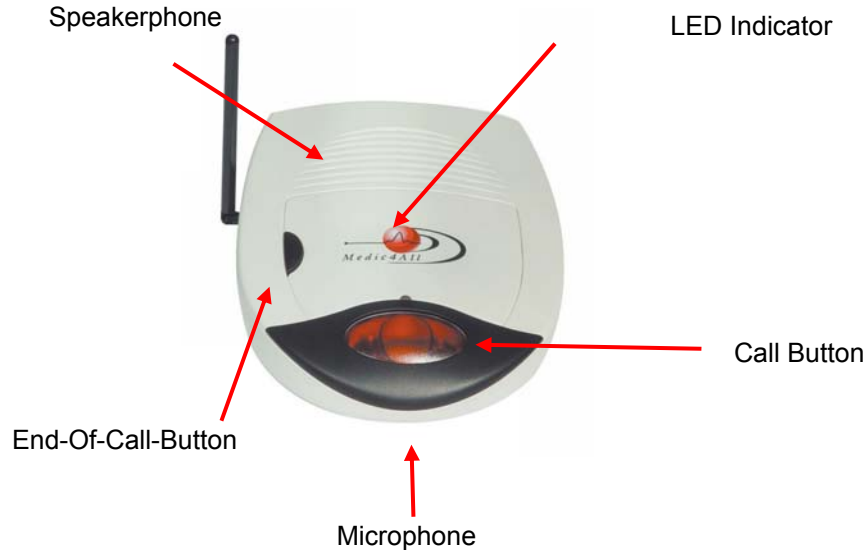
 Please read this booklet carefully in order to achieve best performance of this device



### ***Warnings & Precautions***

- ♦ Consult your local provider concerning any operational difficulties. Do not attempt to repair the MedicGate™ on your own. Any modifications made to the equipment void the device warranty and service contract obligations.
- ♦ Keep the MedicGate™ away from electro-magnetic emitting devices.
- ♦ Do not store the MedicGate™ in direct sunlight, at a high temperature, or in a location with excessive humidity.
- ♦ Avoid any mechanical shock to the MedicGate™ such as a harsh drop.

## ***Parts Identification***



## ***Telephone Call Originated From the Monitoring Center***

The medical monitoring center operator originates the call to the user home.

- ♦ Answer the telephone call from any telephone at home like any other telephone call.
- ♦ The medical monitoring center operator will instruct you to pick up the telephone connected to the MedicGate™ and hang up the other telephone
- ♦ The medical monitoring center will then activate the MedicGate™. The MedicGate™ blinking green LED will become solid green. Place the handset on its cradle in case you want to activate the hands-free speakerphone. Pick up the telephone in case you choose to talk through the handset.
- ♦ The medical monitoring center operator may instruct you to take one or more measurements
- ♦ The medical monitoring center operator can switch the call to data mode to read the measurements accumulated in the MedicGate™. The call is then switched back to voice mode to continue the conversation. The measurements are immediately analyzed by the medical monitoring center operator and stored in your medical file.
- ♦ The medical monitoring center operator normally ends the call. In case you want to terminate the call from your end, simply press the black End-Call button. The MedicGate™ green LED will blink slowly.

## ***Telephone Call Originated From the User***

In case you want to place a call to the medical monitoring center.

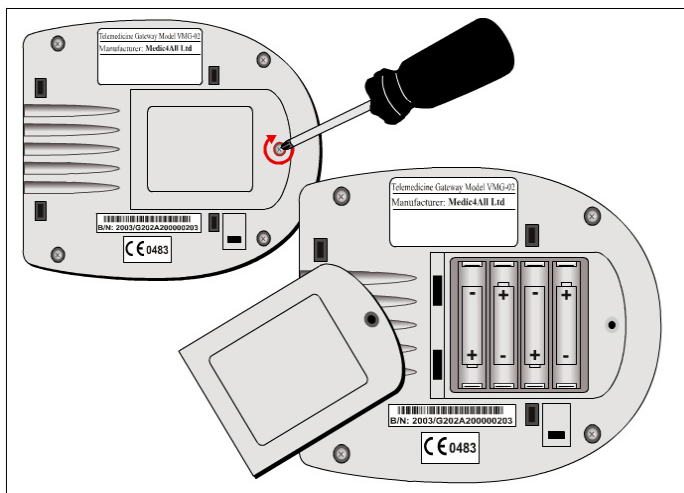
- ♦ Press the red Call button on the MedicGate™ or generate a distress alarm from the MiniClinic™.
- ♦ The MedicGate™ dials the medical monitoring center. The unit speakerphone will be activated and you will hear the progress of the telephone call. The MedicGate™ green LED will blink rapidly.
- ♦ In case the medical monitoring center is busy or does not answer the call at a given moment, the MedicGate™ will dial the medical monitoring telephone numbers several times, as configured by the medical monitoring center.
- ♦ When the call is answered you can talk with the medical monitoring center operator. The MedicGate™ LED will become solid green
- ♦ The call continues as described previously.

## ***Auto-Answering Incoming Call***

If during a distress call the call was disconnected, the MedicGate™ will automatically answer the call after 6 rings in the next 15 minutes and activate the hands-free speakerphone.

## ***Installing (or Replacing) the Batteries***

- ♦ Unscrew the battery compartment cover on the underside of the MedicGate™, as show below.



- ♦ Place four new batteries with the positive (+) and negative (-) properly aligned with the corresponding symbols in the battery compartment.
- ♦ Screw back the battery compartment cover on the underside of the MedicGate™.
- ♦ Please note that the batteries take 48 to fully recharge.

⚠ Improper installation of the batteries may cause battery leakage.

⚠ Do not mix used and new batteries, it may result in damage to the device or shorten battery life.

Use only batteries that match the requirements specified in the Specifications section.

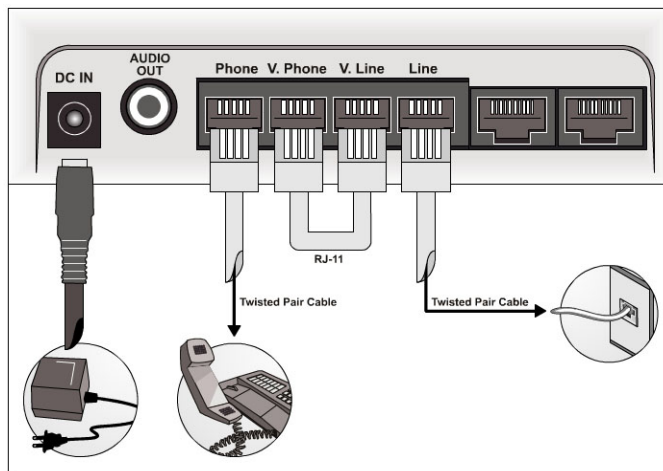
Please take the batteries out if the device is not used for a long period (app. 2 months or more)

Disposal of this product and used batteries should be carried out in accordance with the relevant national regulations.

### ***Connecting the MedicGate™***

In order for the gateway to become operational the following steps must be taken:

- ♦ Make sure the “short – circuit” cable is connected at the back of the gateway between the V.Line plug and the V.Phone plug.
- ♦ Connect a crossed telephone cable (RJ11 – BT Connector) from the wall jack into the Gateway Line plug.
- ♦ Connect a crossed external telephone cable (RJ11 - RJ11) from the telephone device line plug to the Gateway Phone plug.
- ♦ Connect the MedicGate™ to the power supply.



### ***Handling Fault Conditions***

- ♦ If configured to do so by the medical monitoring center the MedicGate™ can detect that the telephone line is not connected, the LED becomes red and the MedicGate™ beeps twice every 120 seconds. Please call the monitoring center and report this condition.
- ♦ If configured to do so by the medical monitoring center the MedicGate™ can beep after receiving a medical measurement.
- ♦ When the MedicGate™ is not connected to the power, for example during electricity outage, the MedicGate™ LED becomes blinking red to indicate this condition. Verify that the power adapter is connected properly.
- ♦ When the MedicGate™ is not connected to the power and the backup battery is almost out of charge, the LED becomes red. The MedicGate™ automatically reports this condition to the medical monitoring center.

### ***Specifications***

#### ***Environment***

Operating condition	+10°C to +40°C / 30% RH to 85% RH
Storage condition	-10°C to +55°C / 30% RH to 85% RH
Dimensions	Approx. 145[W] x 55[H] x 175 [D] mm
Weight	Approx. 45g, excluding batteries

#### ***Power Supply/bat***

Power	9V / 400 mA from regulated DC power supply
Backup batteries	4 x 1.2V 1800 mAH NiMH rechargeable batteries

#### ***Radio Frequency communication***

<i>Frequency</i>	433.92 MHz (EU) 866.3 MHz (EU) 915 MHz (USA)
<i>Max transmission power</i>	10 dbm (EIRP) at 433.92 MHz and 866.3 MHz. -1 dbm (EIRP) at 915 MHz
<i>Bandwidth</i>	60 kHz max.
<i>Transmission range</i>	200 m (free space)

Complies with the CE standard under the Euro Medical Device Directive.

#### FCC Part 15 Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communication Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the inference by one or more of the following measures:

- ♦ Reorient or relocate the receiving antenna.
- ♦ Increase the separation between the equipment and receiver.
- ♦ Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- ♦ Consult the dealer or an experienced radio/TV technician for help.

#### FCC Part 68 Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., RJ11C) in the packaging with each piece of approved terminal equipment.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible.



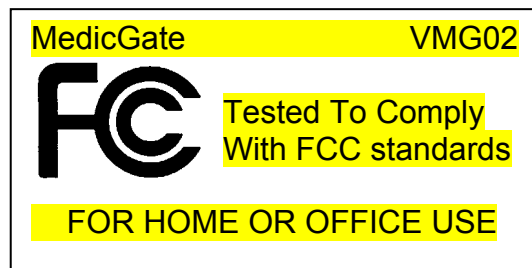
Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

NOTICE: If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from / these types of surges, a surge arrestor is recommended.

Should you experienced trouble with this equipment, please contact Medic4All at [info@medic4all.com](mailto:info@medic4all.com) for repair or warranty information. If the equipment is causing harm to the-telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.



Specifications are subject to change without prior notice.

Manufacturer: Medic4All, Israel

Email: [info@medic4all.com](mailto:info@medic4all.com)

[www.medic4all.com](http://www.medic4all.com)

***Local provider Details:***



### ***Contents***

1. 4 x 1.2V 1800 mAH NiMH rechargeable batteries
2. Power Supply
3. Operation Manual
4. 2 x A Telephone cable (RJ11 - RJ11)
5. Wall mount
6. MedicGate™

### ***Warranty***

This product is warranted against defects in material and workmanship beginning from the date of shipment for a period of one year (the “Term”).

Under the Term, the obligation of Telcomed Advanced Industries Ltd (the “Company”) will be limited to repair or replacement of the product (not including batteries, cables and spendable parts), according to the Company’s discretion. Such repair or replacement will be made only after the Company’s examination determines that said product is defective in material and/or workmanship.

This product warranty is void if the product has been repaired or altered in any way as to affect its use and operation as determined by the Company. This warranty is also void if the product has been subjected to abuse, misuse, negligence or accident.

No warranties, whether expressed or implied, shall exist beyond the Term.

Under no circumstances shall the Company be responsible for any loss of data or income or any special, incidental, consequential or indirect damages, arising from the product or its operation, howsoever caused.

Under no circumstances the Company will be liable for any claim arising from the product or its operation in excess of the total price paid for this product.

Ref: OM-108v1

Copyright© 2003-2004, Medic4All AG, all rights reserved. No part of this material may be copied in any form without the express written approval of Medic4All AG.