

MEDIVOX

Medical Alert Autodialer

Proudly Manufactured by
Arrowhead Alarm Products



User Guide

Proudly Designed and Manufactured in New Zealand



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Your "MEDIVOX" wireless medical communicator has been designed to be a reliable and user friendly device that enables you to summon assistance 24 hours a day at the press of a button.

The "MEDIVOX" is designed and built in New Zealand for local conditions.

In addition to the advanced design, only the highest quality components have been used in the production of this product to ensure the highest degree of reliability.

MECHANICAL LAYOUT

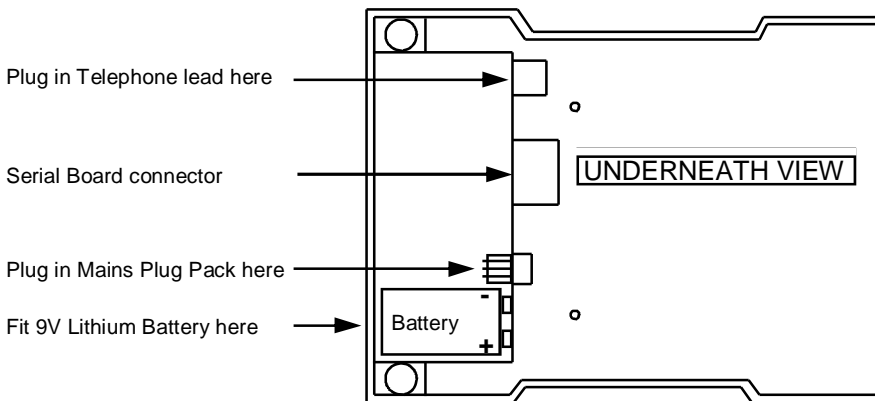


Figure 1

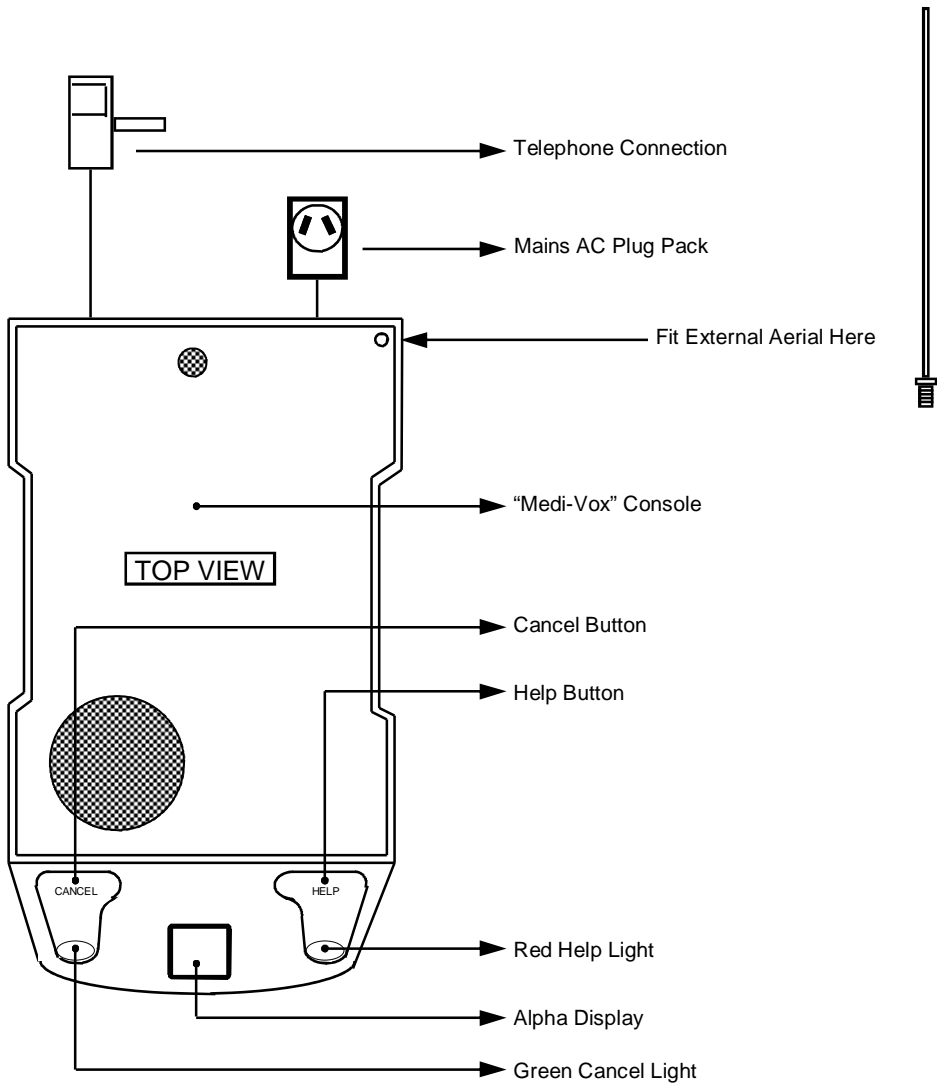
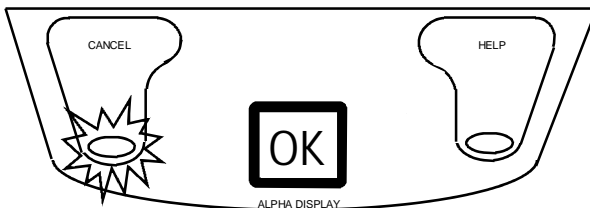


Figure 2

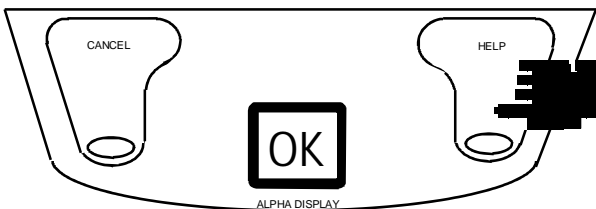
OPERATING YOUR MEDIVOX

NORMAL

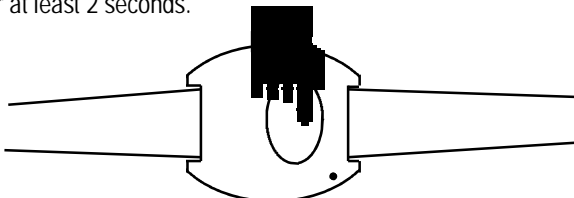


When the unit is plugged in to a power point and phone jack and the battery voltage is good, the Green "CANCEL" light will blink every 4 seconds and the Alpha Display will show "OK".

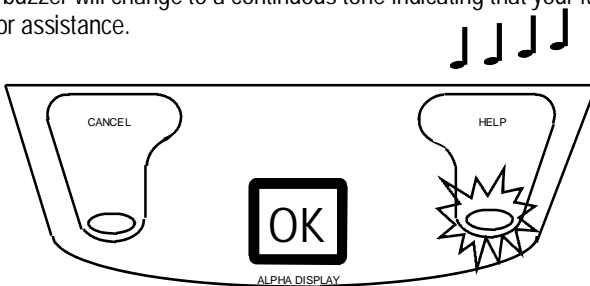
TO CALL FOR HELP



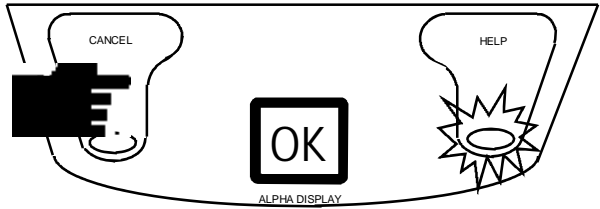
Press the RED help button on the "MEDIVOX" front panel. OR Press the button on your waterproof transmitter for at least 2 seconds.



The Green "CANCEL" light will stop flashing and the Red "HELP" light will flash rapidly. The internal buzzer will beep once per second for 15 seconds indicating that an alarm is pending. If the "CANCEL" button is pressed within the 15 second period, the alarm will be cancelled and the unit will return to normal state. If the alarm is not cancelled and the timer expires, the buzzer will change to a continuous tone indicating that your MEDIVOX is now dialing out for assistance.



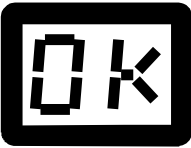
TO CANCEL ALARM



To Cancel an Alarm press the "Cancel" button for 2 seconds. The RED alarm LED will turn off and the Green LED will start to flash once every 4 seconds.

ALPHA DISPLAY INDICATIONS & WHAT THEY MEAN

NORMAL



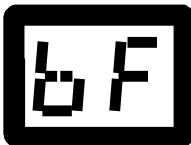
When the display shows "OK", this means there are no alarms and the mains and battery are good.

LINE FAILURE



If the unit detects that the telephone line is not operational, the display will show "LF" for line failure. When the line returns the display will go back to showing "OK".

SYSTEM BATTERY LOW

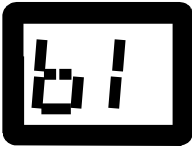


If the internal standby battery voltage is low the display will show "bF" for battery failure. The battery should be replaced with a new 9V lithium battery and then the display will go back to showing "OK".

ALPHA DISPLAY INDICATIONS

CONTINUED

PENDANT BATTERY LOW



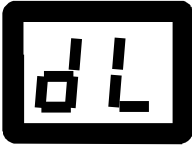
If a pendant has a low battery it will signal your MEDIVOX and the display will show “b” and the pendant number. After replacing the battery or pendant test by pressing the pendant button followed by the “Cancel” button to clear the display.

MAINS (AC) FAILURE



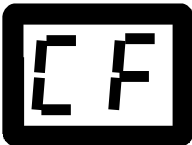
If the external Mains supply is off the display will show “AC” for mains failure. When the mains supply returns the display will go back to showing “OK”.

CALL IN PROGRESS



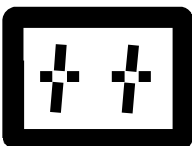
When the unit is making a call the “dL” display will appear. At this point any telephone plugged into the MEDIVOX telephone lead will be cutoff until the “dL” display has returned to “OK”.

CALL FAILURE



If the internal telephone dialler makes a call to the monitoring centre and the call does not go through for any reason the display will show “CF” for call failure. When the dialler makes a successful call the display will go back to “OK”.

MANUAL CALL ANSWER (Service tool)



If the user presses the “CANCEL” Button 5 times within a 10 second period the display will show “++” and the unit will answer the next in-coming after one ring.

Once the unit has answered the call the display will return to "OK". The "++" display will also show if the unit is set to answer the next incoming call in two way voice mode following an alarm. If fax defeat is turned on and the unit is ready to answer the next call on the first ring the "++" display will turn on. Pressing the "CANCEL" button will turn off the answer mode and return the unit to normal.

MEDICAL TIMER



Your MEDIVOX has 8 built-in medical timers. The timers could be used to remind you at a preset time each day to take medication. Your installer can program the time and the length of alarm. Your MEDIVOX can even be set to dial the call centre if the alarm is not cleared by pressing the green CANCEL button before the alarm buzzer times out. Display will go back to "OK".

OCCUPANCY ALARM



The unit can be programmed to monitor sensors that detect movement within the house. If no movement is detected within the preset period (typically 24 hours) an occupancy alarm will be generated (Inactivity). The alarm will be reported via the dialler and the display will show "OC". Any new movement detected by the sensors or pressing of the "CANCEL" button will clear the alarm. Alternatively the sensor can be programmed as a night time movement alarm (Activity sensor). The night time movement sensor is only active when Away mode is set. Any movement detected by the sensor during the night will sound the buzzer alerting someone to the activity. Pressing the Cancel button will reset the alarm and turn off Away mode.

AWAY MODE EXIT DELAY



Before fully going into Away Mode (see below) there is a programmable Exit Delay. The Exit Delay is designed to ignore any Activity or Dementia transmissions to prevent the Auto Cancel Feature from happening.

AWAY MODE



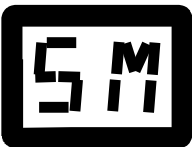
If the unit has a medical timer, activity sensor or Dementia Transmitter operating, these functions will cause an alarm to be sent if they expire. To prevent unwanted alarms when the occupant is away from home for any reason they can press the “AWAY” button which will halt the medical timer and the activity or Dementia Transmitter monitoring (the optional “Away” button transfer must be fitted to the main keypad to identify the Away button). On returning back home, pressing the “CANCEL” button will remove the away function and the medical timer, activity and Dementia Transmitter monitoring will return to normal. If an activity sensor or Dementia Transmitter are operating and a signal is received by the unit in Away mode (ie the owner returns home and walks in front of the activity sensor or their Dementia Transmitter signal is now within range of the unit again), Away mode will automatically be cancelled without having to press the cancel button. When “Away” mode is cancelled the display will show “OK”.

DEMENTIA ALARM



If the unit has a Dementia Transmitter operating and the Dementia Timer expires (ie no signals from the transmitter within the programmed time), a Dementia Alarm will be created. The display will show which pendant number is in alarm. In the example shown, pendant number 3 has created a Dementia Alarm (W = Wandering patient, 3 = Pendant 3). The alarm will clear as soon as the pendant reports in again (comes back

SMOKE ALARM



If the unit has a wireless smoke detector connected and the detector is triggered the display will show “SM”. The internal buzzer will also sound. To clear the alarm press the “Cancel” button.

SPECIFICATIONS

POWER:

240 Volts AC input, 15 Volts AC Output Plug Pack. Current: 300ma. (Thermal fuse protected).

MEDIVOX UNIT:

Standby Battery:	9 Volt Lithium Battery.
Quiescent Current during AC Fail:	15ma.
Battery Low Voltage:	7.1 Volts
Standby time on battery:	Typically 48 hours (2 days) on fully charged battery
Receiver Frequency:	Available in 303.825mhz .
Programming:	Discrete Membrane keypad accessible by removable keypad overlay.
Manual Alarm button:	Embossed Hi-sensitivity Red membrane button.
Manual Cancel button:	Embossed Hi-sensitivity Green membrane button.

TRANSMITTERS

Frequency:	Available in 303.825mhz.
Type:	A wide variety of waterproof transmitters are available.

UPLOAD/DOWNLOAD

Modem Connection:	Connection using either BELL103 or V21 formats
Direct Connection:	Via local plug-in Serial board Adaptor (RS232).

LOCAL DATA TRANSFER (DTU)

Local Programming:	Via pre-programmed DTU board using serial socket.
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EVENT MEMORY

Number of Events:	Will store 127 Events with time & date stamping
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Proudly Manufactured by
Arrowhead Alarm Products



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TELECOM NOTIFICATIONS

1-The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

2-This equipment shall not be set to make automatic calls to the Telecom '111' Emergency Service.

3-This equipment is set up to carry out test calls at pre-determined times. Such test calls will interrupt any other calls that may be set up on the line at the same time. The timing set for such test calls should be discussed with the installer.

4-The timing set for test calls from this equipment may be subject to 'drift'. If this proves to be inconvenient and your calls are interrupted, then the problem of timing should be discussed with the equipment installer. The matter should NOT be reported as a fault to Telecom Faults Service.

5-In the event of any problem with this device, the by-pass switch should be operated (remove telecom lead from wall socket). The user is to then arrange with the supplier of the device to make the necessary repairs.

6-Should the matter be reported to Telecom as a wiring fault, and the fault be proven to be due to this product, a call-out charge will be incurred.

7-This equipment should not be used under any circumstances which may constitute a nuisance to other telecom customers.

