

EkoTek Pager



## **USER GUIDE**

**For**

**EkoTek Pager**

**9261-8275 (Issue 3.0)**

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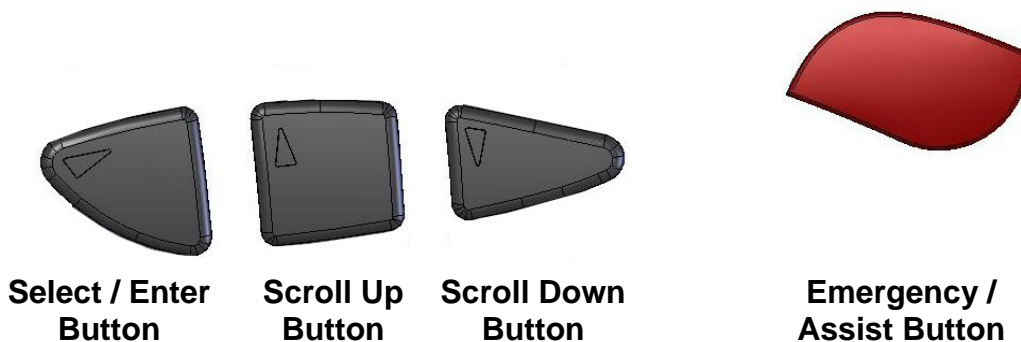
## EkoTek Pager

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## Introduction

Your EkoTek pager is an alphanumeric two-way messaging device, incorporating an emergency calling/assist facility. The EkoTek pager is able to receive text messages, allows basic responses and provides the ability to store messages for later viewing. The high contrast screen is capable of displaying up to 150 characters and all menus are displayed in plain language text. Operation of all functions is performed via intuitive menus using 3 tactile buttons and the red button is used for assist or emergency applications. To gain full benefit from this product please read this guide carefully.

## Function / Control Buttons



### Select & Enter Button

Denoted by the ► symbol, this button is used to move to and confirm selected options within the menu screens and to return to the standby screen when pressed for more than 1 second.

### Scroll Up/Down Buttons

Denoted by the ▲ (up) and ▼ (down) symbols. These buttons are used to scroll up and down the menu screens.

### Emergency & Assist Button

Denoted by the red button, this can be either single or double press. Operation is dependent upon product configuration.

## Compliance

This product complies with the requirements of the EU Radio & Telecommunications Terminal Equipment Directive 99/5/EC.

### FCC & Industry Canada Statement Of Compliance

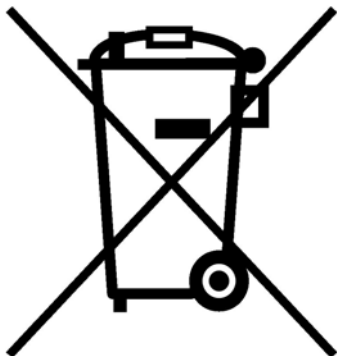
This device complies with Part 15 of the FCC Rules and Industry Canada Standard RSS 210.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference that may cause undesired operation.

Unauthorised modification to this equipment will void the user's authority to continue to operate the device within the scope of the Industry Canada and FCC Part 15 Rules.

A full technical specification for this product may be obtained from your Multitone representative.

### WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household, or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

## **General User Information**

### **Radio Reception**

Your EkoTek pager has been designed to give optimum performance within the coverage area of the transmitting system. As with any radio system there may be areas of poor coverage, where reception may be sporadic, or non-existent. If necessary, consult your system administrator in order to familiarise yourself with these areas.

### **Hazardous Areas**

This pager should not be taken into areas where explosive gas, or dust products, may be present.

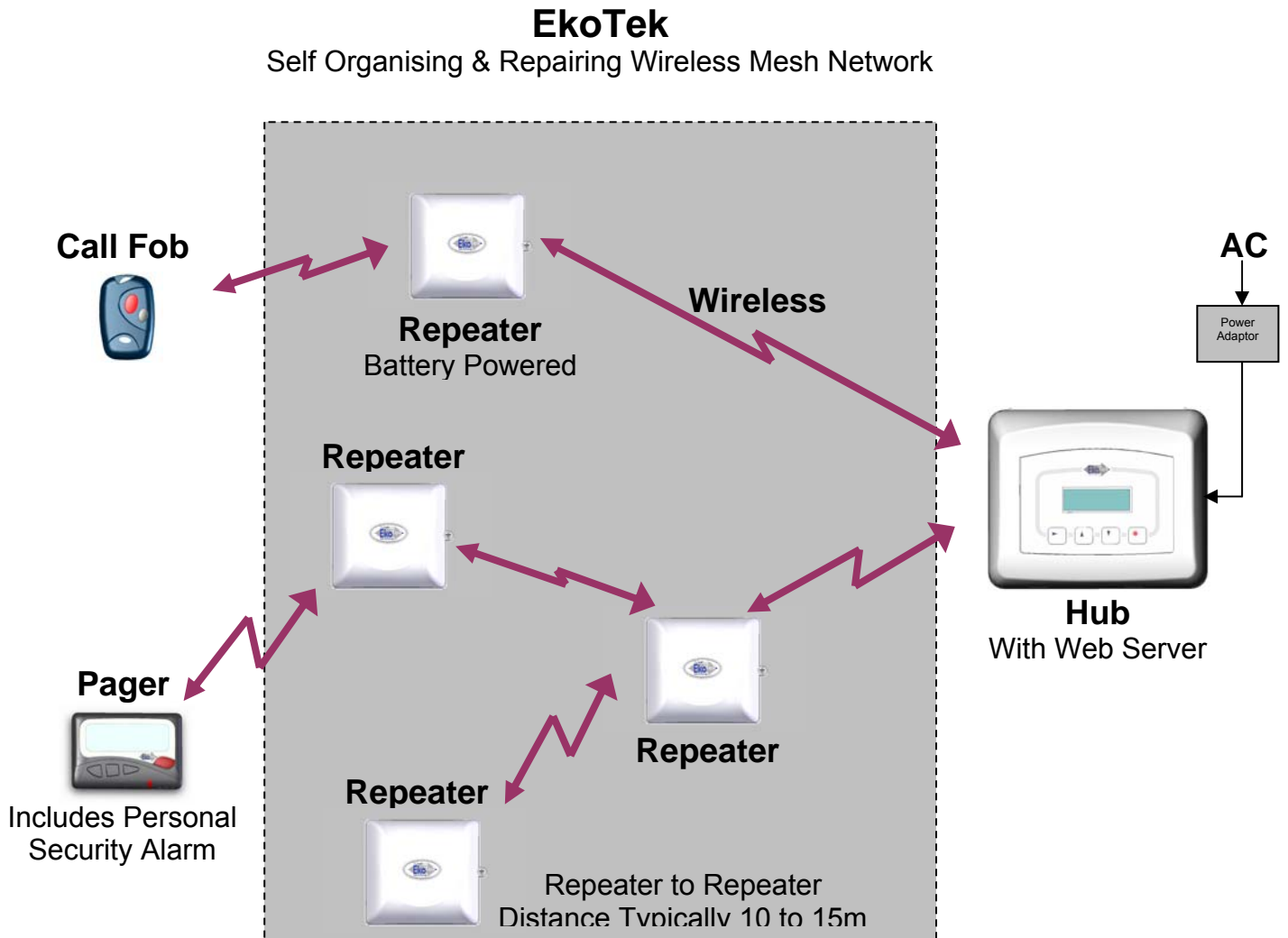
### **Pager Care**

Protect your pager from liquids, extreme temperatures and strong magnetic fields. Do not leave your pager exposed to strong sunlight.

### **Servicing**

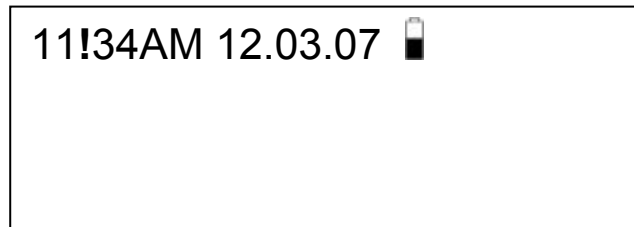
Should your EkoTeK pager need repair, return it to the designated service agent. Do not attempt to open or repair the product, as it contains delicate components and requires specialised test equipment.

## EkoTek System Schematic



### Switching On Your EkoTek Pager

To switch on, press and hold the ► button for more than half a second. A message will then be displayed for three seconds, whilst self-checks are being performed. Finally, the standby screen will be displayed:



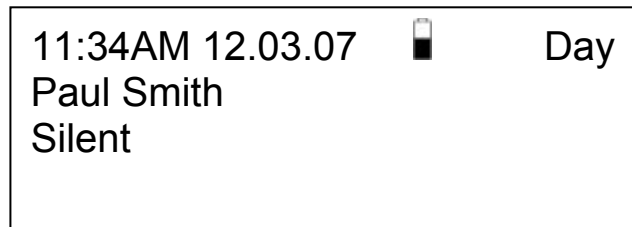
An exclamation mark (!) will flash between the Hours and the Minutes (11!34AM). This indicates that the EkoTek pager is in the process of detecting the EkoTek wireless network. Once the network is detected this will change to a flashing 'colon' or 'period' symbol.

If your EkoTek pager does not switch on, check that a fresh battery is correctly installed, see section: Changing the Battery.

The fourth line of the screen will display a location name once the pager has received its configuration from the network.

## Status and Warning Messages

When your EkoTek pager is switched on the standby screen is displayed. This consists of the time and date, battery charge plus additional status and warning messages. A typical screen is shown below:



The first line is the clock displaying the current time and date, the time may be in either a 12 or 24-hour format. The battery icon shows the battery charge. In the top right hand corner the pager will display **Day** or **Night** this is used to indicate the shift mode.

The second line displays the **pager name** or '**n**' **unread message**, showing how many messages have been received but not viewed.

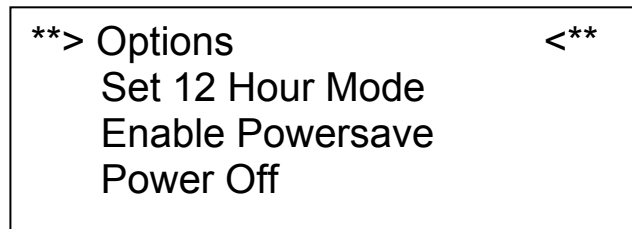
The third line shows the status of the alert, **Silent** to warn that the audible alert has been turned off, or **No Vibrate** to show that the vibrate alert has been turned off. When both audible and vibrate alerts are turned off, **Silent** is displayed. If nothing is displayed, then both audible and vibrate alert are turned on.

The fourth line normally displays **Replace Battery** once the battery reaches a state where it requires replacement, will be displayed. **The** battery icon will flash when the battery gets to the point where the '**Replace Battery**' message is displayed.

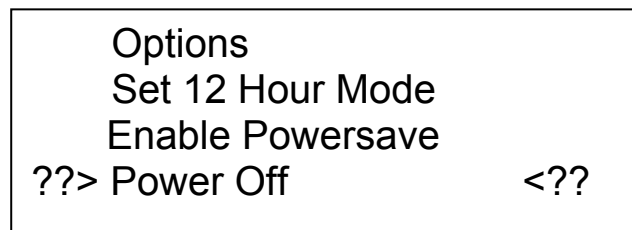
If the EkoTek pager is out of range from the wireless network the **Out of Range** message will also be displayed. In situations where the 'battery requires replacement' and the pager is 'out of range' only the highest priority will be displayed.

## Switching Off Your EkoTek Pager

From the standby screen press and release the ► button. The options screen will now be displayed:



The two pointers show the item that will be selected if the ► button is pressed. Use the ▲ or ▼ buttons to move the pointers to **Power Off** and select this item by pressing the ► button. The pointers will change to question marks showing that confirmation is required to switch the unit off:



Press the ► button again and your EkoTek pager will switch off.


## Using the Emergency / Assist Button


**Note:** *This feature has to be enabled by the System Supervisor*

### Raising an Alarm

In the event of an emergency or where immediate assistance is required press the **red** button. Depending on how the EkoTek system is configured this may require a single or a double press. Please confirm this with your EkoTek system supervisor.


On pressing the **red** button the EkoTek pager will either beep and/or vibrate in sequence with a flashing alert lamp. Please note that the precise nature of this acknowledgement is subject to configuration. The screen will display the following information indicating that the alarm has been raised and delivered:

11:34AM 12.03.07		Day
Paul Smith		
Raising Alarm		

11:34AM 12.03.07		Day
No Unread Message		
Alarm Delivered		

### Cancelling an Alarm

At any stage during the initiation of an emergency / assist alarm it can be cancelled. To cancel the alarm press and hold the **▶** button, the display will confirm this action with the following message:


11:34AM 12.03.07		Day
Paul Smith		
Clearing Alarm		

## Dead Man & Man Down Alert


Your EkoTek pager is equipped with a 'Dead Man Alert' and a 'Man Down' alarm facility. These features have to be enabled by the system supervisor.


### Dead Man Alert

The 'Dead Man' alert operates by initiating an alert to the EkoTek pager at pre-set time intervals, this alert must be acknowledged by single press on **any** of the pager buttons (other than the red alert button) within a pre-set time period. Please note that the system supervisor configures both the frequency of the 'Dead Man' alert and the required response time.

11:34AM 12.03.07  Day
Paul Smith
Press any key to cancel

If the alert is not acknowledged within the pre-set time period the EkoTek pager will automatically initiate the following alarm escalation sequence:

11:34AM 12.03.07  Day
Paul Smith
Raising Alarm

11:34AM 12.03.07  Day
Paul Smith
Alarm Delivered

## EkoTek Pager


Please note that at any stage during the 'Dead Man' alert process it is possible to cancel the alarm by pressing the ► button.

### Man Down Alert


The 'Man Down' alert operates by automatically initiating an alert sequence if the EkoTek pager is tipped over:




If the EkoTek pager is tipped-over after a pre-set time interval the pager will beep and will display following warning:

11:34AM 12.03.07		Day
Paul Smith		
Return unit to upright		

This allows the unit to be returned to an upright position, terminating the alarm sequence. If the EkoTek pager cannot be righted the following alarm escalation sequence will be initiated:

11:34AM 12.03.07		Day
Paul Smith		
Raising Alarm		

11:34AM 12.03.07		Day
Paul Smith		
Alarm Delivered		

## EkoTek Pager

Please note that at any stage during the 'Man Down' alert process it is possible to cancel the alarm by pressing the ► button.

## Receiving a Message

When your EkoTek pager receives a message, the lamp, vibrate and the audible alert will activate, unless silent mode has been selected or the vibrate facility has been turned off. The message will be displayed during the alert period.

Your car will be ready for  
collection next Monday  
afternoon■


The end of the message is always shown by the character ■. If the message is very long and cannot be fully displayed the last character will be designated using the following symbol ▶. This indicates that the message continues onto the next screen:

Contact Mr Moore of ABC  
Electronics Tel: 01763-246391.  
The new contract is ready for  
signature can you sign this▶

To see the rest of the message, simply press the ▶ button:

before Wednesday. JILL■

If the message is not acknowledged the EkoTek pager will return to the standby screen indicating that a message has been received:


3:54 PM 12.03.07   
1 Unread Message

## EkoTek Pager

As each new message is received it is stored. The maximum number of messages that can be stored is 6. To make room for new messages your EkoTek pager will start to delete the oldest read messages. If there are no read messages it will delete the oldest unread message.


## Reading a Message

To read a message, press the ▼ button whilst your EkoTek pager is in the standby screen. The most recently received unread message will be displayed:


4:38 PM 12.09.06  Unread  
Your car will be ready for  
collection next Monday  
afternoon■

The top line shows the time and the date the message was received and to the right message status will be displayed, this will either be **Unread** or **Read**.

Press the ▼ button to display the next previously received unread message, or select the ▲ button to display the previously viewed message.

9:05AM 12.09.06  Unread  
Contact Mr Moore of ABC  
Electronics Tel: 01763 - 246391.  
The new contract is ready▶

Using the ▲ and ▼ buttons allow navigation of the stored messages. Unread messages are sorted in time order and are displayed first, followed by the read messages, also in time order.

2:17 PM 12.09.06  Read  
You are booked on Flight BA153.  
Departs at 18:05 ticket  
confirmed. Helen■

## Viewing a Message Again


While a message is being displayed, press the ► button and the message option screen will be displayed. The display response will depend upon the message type received. If it is a single-way message the following options will be displayed:

**> View Again	<**
Delete	
Delete All	
Archive	

If it is a two-way message, the options change to allow initiation of a response (see section on accepting, rejecting and deleting two-way messages):

**> View Again	<**
Accept	
Reject	
Delete	

Both options allow you to view the message. Press the ► button again to select **View Again** the EkoTek pager will display the last message again, which will then remain in the memory for you to view in future, until deleted.

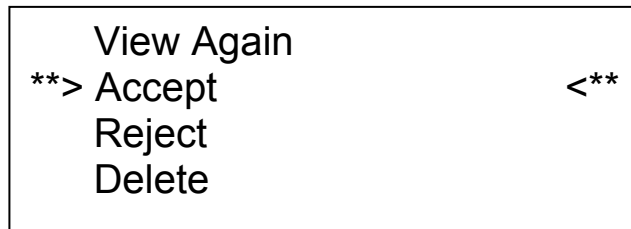
9:05AM 12.09.06 	Read
Contact Mr Moore of ABC Electronics Tel: 01763 - 246391. The new contract is ready ►	

If the message is in an unread state when **View Again** is selected, the status will change to **Read**. Should the **View Again** option be used on a message before it has been retrieved from the memory, the date and time will be displayed with the message when it is displayed again, with the status set to **Read**.

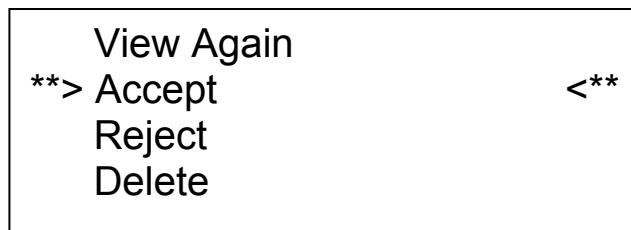
## Accepting, Rejecting & Deleting Two-Way Messages

On receipt of a message press the ► button directly. Or

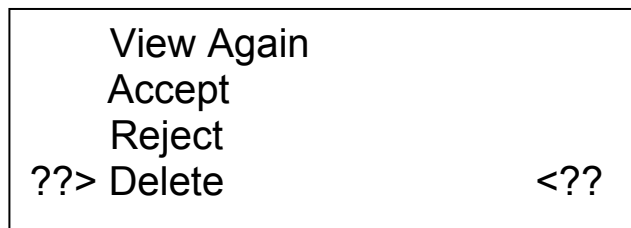
From the standby screen press the ▼ button to read the message, press the ► button to acknowledge the message. For two-way messages the following options screen will be displayed:



**Accept** by pressing the ► button: For other responses to the message press the ▼ button and move the pointers to:, **Reject** or **Delete**. Select the option



If the option chosen is delete then pointer will change to question marks requesting confirmation of the action:



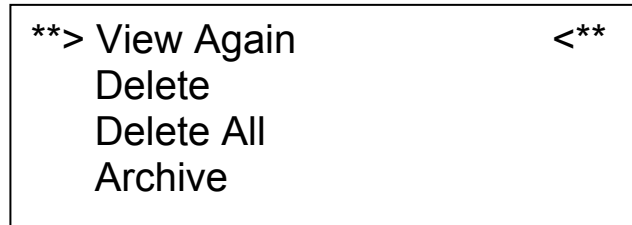
To confirm the action press the ► button, the EkoTek pager will briefly display the following depending on the action selected:

- For **Accept** the response is: **Sending Accept Response**
- For **Reject** the response is: **Sending Reject Response**
- For **Delete** the response is: **Deleting**

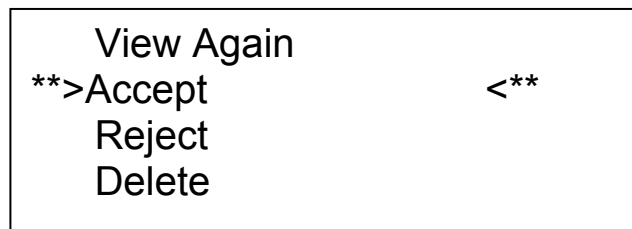
## Deleting a Message

To delete a message, press the ► button when the ■ appears at the end of the message. The message option screens will be displayed depending on the message type received:

For 1-way Messages:

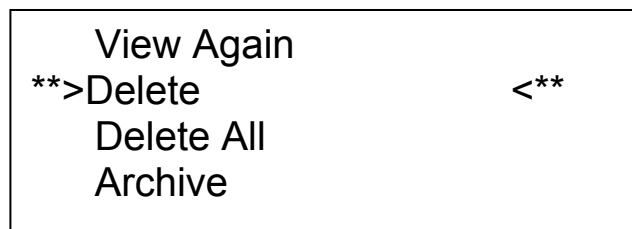


For 2-way Messages:

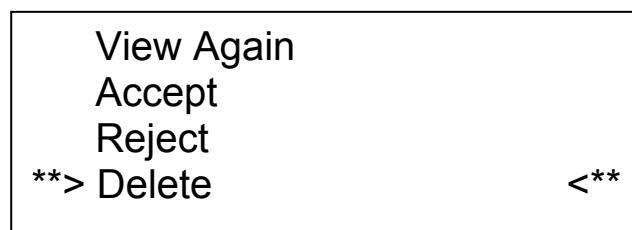


Press the ▼ button to move the pointers to the **Delete** item and select by pressing the ► button:

For 1-way Messages:



For 2-way Messages:



The pointers will change to question marks to show that confirmation of the delete action is required. If you do not want to delete, press the ▲ or ▼ buttons. To confirm that you wish to delete the message, press the ► button again and the screen will briefly display **Deleting**.

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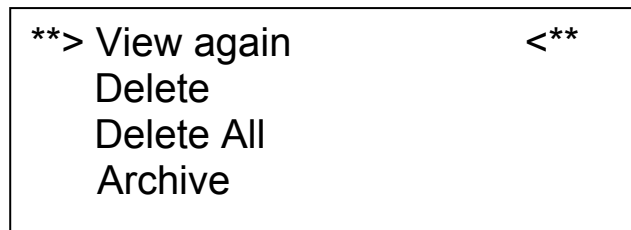
When the current message has been deleted, the previously received message will be displayed. If you wish to delete this message repeat the procedure above. To return to the standby screen press and hold the ► button for one second, if there are no more messages, the following screen will be displayed:



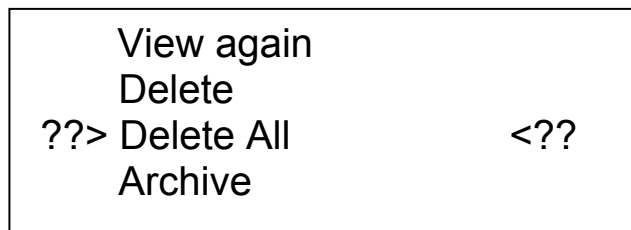
## Delete All Messages

**Note:** The delete all feature is available to all 1-way messages. However, for 2-way messages the delete all feature can only be accessed once the message has been viewed and appropriate action taken.

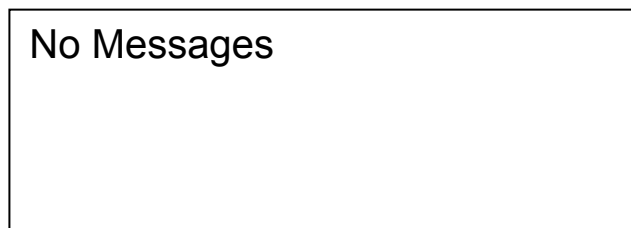
To delete all the messages, press the ► button when the ■ appears at the end of the message. The message option screen will be displayed:



Press the ▼ button to move the pointers to the **Delete All** item and select by pressing the ► button:



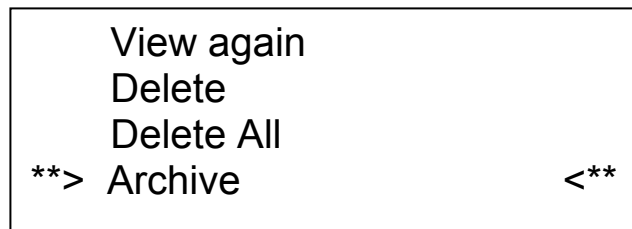
The pointers will change to question marks, to show that confirmation of the delete action is required. If you do not want to delete, press the ▲ or ▼ buttons. To confirm that you wish to delete the message, press the ► button again and the screen will briefly display **Deleting**. Having deleted all the messages the following screen will be displayed:



## Archiving a Message

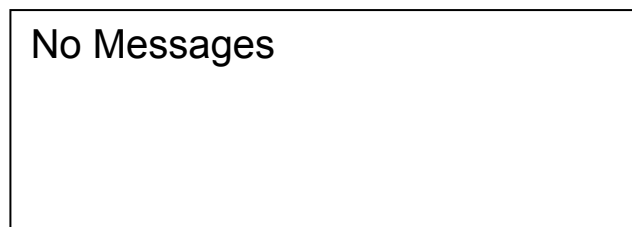
**Note:** *The archive feature is available to all 1-way messages. However, for 2-way messages the archive feature can only be accessed once the message has been viewed and appropriate action taken.*

Messages may be stored for reference, by using the archive facility. The EkoTek pager cannot automatically delete archived messages when the message memory is full, only the user can delete messages. At the end of the message you wish to archive, press the ► button to see the message option screen. Move the pointers to the **Archive** item with the ▲ or ▼ button:




Select **Archive** with the ► button and the pointers will change to question marks.

Confirm your selection by pressing the ► button again. The screen will briefly display **Archiving**. When the current message has been archived, the screen will show the previously received message. If you wish to archive this message, repeat the procedure. If there are no other messages, you may return to the standby screen by pressing and holding the ► button for one second. The following screen will be displayed:



## Reviewing Archived Messages

To review your archived messages, press the ▲ button whilst your EkoTek pager is displaying the standby screen:

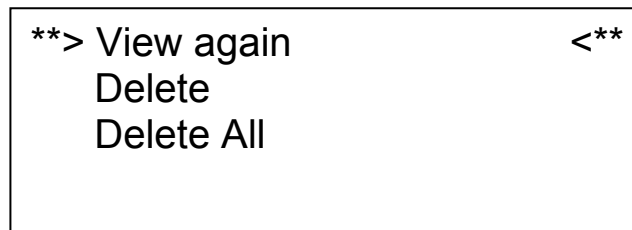
10.50AM 12.09.06  Archive
Bring 2 new demo models to the meeting at 11.30 next Tuesday.
Ruth■

The first screen of the most recent archived message will be displayed. You may select the archived message that you want to review, by pressing the: ▲ or ▼ buttons until the first screen of the message is displayed. If the archived message is several screens long, you can view subsequent screens by pressing the ► button. The last screen of the message will contain the ■ symbol.

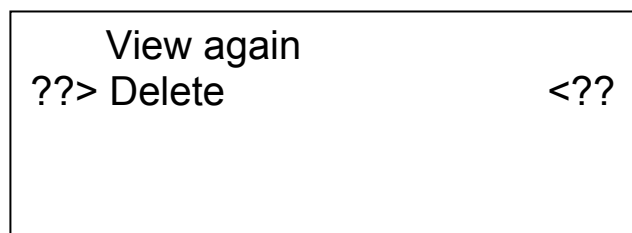
The top line shows the time and date that the message was received and to the right the message status **Archive** is displayed.

## Deleting Archived Messages

To delete an archived message, press the ► button when the ■ symbol appears at the end of the message. The message option screen will be displayed:

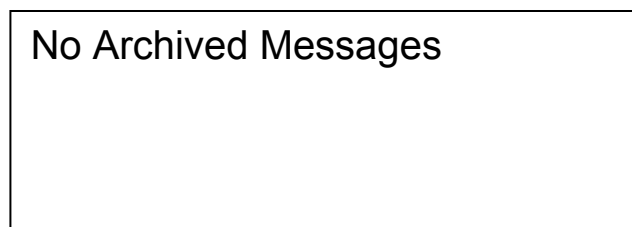


Press the ▼ button to move the pointers to the **Delete** item and select by pressing the ► button. The pointers will change to question marks.



If you do not want to delete, press the ▲ or ▼ buttons. To confirm that you wish to delete the message press the ► button again and the screen will briefly display **Deleting**.

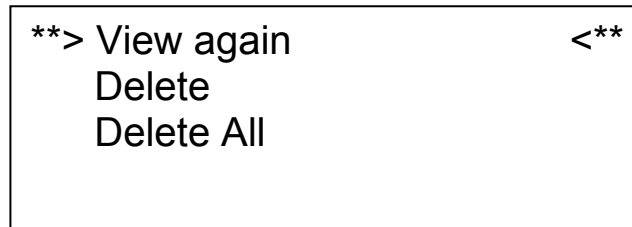
When the current message has been deleted, the previously archived message will be displayed. If you wish to delete this message, repeat the procedure. If there are no more archived messages, the following screen will be displayed:



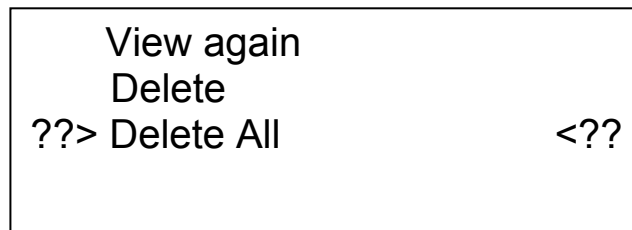
To return to the standby screen, press and hold the ► button for one second.

## Delete All Archived Messages

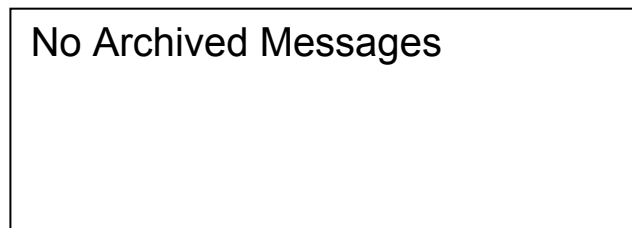
To delete all of the archived messages, press the ► button when the ■ symbol appears at the end of a message. The message option screen will be displayed:



Move the pointers to the **Delete All** item by pressing the ▼ button. Select by pressing the ► button and the pointers will change to question marks:



If you do not want to delete all the messages press the: ▲ or ▼ buttons. To confirm that you wish to **Delete All** the messages, press the ► button again and the screen will briefly display **Deleting**:

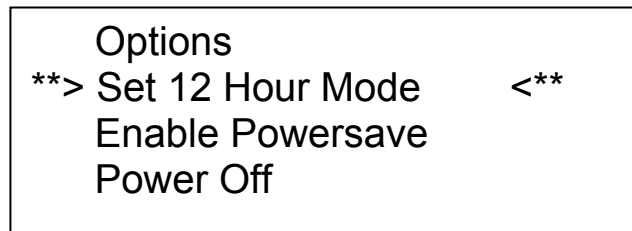


To return to the standby screen press and hold the ► button for one second.

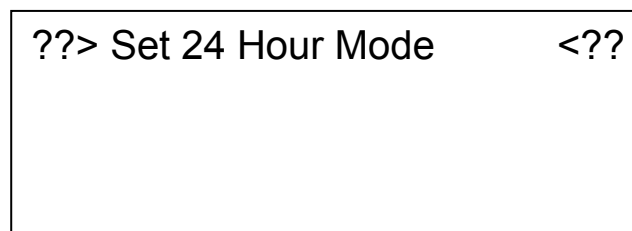
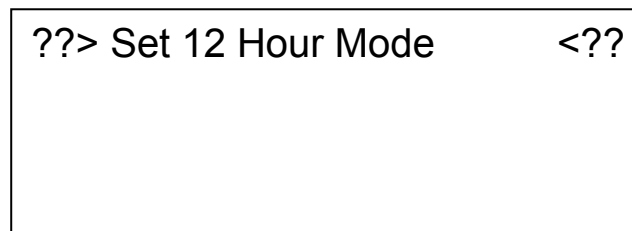
## Set 12/24 Hour Mode

The set 12/24 hour mode function allows you to set 12 hour to 24-hour mode only.

From the standby screen press the ► button. From the options screen move the pointers to **Set 12 Hour Mode or Set 24 Hour Mode** by pressing the ▼ button:



Select this item by pressing the ► button and the pointers will change to question marks. Depending on whether the pager is in 12-hour or 24-hour mode the following screen will be displayed:

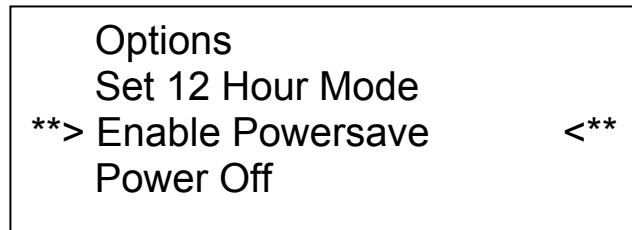


Press the ► button again to confirm the selection.

## Power Save

The power save function allows the display to blank after a period to extend the battery life.

From the standby screen press the ► button. From the options screen move the pointers to '**Enable Powersave**' by pressing the ▼ button:



Select by pressing the ► button and the pointers will change to question marks. Press the ► button again to confirm the selection.

## Setting the Alert Options

The EkoTek pager allows full control of how the pager alerts when messages are received, the audible alert and vibrate alert can be set to 'off' or 'on'. From the standby screen press the ► button to select the options screen:

**> Options	<**
Set 12 Hour Mode	
Enable Powesave	
Power Off	

Select **Options** and press the ► button again. The following screen will be displayed:

**> Display	<**
Auto-delete	
Alert	
Set Charge no Rx	

Select **Alert** by pressing the ► button and the following screen will be displayed:

Audible Alert	On
Vibrate Alert	On

You are now able to modify the alert options. The currently selected item will flash and each press of the ► button will advance the selection to the next menu item.

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When the item you wish to change is flashing, press the ▲ and ▼ button to change its value:

The ***Audible Alert*** can be either enabled, or disabled.

The ***Vibrate Alert*** can be either enabled, or disabled.

Once your desired alert options have been selected, press and hold the ► button for one second and the EkoTek pager will return to the standby screen.

## Setting the Message Display Options

Your EkoTek pager is equipped with display options and these may be set according to your personal requirements. To change the message display options, press the ► button from the standby screen. The options screen will now be displayed and select '**Options**' by pressing the ► button:

**> Options	<**
Set 12 Hour Mode	
Enable Powersave	
Power Off	

Move the pointers to **Display** by pressing the ▼ button and select this item by pressing the ► button:

**> Display	<**
Auto-delete	
Alert	
Set RX on Charge	

The following screen will be displayed:

Font	2
Backlight	On
Display Timeout	16s
Contrast	16

The selected item will flash. To select the next item, press the ► button. Each press of the ► button will advance the selection to the next menu item. When the item you wish to change is flashing, press the ▲ or ▼ buttons to change its value.

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The **Font** option can be set to 1, 2 or 3:

- Font option 1: - Corresponds to a text size allowing up to 6 lines per screen (this text size option may be disabled via the programming software).
- Font option 2: - Corresponds to a text size allowing up to 4 lines of larger text per screen.
- Font option 3: - Corresponds to a text size allowing up to 4 lines per screen of larger text, in a bold font (the date stamp can be suppressed via the programming software, when this text size is selected).

The **Backlight** can be either enabled, or disabled. When disabled, it will help to prolong battery life.

The **Display Timeout** can be set to 8, 16 or 32 seconds. This option determines the length of time that selected screen remains on display before reverting back to the standby screen, if no buttons are selected.

The **Display Contrast** can be increased, or decreased.

When you have finished setting your display options, return to the standby screen by pressing and holding the ► button for 1 second.

## Setting Auto Delete

The **Auto Delete** function allows you to set the maximum number of stored messages, excluding those in the **Archive** memory. If the number of messages in the memory exceeds the selected number, then the oldest read message is deleted. Should there be no read messages, then the oldest un-read message is deleted instead.

If the **Auto Delete** value is changed and the number of messages in the memory exceeds the new setting, then one message will be deleted per minute, until the memory equals the new setting. The available options are 1 through to 6 messages. To access the **Auto Delete** function, press ► the button to display the options screen.

**> Options	<**
Set 12 Hour Mode	
Enable Powersave	
Power Off	

Press the ► button to select '**Options**'. Move the pointers to **Auto-delete** by pressing the ▼ button and select using the ► button:

Display	
**> Auto-delete	<**
Alert	
Set RX on Charge	

The following screen will then be displayed:

Auto-delete	5
-------------	---

To set up **Auto-delete**, press the ▲ or ▼ button to change the setting and then return to the standby screen by pressing and holding the ► button for one second.

## Set RX on charge / Set Charge no RX

When using a charging rack for charging the pager the option exists to still receive alerts when on charge.

To access the **Set RX on Charge / Set Charge no RX** function, press ► the button to display the options screen.

```
**> Options < **
Set 12 Hour Mode
Enable Powersave
Power Off
```

Press the ► button to select **Options**. Move the pointers to **Set RX on Charge** or **Set Charge no RX** (display depends on current setting. i.e. if the display offers 'Set Charge no Rx' the current setting is Rx on charge) by pressing the ▼ button and select using the ► button to toggle between settings

```
Display
Auto-delete
Alert
**> Set Charge no RX < **
```

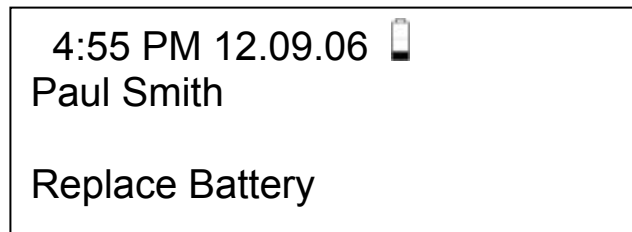
Select by pressing the ► button and the pointers will change to question marks. Press the ► button again to confirm the selection.

## Changing the Battery

The pager displays the battery condition (🔋) in the top line of the display. The black bar indicates the level of charge.

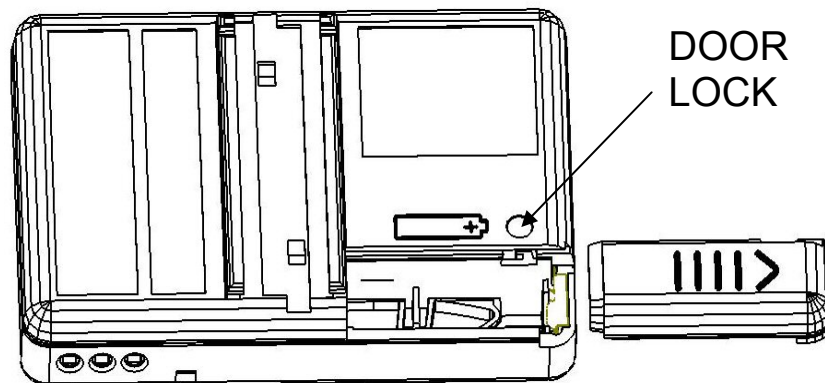
When the battery is near the end of its operating life, the EkoTek pager is programmed to provide a visual, audio and vibrate alert warning. The normal audible beep alert will change to a different tone and the **Replace Battery** warning will be displayed on the standby screen:

## EkoTek Pager



The EkoTek pager will continue to operate normally for several days. To ensure that calls are not missed, the old battery should be replaced with a fresh AAA sized cell as soon as possible.

To remove the battery door, press and hold the battery door lock "pip" on the back of your EkoTek pager. At the same time slide the battery door off in the direction of the arrow.



Insert the new battery in the direction as shown on the case back, by sliding in the negative (-) end first. Slide the battery door back into position so that it locks automatically with a click.

Dispose of the old battery carefully with consideration for the environment and do not recharge or incinerate alkaline batteries.

EkoTek Pager

**Notes:**



EkoTek Pager

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