

# Commtech Pagers

## Hand Programming Manual

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Email [sales@commtechwireless.com](mailto:sales@commtechwireless.com)

Web [www.commtechwireless.com](http://www.commtechwireless.com)

### **Asia Pacific**

PO Box 1037  
OPDC 6916  
PERTH, Western Australia  
Phone: +61 8 6240 0000  
Fax: +61 8 6240 0001

### **Americas**

8301 Cypress Plaza Drive, Suite 105  
JACKSONVILLE, FL 32256-4416  
Phone: +1 904 281 0073  
Fax: +1 904 281 0074

### **EMEA**

Vindinggaard Rinvej 1  
DK-7100 Vejle  
DENMARK  
Phone: +45 8226 7280  
Fax: +45 8226 7289

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## INTRODUCTION

In the range of **CommtechWireless** pagers, special menus are available to view and in some cases modify the properties of the pager including capcodes, baud rate and frequency.

This is explained for each pager below.

**➤ IMPORTANT: Some of these pagers may need manual programming enabled within the programming software or a password in order to gain access to the secret menus. Consult the specific pager manuals for more information.**

# 1. THE DIGI V1 PAGER

## 1.1 Case Layout





----- Up Arrow Key

----- Down Arrow Key

|  
Read  
Key

## 1.2 Secret Menu

- Turn the pager off by removing the battery
- Now press and hold the  *Up Arrow Key* while inserting the battery
- To scroll through the menu use the  *Up Arrow Key*



## 2. THE DIGI V2 PAGER

### 2.1 Case Layout



Left	Right	Read
Key	Key	Key

### 2.2 Secret Menu

- Turn the pager off by removing the battery
- Now press and hold the  *Left Arrow Key* while inserting the battery
- To scroll through the menu use the  *Left Arrow Key*

### 3. THE ELF PAGER

#### 3.1 Case Layout









----- Up Arrow Key

----- Down Arrow Key






|        |  
Escape    Read  
Key        Key

#### 3.2 Secret Menu


- Turn the pager off by pressing and holding the  *Escape Key*.
- Use the  and  *Arrow Keys* to select the menu option named “Pager off”.
- Confirm selection of this menu by pressing the  *Read Key*. The pager will then turn off
- Now press and hold both the  *Escape Key* and  *Read Key* at the same time. You will then enter the secret menu

#### 3.3 Hand Programming

**➔ IMPORTANT: This feature only works on Elf Pagers version 5 or higher. A label on the back of each Elf pager shows the firmware version that it contains.**

- To enter the *Advanced Setup Menu*, hold down the  *Key* and the  *Key* simultaneously whilst inserting the battery into the pager. The *Advanced Settings Menu* will be displayed.
- The *Cap code Menu* is indicated by a line beginning with the letter A, as shown in *Figure 6-1*. The first digit following the A refers to the cap code number. To view or edit the four different cap codes, select the digit following the A, and press the  *Key* to scroll through the cap codes 1, 2, 3 & 4. Once you have chosen the cap code you wish to view or edit, the  *Key* is used to move the cursor along to the next field. Use the  *Key* is used to increment the value of the currently selected field. For example the image below shows cap code #1 with a value of 8.



Once you have finished viewing or editing the cap codes, you can move along to the *Frequency Settings Menu*. This is achieved by pressing the  *Key*.

❖ **NOTE:** The pager will beep if you attempt to change screens with an invalid cap code entered into the pager. The invalid field must be changed before the pager will let you progress to the next menu or save any changes. Cap codes must be in the range 0000008 – 2097143.



The *Frequency Settings Menu* is indicated by the line beginning with the letter *F*.


⚠ **WARNING:** The frequency of the pager can be altered slightly without the need for retuning. The pager can usually only be altered about  $\pm 4$  MHz off its centre frequency. If you change the frequency of an Elf pager and it fails to respond to transmissions, the frequency may have been adjusted out of the pagers limits.



**For this reason the first digit of the frequency cannot be changed in this menu.**



A screenshot of a green rectangular menu box containing the text "F 450.3375". The letter "F" is on the left, followed by a space, then the number "450.3375". The number "5" has a small cursor icon above it.

The  Key is used to move the cursor along to the next field. Use the  Key to increment the value of the currently selected field.

Once you have finished viewing or editing the pagers frequency, you can move along to the *Save Menu*. This is achieved by pressing the  Key.

Once at the *Save Menu* you can save any changes you have made by pressing the  Key. The pager will then reset, returning to the *Standby Screen* with all changes saved. Alternatively if you wish to go back and view/edit more settings press the  Key.



A screenshot of a green rectangular menu box containing the text "SAVE ?".






## 4. THE WIZARD PAGER

### 4.1 Case Layout



Left	Right	Read
Key	Key	Key

### 4.2 Secret Menu

- Turn the pager off by holding the  *Read Key*. It will ask “POWER OFF?”
- Press the  *Read Key* confirm this selection. The pager will then turn off
- Now press down the  *Right Arrow Key* and the  *Read Key* together
- To scroll through the menu use the  *Read Key*








## 5. THE GENIE 4LINE CRYSTAL PAGER

### 5.1 Case Layout



<b>Escape</b>	<b>Left</b>	<b>Right</b>	<b>Read</b>
<b>Key</b>	<b>Key</b>	<b>Key</b>	<b>Key</b>

### 5.2 Secret Menu

- Turn the pager off by pressing the  *Read Key* twice.
- Then use the  and  *Arrow Keys* to select “Power Off”
- Confirm selection of this by pressing the  *Escape Key*. The pager will then turn off
- Now turn the pager on by pressing and holding the  *Read Key*. The pager will turn on and start to beep as part of the startup process
- Whilst it is beeping press and hold both the  and  *Arrow Keys* at the same time









## 6. THE GENIE 2LINE SYNTHESISED PAGER

### 6.1 Case Layout



Escape	Left	Right	Read
Key	Key	Key	Key

### 6.2 Hand Programming Menu

- Remove the battery and then re-insert the battery into the pager and press the  key to turn the pager on.
- When the pager is turning on and beeping, press and hold the  and  keys until the password menu is shown.
- The default password is 0000 or 0200.
- You will then be in the secret menu where you can edit cap codes, frequency and baud rate.
  - Use the  key to change to the previous value.
  - Use the  key to change to the next value
  - Use the  key to go to the next digit
  - Use the  key to exit the secret menu.
- After all fields have been edited, you will be prompted to “Save Settings?”
- Press the  to confirm and the new settings will take effect.




## 7. THE GENIE 4LINE SYNTHESISED PAGER

### 7.1 Case Layout











Escape	Left	Right	Read
Key	Key	Key	Key

### 7.2 Secret Menu

- Remove the battery and then re-insert the battery into the pager and press the  key to turn the pager on.
- When the pager is turning on and beeping, press and hold the  and  keys at the same time.

### 7.3 Hand Programming Menu

- Remove the battery and then re-insert the battery into the pager and press the  key to turn the pager on.
- When the pager is turning on and beeping, press and hold the  and  keys until the password menu is shown.
- The default password is 1234, 0000 or 0200.
- You will then be in the secret menu where you can edit cap codes, frequency and channel spacing.
  - Use the  key to change to the previous value.
  - Use the  key to change to the next value
  - Use the  key to go to the next digit
  - Use the  key to exit the secret menu.
- After all fields have been edited, you will be prompted to “Save Settings?”
- Press the  to confirm and the new settings will take effect.

## 8. THE MERCURY 8 SYNTHESISED PAGER

### 8.1 Case Layout














- Up Key
- Down Key
- Escape Key
- Read Key

### 8.2 Hand Programming Menu

1. Remove the battery from the pager and then re-insert the battery into the pager

*Note: If you are having problems getting to the password screen, take out the battery and wait for a couple of minutes to allow the pager to discharge completely before starting step one.*

2. The procedure for entering hand programming mode depends on the serial number of the pager.
  - a. Serial number before IF463500 - Press and hold the  key. Just after pressing this key, press and hold the  key also, until the password menu is shown.
  - b. Serial number after IF463500 - Press the  key to turn the pager on. After the pager beeps for the second time, tap the  and  keys simultaneously. The password menu will then be shown.
3. The default password is usually 0000 or 0200. You may need to contact your place of purchase to find out the password (if your service provider has enabled that functionality)
4. You will then be in the secret menu where you can edit cap codes, frequency, baud rate and channel spacing.
  - Use the  key to change to the previous value.
  - Use the  key to change to the next value
  - Use the  key to go to the next digit
  - Use the  key to exit the secret menu.
5. After all fields have been edited, you need to save the settings.
6. Press the  key exit the menu.
7. You will be prompted to “Save Settings?”
8. Press the  to confirm and the new settings will take effect.








## 9. THE 4130 PAGER

### 9.1 Case Layout



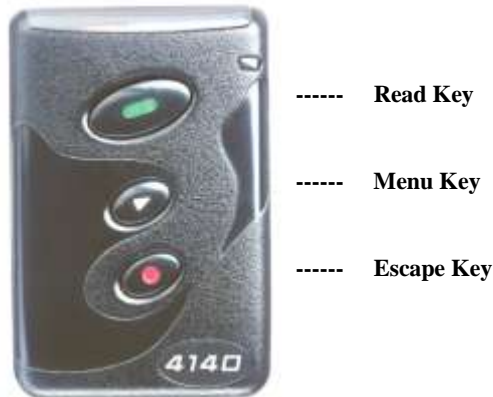
Escape Key   Menu Key   Read Key

### 9.2 Hand Programming Menu








- Hold down the  *Menu Key* and the  *Read Key* simultaneously for two seconds whilst inserting the battery into the pager
- You may be confronted with a screen asking for a password if this feature has been programmed in
- Use the  *Menu Key* to move between screens or to change fields
- Use the  *Read Key* to move along to the next field or character
- The  *Escape Key* can be pressed at any time to return you to exit, without saving changes
- Once you have entered the requested changes, scroll through until “*Prog Yes*” is found. To save the settings to the pager, press the  *Read Key*. The pager will briefly display *Programming* and then go the *Standby Screen*. To exit without saving changes press the  *Escape Key*

## 10. THE 4140 PAGER

### 10.1 Case Layout



### 10.2 Hand Programming Menu

- Hold down the  *Menu Key* and the  *Read Key* simultaneously for two seconds whilst inserting the battery into the pager
- You may be confronted with a screen asking for a password if this feature has been programmed in
- Use the  *Menu Key* to move between screens or to change fields
- Use the  *Read Key* to move along to the next field or character
- The  *Escape Key* can be pressed at any time to return you to exit, without saving changes
- Once you have entered the requested changes, scroll through until “*Prog Yes*” is found. To save the settings to the pager, press the  *Read Key*. The pager will briefly display *Programming* and then go the *Standby Screen*. To exit without saving changes press the  *Escape Key*










## 11. THE 6120 PAGER

### 11.1 Case Layout



Escape	Left	Right	Read
Key	Key	Key	Key

### 11.2 Hand Programming Menu

- Remove the Battery
- Reset the CPU by inserting the battery in the pager the wrong way around for about two seconds
- Now hold down the  *Read Key* while inserting the battery the correct way around. You *may* be prompted for a four digit numeric password. Use the  *Arrow Key* to increment fields and the  *Read Key* to move along to the next digit.  
The default password is 0200
- To scroll through the menu use the  *Read Key*.
- To increment/change fields use the  *Arrow Key*.
- To exit the secret menu without saving changes, press the  *Escape Key*.
- To save your changes, continue to scroll through the menus using the  *Read Key* until 'PROGRAM YES?' is displayed. Press the  *Read Key* to confirm your changes.
- To exit the secret menu without saving changes, press the  *Escape Key*.










## 12. THE 7900 PAGER

### 12.1 Case Layout



Escape	Left	Right	Read
Key	Key	Key	Key

### 12.2 Hand Programming Menu

- Remove the Battery
- Reset the CPU by inserting the battery in the pager the wrong way around for about two seconds
- Now hold down the  Read Key while inserting the battery the correct way around. You *may* be prompted for a four digit numeric password. Use the  Arrow Key to increment fields and the  Read Key to move along to the next digit. The default password is 0200
- To scroll through the menu use the  Read Key.
- To increment/change fields use the  Arrow Key.
- To exit the secret menu without saving changes, press the  Escape Key.
- To save your changes, continue to scroll through the menus using the  Read Key until 'PROGRAM YES?' is displayed. Press the  Read Key to confirm your changes.
- To exit the secret menu without saving changes, press the  Escape Key.