



*"Linking With Your Life Styles"*

*Intruder*

*Numeric Pager*

*USER'S GUIDE*

### **FCC Information/Warning Statement**

Mode Name: INTRUDER

Mfg.: WIRELINK COMMUNICATION INC.

Rating: ONE AAA 1.5 Alkaline Battery

Frequency: 151MHz-159MHz

FCC ID: NUJINTRU189F

This device complies with Part 15 of the FCC Rules.

Operation is subject to the condition that this device does not cause harmful interference.

## INTRODUCTION

Congratulations on your wise choice of purchasing the "**Intruder**". The Intruder offers over the air programming, which means that it can not only activate your pager but also deactivate it. The Intruder numeric display radio pager is miniature and microprocessor controlled receivers with a 12-digit numeric display. It is powered by a single AAA battery and operates in the 151-159MHz frequency range.

The pager is housed in a high-impact plastic case that offers excellent protection against dust and shock. The pager holster with a clip attached provides convenient access for users and fits comfortably in any style of wear apparel.

The special features of the Intruder include the following:

- Individual/Group Paging
- Musical Caller ID
- Emergency Alert
- Error Data Detection
- Pager Auto On/Off
- Pager's Password
- Message Source Indication
- Manual Programming
- Stop Watch

The Intruder also has a Message Caller ID, with the following built-in messages:

- ALL RIGHT
- PLEASE PAY
- HAPPY BIRTHDAY
- I LOVE YOU
- LETS GO OUT
- RETURN CALL
- SEND INFORMATION
- CALL OFFICE
- BE CAREFUL
- DATE CANCELLED
- HURRY UP
- NEED A RIDE
- STOP CALLING
- SEE YOU SOON

## Standard Features\*

- Alarm Clock
- All Messages Delete
- Backlight
- Duplicate Message Indication
- Low Battery Indication/Alert
- Message Full Indication/Alert
- Message Time Stamping
- Sequential Message Display
- Service Area Indication
- Time/Day Display
- Tone Only Message Display
- Unread Message Indication/Alert
- User-Selectable Tone/Musical/Vibration Alert
- 4 Cap-Code
- 7 Message Lock
- 15 Messages/300 Characters Capacity

## Special Features\*

- Emergency Alert
- Error Data Detection
- Individual/Group Paging
- Manual Programming
- Message Caller ID (14 Messages Built In)
- Message Source Indication
- Musical Caller ID
- Over The Air Programming
- Pager Auto On/Off
- Pager's Password
- Stop Watch

## Specifications\*

|                   |                       |                            |                      |
|-------------------|-----------------------|----------------------------|----------------------|
| Frequency         | 151/159 - 929/932 MHz | Spurious Rejection         | > 50dB               |
| Baud Rate         | 512/1200/2400 BPS     | Paging Sensitivity         | 5 $\mu$ V/m          |
| Channel Spacing   | 25KHz                 | Frequency Stability        | $\pm$ 5ppm           |
| Code Format       | POCSAG                | Battery Type               | ONE "AAA" 1.5 V      |
| Modulation System | FSK                   | Battery Life**             | 30 Days              |
| Deviation         | $\pm$ 5KHz            | Weight W/Battery & Holster | Approximately 2.5 oz |
| Selectivity       | > 60dB                | Dimension                  | 60WX45HX15D MM       |

\* Features & Specifications & Pager color are subject to change without further notice.

\*\* Typical battery life may depend on system loading.

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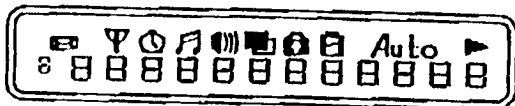
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## A. PRODUCT FEATURES

1. 7 MESSAGES LOCK
2. 15 MESSAGES/300 CHARACTERS CAPACITY
3. AUTO POWER ON/OFF
4. BACKLIGHT
5. BEEP/MUSICAL ALARM CLOCK
6. DUPLICATE MESSAGE INDICATION
7. EMERGENCY ALERT
8. ERROR DATA DETECTION
9. FULL MESSAGE LOCK INDICATION
10. INDIVIDUAL/GROUP PAGING
11. LOW BATTERY INDICATION/ALERT
12. MESSAGE BACKUP
13. MESSAGE CALLER ID
14. MESSAGE CLEAR
15. MESSAGE FULL INDICATION
16. MESSAGE SOURCE INDICATION
17. MESSAGE TIME STAMPING
18. MUSICAL CALLER ID
19. OUT OF RANGE INDICATION
20. SEQUENTIAL MESSAGE DISPLAY
21. STOP WATCH
22. TIME/DAY DISPLAY
23. TONE-ONLY MESSAGE DISPLAY
24. UNREAD MESSAGE INDICATION/ALERT
25. USER-SELECTABLE BEEP/MUSICAL/VIBRATOR ALERT

## B. INDICATOR SYMBOLS

1. LCD DISPLAY OVERVIEW

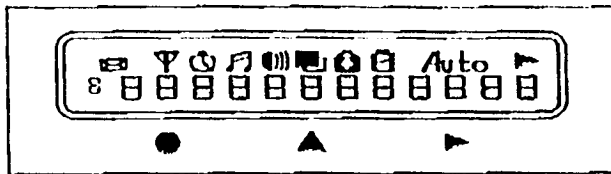


2. KEY-BUTTONS

- PAGER ON/READ/RESET BUTTON

▲ PAGER FUNCTION/LOCK BUTTON

► PAGER SELECT/LIGHT BUTTON



### 3. INDICATOR SYMBOLS DESCRIPTION

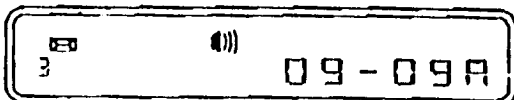
- ☐ MESSAGE (blinking for the unread message)
- 🔔 OUT OF RANGE
- 🕒 ALARM CLOCK
- 🎵 MUSICAL TONE ALERT
- 🔊 BEEP TONE ALERT
- 📄 DUPLICATE MESSAGE
- 🔒 MESSAGE LOCK
- 🔋 BATTERY LOW
- Auto AUTO POWER ON/OFF
- SEQUENTIAL MESSAGE
- 🕒 DAY

## C. SETTING INSTRUCTION

### 1. SETTING THE PAGER ON/OFF

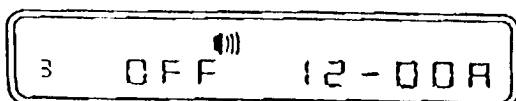
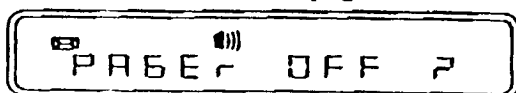
There is a time limit (10 seconds) for setting each function. If you run out of time in each function setting, then the setting screen will return to the main status screen automatically.

(1) Press ● key to set the pager ON.



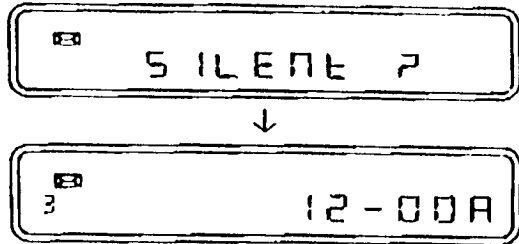
(2) Press ▲ key to move to the "PAGER OFF" screen.

(3) Press ► key to set the pager OFF.



## 2. SETTING THE AUDIO/SILENT

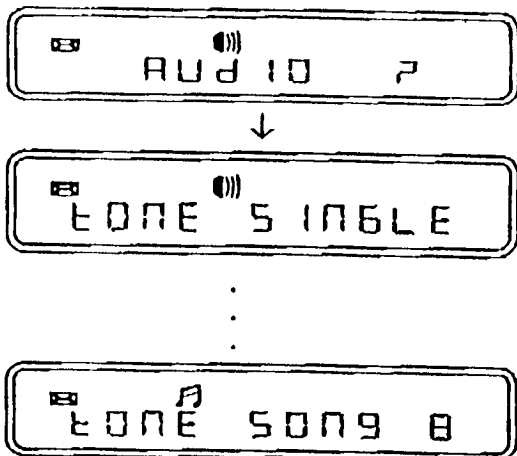
- (1) Press ▲ key to move to the "SILENT ?" screen.
- (2) Press ► key to set the pager to the vibrator mode.
- (3) Press ● key to return to the main status screen.



- (1) Press ▲ key to move to the "AUDIO ?" screen.
- (2) Press ► key to set the pager to the AUDIO mode.
- (3) Press ▲ key to select the "BEEP TONE" alerts or "MUSICAL TONE" alerts.
- (4) Press ► key to set the default beep tone alert or musical tone alert for the pager.

At anytime, you can press ● key to return to the main status screen.

If you set the pager in "BEEP TONE" alert mode, then the "BEEP TONE" alert symbol will display on the screen or the "MUSICAL TONE" alert symbol will display on the screen.



## 3. SETTING THE PAGER'S TIME

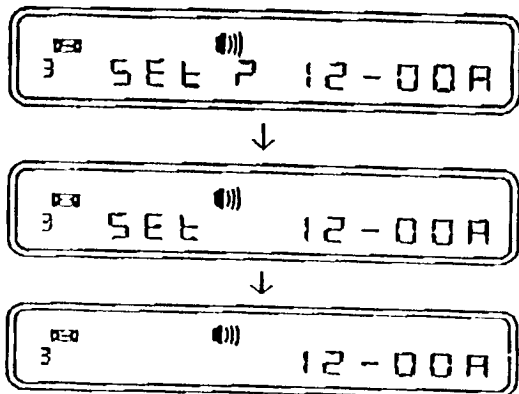
- (1) Press ▲ key to move to the "SET ? 12-00A" screen.
- (2) Press ► key to move to the blinking digit of hours.
- (3) Press ▲ key to change the digit of hours.



- (4) Press ► key to move to the first digit of minute.
- (5) Press ▲ key to change the first digit of minute.
- (6) Press ► key to move to the second digit of minute.
- (7) Press ▲ key to change the second digit of minute.
- (8) Press ► key to move to the digit of day.
- (9) Press ▲ key to change the digit of day.

Note: If the digit of day is set as "-", then the day function will not display on the screen.

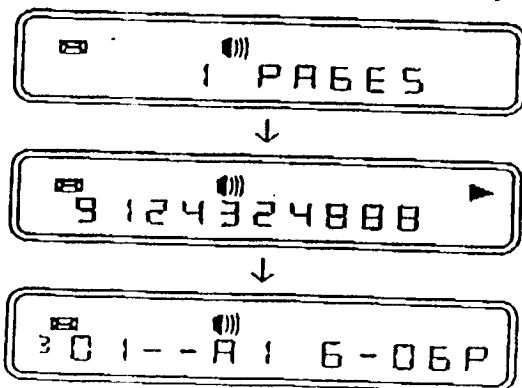
- (10) Press ► key to move around the setting of digits.
- (11) Press ● key to return to the main status screen.



#### 4. READ MESSAGE(S)

The pager is starting to receive message when the pager's power is ON. When a message is being received, the pager emits a 8 second alert with blinking message symbol (☒). The main status screen will display "1 PAGES", the 8 seconds alert will stop automatically unless the pager is reset by pressing any one of the three buttons. You can press ● key to read message or you can press and hold ● key for quick view all messages. The time stamping screen with sequential number of message, Source Address ID and time stamping will follow the message screen. Each screen will stay 8 seconds, then return to the main status screen automatically.

Note: To eliminate the unread message symbol blinking, you must read all unread messages.



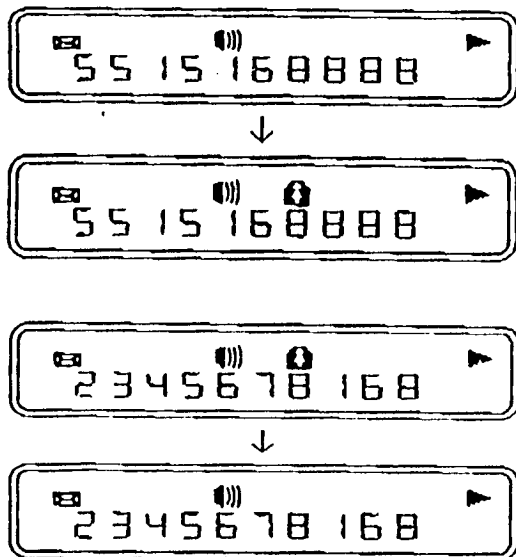
## 5. MESSAGE LOCK/UNLOCK

Press ► key to the message screen, you can press ▲ key once to lock or unlock the message.

When the message is locked, the message lock symbol (  ) will appear on the screen.

When the message is unlocked, the message lock symbol (  ) will disappear on the screen.

Note: To keep the locked message on pager while replacing battery, please turn the pager OFF before removing the battery. There is a time limit (8 second) for keeping the locked message or unread message in pager while replacing the battery.



## 6. SETTING THE MESSAGE CLEAR

If there are no messages stored in the pager, the following screen does not exist.

(1) Press ▲ key to move to the "CLEAR ALL" screen.

(2) Press ► key to the "CLEAR SURE ?" screen.

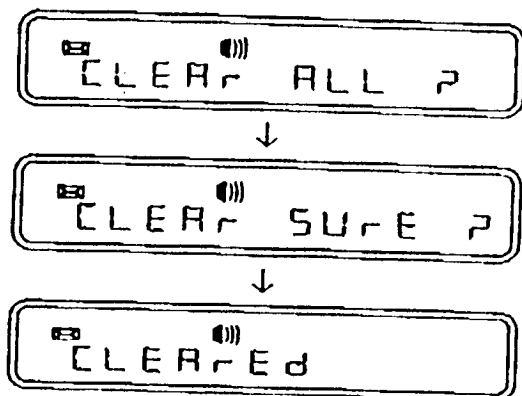
(3) Press ► key ONCE to delete ALL messages.

The Messages are **WITHOUT** the message lock function will be deleted.

(4) The "CLEARED" message will display on the screen.

Note: The messages **WITH** the message lock function and **UNREAD** message(s) will not be deleted. To keep the locked messages in the pager while replacing battery, please turn the pager OFF before removing the battery. There is a time limit (8 second) for keeping the

locked message or unread message in pager while replacing the battery.

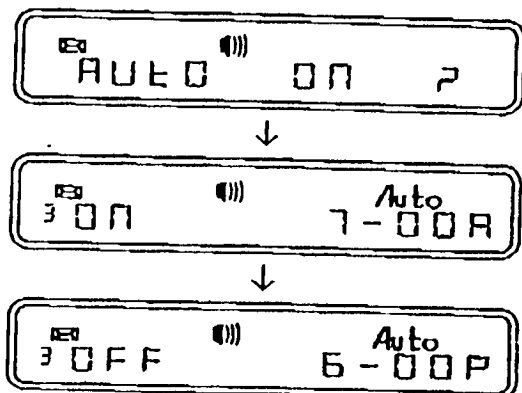


## 7. SETTING THE PAGER AUTO ON/OFF TIME

### a. ACTIVATE PAGER AUTO ON/OFF TIME:

- (1) Press ▲ key to move to the "AUTO ON ?" screen.
- (2) Press ► key to set the hour digits of pager's AUTO ON time.
- (3) Press ▲ key to change pager's AUTO ON hour digits.
- (4) Press ► key to set the minute digits of pager's AUTO ON time.
- (5) Press ▲ key to change pager's AUTO ON minute digits.
- (6) Press ► key to set the hour digits of pager's AUTO OFF time.
- (7) Press ▲ key to change pager's AUTO OFF hour digits.
- (8) Press ► key to set the minute digits of pager's AUTO OFF time.
- (9) Press and hold ► key for 3 seconds to set the pager's AUTO ON/OFF time. Or
- (10) Press ● key to set the pager's AUTO ON/OFF time and return to the main status screen.

When you activate the PAGER AUTO ON/OFF function, the "Auto" indicator symbol will display on the upper right corner screen.



## b. DEACTIVATE PAGER AUTO ON/OFF TIME:

- (1) Press ▲ key to move to the "AUTO OFF ?" screen.
- (2) Press ► key to deactivate the pager's AUTO ON/OFF time.

When you deactivate the PAGER AUTO ON/OFF function, the "Auto" indicator symbol will disappear from the upper right corner screen.



## 8. SETTING THE ALARM CLOCK

This function is **ONLY** available when the pager is turned ON.

### a. SET THE ALARM CLOCK ON:

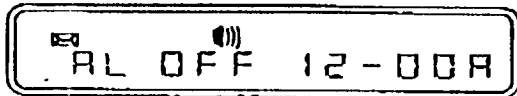
- (1) Press ▲ key to move to the "AL OFF 12-00A" screen.
- (2) Press ► key to move to the blinking OFF screen.
- (3) Press ▲ key to set the ALARM CLOCK ON.

The ALARM CLOCK symbol will display on the screen.

- (4) Press ► key to move to the first digit of alarm clock hours.
- (5) Press ▲ key to set or change the hour digits of alarm clock.
- (6) Press ► key to move to the second digit of alarm clock minutes.
- (7) Press ▲ key to set or change the minute digits of alarm clock.
- (8) Press ► key to move to the next digit of minutes.
- (9) Press ▲ key to set or change the minute digits of alarm clock.

You can press ► key to move around the whole setting procedures.

- (10) Press ● key to return to the main status screen, or you can press and hold ► key for 3 seconds to return to the main status screen.



#### **b. SET THE ALARM CLOCK OFF:**

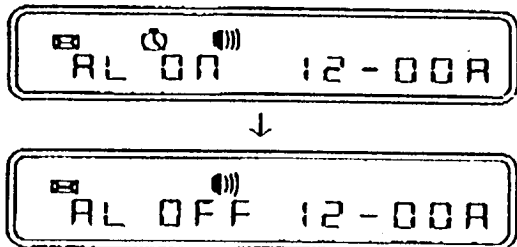
(1) Press ▲ key to move to the "AL ON 12-00A" screen.

(2) Press ► key to move to the blinking ON screen.

(3) Press ▲ key to set the ALARM CLOCK OFF.

The ALARM CLOCK symbol will disappear from the screen.

(4) Press ● key to return to the main status screen, or you can press and hold ► key for 3 seconds to return to the main status screen.



### **9. SETTING THE MUSICAL ALARM CLOCK**

This function is **ONLY** available when the pager is turned ON.

#### **a. SET THE MUSICAL ALARM CLOCK ON:**

(1) Press ▲ key to move to the "SA OFF 12-00A" screen.

(2) Press ► key to move to the blinking OFF screen.

(3) Press ▲ key to set the ALARM CLOCK ON.

The ALARM CLOCK symbol will display on the screen.

(4) Press ▲ key to select the MUSICAL ALARM CLOCK.

(5) Press ► key to move to the first digit of alarm clock hours.

(6) Press ▲ key to set or change the hour digits of alarm clock.

(7) Press ► key to move to the second digit of alarm clock minutes.

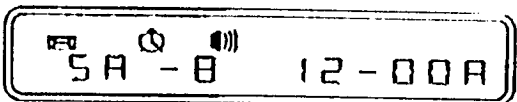
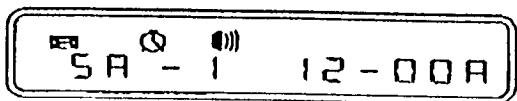
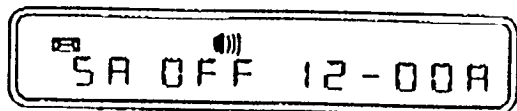
(8) Press ▲ key to set or change the minute digits of alarm clock.

(9) Press ► key to move to the next digit of minutes.

(10) Press ▲ key to set or change the minute digits of alarm clock.

You can press ► key to move around the whole setting procedures.

(11) Press ● key to return to the main status screen, or you can press and hold ► key for 3 seconds to return to the main status screen.

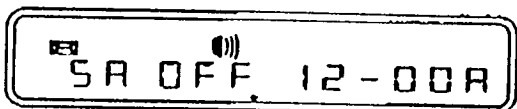
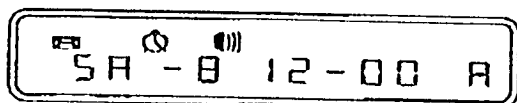


#### b. SET THE MUSICAL ALARM CLOCK OFF:

- (1) Press ▲ key to move to the "AL - 8 12-00A" screen.
- (2) Press ► key to move to the blinking ON screen.
- (3) Press ▲ key to set the MUSICAL ALARM CLOCK OFF.

The MUSICAL ALARM CLOCK symbol will disappear from the screen.

- (4) Press ● key to return to the main status screen, or you can press and hold ► key for 3 seconds to return to the main status screen.



## 10. SETTING THE STOP WATCH

- (1) Press ▲ key to move to the "00 - 00 - 00" screen.
- (2) Press ► key to activate the STOP WATCH function.
- (3) Press ► key ONCE to stop or activate the STOP WATCH counter.
- (4) Press and hold ► key for 3 seconds will reset the STOP WATCH counter to 00.
- (4) Press ▲ key or ● key to return to the main status screen.
- (5) If there are incoming messages during the STOP WATCH function, then the function will be terminated and the pager will keep receiving message(s).



## D. Operating Instruction

### 1. UNREAD MESSAGE INDICATOR/ALERT

- (1) When the pager receives a message, you can press ● key to stop receiving alert.
- (2) If there are any unread message(s), a "PAGES" message will be displayed on the screen, and indicator symbol is blinking in the left upper screen, and every 2 minute a "BEEP" alert will remind you of the unread message(s).
- (3) If the unread messages are full, then the "PAGEr OUer" message will display on the screen.

### 2. LOW BATTERY INDICATOR/ALERT

When the pager's battery is low, (  ) indicator symbol will display on the screen and there is a beep alert to remind you to replace battery.

### 3. BACKLIGHT

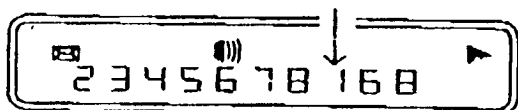
- (1) On the message screen, press ► key to turn on pager's light.
- (2) Press ► key ONCE to turn off pager's light or after 10 seconds the pager's light will be off automatically.

### 4. OTHER FUNCTION SCREEN DESCRIPTION

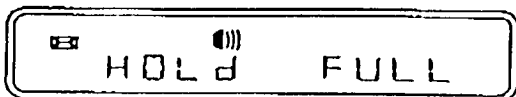
#### ALARM CLOCK ACTIVATION



#### ERROR MESSAGE INDICATION(error character blinking)



#### FULL MESSAGE LOCK



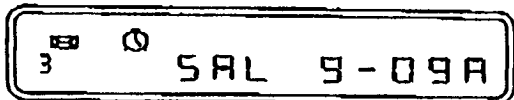
LOW BATTERY INDICATION



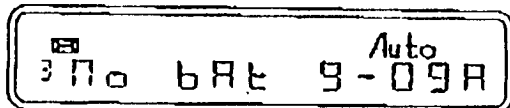
MESSAGE FULL



MUSICAL ALARM CLOCK ACTIVATION



NO BATTERY INSTALLED



NO MESSAGE



OVER THE AIR LOCK(deactivate pager)



PAGER AUTO OFF INDICATION



PAGER IS LOCKED (unavailable for reading message)



TONE ONLY MESSAGE

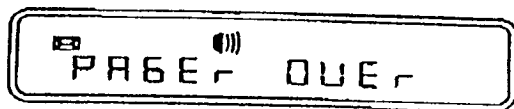


UNREAD MESSAGE





UNREAD MESSAGE OVER LOAD



## 5. MUSICAL CALLER ID

This feature can ONLY be activated in the pager's AUDIO mode.

### a. Pager Without Extension Code:

For Example:

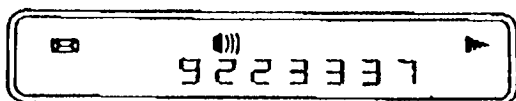
| Pager's No. | Paging Tone | Function Key | Musical Caller ID No.(1--8) | Message No. |
|-------------|-------------|--------------|-----------------------------|-------------|
| 1234567     | "DODO...."  | **           | 1                           | 9223337 #   |



### b. Pager With Extension Code:

For Example:

| Pager's No. | Paging Tone | Extension Code | Function Key | Musical Caller ID No.(1--8) | Message No. |
|-------------|-------------|----------------|--------------|-----------------------------|-------------|
| 1234567     | "DODO...."  | 168            | **           | 2                           | 9223337 #   |

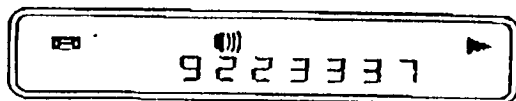


## 6. EMERGENCY MUSICAL CALLER ID

This feature can be activated in the pager's SILENT mode with VIBRATOR and SIREN alert.

For Example:

| Pager's No. | Paging Tone | Function Key | Musical Caller ID No. | Message No. |
|-------------|-------------|--------------|-----------------------|-------------|
| 1234567     | "DODO...."  | **           | 9                     | 9223337 #   |



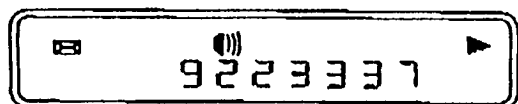
## 7. MESSAGES CALLER ID

This feature can be activated in the pager's AUDIO or SILENT mode.

For Example:

|             |             |              |                                |             |
|-------------|-------------|--------------|--------------------------------|-------------|
| Pager's No. | Paging Tone | Function Key | Messages Caller ID No.(00--13) | Message No. |
| 1234567     | "DODO...."  | *            | 06                             | 9223337 #   |

00="ALL RIGHT", 01="BE CAREFUL", 02="CALL OFFICE", 03="DATE CANCEL",  
 04="HPY BIRTHDAY", 05="HURRY UP", 06="I LOVE YOU", 07="LETS GO OUT",  
 08="NEED A RIDE", 09="PLEASE PAY", 10="RETURN CALL", 11="SEE YOU SOON",  
 12="SEND INFO", 13="STOP CALLING"



## E. Install And Replace Battery

If your replacement battery time is over 8 seconds, then the message **WITHOUT** message lock and time setting will be cleared. Please write down the important message(s).

If your replacement battery time is within 8 seconds, then the message(s) **WITH** message lock and unread message(s) will be saved.

1. Turn the pager off.
2. The pager is designed to operate on one AAA-size alkaline battery.
3. Remove battery door at the back of pager, then insert a AAA-size battery and close the battery door.
4. Please remove battery from receptacle, if you do not intend to use pager for one week.

**After the battery is been replaced,**

- (1) If there is a short beep alert, then the current message(s) and time setting have been saved.
- (2) If there is a long beep alert, then the current message(s) and time setting have been cleared.

## F. Maintenance And Care

1. Avoid direct exposure under the sun.
2. Keep away from high temperatures.
3. Avoid immersion in water.
4. Please use soft damp cloth to wipe off the dust.

5. Any other cleaning solution is not recommended.

## **G. Services**

1. To activate your pager, please contact your paging service provider.
2. Warranty void, if user open the pager's housing.
3. For the pager's hardware service, please contact the nearest authorized dealer.

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