

## 2. USERS MANUAL

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### 3. REPLACEMENT OF BATTERY

#### FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

## 1. Overview of Expose

### ① External appearance and button operation

#### 1) Mode Button ◎

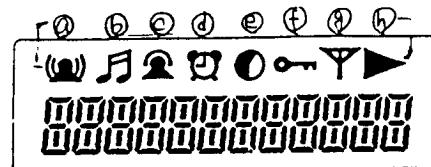
Repeated pressing of this button will scroll through the various functions of the pager

#### 2) Select Button ▶

When the required function is set by the mode button as above, this button is then used to set the parameters of that function

### ② Explanation of LCD display

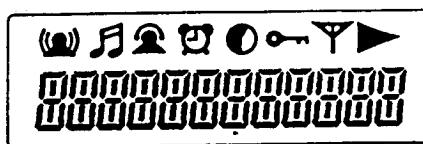
- a) Bleep alert selected
- b) Melody alert selected
- c) Vibrate alert selected
- d) Alarm clock function set
- e) Power on/ off times set
- f) Protected message indicator
- g) In service area indicator
- h) Message overflow indicator



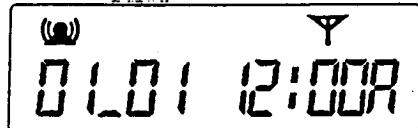
## 2. Use of Expose and explanation of functions

### ① Getting started

Remove the battery door by sliding the lock upwards and gently sliding the door sideways. Insert a new AAA battery, taking care to note the polarity marked on the case. The power automatically switches on and the LCD will appear. The pager will self test by vibrating, bleeping and then switching into standby mode. The pager is now ready for use.



Auto Conversion

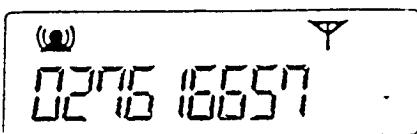


Standard Mode

### ② Receipt and confirmation of messages

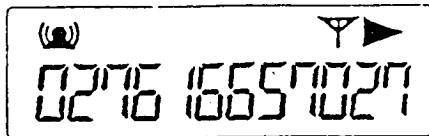
#### 1) To read a message

On receipt of a message, the pager will bleep, melody or vibrate, depending on your choice of setting, and the message will be displayed on the LCD.



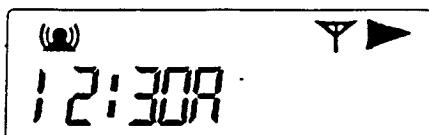
The bleep may be silenced by pressing the ▶ button during the receipt of call.

When receiving a message containing more than 13 characters, the ▶ symbol will appear on the LCD. Press the ▶ button to continue reading the message

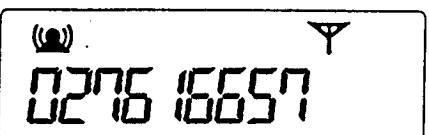


## 2) Reading an incoming message

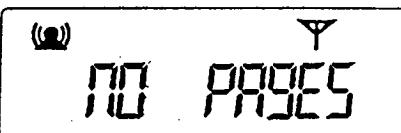
The time that the message was received is displayed by pushing the **►** button once in standby mode



The received message is displayed by pushing the **►** button again. Subsequent messages are displayed by repeated pressing of the **►** button.



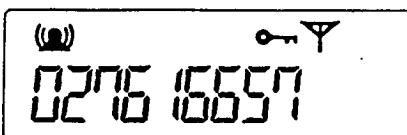
If 'NO PAGES' is displayed, this indicates that no messages have been received.



## 3) Protection of messages

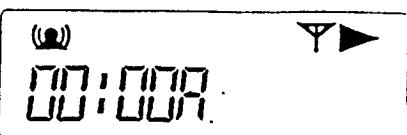
If you want to retain the message for future reference, pushing the **◎** button whilst the received message is displayed will lock the message, and the **0~** symbol will be displayed on the LCD. The time of receipt is not protected.

- EXPOSE can store 20 messages of up to 20 characters



## 4) Removing a protected message

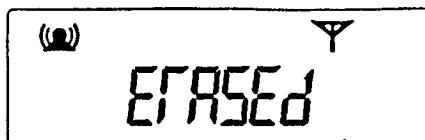
Use the **►** button to display the message that you want to unlock, and then press the **◎** button. Once all messages are unlocked the **0~** symbol will disappear, and the display show '00:00A'



## 5) Individual deletion of messages

Use the **▶** button to display the message that you want to delete. Press and hold the **◎** button for more than 2 seconds, and the message will be deleted. The display will show 'ERASED' and return to standby.

When more than 20 messages have been received, the oldest message is automatically deleted. To completely delete the message memories, refer to section ④ function 8



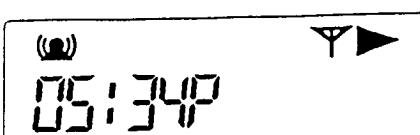
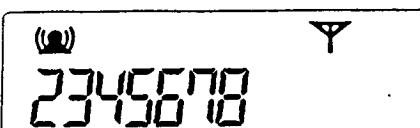
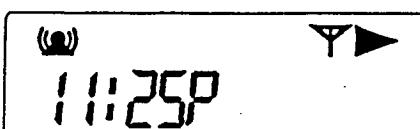
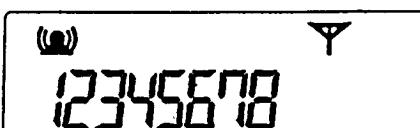
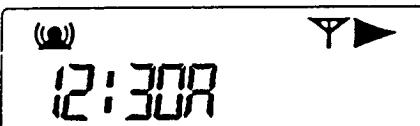
## 6) Auto scroll

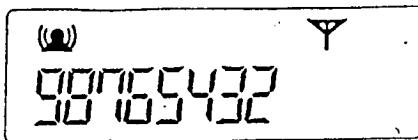
From standby mode, press and hold the **▶** button until a short bleep is heard. Release the button and the display will automatically scroll through the stored messages with time of receipt, from the newest to the oldest.



Stand-By Mode

Push **▶** Button More Than Two Second



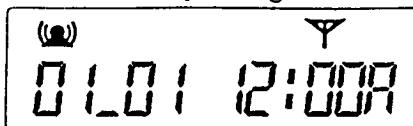


To return to standby during the automatic scroll, press the **◎** button.

### ③ OPERATION OF THE FUNCTION MENU

To enter the function menu from standby mode, press and hold the  button for more than 2 seconds.

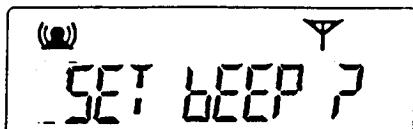
Each subsequent press of the **◎** button will step through the available functions.



## Stand-By Mode

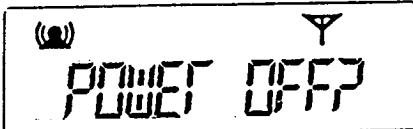
## Push ▶ Button More Than Two Second

## “Function 1”



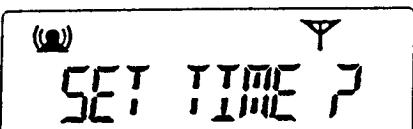
### **Push ⊖ button More Than Two Second**

## “Function 2”



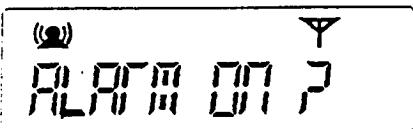
Push ⊖ button

### “Function 3”



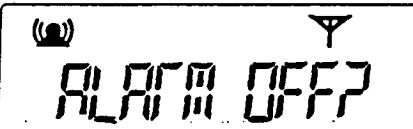
Push ⊖ button

## “Function 4”



Push ⊖ button

### “Function 5”



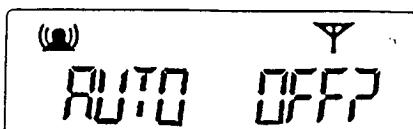
Push  button

### “Function 6”



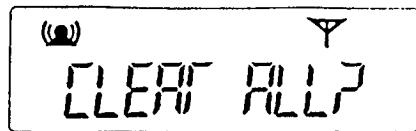
Push ⊕ button

### “Function 7”



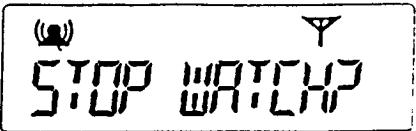
Push ⊖ button

“Function 8”

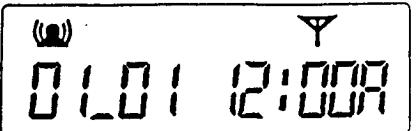


Push  $\odot$  button

“Function 9”



Push  $\odot$  button

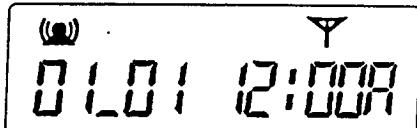


Stand-By Mode

#### ④ SETTING FUNCTIONS

##### 1) Selection of alert type

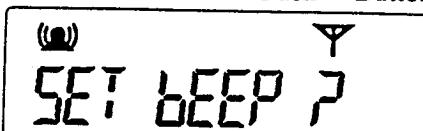
There are 7 types of alert mode available, bleep, melodies 1-5 and silent/ vibrate. To select these, press and hold the  $\odot$  button until 'SET BEEP' is displayed, and then select the alert mode using the  $\blacktriangleright$  button. The selected mode will sound, following which you should press the  $\odot$  button to return to standby.



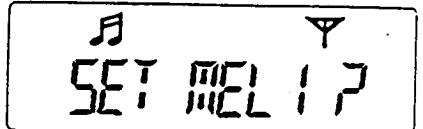
Stand-By Mode

Push  $\blacktriangleright$  Button More Than Two Second

“Function 1”



Push  $\odot$  button



Push  $\odot$  button



Push  $\odot$  button



Push  $\odot$  button

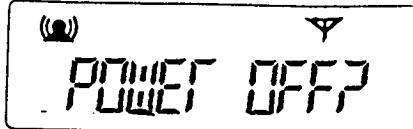


Stand-By Mode

## 2) Power On/ Off

Function 2 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button once more. The display will show:

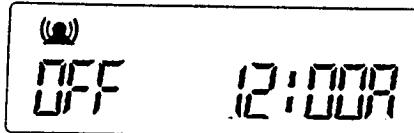
“Function 2”



Push  $\triangleright$  Button

Pressing the  $\triangleright$  button will now turn off the pager. The current time will be shown, but messages cannot be received.

To switch the pager back on, press the  $\triangleright$  button. The pager will self test and return to standby mode.



Push  $\triangleright$  Button

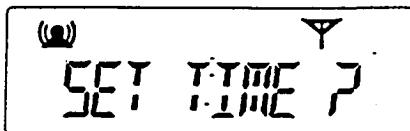


Stand-By Mode

## 3) Setting Date and Time

Function 3 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button twice more. The display will show:

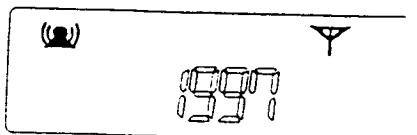
“Function 3”



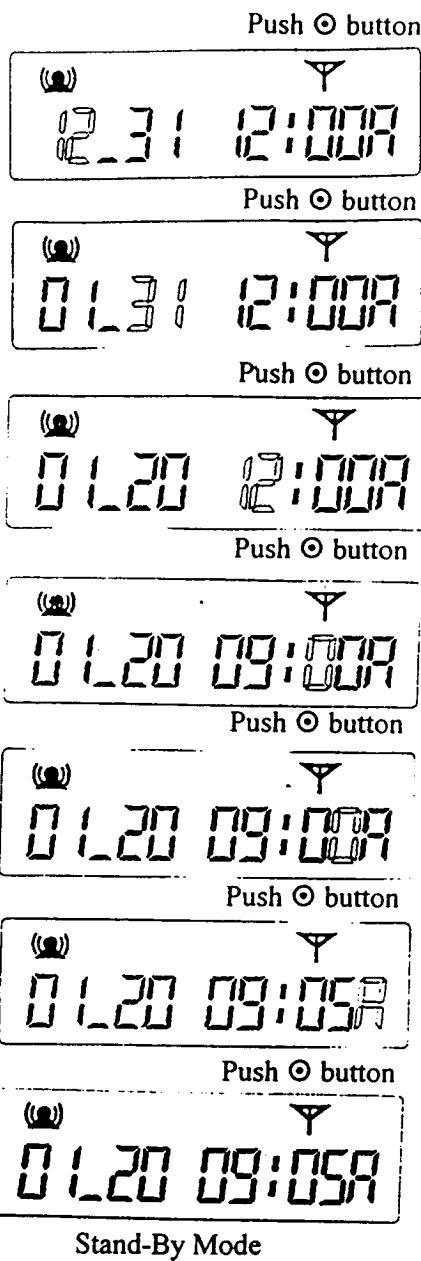
Push  $\triangleright$  Button

Press the  $\triangleright$  button and adjust the Year, Month, Date, Hour, Minutes (tens), Minutes (units), AM/PM by selecting each item with the  $\odot$  button and adjusting each item with the  $\triangleright$  button.

Once the correct Date and Time has been selected, return to standby mode by pressing the  $\odot$  button or waiting 8 seconds.



Select the Year  
Using  $\triangleright$  Button



Select the Month  
Using ▶ Button

Select the Date  
Using ▶ Button

Select the Time  
Using ▶ Button

Select the Minute(1<sup>st</sup>)  
Using ▶ Button

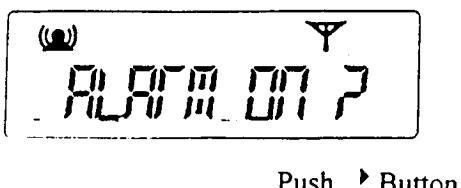
Select the Minute(2<sup>nd</sup>)  
Using ▶ Button

Select the AM/PM  
Using ▶ Button

#### 4) Setting Alarm Clock

Function 4 is selected by pressing and holding the ◎ button until a short beep is heard, and then press the ◎ button Three times more. The display will show:

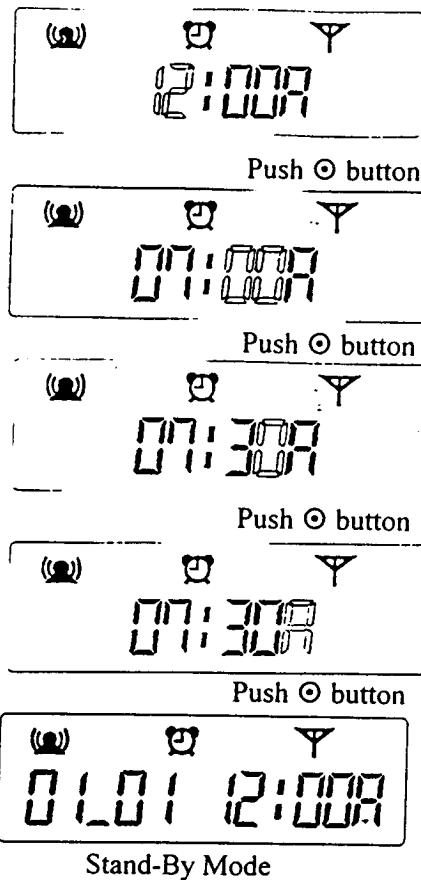
“Function 4”



Push ▶ Button

Press the ▶ button and adjust the Hour, Minutes (tens), Minutes (units), AM/PM by selecting each item with the ◎ button and adjusting each item with the ▶ button.

Once the required alarm time has been selected, return to standby mode by pressing the  $\odot$  button or waiting 8 seconds. The LCD will display the  $\odot$  symbol



Select the Time  
Using  $\blacktriangleright$  Button

Select the Minute(1<sup>st</sup>)  
Using  $\blacktriangleright$  Button

Select the Minute(2<sup>nd</sup>)  
Using  $\blacktriangleright$  Button

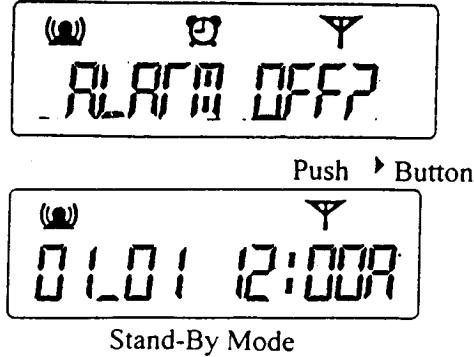
Select the AM/PM  
Using  $\blacktriangleright$  Button

### 5) Turning Alarm Clock Off

Function 5 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button four times more.

Press the  $\blacktriangleright$  button to switch off the alarm clock and return to standby mode.

“Function 5”



### 6) Setting Automatic Power On/Off

Function 6 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button five times more. The display will show:

“Function 6”



Push **▶** Button

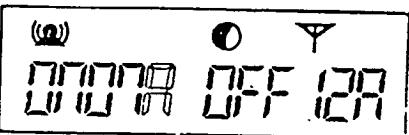
Press the **▶** button and adjust the Hour and AM/PM by selecting each item with the **◎** button and adjusting each item with the **▶** button.

Once the required automatic on and off times have been selected, return to standby mode by pressing the **◎** button or waiting 8 seconds. The LCD will display the **O** symbol.



Push **◎** button

Select the Time  
of Automatic Power On  
Using **▶** Button



Push **◎** button

Select the AM/PM  
of Automatic Power On  
Using **▶** Button



Push **◎** button

Select the Time  
of Automatic Power Off  
Using **▶** Button



Push **◎** button

Select the AM/PM  
of Automatic Power Off  
Using **▶** Button



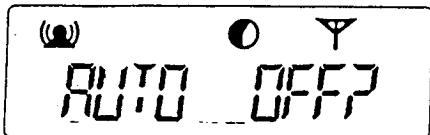
Stand-By Mode

## 7) Cancelling Automatic Power On/ Off

Function 7 is selected by pressing and holding the **◎** button until a short beep is heard, and then press the **◎** button six times more.

Press the **▶** button to switch off the automatic on/ off and return to standby mode.

“Function 7”



Push **▶** Button



Stand-By Mode

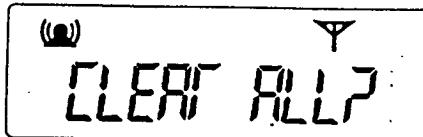
#### 8) Entire Message Deletion

WARNING: Use of this feature will delete all of the stored messages

Function 8 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button seven times more.

Press and hold the  $\triangleright$  button until the word 'Erased' appears on the LCD. The pager will then delete all stored messages and return to standby mode.

"Function 8"



Push  $\triangleright$  Button More Than Two Second



Stand-By Mode

#### 9) Stop Watch

Function 9 is selected by pressing and holding the  $\odot$  button until a short beep is heard, and then press the  $\odot$  button eight times more. The display will show:

"Function 9"



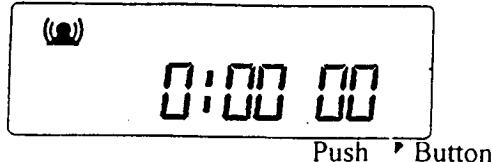
Push  $\triangleright$  Button

Press the  $\triangleright$  button to enter stop watch mode.

Successive presses of the  $\triangleright$  button will start and stop the timer.

Pressing the  $\odot$  button momentarily will reset the stop watch to zero.

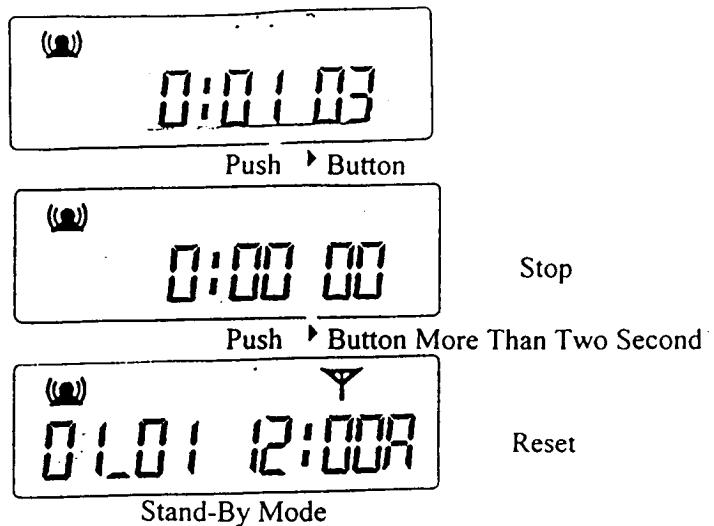
Press and hold the  $\odot$  button to return to standby



Push  $\triangleright$  Button



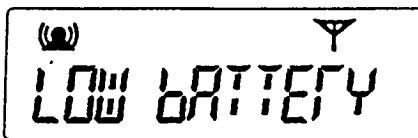
Start



## ⑤ OTHER FUNCTIONS

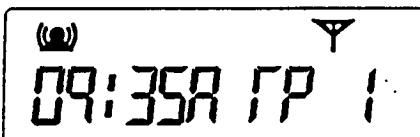
### 1) Low Battery Warning

The words 'LOW BATTERY' will appear in the LCD when the battery requires replacement. Insert a new AAA battery, taking care to note the polarity marked on the case.



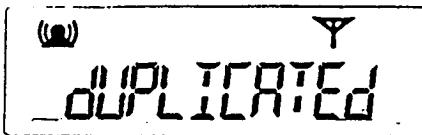
### 2) Receipt Of Duplicated Message

The time, duplicated sign and number of duplications is displayed when an identical message to one already stored in memory is received.



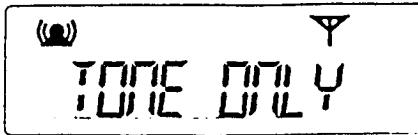
### 3) Duplication Of Locked Message

The word 'DUPLICATED' is displayed on the LCD when an attempt is made to lock a message which is identical to one already locked.



### 4) Tone Only

The words 'TONE ONLY' are displayed on the LCD when a call is received without a message.



### 5) Unread Messages

The number of messages that have been received and nor read will displayed on the LCD



### 6) Memory Full Indication

The words 'MEM FULL' are displayed on the LCD when 20 messages have been locked. No further messages can be locked until some or all have been deleted.



## 3 REPLACEMENT OF BATTERY

Change the battery when 'LOW BATTERY' appears on the LCD.

Remove the battery door by sliding the lock upwards and gently sliding the door sideways.

Insert a new AAA battery, taking care to note the polarity marked on the case.

Replace the battery cover and slide the lock down into place.

## 1-1. Receiver

1-1-1	Frequency Range -----	135.000MHz~174.000MHz
1-1-2	Channel Spacing -----	25KHz
1-1-3	Sensitivity(Optimal Position)-----	1200bps:7 $\mu$ V, 2400bps:9 $\mu$ V
1-1-4	Receiving Method -----	Double Super Heterodyne
1-1-5	Image Rejection -----	More Than 55db
1-1-6	Spurious Rejection -----	More Than 60db
1-1-7	Selectivity -----	More Than 65db
1-1-8	Frequency Stabilization -----	Less Than 10ppm Min(-10 $^{\circ}$ C ~ +50 $^{\circ}$ C)
1-1-9	Radio Forms -----	F2A/B
1-1-10	Dimension -----	58.0(W) $\times$ 18(H) $\times$ 48(D)

## 1-2. Decode

1-2-1	Signal Method -----	Pocsag
1-2-2	Modulation Scheme -----	FSK $\pm$ 4.5KHz
1-2-3	Bit Rate -----	512, 1200, 2400bps

## 1-3. Display

1-3-1	Display Device -----	L. C. D
1-3-2	L. C. D -----	Lamp

## 1-4. Alert And Memory Capacity

1-4-1	Alert Type -----	4ea(A, B, C, D)
1-4-2	Address Capacity -----	2,000,000
1-4-3	Memory Capacity -----	280Character

## 1-5. Error Detect And Correction Method ----- B.C.H

## 1-6. Receiver

1-6-1	Alert Frequency -----	3200Hz
1-6-2	Alert Level -----	More Than 75db SPL (@ 30cm)

## 1-7. Vibration Alert ----- Vibration Motor