

7950 Pager

User Manual

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1.1 About This Handbook

This handbook is designed to assist you use the 7950 pager. Following the steps and checklists correctly will ensure that there will be no problems when using the 7950 pager.

Conventions

 **NOTE:** A note preceded with this symbol indicates secondary information pertaining to the topic under discussion.

 **IMPORTANT:** A Right-pointing arrow followed by text in this manner presents important information.

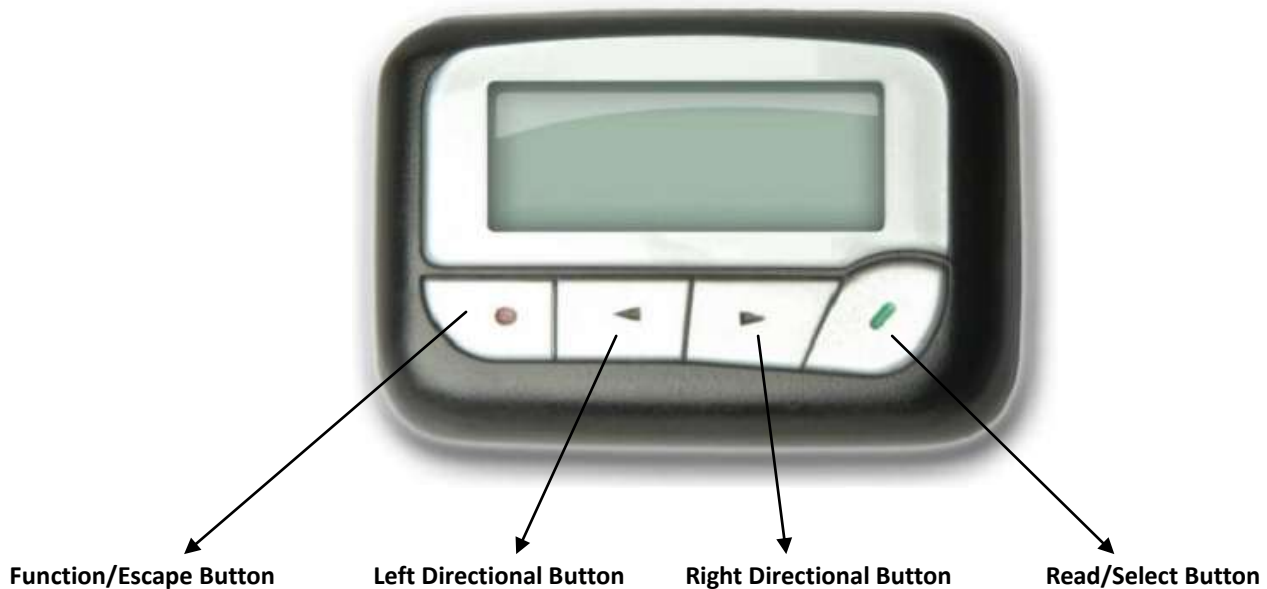
 **WARNING:** Warnings like this alert you to the fact that you might damage your equipment or lose data if you don't follow instructions carefully.

2. THE 7950 PAGER

2.1 Getting Started

2.1.1 Case Layout




































The Commtech 7950 pager has four buttons on its case.




- Function/Escape Button - Used to display the Function menu and escape out of menus
- ◀/▶ Left/Right Directional Buttons - Used to navigate through the Function menu and scroll through your messages
- Read/Select Button - Used to read messages, to activate your selection and turn on your pager.

2.1.2 Pager Icons

The Commtech 7950 pager may display the following icons:

	Choose Alert
	Set Time and Alarm
	Private Time Enabled
	Private Time Disabled
	Set Display Zoom 1
	Set Display Zoom 2
	Set Display Zoom 3
	Set Audible alert
	Audio Alert
	Vibration Alert
	Audio and Vibration Alert
	Turn Pager Off
	Delete Message
	Delete All Messages
	Lock Message
	Alarmed Message
	Notebook
	Power On
	Inputted  Function, Received Call No Warning
	Out of Range
	Audio or Melody Alert
	Vibration Alert
	Alarm Enabled
	Received Message
	Set Message Alarm
	Add to Notebook
	Message Continues On Next Page
24hr	24 Hour Time
AM	AM Time
PM	PM Time
	Enable Alarm
	Disable Alarm
	Low battery Indicator
	¼ Battery Indicator
	½ Battery Indicator
	¾ Battery Indicator
	Full Battery Indicator

2.1.3 Turning Your Pager On



Press  for 3 seconds. A start-up screen is momentarily displayed and your pager activates the currently selected alert.

Note: Press any button to stop the alert.


When the pager is on but no activity is taking place, the screen will turn off.

2.1.4 Turning Your Pager Off

(1) Press  to display the Function menu.

(2) Press  to move the cursor to .



(3) Press  and TURN PAGER OFF? is displayed.

(4) Press  again to turn the pager off.

Your pager is now off and the screen will go blank.




2.2 Using the Function Menu

The Function menu provides access to the many features of your pager through the use of symbols and prompts.

(1) Press  to display the Function menu. When the Function menu is initially displayed,  flashes to indicate the location of the cursor.







Example of Fully Displayed Function Menu

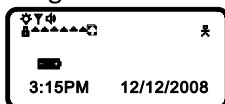
(2) Press ,  to move the cursor within the Function menu. As you move through the Function menu, the pager function symbols flash to indicate the location of the cursor. To exit from the Function menu without making any changes press .

Note: Some symbols may not be displayed on your pager, depending upon your pager's enabled features and whether it has any stored messages.

2.3 Message-Status Screen



The Message-status screen shows the current status of your messages. For example, unread messages are indicated by a flashing  symbol, locked messages are indicated by .

The Messages-status screen also displays the time and date and any activated pager settings. The message-status screen can be accessed by pressing  or  from the Standby screen.





Example of the Message-Status Screen

2.3.1 Receiving/Reading Personal Messages

Your pager can receive up to 50 personal messages. When a message is received, your pager alerts according to the current alert setting (audible, vibrate, no vibrate or no audio alert). A new message is indicated by a flashing  symbol. When a message is selected, the symbol changes to .



2.3.2 Reading an Incoming Message


(1) The message will be displayed on the screen. Press any button to stop the alert.

Note: A flashing  in the right corner of the screen indicates the message is continued on an additional screen (s). Press  to display the rest of the message.



(2) Press  to exit.

2.3.3 Reading a Stored Message

(1) From the Message-status screen press  or  to move the cursor to the message you want to read.

(2) Press  to read the message.



2.3.4 Message Reading Features

Press  or  while reading a message to read the previous or next message.

Note: When an unread message exists, your pager gives a periodic reminder alert until all unread messages are read.

2.3.5 Message Preview

This feature allows you to scan the first line of your messages.

(1) Use the  or  buttons to move the cursor through your messages.

Note: Previewing an unread message does not remove the unread message status from the message.

2.3.6 Automatic Message Deletion

Note: Stored message differ from locked messages. They can be deleted or overwritten when the pagers memory is full and a new message is received. If all 50 messages slots are full and a new message is received, the oldest, unlocked, un-alarmed, and previously read message is automatically deleted when a new message is received.



Note: To prevent specific messages from being deleted, you can lock them. Then you can delete all other messages you no longer need to prevent the pagers memory from becoming full.


2.3.7 Duplicate Message

If the same message is received more than once, DUPLICATE MESSAGE is displayed at the beginning of the new message. The new duplicate message replaces the older duplicate message and contains the latest time and date stamp.





2.4 Locking/Unlocking Message

Up to 16 messages can be locked to prevent them from being deleted or from being replaced when the pager's memory is full.

When a message is locked, the ▲ symbol is replaced by the  symbol indicating the message is locked.

2.4.1 Lock or Unlock a Message


- (1) From the Message-status screen, press ◀ or ▶ to select the message you want to lock or unlock.
- (2) Press ●.
- (3) Press ▶ to move the cursor to  to lock the message, or  to unlock the message.
- (4) Press ■.

To lock or unlock a message while reading it, follow steps 2 through 4 above while the message is displayed.


2.5 Deleting Message

This feature allows you to delete unlocked and un-alarmed messages.

2.5.1 Delete a Single Message



- (1) From the Message-status screen, Press ◀ or ▶ to select the message you want to delete.
- (2) Press ●.
- (3) Press ▶ to move the cursor to .
- (4) Press ■. DELETE MESSAGE? is displayed.
- (5) Press ■ again to delete the message.

2.5.2 Delete All Unlocked, Un-alarmed and Read Messages


- (1) From the Function menu, Press ▶ to move the cursor to .
- (2) Press ■, DELETE ALL MESSAGES? is displayed.
- (3) Press ■, all unlocked, un-alarmed and read message are deleted.

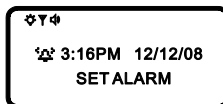
Note: Notebook messages are not deleted with this feature.

2.6 Message Alarm

This feature allows you to set a one-time or daily alarm for a selected personal message. You can set an alarm for up to five personal messages. When a message alarm is set,  replaces ▲ in the Message-status screen. At the time the alarm sounds, ▲ is again displayed unless the alarm is set to alert daily. Press ■ to display the message for which the alarm is set. If the alarm times passes without being acknowledged,  flashes until the message is read.

2.6.1 Set a One-time Message Alarm

- (1) From the Message-status screen, press ◀ or ▶ to select the message you want to alarm.
- (2) Press ●.
- (3) Press ▶ to move the cursor to .
- (4) Press ■. The Set-message-alarm screen is displayed.



Example of Set-Message-Alarm Screen

The alarm symbol shows the current alarm status. is displayed if the message alarm is enabled, is displayed if the message alarm is disabled.

- (5) Press until is displayed.
- (6) Press to move the cursor to the hour digits.
- (1) Press to adjust the hour digits.
- (2) Repeat steps 6 and 7 to adjust the minutes, AM/PM/24 hr, and date.
- (3) Press to activate your selection.

You can also set a message alarm while reading the message by following steps 2 through 9 above.

2.6.2 Set Daily Message Alarm

- (1) Follow steps 1 through 8 to set the message alarm time.
- (2) When setting the date in step 8, press until you see double dashes for the month, day and year (--/--/--).
- (3) Press to activate your selection. The alarm is now set to alert every day at this specified time.

2.7 Backlight

You can manually turn the backlight on or off at any time by pressing and holding any key for two seconds. The backlight automatically turns off when the pager returns to the Standby screen or when holding any key for two seconds again.

2.8 Low Battery Indication

When the energy level of the battery is low, the battery icon will change from to . An audio alert sounds every 4 minutes.

2.9 Display Zoom

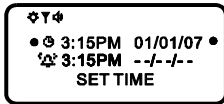
When this feature is enabled, the standard 4-line display is converted to a 2-line display. The characters are enlarged vertically for increased message readability.

- (1) From the Function menu, press to move the cursor to (Zoom 2) or (Zoom 3) or (Zoom 1)
- (2) Press , and display zoom is now active.

All new and stored messages including notebook messages are displayed in the new format.

2.10 Setting the Time and Date

- (4) From the Function menu, press ◀ to move the cursor to ⌚.
- (5) Press ■ to display the Set-time-and-alarm screen.
- (6) Press ▶ to move the cursor to the hour digit.
- (7) Press ■ adjust the hour.
- (8) Repeat steps 3 and 4 to adjust the minutes, AM/PM/24 Hr., month, day and year.
- (9) Press ● to activate the time and date setting.



Example of Set-Time Screen

If you move the cursor past the last symbol in the row (far right), it automatically wraps around to the first symbol in the beginning of the same row (far left).

2.11 Setting Message Alert

2.11.1 Setting the Audible Alert

- (1) From the Function menu, press ◀ to move the cursor to 🔔.
 - (2) Press ■.
 - (3) Press ◀ or ▶ to move the cursor to 🔊 and press ■.
- When 🔊 is displayed on the Standby screen, your pager is in the audible alert mode.

2.11.2 Setting the Alert Pattern

You can set your pager to alert audible with a standard alert (1), one of seven pleasing alerts (2-8), a chirp alert (🔔), or a chirp and vibrate alert (🔔).

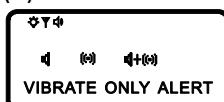
Your pager must be in the audible alert mode (🔊 displayed in the Standby screen) to select an alert pattern.

- (1) From the Function menu, press ◀ to move the cursor to 🔔.
- (2) Press ■ to display the choose alert menu.
- (3) Press ◀ or ▶ to move the cursor to the desired alert. The pager gives a sample of each alert as you move through the selections.
- (4) Press ■ to activate your selection. The pager gives a sample of the alert to confirm your selection.

2.11.3 Setting a Silent (Vibrate) Alert


Note: If 🔔 is displayed in the Standby screen, your pager is already in the vibrate alert mode.

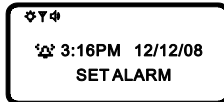
- (1) From the Function menu, press ◀ to move the cursor to 🔔 and then press ■.
- (2) Press ◀ or ▶ to move the cursor to (🔔) then press ■ to confirm.







2.12 Pager Alarm

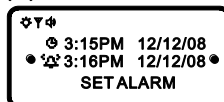
Your pager has an alarm that can be set for a specific time and date, or a specific time on a daily basis.

At the selected alarm time, your pager alerts. If the alarm passes without being acknowledged  flashes until any button is pressed.












2.12.1 Set a One-Time Alarm

- (1) From the Function menu, press  to move the cursor to .
- (2) Press . The Set-time-alarm screen is displayed.
- (3) Press . The Set-alarm screen is displayed.




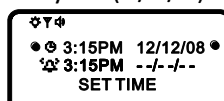
Example of Set-Alarm screen for a Specific Time and Date

The alarm symbol shows the current alarm status.  is displayed if the alarm is enabled,  is displayed if the alarm is disabled.



- (4) Press  to move the cursor to the alarm symbol.
- (5) Press  until  is displayed.
- (6) Press  to move the cursor to the hour digits.
- (7) Press  adjust the hour digits.
- (8) Repeat steps 6 and 7 to adjust the minutes, AM/PM/24 hr, and date.
- (9) Press  to activate the alarm. The  symbol is displayed on the Standby screen.

2.12.2 Set the Alarm to Alert Daily

- (1) Follow steps 1 through 8 in "To Set a One-Time Alarm" to set the alarm time.
- (2) When setting the date in step 8, press  until you see double dashes for the month, day, and year (--/--/--).






Example of Set-Alarm Screen for a Daily Alert



- (3) Press  to activate the alarm. The alarm is now set to alarm every day at the specified time.  is displayed on the Standby screen.

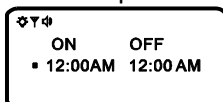
2.13 Private Time

You can select a time period during which your pager is completely silent. Your pager still receives messages but it does not alert. The pager alerts only if an alarm expires or a priority message is received.






2.13.1 Set Private Time

- (1) From the Function menu, press  to move the cursor to .
- (2) Press .

When the Private-time screen is first displayed, the cursor is at the flashing symbol on the far left,  indicates private time is enabled,  indicates private time is disabled.










Example of Set Private-Time Screen

- (3) Press  until  is displayed.
- (3) Press  to move the cursor to the hour digit.
- (4) Press  to adjust the hour digit.
- (5) Repeat steps 4 and 5 to adjust the on and off time setting.
- (6) Press  to activate your selection.


The symbol  is displayed in the Standby screen when private time is enabled.

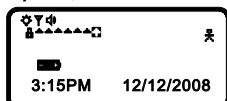
Note: If the on time is equal to the off time, private time is not enabled.

2.13.2 Disable Private Time

- (1) Press .
- (2) Press  to move the cursor to .
- (3) Press .
- (4) Press and release  until  is displayed.
- (5) Press  to disable private time.






2.14 Notebook


Your pager has a personal notebook for storing personal messages. Notebook messages are indicated by , Personal messages are indicated on the first row of the display.









Example of Notebook Locations

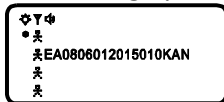
2.14.1 Storing Personal in Your Notebook

- (1) From the Message-status screen, press  or  to move the cursor to the personal message you want to move into the notebook.
- (2) Press .
- (3) Press  to move the cursor to .






(4) Press . The message is now in the notebook.


2.14.2 Deleting Messages from Your Notebooks

- (1) From the Message-status screen, press  or  to move the cursor to the notebook from where you want to delete a message.
- (2) Press  to display a list of the notebook messages.
- (3) Press  or  to scroll through the list until  is displayed at the beginning of the notebook message you want to delete.



Example of Notebook Screen in Delete Mode

- (4) Press  to display the Function menu.
- (5) Press  to move the cursor to .
- (6) Press  DELETED MESSAGE? is displayed.
- (7) Press  to delete the message.
- (8) Repeat steps 3 through 7 for each message you want to delete.

Note: Notebook messages are deleted one at a time. If all messages are deleted from a notebook, the  symbol is removed from the display.

3. APPENDIX

3.1 Further Help and Support

Contact your Place of Purchase

A CommtechWireless Authorized Distributor or Dealer sets up most systems. Contact your place of purchase with inquiries beyond the scope of this manual.

This Product is Not Field Serviceable

Should a fault develop with the hardware or software, contact your place of purchase for the most appropriate form of action. Do not attempt to open or repair any of the products as this may void any warranty.

3.2 Precautions

1. This pager contains precision electronic components. Avoid temperature extremes during use and storage and do not subject it to strong impact.
2. Avoid using the pager in an area where it might come into contact with liquids or very high humidity.
3. Never try to take the pager apart. Doing so can lead to serious damage and malfunction.
4. Replace the battery as soon as possible after you notice it getting low. Leaving a dead battery in the pager can result in damage caused by leaking fluids. The battery should be removed from the pager if you do not plan to use it for a long time.
5. Clean the pager by wiping it with a soft dry cloth. You can also use a cloth moistened with a weak solution of mild neutral detergent and water. Wring as much liquid as possible from the cloth before wiping the pager. Never use thinner, benzene, alcohol or other volatile agents to clean the pager.
6. Do not allow the pager to be exposed to direct sunlight, heat from heaters or other sources of heat (greater than 60°C). Do not leave the pager in a motor vehicle that is parked in the sun.
7. Never expose batteries to direct sunlight or incinerate them. Doing so may cause the batteries to explode.
8. Never try to charge batteries or take them apart. Doing so can cause them to leak fluid.

3.3 Specifications

** Note: Specifications subject to change without any notice*

Equipment type	Alphanumeric POCSAG Pager
Rx frequency (MHz)	138-174, 278-284, 448-472, 989-932
Baud rate	512, 1200, 2400 bps selectable
Power supply	1 x AA battery 1.5 volts
Nominal battery life	around 20-80 days depending on usage
Backlight	White LED
Keys.....	4 (Enter, Escape, Left Arrow, Right Arrow)
Programming	USB programming cradle and Windows software
.....	Hand programming on pager
Cap codes.....	8, frame independent
Message capacity.....	50 messages (512 characters per message)
LCD.....	Dot matrix with zoom function
.....	2 lines x 20 characters per line
.....	2 lines x 15 characters per line (bold)
.....	4 lines x 20 characters per line
Alert types	Beep, Vibrate
Beeper	75dBc SPL @ 30cm / 12inches
Approvals.....	CE / FCC / ACA C-tick / IC / RoHS
Sensitivity	512bps 5uV/m, 1200bps 7uV/m, 2400bps 9uV/m
Channel spacing.....	25kHz (narrow band 12.5kHz available on request)
Modulation	± 4.5 kHz DC modulation @ NRZ (± 2.5 kHz narrow band)
Selectivity	Better than 55dB
Spurious rejection.....	Better than 55dB
Image rejection.....	Better than 50dB
Frequency stability	10ppm
Ambient temperature operating range	0 to 50°C (20-90% RH non condensing)
Storage temperature range	-10 to 60°C (10-95% RH non condensing)
Dimensions	70 x 49 x 19 mm / 2.7 x 1.9 x 0.7 inches without holster
Weight	135 grams / 4.6 oz (including battery)