

P137 & P138 Plesiocare Pager system

Supervisor Handbook



Models covered by this handbook

P 137AAA	Advanced 32 monitor Pager (legacy products): English
P 137AAB	Advanced 32 monitor Pager (legacy products): French
P 137BAA	Advanced 64 monitor Pager: English
P 137BAB	Advanced 64 monitor Pager: French
P 137BAC	Advanced 64 monitor Pager: German
P 137CAA	Advanced 8 monitor Pager: English
P 137CAB	Advanced 8 monitor Pager: French
P 137CAC	Advanced 8 monitor Pager: German
P 138AAA	Domestic 3 monitor Pager (legacy products): English
P 138AAB	Domestic 3 monitor Pager (legacy products): French
P 138BAA	Domestic 3 monitor Pager: English
P 138BAB	Domestic 3 monitor Pager: French
P 138BAC	Domestic 3 monitor Pager: German

One of a range of Alert-it Care Alarms available from:



UH1068A

Alert-it Care Alarms, Atherstone House, Merry Lees
Industrial Estate, LE9 9FE
0845 2179951, www.alert-it.co.uk, sales@alert-it.co.uk



This handbook is for the use of a manager who is responsible for care alarm system as a whole, rather than setting individual monitors

Overview

The Alert-it P137/8 Pager is a powerful system monitoring device for radio linked alarm systems. It can receive status transmissions from up to 64 alarm monitors (depending on model) and alerts the user should any enter an alarm condition. The alarms are classified into 4 levels and the alarm display is prioritized in terms of level and age.

In addition, any monitor can be deemed of high integrity, in which case the user is alerted if the radio link to that monitor fails. This is achieved by monitoring a heartbeat signal that is sent approximately every 8 seconds from such monitors. Lastly, any monitor can be additionally set to detect the transmitter moving outside a pre-defined geographical area. This is achieved by calibrating the minimum acceptable radio signal strength from the monitor, and if it falls below this value then the user is alerted.

For convenience to the user each monitor can be named to suit the application and each level of alarm plays a different "tune". The pager can also be used in discrete mode with a vibrator, as may be preferred for night use.

The P137 pager can send all alarm details to a computer using an optional USB interface (P146). This link also allows:

- all the user data to be saved and reloaded from a computer (eg for cloning replacement pagers) using P172C software
- triggering additional equipment such as telephone autodiallers or sirens.
- reading the P137 pager log of both the frequency of alarms from each monitor and the maximum time to service those alarms, using the P172B logging software. This provides essential metrics for any manager to demonstrate the level of response achieved.
- Real-time logging of alarms using the P172A software

The term NODE appears in the pager display and is reference in this manual. It is synonymous with monitor, referring to any device that can generate an alarm

Operation

Turn On

Press MENU for 3 seconds and the display should come on and show the PRODUCT name followed by 4 digits for the software Version/Issue and 4 digits for a special checksum that allows the manufacturer to offer unique installation codes. The normal code is **07A6**

First Time Operation

As shipped the pager will be in "Extended User Mode". The Supervisor can restrict the user functionality as well as use more advance features of the pager, especially concerned with the Configuration and Administration of systems and computer communications.

The Supervisor mode is enabled by entering a password when required within the menu structure.

If the pager has not been configured before delivery, then at the first time of using the EDIT/SET-UP menu the user will be prompted to start entering new monitor information manually. There are many alternatives to this for configuring a system, so for full details of System Configuration see handbook "*UH1068C P137 Configuration Manual*"

Unpaired Monitors

Normally a care home will have all monitors paired to the pagers used. However if this is not the case then any unpaired monitors will flash up the name "NEW!" followed by 4 characters which can be used to trace the source. To prevent a nuisance to the carers, then this display (ViewAll) can be turned off in the FUNCTION menu

Range Testing

It is essential to check that all the monitors are capable of reaching the pager with their radio. In health critical situations the Safelink radio should be operated in Failsafe (Securelink) mode. See the individual monitor instructions on how to enable this.

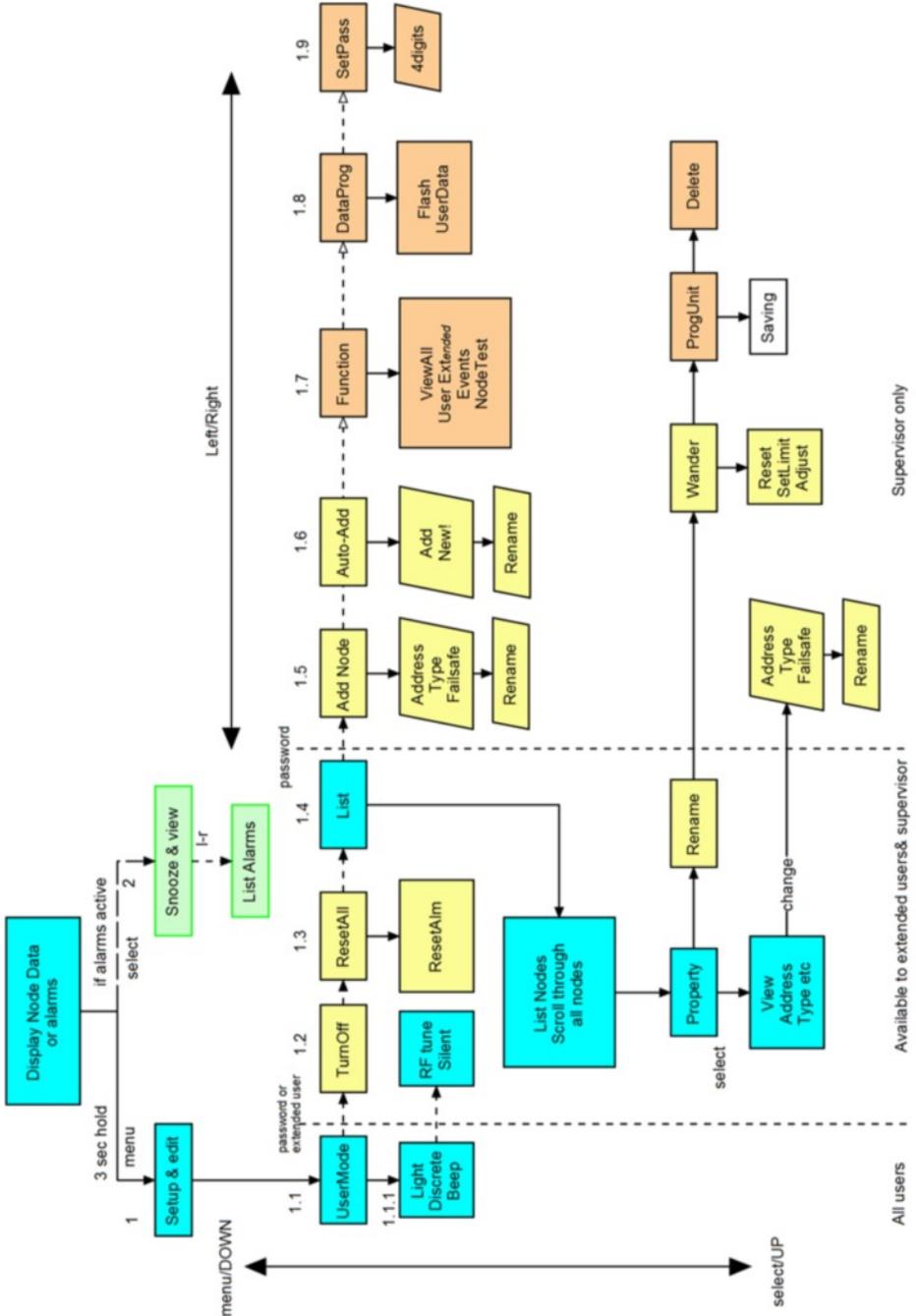
Turn Off

Press the MENU for 3 seconds until "Setup and Edit" is displayed, followed by "User Mode". Press the right key. If the Extended User mode is disabled then enter the password. The next menu item is Turn Off. Press the SELECT (up) button.. DO NOT REMOVE batteries to turn off the unit as this will eventually damage the battery contact

Backlight

The Backlight automatically illuminates for 15 seconds after an alarm is received and again for 15 seconds if any key is pressed. It is always enabled for menu modes.

Full Menu Structure



Details of Menu Features

Standby Operation			
1	Enter "Set-up & Edit"	After pressing MENU for 3 seconds	See next Main Menu table
2	Snooze & View	Press SElect to silence any alarm for 5 minutes	Left/right will now list all active alarms. MENU returns to standby
1. Main Menu			
1.1	USERmode	Changes main user operating features.	eg Light, Sound and Vibration See 1.21.1below
Password (bypassed for Extended Users)			
1.2	TurnOff	Turns off the pager	Restart be pressing MENU key 3 seconds
1.3	ResetAll	Resets all alarms	They will be reactivated if the node is still transmitting an alarm message
1.4	List	Lists all the nodes with access to a sub-menu of features	see 1.2.1. below
Password			
1.5	AddNode	Add a node manually (with address/type/failsafe/name)	Enter Address, Type, Failsafe on/off and rename
1.6	AutoAdd	Nodes are added automatically when a transmission is received	After each addition, edit node name and enable process for the next one
1.7	Function	Enables & Disables features	See 1.7.1 below
1.8	Data Programming	Enables the pager to be upgraded (Flash) or the node information to be overwritten (User Data)	used with the P146 USB Interface
1.9	Set Pass	Set Supervisor password	Default 1900 (see manufacturer for P138)
Sub menus from above main menu items follow			
1.1	User_mode sub-menu		
	Light	Turns backlight on/off	
	Discrete	Switches tunes & vibrate	
	Key beep	Silences the beep on key press	
Password (bypassed for Extended Users)			
	RF Tune	Enables tune for RF Fail Alarms	Useful to silence alarm if equipment node off
	Silent	Sound & Vibrate off	

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1.2	List	Scroll left & right through the list of nodes and press up to select one for detailed menu	
	Property Only supervisor can edit by entering password in main menu	Shows node address/type & status. Select No to manually edit values if allowed.	Also shows: W= Wander mode enabled F= Failsafe mode enabled
	Rename	The node name can be changed	
Password			
	Wander	The wander mode can be Reset (turned off), Automatically set Manually Adjusted.	See configuration manual for full details.
	Program Unit	Current node setting sent to a connected module to clone it.	Connect lead to transmitter module first. Press YES to complete action. If successful "SAVING" displayed and returns to LIST menu.
	Delete	Delete the current node	Confirm to activate delete
1.7	Function sub-menu		
	ViewAll	ON: Show transmissions, even if NOT registered to this pager	OFF: Show only registered monitors (ie NEW! Is suppressed)
	UserExt	Allow user extended functions	
	Events	When off some fault codes are hidden from the carer	These codes have special application in logging movement only
	Node test	Shows precise information about the node radio strength and frequency. The USB port also logs all the node packet details at each transmission.	For engineer use in system checking. Automatically reenables ViewAll. N.B. Alarms are NOT shown in this mode just the signal quality

Overview of Functionality

Basic User Mode

1. Listing all registered (or new) monitors. If a monitor is selected, then the basic user can only view (not edit) the monitor properties.
2. Setting the USERmode for such items such as playing tunes, key beep, vibrator on/off, backlight on/off
- 3 SNOOZE, which silences alarms for 5 minutes and shows all the active alarms in a list

Extended User Mode

The supervisor is able to allow the user a greater level of control (see?). In this case the basic user menu mode extends to cover

1. Turning the pager off
2. Resetting alarms manually (rather than only via resetting the transmitter).
Warning: If the alarm is reset manually then the statistics of time to respond is considered not valid for this alarm and the time value is not therefore stored.
Note: If the transmitter is not reset then the alarm maybe be re-transmitted every 8 seconds, which will re-activate any alarms.

Supervisor Functions

The supervisor mode is enabled by entering the correct 4 digit password when requested. The default password is 1900. This extends the menu to cover:

1. Adding monitors
2. Deleting monitors
3. Auto-registration of monitors
4. Enabling the extended user capability.
5. Setting the operating environment for the user
6. Enabling more advanced system monitor functions
7. Resetting the password
8. Programming monitors with monitor address/type
8. Enabling re-programming of the pager data or software from a computer

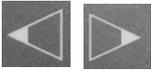
Node Property Edit

The Supervisor can adjust the Address/Type/Name and Failsafe Operation of each node from the LIST/PROPERTY menu, BUT the password must be entered in the first menu level first (ie after entering Setup&Edit scroll right until the PASSWORD is requested, now go back to LIST and edit if required).

Familiarise yourself with the basic editing/navigation process



Hold down 3 sec to enter Set-Up & Edit menus. Press to abort menus, one level at a time. Also used to scroll through numbers & letters if required.



Scroll back & forth though menus or select settings shown on the display above the key



Press to display list of active alarms. In menu mode also used to scroll through numbers & letters or select an option,

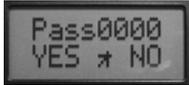
Example edit screens



Scroll through menu.& Select option. Menu drops back a level in the menu



Select/Menu scrolls the number/letter over cursor. Left key accepts the value, right key selects next



Next step will be to accept the value with left key, repeat entry with right key or abort the process with the Menu key



Left & right keys change the option. Select key to activate the selected option, menu key to abort leaving function unchanged

The following special Engineering Modes is available and will be used during telephone help if required

Node Test

In Node Test mode the lower half of the display shows, in numeric format, the radio data baud rate error and the signal strength.

Maintenance

Cleaning

The unit is sealed to level IP61 and can be cleaned according to our standard procedure

Technique B

Wiping with cotton wool pads moistened (compressed until dripping stops) with a mild detergent (0.5% washing up liquid) solution.

Battery Replacement:

The Pager is powered by two rechargeable NiMH AA cells 2300mAh or greater. These are charged in situ if:

A 9v adapter (1.3mm pin) is connected to the DC inlet socket

Or the unit is in the P146 USB Interface with a 12v adapter (2.1mm pin) connected.

With power applied the display will indicate “charger” in standby, instead of “battery” with two different icons for fast and standby charge. On fast charge the pager may feel warm to touch, which is normal.

DO NOT TURN OFF THE PAGER BY REMOVING THE BATTERIES AS THIS CAN DAMAGE THE CONNECTIONS.

If the care staff insist on doing this, then turning off the Extended User mode will not only prevent then turning the pager off, but also leave a “New Batt” message on the display if they remove the batteries. This is cleared by entering the password

DO NOT USE NON RECHARGEABLE BATTERIES AS THESE CAN EXPLODE IF THE CHARGER IS USED.

Accessory	Part No
Power Supply (9v)	P153
USB Docking Station	P146A
Power Supply for Docking Station	P171
Real Time Logging Software	P172A
Internal Log Reader Software	P172B
Configuration Editor Software	P172C
Spare Batteries (Pack of 2)	P160C

Safety Instructions and Warnings



This symbol indicates there are warnings and precautions associated with the use of this equipment that should be carefully read and understood before using the equipment

1. Ensure the power cable is routed to avoid a trip hazard
2. Regularly check the power supplies for damage and potential shock risks
3. Clean and disinfect each item regularly in accordance with information herein
4. Ensure, by testing, that the alarm is annunciated at the carer's location(s)
5. Operate power supply and charge pager away from direct heat and uncovered.
6. As with all medical electronic equipment there is potential for the equipment to interfere with or be effected by interference from other electrical or electronic devices. For this reason avoid placing the monitor, sensor or connecting cable in close proximity to sensitive electronic devices or devices which produce strong electromagnetic fields such as radio transmitters, mobile phones or power cables.
7. Only use the monitor with accessories approved for use with this product and only in accordance with instructions.
8. If the equipment is modified in any way, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.
9. The carer must conduct a risk assessment to determine if the level of reliability offered by the monitor is sufficient or if additional monitoring is needed. Contact the manufacturer for assistance with Risk Evaluation Tools.
10. Some accessories are fitted with small screws and have plastic bags. Ensure these do not come into the possession of vulnerable patients who might choke on them
11. The monitor and all accessories are designed to operate indoors in a residential environment of 10°C to 30°C and 90%RH max.



None of the components, including batteries, should be disposed of as Domestic Waste. Contact iTs Designs for end-of-life information

This system is certified to the following European Standards

73/23/EEC	Low Voltage Safety Directive
89/336/EEC	Radio Interference Immunity
EN 300 220-1 V2.1.1 (2006-04)	Permitted radio transmission
EN 50081-1:1992	Domestic Radio Emissions
EN 50082-1:1995	Industrial Radio Immunity
EN12182	Assistive Technology
Also complies with	
2002/95/ECRoHS	Permitted Materials

Additional Documents

P137 User Manual	UH1068B
P137 Configuration Manual	UH1068C
P137 Programming Manual	UH1068D
What is Safelink?	UT1051
You tube Instruction Videos Index	UT1198

Support

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...using technology to care for carers