Nurse Call Mimic Monitor

Release: 2.00 – 03 December 2003

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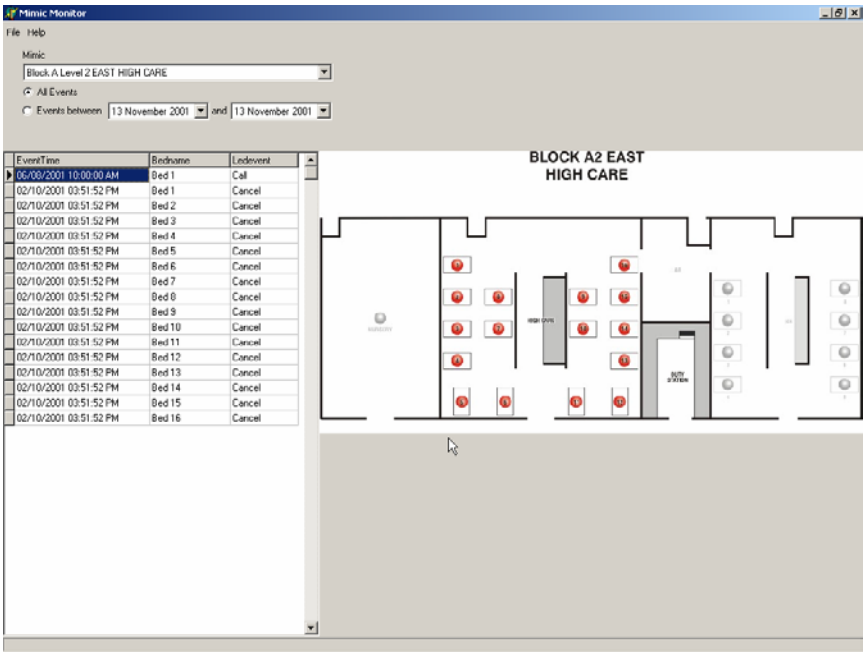


1 General Discription

The personal computer reads all the nurse call mimic panels and the events are logged to a database (mimic.mdb). The database information can be selected, view or printed.

2 Operation

- Switch the PC on. The user name is “administrator”. With no password.
- The program is setup to automatically start else Double click on the MLog icon (on the Desk top) to start the program. The program should never be stopped.
- Select the mimic panel you want to view. A layout of the mimic panel will be displayed.
- Select **‘All Events’** or **‘Events between (first date) and (second date)’**.
- If **All Events** are selected all the events for this Mimic Panel will be displayed. This could take some time as the list could be long.
- If **‘Events between (first date) and (second date)’** are selected valid events for the selected date and the selected Mimic Panel will be displayed.
- Once the operator has selected a valid list the list can be **Previewed** and **Printed.**

3 Software

3.1 Installation

3.1.1 Program

The program “MLog” must be copied to a directory called “**mimic**” off the route directory. (If the directory does not exist make a new directory.)

3.1.2 Graphics

The graphic layouts must be placed in a directory call “**graphics**” off the mimic directory. The mimic layout must be 180x93mm, 300dpi in jpeg format.

3.1.3 MLogEdit

This support program is only used during installation. The mimic file names and led bed names can be edited using MLogEdit. If there is a risk of pampering this program should be removed or deleted after installation.

3.2 Operation

3.2.1 File

3.2.2 Preview

Reports can be previewed, saved or loaded before printing.

3.2.3 Print

The report will print to the windows default printer.

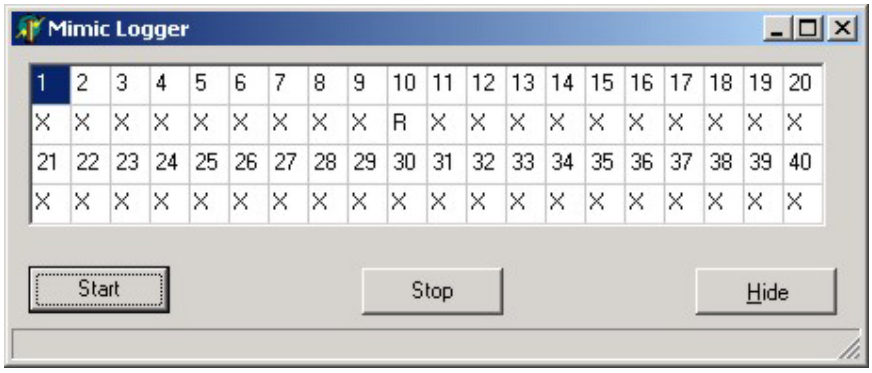
3.2.4 Exit

Exits program. **Never exit the program**. Mimic Panels will not be monitored. Program can be minimized.

3.3 Help

3.3.1 Monitor

The monitor must be running for events to be logged. It can be viewed anytime but must not be stopped. The green led on the mimic monitor pcb will flash if the software an the card is running.



- 1 – 40 indicates the Mimic monitor address.
- R – indicates the card is present and is been read at present. When the card is been read the red led on the card will flash.

3.3.2 About

Will show the software version number and build number.

3.3.3 Database setup

- Version 2 uses ADO and does not require the database to be set up.

3.4 Radio Buttons

- Mimic - Select mimic to be viewed.
- All Events - Shows all events for specified mimic.
- Events between date ranges - Selects date ranges.

4 Hardware configuration

- 1 x Personal computer (P3 500 MHz minimum with Windows 2000 operating system).
- 1 x RS232 to RS485 interface converter.
- 1 x Mimic Monitor Printed circuit boards (One per 16 mimic panel leds).
- 1 x MPS-244 Power supply

5 Mimic monitor boards

5.1 Operation

- Each board must have a unique address (1 – 48). All the boards are wired in parallel with twisted cable for the RS485. The twisted cable must have a 120E termination resistor at the end of the cable.. The maximum distance must not exceed 1200 meters.
- The RS485 to RS232 converter must be plugged into “COM 1” of the logging personal computer.
- LED1 (red) will flash each time the PCB receives communication. SW2 flashes LED1 (red).
- LED2 (green) will flash to indicate that there is power on the PCB and the processor is running.
- SW2 (test button) flashes LED1 (red) when pressed.

5.2 PCB Addressing

Address	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0
5	1	0	1	0	0	0	0	0
6	0	1	1	0	0	0	0	0
7	1	1	1	0	0	0	0	0
8	0	0	0	1	0	0	0	0

Address 0 is not used. Address 1-8 are indicated above. The addressing is in binary. The sequence is easy to follow.

5.3 Mimic panel wiring (monitoring points)

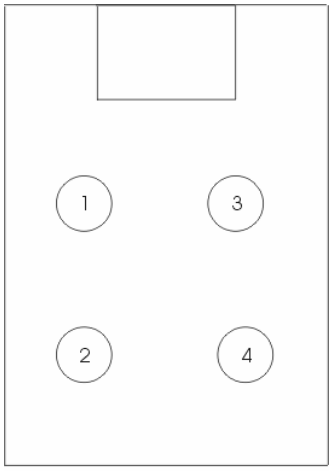
When activated these points will be pulled to ground (0V) else they will be at 24vdc.

J1-1 Led 1
J1-2 Led 2
J1-3 Led 3
J1-4 Led 4
J1-5 Led 5
J1-6 Led 6
J1-7 Led 7
J1-8 Led 8

J2-1 Led 9
J2-2 Led 10
J2-3 Led 11
J2-4 Led 12
J2-5 Led 13
J2-6 Led 14
J2-7 Led 15
J2-8 Led 16

J3-1	Ground	RJ11-1 black
J3-2	Positive 24vdc	RJ11-2 red
J3-3	RS485 (Ground)	
J3-4	RS485 (A)	RJ11-3 yellow
J3-5	RS485 (B)	RJ11-4 green

5.4 RJ 11 connections



1. Black
2. Red
3. Yellow
4. Green

6 Guarantee

Equipment is guaranteed by the manufacture for a period of six months from the date of delivery against faulty components and workmanship. ex Factory.

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