



**Programming Manual  
For  
N8T Numeric Pager**

## GENERAL SPECIFICATIONS

- |                        |                               |
|------------------------|-------------------------------|
| 1) Number of Addresses | 4                             |
| 2) Memory Size         | 12 x 20 character MSG         |
| 3) Display             | 9 segments Numeric            |
| 4) Character           | 14 characters with icons      |
| 5) Messages            | Maximum 12                    |
| 6) Message control     | Fixed 20 character per MSG.   |
| 7) Public/ Private     | Single holder for 4 addresses |
| 8) Stand by screen     | Month / Date Current Time.    |
| 9) Error Message       | Blinking character            |
| 10) Number of Keys     | Fixed 3 keys                  |

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## Programmer Kit

Pager Programmer (YO86)	1 off
Parallel Connection Cable	1 off
9V DC Adaptor	1 off
Program (V1.13)	1 off

## Connection

1) Connect the pager programmer to the PC parallel port using the connection cable provided. Fit the 9V DC Adaptor connection cable to the side of the Programmer Shoe. Confirm that the red indicator is lit.

**Warning: only use the 9V DC Adaptor supplied. Use with non-standard power adaptors may cause irreparable damage to the programmer, the pager or both.**

2) Copy the programming S/W to your local hard disk.

**Note! The software should be run on Win XP. It is not compatible with Win 98, 95 or other previous windows platforms**

## Programming

1) Start the program and select the relevant features on the three-page menu, as described below.

2) Remove the battery cover & battery from the pager and Insert the pager into the shoe. Close the locking bar. Click on "Write to Pager" on the top toolbar. The screen will show progress and will confirm successful completion.

3) To review a pager's contents, click on "Read from Pager" on the top toolbar.

4) To save a configuration, select File, Save, on the top toolbar. The file can then be loaded for future use.

## FUNCTION & FEATURES

### Page 1 Menu

#### 1) [Capcode]

4 addresses.

All cap codes are frame independent, maximum 4 frames.

Capcodes must be within the following ranges: 8-2007663;  
2007672-2045055; 2045064-2097143.

#### 2) [Status]

Tick Box: each address can be enabled/disabled independently.

#### 3) PLL Select

This is an engineering function used to detect the PLL device type used on the pager. It is therefore not accessible to the user.

#### 4) Baud Rate

2400bps / 1200bps / 512bps can be selected.

#### 5) [Freq]

Input the desired frequency within the frequency band (12.5 KHz or 10 KHz spacing). 12.5 KHz should be selected for Scope pagers.

#### 6) Data Polarity

Normal/Invert selection. Pre-defined by the system transmitter, default is "Normal" for Scope transmitters.

#### 7) [Serial No.]

Enter the serial number of the pager for reference.

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### **8) [Hello Message]**

Total of 14 characters can be entered as a power up message (note “illegal” characters such as “K”, “X”, “Q”, “V” and “Z”, which cannot be shown due to the limitation of the 9 segment numeric display).

### **9) [Daily Alarm Function]**

If Tick box is left blank, Daily Alarm is inhibited and does not show on the pager menu.

### **10) [Date/Time Display]**

If Tick box is left blank, Time display will not be shown on the pager and Time stamping will be disabled.

### **11) [Sleep Timer Function]**

If Tick box is left blank, sleep timer is inhibited and does not show on the pager menu.

### **12) [Pager Off Menu]**

If Tick box is left blank, pager cannot be switched off by the user.

### **13) [Alert Reset]**

When Enabled on selected or all addresses, an incoming call will give an audible alert until acknowledged by the user pressing any button. This audible alert will override all set alerts, including vibrate only mode.

### **14) [Urgent Call Addr.]**

When enabled on selected or all addresses, pager will alert with a special Two Tone + Vibrate alarm. This Urgent call will override any Alert Mode setting, and will always take first priority.

### 15) [Urgent Call tone]

Urgent Call can be set to respond to any or all beep types.

### 16 [Tone Type Select]

i) **ABCD+Music**: When selected, pager will receive and play different beep tones for A,B,C,D calls. Urgent Call will always override.

ii) **Tone+Music**: Fixed beep type. Pager will receive but does not play different beep tones. Urgent Call will always override.

### 17) [Alert Duration]

Selectable as 1,2,3,4,8,16,32,64 seconds.

### 18) [Alert Type]

There are total of 9 options which can be selected.

- i) T /V /T+V /M
- ii) V /T /T+V/ M
- iii) T /V /T+V
- iv) V /T /T+V
- v) T /M
- vi) V /M
- vii) T only. No menu on pager (locked)
- viii) V only. No menu on pager (locked)
- ix) T+V. No menu on pager (locked)

T : Beep V : Vibrate TV : Beep + Vibrate M : Mute

**19) [Vibrate Pattern]**

In case of TV or V, pager can be programmed with different Vibrate Patterns:

- A) 1 + 1 + 1 + 1 + .... 1Hz Vibrate.
- B) A/B/C/D function pattern.
- C) Special: Scope Vibrate pattern.
- D) Continuous

**20) [Special Vib A time]**

When [Vibrate Pattern] is set to “C” (Scope Special vibrate pattern), the “A” call type duration is adjustable between 1 and 12 seconds (B,C, and D call types are fixed at 12 seconds).

**21) [Time Format]**

Selectable as 12 or 24 Hr.

**22) [Date format]**

DDMM Date/ Month (UK Style)  
MMDD Month / Date (USA Style)

**23 [Num. Char Set]**

“0..9AU -][“ is the default setting for English use  
“0..9ABCDE” is for special character use only

**Page 2 Menu**

**24) [Canned Message Enable]**

If selected as Valid, pager can display programmed canned messages on the screen.

- i) Canned Message Style.  
Tone Only Canned Message and Normal Canned Message can be enabled. If Tone Only Canned Message is used, pager will display 12 digits of canned message when receiving tone only messages. Four canned messages are linked to A/B/C/D call types. If Normal Canned Message is used, pager will display 6 digits of canned message with maximum 20 choices programmable. Up to three combined canned messages can be displayed on the screen (as one message).
  
- ii) Normal Canned Message Command Selection  
“ - - “ , “ [ [ “ , “ ] ] “ can be selected as Normal canned message control code.  
e.g. enter capcode, control code and message number.  
0960008A[[02  
Note: messages 0 to 9 must be input as “00” to “09”.

**Page 3 Menu**

**25 [Dup Msg Rejection]**

If Tick box is checked, pager will not receive the same message within the set detecting time.

**26 [Dup Msg Time]**

Selectable as 1 to 6 minutes.

**27) [Repeat Message Tone]**

Short/Long beep selection. If selected as **Short**, pager will generate Short beep when receiving repeated message (same message and beep type), even when in vibrate only mode. If selected as **Long**, pager will display repeat message icon on the screen, but will not beep if set to vibrate only.

**26) [Message Time Stamp]**

If Tick box is checked, messages will be time stamped (note: Time/Date function must be enabled, see Section 10, page 4).

**27) [Message Status]**

When Tick box is left blank, pager does not display message number, message address and function in the display.

**28) [Unread Display]**

When Tick box is checked, if message is not read, Unread icon will appear on the screen.

**29) [Unread Reminder]**

If Tick box is checked, pager will generate short beep every 15 minutes until time limit set (see below).

**30) [Unread Reminder Time]**

30 min / continuous, selectable.

**31) [Full Message Icon]**

When Tick box is checked, "MSG FULL" display will show when the message memory is full.

**32 [Error Correction]**

When Tick box is checked, pager will display ERR if a message is corrupted and cannot be properly displayed.

**33) [Protect Menu]**

When Tick box is checked, messages can be protected (locked).

**34) [Message Order]**

Messages can be displayed in Increment (1-12) or Decrement (12-1) order.

**35) [Number of Messages]**

Number of messages stored is selectable from 1-12.

**36) [Hand Coding]**

To allow the user to hand program the pager, the following functions can be individually enabled by checking the relevant Tick boxes: Password, Baud Rate, Frequency, Addresses. The chosen password (4 digit number) should be entered in the box provided.

### 37) [Over The Air Commands]

#### [OTA Auto Time]

When Tick box is checked, enables Over The Air programming of the time. Control codes are as follows:

```
[ 0090 ] [ _ _ _ _ - 0 ]  _ _ : _ _ 24H  
[ 0090 ] [ _ _ _ _ - 1 ]  _ _ : _ _ AM  
[ 0090 ] [ _ _ _ _ - 2 ]  _ _ : _ _ PM
```

#### [OTA Power OFF]

When Tick box is checked, enables Over The Air switch off. Control code as follows:

```
[ 0091 ] [ 0 ] Power Off
```

#### [OTA Msg Del]

When Tick box is checked, enables Over The Air deletion of all stored messages. Control code as follows:

```
[ 0092 ] [ 0 ] All messages deleted
```

#### [OTA Alert Mode]

When Tick box is checked, enables Over The Air changing of the Alert Mode. Note: this will only allow the Alert Mode to be changed when the [Alert type] option is set to **T/V/T+V/M**. Control codes are as follows:

```
[ 0093 ] [ 0 ] ..... Mute  
[ 0093 ] [ 1 ] ..... Beep  
[ 0093 ] [ 2 ] ..... Vibrator  
[ 0093 ] [ 3 ] ..... Beep + Vibrate
```

**38) [Out of Range function]**

When Tick box is checked, pager will indicate if it goes outside of the reception area (only applicable to wide area and supervised private paging).

If set to [out], icon will appear when pager is out of range.  
If set to [In], icon will appear when pager is in range.

**39) [Out range detect Time]**

The time period before out of range indication. Selectable 1-15 minutes.

**40) [“NO Service” Display]**

If Tick box is checked, pager will display “NO SERVICE” when out of range and vibrate continuously until a key is pressed.  
After this, a 3 second reminder vibration will occur every 15 minutes until the pager is back in range (or switched off).

**41) [Low Battery Reminder]**

Normal or Special. If selected as Special, the pager will display “LOW BATT” in screen and generate B pattern vibration for 3 seconds, repeated every 15 minutes.

**42) [Lcd Disp Order]**

Sets the default reading direction of the display (left or right reading). [Manual LCD Disp Order] allows the user to invert the display when set to Enable.

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