STANLEY®
Security

Intrinsically Safe Units.

Aquarius/Gemini Pagers/Mobiles (IPG1 and IPG3)

User Guide

PERFORMANCE IN ACTION ™

INTRINSICALLY SAFE PAGERS AND MOBILES

LIMITATIONS OF USE

This page contains ATEX related information. No alterations are permitted without reference to the ATEX liaison officer.

THE IPG SERIES OF PAGERS AND MOBILES ARE INTRINSICALLY SAFE AND MUST NOT BE MODIFIED WITHOUT PRIOR PERMISSION FROM THE CERTIFYING BODY.

EC–Type Examination Certificate Number   BAS07ATEX0286X, Ex II 1G, Ex ia IIC T4

Classification   Category 1

Rating   ia, zone 0

Temperature rating: T4

(suitable for all gas/air flammable mixtures except carbon disulphide.)

IP rating (protection level against the ingress of dust and liquid)   53

Main case material ambient temperature range   −20°C to +40°C

The polycarbonate material used to manufacture the main case together with the natural leather pouch have been selected to protect the equipment against damage, e.g. being dropped or knocked, during normal operation.

These units contain no user serviceable parts, other than the battery. Units must be returned to the factory for servicing

Important: The pager / mobile must be fitted into its leather pouch when used in hazardous areas. Use only battery part number 151001000, 3.6 V and 250/300mAh.

Failure to comply with these limitations of use will compromise certification of this product.
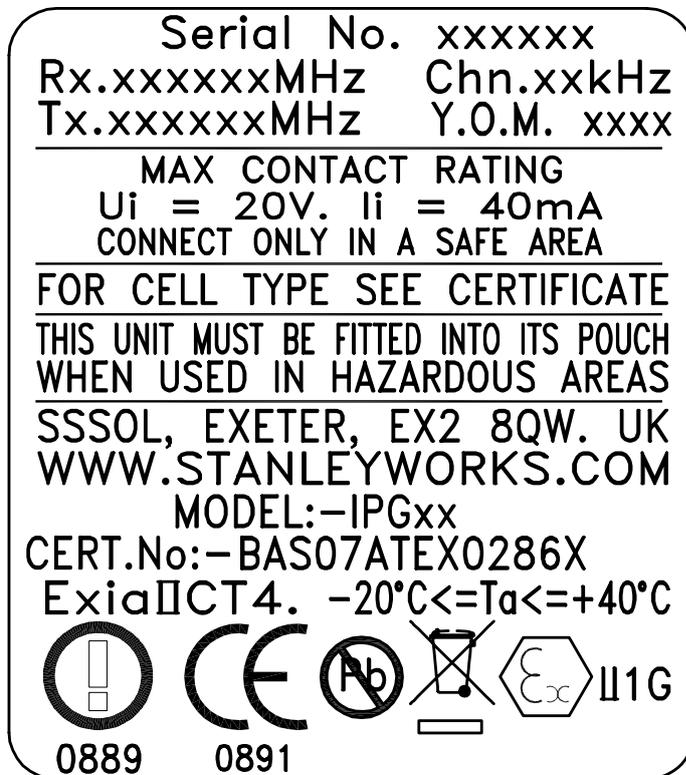

Type: IPG series:

IPG	x	x	x (options)	(V) (Vibrator board fitted)
	1			VHF
	3			UHF
		A		Alphanumeric
		B		Monitored (Bodyguard)
		G		Gemini (Nurse call)
		M		Tracked (Minder)
		C		Monitored (Bodyguard) UHF location
		N		Tracked (Minder) UHF location

Battery: Rechargeable NimH Triplecell, part no. 151001000
(Only available from Stanley)

Pouches: No alarm button pagers,   part no. 011504000
              Round alarm button mobiles,   part no. 011907000
              Square alarm button mobiles,   part no. 011945000

Label: Drawing no. 011976/2.00


```
Serial No. xxxxxx
Rx.xxxxxxMHz   Chn.xxkHz
Tx.xxxxxxMHz   Y.O.M. xxxx
MAX CONTACT RATING
Ui = 20V. Ii = 40mA
CONNECT ONLY IN A SAFE AREA
FOR CELL TYPE SEE CERTIFICATE
THIS UNIT MUST BE FITTED INTO ITS POUCH
WHEN USED IN HAZARDOUS AREAS
SSSOL, EXETER, EX2 8QW. UK
WWW.STANLEYWORKS.COM
MODEL:-IPGxx
CERT.No:-BAS07ATEX0286X
Exia⏃CT4.  -20°C<=Ta<=+40°C
```
Ⅱ1G

0889   0891

ATEX Certification information may be found at:
https://www.stanleysecurity.co.uk/solutions/asset-tracking-communications/radio-paging-systems

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WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

Introduction

Throughout this document, 'pager' refers to a unit that cannot initiate alarms and 'mobile' refers to a unit that can initiate alarms.

Pagers

The alarm facilities described in this document do not apply to pagers.

IPG1A and IPG3A are pagers that alert the user with a text message.

Mobiles

IPG1B and IPG3B are Bodyguard mobiles using Low Frequency (LF) location beacon.

IPG1M and IPG3M are Minder mobiles using Low Frequency (LF) location beacon.

IPG1G and IPG3G are Gemini mobiles used in Nurse-Call systems.

IPG1C and IPG3C are Bodyguard mobiles using Ultra High Frequency (UHF) location beacon.

IPG1N and IPG3N are Minder mobiles using Ultra High Frequency (UHF) location

IPG1s have a HF (25 to 54 MHz) receiver.

IPG3s have a UHF (425 to 470 MHz) receiver.

WARNING

The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section

To prepare your pager/mobile for use

Before you use your pager/mobile for the first time please ensure that the battery is fully charged.

⚠️ The pager/mobiles must only be recharged or data down loaded in a safe area.

IMPORTANT

Pagers do not have a red button for initiating alarms. Some mobiles have a round red button and some have a square red button.

Throughout this document the round red button is used but the instructions also apply to the square red button

To insert (or change) the battery

Press down on the battery door, slide it towards the centre and hinge it outward to reveal the battery compartment.

If necessary, invert the pager/mobile and allow the old battery to slide out.

Place the new battery into the compartment with its positive terminal facing outwards.

Hinge the door over the battery, press down and slide it towards the side of the pager/mobile case until it clicks into position.

The pager/mobile will bleep and display ++ to show that it is active.

To ensure that the battery is fully charged place your pager/mobile in a charging rack for 14 hours.

IMPORTANT

A special battery is supplied for use with these pager/mobile.

NEVER fit a standard AA cell.

Please follow local regulations when discarding old batteries.

Push down

Slide back

Hinge up

To enter the message menu, see Page 14.
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To enter the engineering menu, see Page17.

Document structure

Refer to the **Configuration and maintenance** section for details on setting up your pager/ mobile.

Refer to the **Customisation** section for details on customising your pager/mobile.

Refer to the **Mobile controls** section for details on how to use the alarm facilities.

Refer to the **Pager/mobile controls** section for details on how to use the message facilities.

Using the menus

All menus use the top button ⏻ to move up, the middle button ⓕ to select , and the bottom button 💬 to move down.

The menus also scroll round from bottom item to top item (and vice versa).

If a ripcord is attached to ⏻, it can not be used to move up the menu but holding the 💬 button will move up the menu.

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

FIRMWARE	(engineering menu)
DISPLAY	(user menu)
ALARM 1	(alarm) or
02 OF 02	(message menu)

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

Mobile controls

IMPORTANT: Your mobile cannot be switched off. However the battery can be removed.

Front button - Alarm type 1

Top button - Alarm type 2

Middle button - Function

A number of user selectable functions are available to you. This button allows you access these and 'customise' the way your mobile works.

For example, you can choose the volume level of the bleep tone and invert the display so that you can read it easily.

Refer to the Customisation section for details.

Bottom button - Message

This allows you to select and review messages that you have received. You can also delete messages. Refer to the To review and delete stored messages section for details.

Press the message button if you wish to silence the bleep whilst receiving a call.

Assistance alarms - Assistance types 1 and 2

When you hold the function button and then press the front button an assistance type 1 alarm is generated.

When you press function and message buttons at the same time, an assistance type 2 alarm is generated

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

(Ⓘ) (or a ripcord may be attached)

(ƒ)

> **IMPORTANT**
>
> Location reporting is suspended whilst the (ƒ) is pressed.

(☁)

(ƒ) then

(ƒ) and (☁)

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
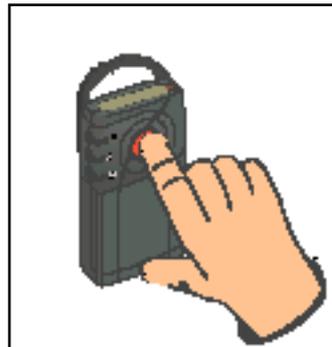To enter the engineering menu, see Page17.

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

To send alarm calls

Alarm type 1
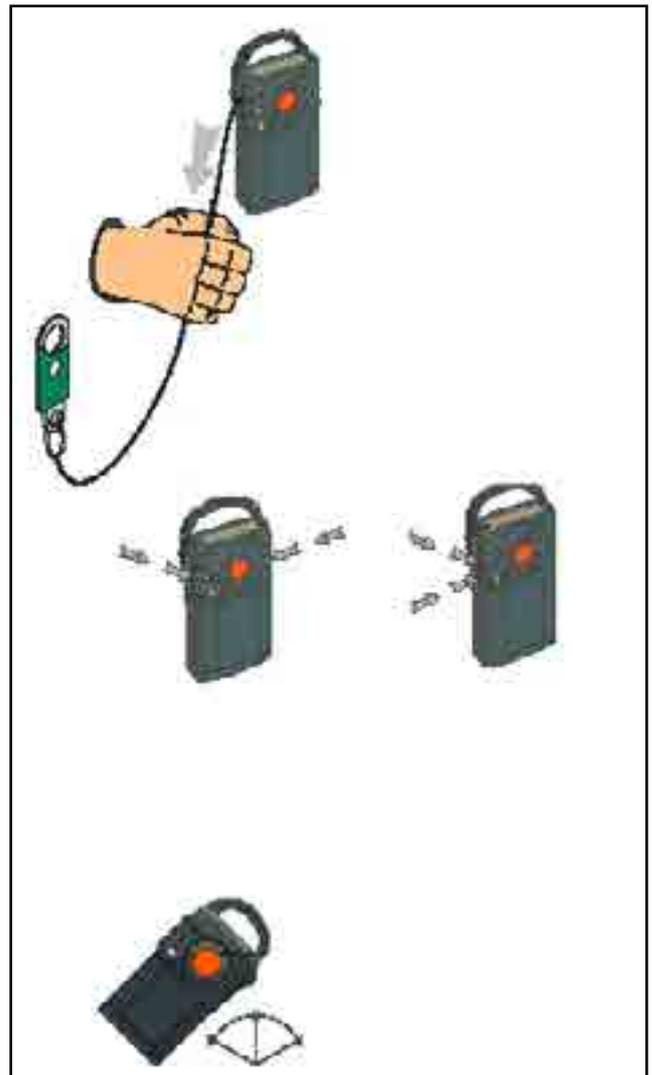
Press the LARGE front button.

To indicate that the alarm has been initiated the mobile will emit a short pip and the display will show the alarm type.

Alarm type 2 (ripcord)

Pull the ripcord sharply away from the mobile.

If your mobile is not fitted with a ripcord, press the top button. ⏻

Assistance 1 and 2

Press the middle button ƒ and then front button 🔴 or press the bottom two buttons at the same time ƒ and 💬.

Tilt alarm (if tilt switch fitted)

If the tilt switch option has been fitted to your mobile, an automatic alarm will be initiated if it is tilted (e.g. you have been knocked over).

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To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

Further information about alarms

If any of the following alarms are generated, the mobile will bleep, display an appropriate message and the alarm will be sent to the control equipment. Mobile users in the appropriate response group will be alerted and (for Bodyguard and Minder mobiles) informed of the location.

Bleep and LED indications will not be used when an alarm is initiated if **CONFIRM** is disabled in the engineering menu.

Also, the mobile can be set to silent using the engineering menu and (if enabled) using the user menu.

ALARM 1 - Front button

When you press the front button, the mobile will display **ALARM 1.**

ALARM 2 - Ripcord or top button

When you pull the ripcord (or press the top button) the mobile will display **ALARM 2.**

ASSIST 1 - Middle and front buttons

When you press the middle and then the front button, the mobile will display **ASSIST 1.**

ASSIST 2 - Bottom two buttons

When you press the bottom two buttons simultaneously, the mobile will display **ASSIST 2.**

WARNING

The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

IMPORTANT

For Bodyguard and Minder mobiles, ACK is displayed for 30 seconds. For AS-SIST 2, the ACK is not accompanied by a bleep and the mobile goes into silent mode for the silent period defined in the Engineering menu for Bodyguard mobiles or for 2 minutes for Minder mobiles.

For Gemini mobiles, there is no acknowledgement but the alarm can be cancelled. If in BG mode, alarms can only be cancelled by placing the mobile in a rack.

TILT

If your mobile is tilted away from the vertical, after a delay, it displays TILTWARN and then TILT and a tilt alarm is generated. If BG mode is disabled, the mobile will then display SEARCH. While TILT and SEARCH are displayed, the mobile will bleep to aid the response group to locate the mobile.

An alarm is not generated during the delay period or while TILTWARN is displayed to prevent false alarms.

RANGE

If the range facility is enabled, the mobile will bleep and display RANGE if it does not receive polling transmissions from the control equipment. This will occur if the mobile is out of range of the transmitter for a specified time.

LOW BATT – Low battery

When LOW BATT is displayed you must replace or recharge the battery as soon as possible.

DOOR - Restricted area – Bodyguard mobiles only

If the mobile enters a restricted area (location beacon using 501 to 510 slow baud or even numbers hex 7002 to 7FFE fast baud) the mobile will display DOOR.

WARNING

The alarms, messages and alerts usedmdepend on the set up as described in the **Configuration and maintenance** section.

For Bodyguard and Minder mobiles, the tilt alarm will be acknowledged and the mobile will display ACK and then SEARCH.

For Gemini mobiles in normal mode, no acknowledgement is sent but the alarm is repeated and then SEARCH.

For Gemini mobiles in BG mode, no acknowledgement is sent but the alarm is repeated and TILT

The mobile will continue to do this until a valid poll is achieved. Other active mobile functions will be displayed alternately.

IMPORTANT
If you receive a RANGE message, report to your control centre immediately.

To enter the message menu, see Page 14.
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To enter the engineering menu, see Page17.

Tests when a mobile is removed from the rack

Logon/logoff - Minder mobiles only

When a mobile is removed from a charging rack, the mobile displays LOG ON, the control equipment sends an ACK paging call and the mobile is set to normal: **++**.

When a mobile is placed in a charging rack, the mobile displays LOGOFF and then its individual code. The LED flashes for 12 hours and then is lit (for 12 hours if not removed from rack) indicating that it is fully charged.

Test – Bodyguard mobiles only

When a mobile is removed from a charging rack, the mobile displays TEST, the control equipment sends an ACK paging call and the mobile is set to normal: **++**.

BG test – Gemini mobiles only

When a mobile is removed from a charging rack, the mobile displays each enabled alarm. When each alarm has been initiated, the control equipment sends an ACK paging call and the mobile is set to normal: **++**.

Pager/mobile controls

To receive messages

Normally the pager/mobile will display **++** and when it receives a call it will bleep and display a message (and may vibrate).

Press the bottom button ⊙ if you wish to cancel the bleep tone whilst receiving the call.

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

IMPORTANT
A test is only performed if it is enabled in the engineering menu.

MESSAGE

The sound of the bleep tone selected using the engineering menu is normally chosen to indicate the action that you should take. If you do nothing your pager/mobile will store the message. The message will remain on the display until you receive another call.

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To view stored messages

To display the number of stored messages, press the ● (bottom button).

To move up the menu options, press (top button).⏻

To move down the menu options, press ● (bottom button).

To display the latest message, press *f* (middle button).

To display the other messages, move up or down the menu and press *f* when the message number is displayed.

Messages over 8 characters scroll 1 character to the left every 200 ms. Pressing ● during scrolling will redisplay the message from the beginning.

To delete a message, press *f* when the message is displayed, then *f* when **DELETE** ✓ is displayed.

To cancel the delete, move up or down the menu and press *f* when BACK or DELETE X is displayed.

To exit the menu, move up or down the menu and press *f* when EXIT is displayed.

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

Message review menu

| n OF m | or | 0 M |
| message | | + + | 5s
message	DELETE ✓ — n-1 Of n
EXIT	BACK — n OF m
	DELETE X — n OF m
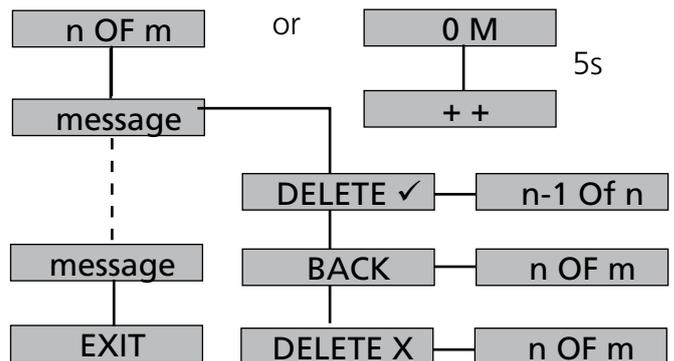
If there are messages in the store, the mobile will display the message number and total number of messages. For example:

02 OF 02

If no messages are stored, the mobile will display:

0 m

and return to normal after 5 seconds:

+ +

NOTE
If you place your pager/mobile in a charging rack or remove the battery all messages will be deleted.

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To enter the engineering menu, see Page17.

Customisation

You can customise some of the functions of your pager/mobile to suit your own requirements.

The following is a complete list of the functions. Only the functions applicable to your pager/mobile are available. Several functions are set as configuration defaults in the factory.

To customise your pager/mobile

Press the f button until the user menu is displayed then release it.

To move up the menu options, press ⏻ (top button).

To move down the menu options, press 🗨 (bottom button).

To make a change, press f (middle button).

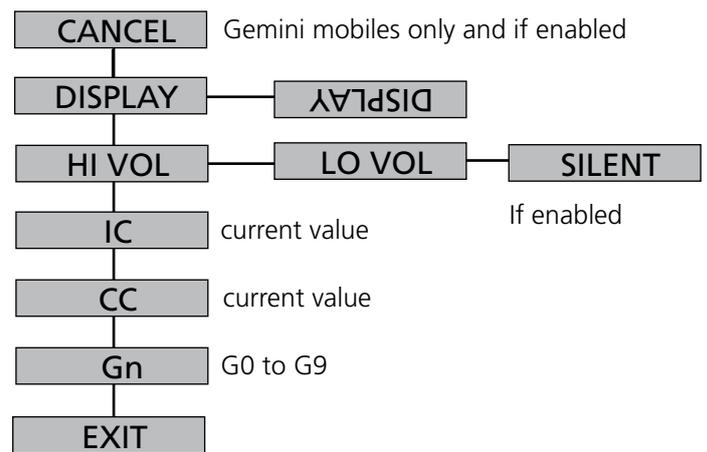### Cancel an alarm - Gemini mobiles only

This cancels the alarm message on the control equipment. If the BG mode is enabled, this option should be disabled as alarms can only be cancelled by placing the mobile in the rack.

To cancel an alarm message, press f to display CANCEL and then f again. Alternatively, the alarm message can be cancel at the control equipment.

WARNING
The alarms, messages and alerts used depend on the set up as described in the **Configuration and maintenance** section.

User Menu

CANCEL	Gemini mobiles only and if enabled	
DISPLAY ——— DISPLAY		
HI VOL ——— LO VOL ——— SILENT		
		If enabled
IC	current value	
CC	current value	
Gn	G0 to G9	
EXIT		

> **IMPORTANT**
> When an alarm is initiated on a Gemini mobile, it repeats a set of 6 transmissions to the control equipment. In normal mode, the 6 transmissions are sent twice. The transmissions can be cancelled by pressing the bottom button. In BG mode, the 6 transmissions are repeated until placed in a rack.

To enter the message menu, see Page 14.
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Display orientation

This inverts the displays so that messages can be
read wherever the pager/mobile is worn.

Move up or down the menu and press ⨍ when
DISPLAY is displayed.

Press ⨍ to toggle the display orientation.

Volume or silent

This selects the bleep volume. High volume, low
volume or silent are available if enabled in the en-
gineering menu.

Move up or down the menu until H**I VOL,
LO VOL** or **SILENT** is displayed.

To change the setting, press, ⨍ move up or down
the menu and press ⨍ when the desired setting is
displayed.

Codes

This displays the current codes of the pager/mobile.
The IC (Individual Code), Confirmatory Code (CC)
and Group Codes (G0 to G9) are displayed. The
group codes can be enabled/disabled if
USERGRP✓is set in the engineering menu.

Move up or down the menu and the codes are
displayed. If the codes can be enabled/disabled,
Gn✓nnnnn (enabled) or **Gn✓nnnnn** (disabled) is
displayed. To change the setting, press ⨍

WARNING
The alarms, messages and alerts used depend on the set up
as described in the **Configuration and maintenance**
section.

Display orientation in a charging rack

The display will automatically be displayed correctly in
the rack (i.e. flipped if necessary) and revert to its current
setting when removed.

> **IMPORTANT**
> The codes for Gemini mobiles are 6 digits but
> the display only shows 5 digits because the first
> digit is always 6 (e.g. Gemini code on mobile
> 12001 is actually 612001).
> The 6-digit Gemini code is used by the control
> equipment when setting mobile parameters (see
> the control equipment user guide).

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Configuration and maintenance

These procedures allow you to set the engineering functions of your pager/mobile to allow it to operate with your system and to select functions that will be available to the user.

To configure your pager/mobile

Insert the battery while holding and the engineer menu is displayed.

To move up the menu options, press

To move down the menu options, press

To move back, select the BACK menu option.

To select a menu item, press

The engineering menu can also be entered by holding the middle button when removing the pager/mobile from the rack.

WARNING

If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

IMPORTANT
BEFORE PROGRAMMING YOUR PAGER/MOBILE PLEASE ENSURE THAT YOU FIT A FULLY CHARGED BATTERY. FAILURE TO DO SO MIGHT RESULT IN LOST CODES.

Engineering Menu

FIRMWARE	— firmware menu
SETTINGS	— settings menu
SURVEY	— survey menu
TEST	— test menu
EXIT	
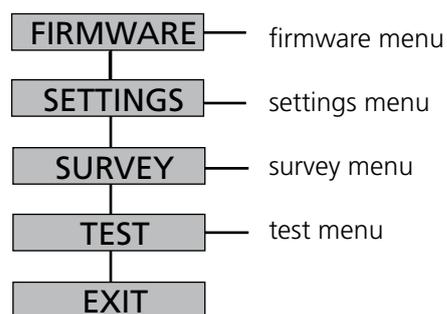
NOTE
You will need to be able to send programming calls from the control equipment to carry out these procedures.

Refer to the control equipment user guide for details.

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To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Firmware

This specifies the type of firmware in your pager/mobile.

Move up or down the menu and press f when **FIRMWARE** is displayed.

Move up or down the menu and the firmware is displayed.

Firmware Menu

| FIRMWARE |
| SETTINGS |
| SURVEY |
| TEST |
| EXIT |

APTXXnnn	mobile
ALLXXnnn	LF location (nnn is 000 if not applicable)
ALUXXnnn	UHF location (nnn is 000 if not applicable)
BACK	

Bodyguard and Minder mobiles only

Settings

Codes

This specifies the specific codes for your pager/mobile. The IC (Individual Code), Confirmatory Code (CC), G0 to G9 (response group) must be set.

Move up or down the menu and press f when **SETTINGS** is displayed..

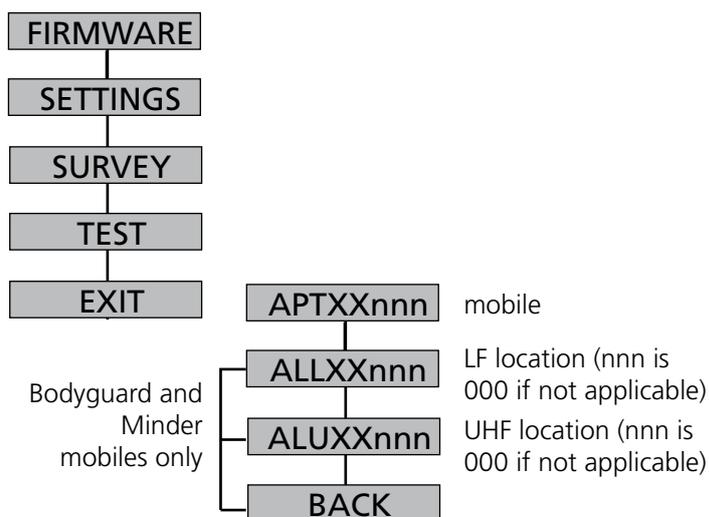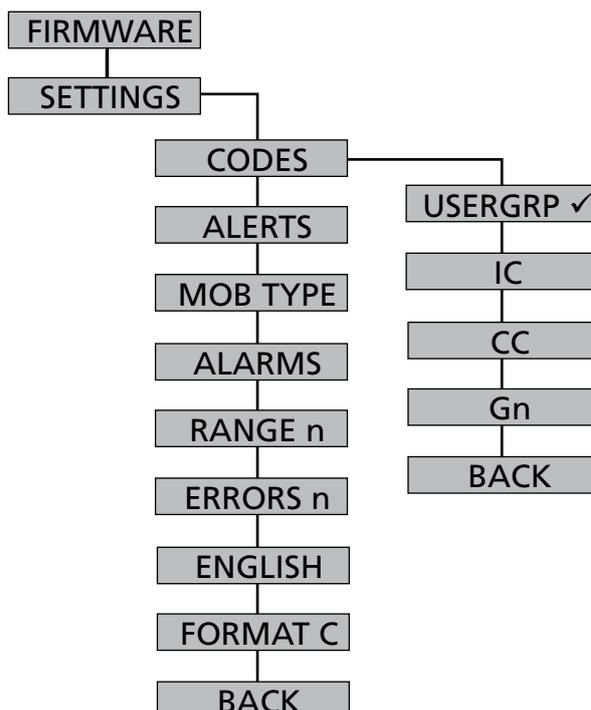Move up or down the menu and press f when **CODES** is displayed.

Move up or down the menu until **USERGRP √** or **USERGRP X** is displayed. To change the setting, press f and release when the desired setting is displayed. If **USERGRP √,** the user can enable/disable the group codes.

Move up or down the menu and if a code requires setting, press f ensure that a √ is displayed and send a programming call from the control equipment.

Settings and Codes Menu

| FIRMWARE |
| SETTINGS |
| CODES |
| ALERTS |
| MOB TYPE |
| ALARMS |
| RANGE n |
| ERRORS n |
| ENGLISH |
| FORMAT C |
| BACK |

| USERGRP ✓ |
| IC |
| CC |
| Gn |
| BACK |

To enter the message menu, see Page 14.
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Alerts

Volume and Silent

This selects the bleep volume. High volume, low volume or silent are available.

Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **HI VOL, LO VOL** or **SILENT** is displayed.

To change the setting, press f move up or down the menu and press f when the desired setting is displayed.

User

This enables/disables the user's ability to change the volume.

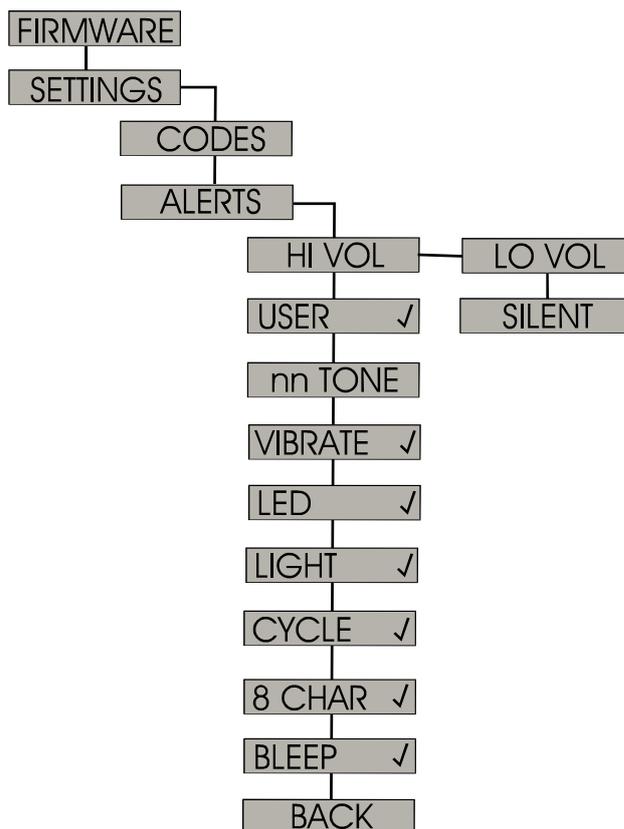Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **USER √** (enabled) or **USER X** (disabled) is displayed.

To change the setting, press f and release when the desired setting is displayed.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Alerts Menu

To enter the message menu, see Page 14.
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nn TONE

This selects the length of time (0 to 99 seconds) the pager/mobile will bleep when a message is received.

Move up or down the menu and press (f) when **nn TONE** is displayed.

To change the setting, move up or down the menu and press (f) when the desired setting is displayed.

Vibrate

This enables/disables the vibration of the pager/mobile when a message is received.

Move up or down the menu and press (f) when **ALERTS** is displayed.

Move up or down the menu until **VIBRATE √** (enabled) or **VIBRATE X** (disabled) is displayed.

To change the setting, press (f) and release when the desired setting is displayed.

LED

This enables/disables the LED indication of the pager/mobile when a message is received.

Move up or down the menu and press (f) when **ALERTS** is displayed.

Move up or down the menu until **LED √** (enabled) or **LED X** (disabled) is displayed.

To change the setting, press (f) and release when the desired setting is displayed.

WARNING

If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

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WARNING

If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Light

This enables/disables the backlight of the pager/mobile.

Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **LIGHT √** (enabled) or **LIGHT X** (disabled) is displayed.

To change the setting, press f and release when the desired setting is displayed.

Cycle

This enables/disables the repeated scrolling of messages.

Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **CYCLE √** (enabled) or **CYCLE X** (disabled) is displayed.

To change the setting, press f and release when the desired setting is displayed.

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8 Char

This enables/disables a space to be placed in messages between each 8 character block.

Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **8 CHAR √** (enabled) or **8 CHAR X** (disabled) is displayed.

To change the setting, press f and release when the desired setting is displayed.

Bleep

This enables/disables bleep-only messages.

Move up or down the menu and press f when **ALERTS** is displayed.

Move up or down the menu until **BLEEP √** (enabled) or **BLEEP X** (disabled) is displayed.

To change the setting, press f and release when the desired setting is displayed.

WARNING

If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

IMPORTANT
If BLEEP is disabled, a bleep-only message will not reach the pager/ mobile.

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WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.
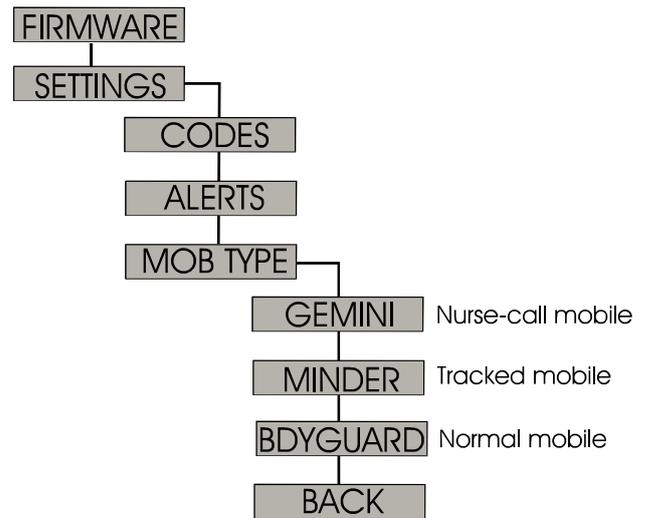
Mob type

This specifies the type of mobile.

Move up or down the menu and press f when **MOB TYPE** is displayed. The current setting is displayed.

To change the setting, press f and release when the desired setting is displayed.

Mob type menu

FIRMWARE
SETTINGS
CODES
ALERTS
MOB TYPE
GEMINI   Nurse-call mobile
MINDER   Tracked mobile
BDYGUARD Normal mobile
BACK

To enter the message menu, see Page 14.
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Alarms

This specifies the type of alarms the user can instigate.

Move up or down the menu and press (f) when **ALARMS** is displayed.

To enable/disable the bleep tone and LED on the mobile when an alarm is initiated, move up or down the menu until **CONFIRM√** (enabled) or **CONFIRMX** (disabled). To change the setting, press (f) and release when the desired setting is displayed.

To enable/disable alarm type 1 alarms, move up or down the menu until **ALARM 1√** (enabled) or **ALARM 1X** (disabled). To change the setting, (f) press and release when the desired setting is displayed.

To enable/disable alarm type 2 alarms (ripcord) alarms, move up or down the menu until **ALARM 2√** (enabled) or **ALARM 2X** (disabled). To change the setting, press (f) and release when the desired setting is displayed.
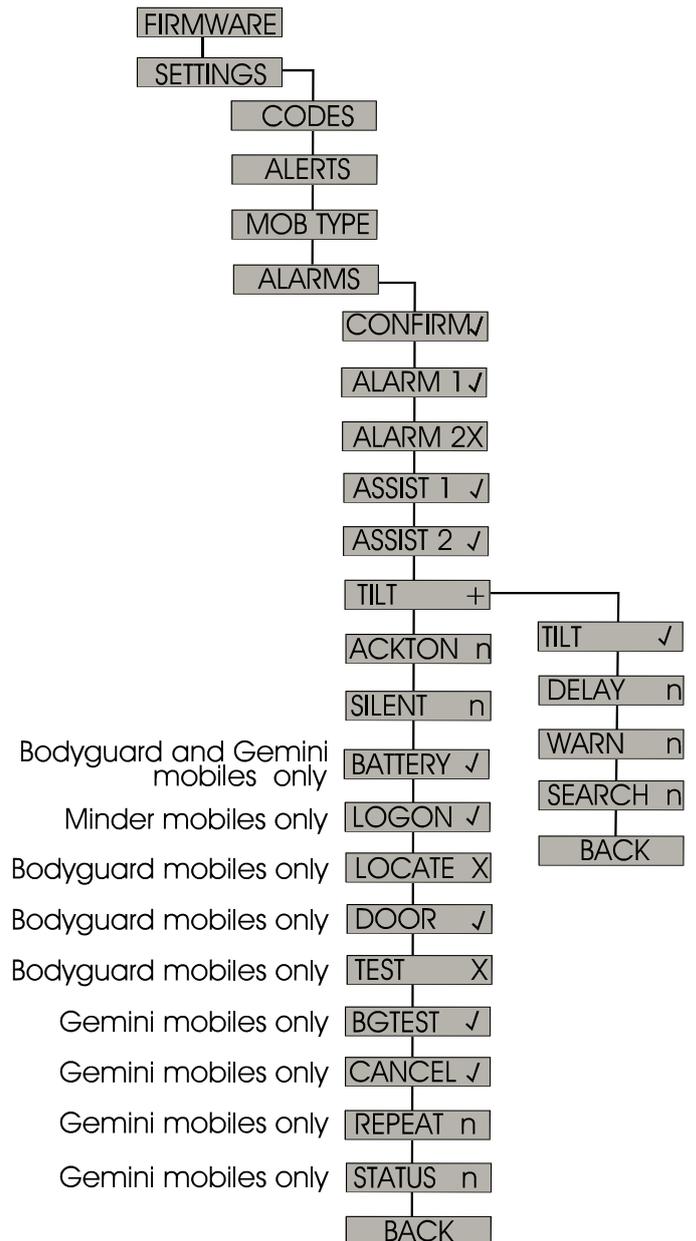
To enable/disable assist 1 alarms, move up or down the menu until **ASSIST 1√** (enabled) or **ASSIST 1X** (disabled). To change the setting, press (f) and release when the desired setting is displayed.

To enable/disable assist 2 alarms, move up or down the menu until **ASSIST 2√** (enabled) or **ASSIST 2 X** (disabled). To change the setting, press (f) and release when the desired setting is displayed.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Alarm Menu

FIRMWARE
SETTINGS
CODES
ALERTS
MOB TYPE
ALARMS
CONFIRM√
ALARM 1√
ALARM 2X
ASSIST 1 √
ASSIST 2 √
TILT +
ACKTON n
SILENT n

Bodyguard and Gemini mobiles only — BATTERY √
Minder mobiles only — LOGON √
Bodyguard mobiles only — LOCATE X
Bodyguard mobiles only — DOOR √
Bodyguard mobiles only — TEST X
Gemini mobiles only — BGTEST √
Gemini mobiles only — CANCEL √
Gemini mobiles only — REPEAT n
Gemini mobiles only — STATUS n
BACK

TILT √
DELAY n
WARN n
SEARCH n
BACK

NOTE
If **ALARM 2** is enabled, it is assumed that a ripcord is attached to the top button and this cannot then be used to move up the menu. In this case, holding the   button will move up the menu.

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

To enable/disable tilt alarms, move up or down the menu until **TILT +** is displayed; then press (f) and **TILT √** (enabled) or **TILT X** (disabled) is displayed. To change the setting, press (f) and release when the desired setting is displayed. By moving up and down the menu, the **DELAY, WARN** and **SEARCH** settings can be specified and the display flashes while in adjust mode. The **SEARCH** setting is to aid the response group locate the mobile when in alarm.

All time periods are set in multiples of 10s but if **SEARCH** is set to 9, the mobile must be righted to cancel the search.

To specify the bleep tone for the acknowledge message, move up or down the menu until **ACKTON n** (0 to 15). To change the setting, press (f) move up or down the menu and press (f) when the desired setting is displayed.

To specify the time period a Bodyguard mobile is silent after an alarm acknowledged message, move up or down the menu until **SILENT n** (0 to 9, 30 second increments, i.e. 0 to 4.5 minutes). To change the setting, press (f) move up or down the menu and press (f) when the desired setting is displayed.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

The **DELAY** setting is the time period the mobile must be tilted before a warning is given. The **WARN** setting is the time period of the warning before an alarm is generated.

For Minder and Bodyguard mobiles, if an alarm is generated, the alarm can be acknowledged and an **ACK** message is displayed and then **SEARCH** for the specified time.

For Gemini mobiles in normal mode, if an alarm is generated, the alarm is repeated and can be cancelled. If not cancelled, **SEARCH** is displayed for the specified time.

For Gemini mobiles in BG mode, if an alarm is generated, the alarm is repeated and can only be cancelled by placing in a rack.

If set to 1, the bleep lasts for 1s instead of the standard 5s.

If the mobile is set to silent from the Volume menu, the acknowledgement will be silent.

IMPORTANT
This setting overrules the Silent normal **ACK** setting in the control software.

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

To enable/disable battery low alarms, move up or down the menu until **BATTERY√** (enabled) or **BATTERY X** (disabled). To change the setting, press ⨍ and release when the desired setting is displayed.

To enable/disable the logon function, move up or down the menu until **LOGON √** (enabled) or **LOGON** (disabled). To change the setting, press ⨍ and release when the desired setting is displayed.

To enable/disable the location function, move up or down the menu until **LOCATE √** (enabled) or **LOCATE X** (disabled). To change the setting, press ⨍ and release when the desired setting is displayed.

To enable/disable door alarms, move up or down the menu until **DOOR √** (enabled) or **DOOR X** (disabled). To change the setting, press ⨍ and release when the desired setting is displayed.

To enable/disable the test function, move up or down the menu until **TEST √** (enabled) or **TEST X** (disabled). To change the setting, press ⨍ and release when the desired setting is displayed.

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

To enable/disable the Gemini Berufsgenossenshaft Approval test, move up or down the menu until **BG TEST√** (enabled) or **BG TEST X** (disabled). To change the setting, press f and release when the desired setting is displayed.

BG mode must also be set from the control equipment (i.e. S = 2 in the Mobile parameters, see the AEN2G user guide).

To enable/disable the cancel option in the user menu, move up or down the menu until **CANCEL √** (enabled) or **CANCEL X** (disabled). To change the setting, press f and release when the desired setting is displayed.

To specify the time interval between the 6 transmission when a Gemini alarm is initiated, move up or down the menu until **REPEAT n** (0 to 9 times 5 seconds). To change the setting, press , move up or down the menu and press f when the desired setting is displayed.

To specify the Gemini status transmission period, move up or down the menu until **STATUS n** (0 to 99 times 10 seconds). To change the setting, press f move up or down the menu and press when the desired setting is displayed.

If the Gemini Berufsgenossenshaft Approval test (BG mode) is enabled, each enabled alarm type must be generated in turn whenever the mobile is removed from a rack. If the test is successful, the alarm messages will be sent from the mobile and acknowledged from the control equipment.

Also, alarms can only be cancelled by placing the mobile in a rack.

When an alarm is initiated on a Gemini mobile, it repeats a set of 6 transmissions to the control equipment. In normal mode, the 6 transmissions are sent twice. In BG mode, the 6 transmissions are repeated until placed in a rack. The interval between the 6 transmissions is n x 5 seconds, e.g. if n is set to 9 the break in transmissions will be 45 seconds.

If the control equipment cannot communicate with a Gemini mobile for the specified transmission period, a non-response message is generated.

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Range

This selects the time interval (0 to 9 times 45 seconds) the mobile does not receive a transmission signal before a **RANGE** message is displayed (e.g. if n is set to 1, a **RANGE** message will be displayed if out of range of a transmitter for 45 seconds). If set to 0, the range facility is disabled.

Move up or down the menu and press f when **SETTINGS** is displayed.

Move up or down the menu until **RANGE n** is displayed. To change the setting, move up or down the menu and press f when the desired setting is displayed.

Range Menu

```
FIRMWARE
SETTINGS
        CODES
        ALERTS
       MOB TYPE
       ALARMS
      RANGE  n
```

Errors Menu

Errors

This is the number (0 to 8) of non-correctable errors that are permissible in each message block before a message is rejected as unusable. If a message is rejected in this way the call is disregarded and the pager/mobile does not respond. Corrupted characters are shown as blanks. The default setting is 0.

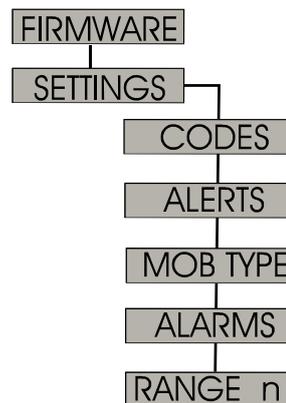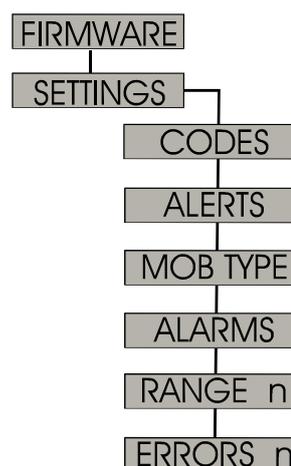Move up or down the menu and press f when **SETTINGS** is displayed.

Move up or down the menu until **ERRORS** n is displayed.

To change the setting, press f move up or down the menu and press when the desired setting is displayed.

```
FIRMWARE
SETTINGS
        CODES
        ALERTS
       MOB TYPE
       ALARMS
      RANGE  n
      ERRORS  n
```

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

Language

This is the language the messages are displayed.
Move up or down the menu and press ⓕ when
SETTINGS is displayed.

Move up or down the menu until **ENGLISH,
FRANCAIS, DEUTSCH** or **NEDERLND** is displayed.
The current language is displayed.

To change the setting, press ⓕ move up or down
the menu and press when the desired setting is
displayed.

Format

The format letter setting must match the format
setting in the control equipment. This is usually
format C but A and B are available for special
projects.

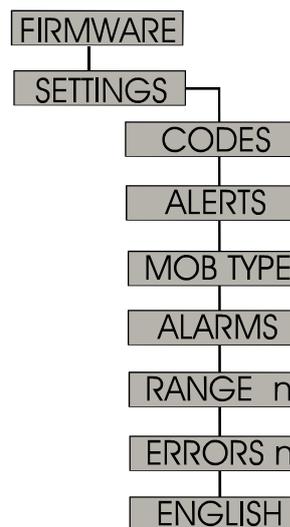Move up or down the menu and press ⓕ when
SETTINGS is displayed.

Move up or down the menu until **FORMAT C**
(default) is displayed.

To change the setting, press ⓕ move up or down
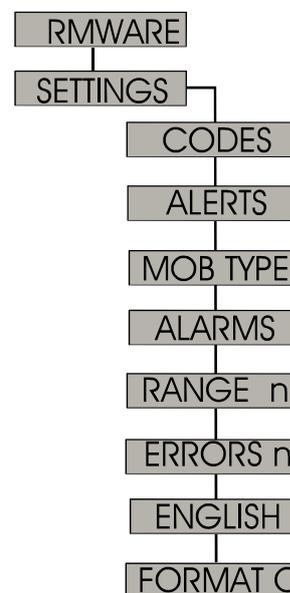the menu and presswhen the desired setting is
displayed.

WARNING
If you are not sure how to set these engineering functions
please refer to your supplier. If you make an invalid setting
your pager/mobile might not work.

Language Menu

```
FIRMWARE
 SETTINGS
            CODES
            ALERTS
            MOB TYPE
            ALARMS
            RANGE  n
            ERRORS n
            ENGLISH
```

Format Menu

```
 RMWARE
 SETTINGS
            CODES
            ALERTS
            MOB TYPE
            ALARMS
            RANGE  n
            ERRORS n
            ENGLISH
            FORMAT C
```

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Paging

Whilst in this mode, the pager/mobile displays the call type, bleep tone, and code of any paging calls not just calls to stored codes. Move up or down the menu and press ⨍ when **SURVEY** is displayed.

Move up or down the menu and press when **PAGING** is displayed. **NO DATA** is displayed if no transmissions are detected. When a transmission is detected, the pager/mobile bleeps and displays the relevant information (see the control equipment user guide for further information).

Location – Minder and Bodyguard mobiles only

This displays the location data sent from the location decoder.

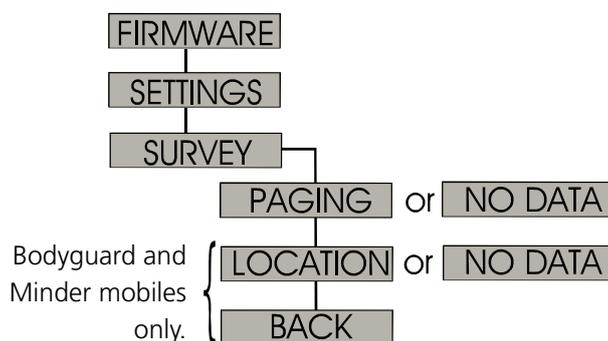Move up or down the menu and press ⨍ when **SURVEY** is displayed.

Move up or down the menu and press ⨍ when **LOCATION** is displayed. If location data is available, the transmission type and location address are displayed:
A - Slow baud LF
B - Fast baud LF
C - UHF location
D - No location

Survey Menu

For Minder mobiles, transmissions are continually received from the PC so if no paging calls are detected, **150 123nn** is displayed, where 123nn is the maximum CC and nn is the maximum slot number.

To enter the message menu, see Page 14.
To enter the user menu, see Page 15.
To enter the engineering menu, see Page17.

WARNING
If you are not sure how to set these engineering functions please refer to your supplier. If you make an invalid setting your pager/mobile might not work.

Test

This specifies test routines used by the engineer to test the setup.

Test Menu

```
FIRMWARE
 SETTINGS
  SURVEY
   TEST
              Tn
            BACK
```

Exit

This exits the engineering menu.

Move up or down the menus and press f each time **BACK** is displayed until **EXIT** is displayed. then press f

Exit Menu

```
FIRMWARE
SETTINGS
 SURVEY
  TEST
  EXIT
```
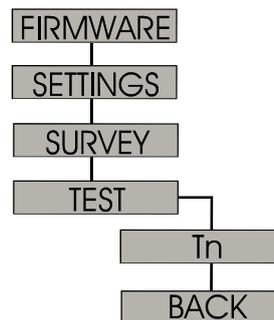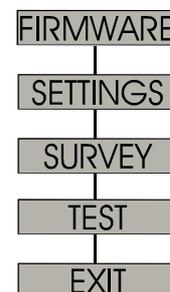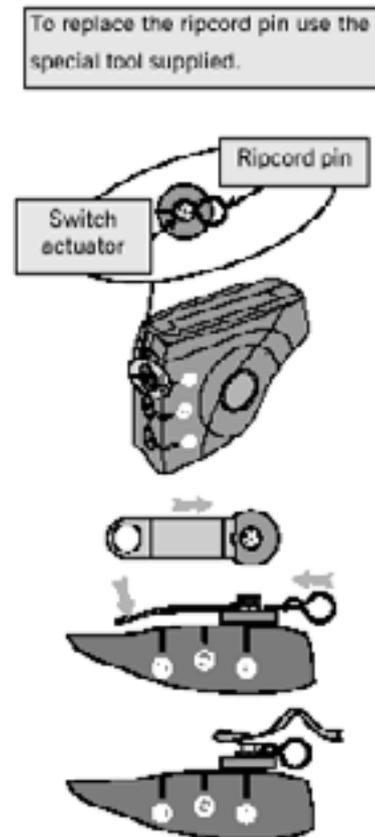
To replace the ripcord pin

This is an optional facility that may be fitted to
your mobile. If a ripcord has been fitted and
used, it must be replaced before it can be
used again.

Offer the tool up to the switch actuator until the
notch locates in the slot under the head.

Whilst holding the tool in the slot, press it
towards the body of the mobile until the pin
hole is revealed. It is easier to insert the pin if
the hole is in line with the body allowing access
from the top. Twist the actuator if alignment
is required.

Insert the end of the pin into the hole as far
as it will go.

Withdraw the tool and whilst continuing to
push the pin inwards rotate it clockwise just over
a quarter of a turn until it clicks into position.

To replace the ripcord pin use the
special tool supplied.

Ripcord pin

Switch
actuator

STANLEY
Security