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User Guide for

# 7950 V2

Amcom Software, Inc.

## **Copyright**

7950 V2 Pager  
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# 7950 V2 Pager

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## 7950 V2 Pager

This document includes the following information for the 7950 V2 pager:

### **Using the Function Menu**

“Using the Function Menu” on page 4 includes information on how to use the function menu on the pager.

### **Message-Status Screen**

“Message-Status Screen” on page 4 includes information on receiving and reading personal messages, reading an incoming message, reading a stored message, message reading features, message preview information, automatic message deleting, and duplicate messages.

### **Locking/Unlocking Messages**

“Locking/Unlocking Messages” on page 6 includes information on how to lock and unlock messages.

### **Deleting Messages**

“Deleting Messages” on page 6 includes information on how to delete messages from the pager.

### **Message Alarm**

“Message Alarm” on page 7 includes information on how to set a one-time message alarm and a daily message alarm.

### **Backlight**

“Backlight” on page 7 includes backlight information for the pager.

### **Low Battery Indication**

“Low Battery Indication” on page 7 includes information on the low battery indication on the pager.

### **Out of Range**

“Out of Range” on page 8 includes information on how to tell if the pager is out of range.

### **Display Zoom**

“Display Zoom” on page 8 includes information on how to zoom on the pager.

### **Setting the Time and Date**

“Setting the Time and Date” on page 8 includes information on how to set the time and date on the pager.

### **Setting Message Alert**

“Setting Message Alert” on page 9 includes information on how to set message alerts on the pager.

### **Pager Alarm**

“Pager Alarm” on page 10 includes information on how to set a one-time alarm and daily alerts.

## Private Time

“Private Time” on page 11 includes information on how to set private times on the pager.

## Notebook

“Notebook” on page 11 includes information on how to store personal messages in your notebook and how to delete personal message from your notebook.

## Appendix

“Appendix” on page 13 includes information on precautions and product specifications.

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## Case Layout

The 7950 V2 pager has four buttons on its case.



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

## Pager Icons

The 7950 V2 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 C Function, Received Call No Warning
	Out of Range
	Audio or Melody Alert
	Vibration Alert
	Silent 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
	1/4 Battery Indicator
	1/2 Battery Indicator
	3/4 Battery Indicator
	Full Battery Indicator

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IMPORTANT: Some features, icons, and function menus may not be available on your pager, depending on how the pager was programmed. This document covers all features and assumes that no functionality has been disabled.

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## Turning Your Pager On

1. Press **■** for 3 seconds. A start-up screen is momentarily displayed and your pager activates the currently chosen alert. When the pager is on but no activity is taking place, the screen turns off.

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NOTE: Press any button to stop the alert.

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## Turning Your Pager Off

1. Press **●** to display the **Function** menu.
2. Press **◀** to move the cursor to **(X)**.
3. Press **■**. "TURN PAGER OFF?" displays.
4. Press **■** again to turn the pager off. The pager turns off and the screen goes blank.

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## 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 the **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.
3. To exit from the **Function** menu without making any changes, press **●**.

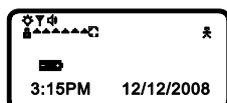
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## Message-Status Screen

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, 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:



## 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. A new message is indicated by a flashing ▲ symbol. When a message is chosen, the symbol changes to ↑.

## Reading an Incoming Message

1. The message displays on the screen. Press any button to stop the alert.

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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.

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2. Press ■ to exit.

## 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.

## Message Reading Features

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

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

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## Message Preview

This feature allows you to scan the first line of your messages. Use the ◀ or ▶ buttons to move the cursor through your messages.

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

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## Automatic Message Deletion

Stored messages differ from locked messages. They can be deleted or overwritten when the pager's memory is full and a new message is received. If all 50 message 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.



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NOTE: To prevent specific messages from being deleted, you can lock them. You can then delete all other messages you no longer need to prevent the pager's memory from becoming full.

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## Duplicate Message

When this feature is enabled and the same message is received by the pager more than once, “DUPLICATE MESSAGE” displays at the beginning of the new message. The new duplicate message replaces the older duplicate message and contains the latest time and date stamp.



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## Locking/Unlocking Messages

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.

### Lock or Unlock a Message

1. From the **Message-status** screen, press ◀ or ▶ to choose 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 ■.

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## Deleting Messages

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

### Delete a Single Message

1. From the **Message-status** screen, press ◀ or ▶ to choose the message you want to delete.
2. Press ●.
3. Press ▶ to move the cursor to .
4. Press ■. “DELETE MESSAGE?” displays.
5. Press ■ again to delete the message.

### Delete All Unlocked, Un-alarmed, and Read Messages

1. From the **Function** menu, press ▶ to move the cursor to .
2. Press ■, “DELETE ALL MESSAGES?” displays.
3. Press ■. All unlocked, un-alarmed, and read message are deleted.

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NOTE: Notebook messages are not deleted with this feature.

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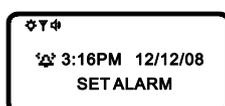
## Message Alarm

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.

### Set a One-time Message Alarm

1. From the **Message-status** screen, press  or  to choose 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, and  is displayed if the message alarm is disabled.

5. Press  until  is displayed.
6. Press  to move the cursor to the hour digits.
7. Press  to adjust the hour digits.
8. Adjust the minutes, AM/PM/24, hour, and date.
9. Press  to activate your selection.

### Set Daily Message Alarm

1. Follow the steps in the previous section to set the message alarm time.
2. When setting the date, 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.

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## 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.

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## Low Battery Indication

When the energy level of the battery is low, the battery icon changes from  to . An audio alert sounds periodically.

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## Out of Range

When this feature is enabled, the pager notifies you when you are outside of the transmitter coverage area for longer than five minutes. Therefore, it is recommended that if this feature is enabled, the paging system is set to send a heartbeat page out every few minutes on an unused cap code. This can be achieved via “Reminder Messages” in the Fusion EMM or Messenger.

The pager can notify in several different ways depending on how the pager was programmed. The pager shows or hides the antenna icon on the LCD screen (  ), beep and/or vibrate periodically, or shows the text “OUT OF RANGE” on the LCD screen.

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## 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),  (Zoom 3), or  (Zoom 1)
2. Press . Display zoom is now active.

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

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## Setting the Time and Date

1. From the **Function** menu, press  to move the cursor to .
2. Press  to display the **Set-time-and-alarm** screen.
3. Press  to move the cursor to the hour digit.
4. Press  to adjust the hour.
5. Adjust the minutes, AM/PM/24 hour, month, day, and year.
6. 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).

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# Setting Message Alert

## Setting an Audible Alert

1. From the **Function** menu, press ◀ to move the cursor to .
2. Press .
3. Press ◀ or ▶ to move the cursor to .
4. Press .

When  is displayed on the **Standby** screen, your pager is in the audible alert mode.

## Setting the Alert Pattern

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

Your pager must be in the audible alert mode ( displayed in the **Standby** screen) to choose 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.

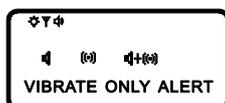
## Setting a Vibrate Alert

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

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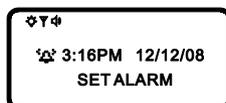
1. From the **Function** menu, press ◀ to move the cursor to .
2. Press .
3. Press ◀ or ▶ to move the cursor to .
4. Press  to confirm.



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## Pager Alarm

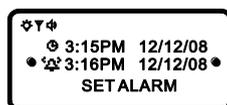
Your pager has an alarm that can be set for a specific time and date, or a specific time on a daily basis. At the selected alarm time, your pager alerts. If the alarm passes without being acknowledged,  flashes until any button is pressed.



### Set a One-Time Alarm

1. From the **Function** menu, press  to move the cursor to .
2. Press . The **Set-time-alarm** screen display.
3. Press . The **Set-alarm** screen displays.

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 .
8. Adjust the hour digits.
9. Adjust the minutes, AM/PM/24, hour, and date.
10. Press  to activate the alarm. The  symbol displays on the **Standby** screen.

### Set the Alarm to Alert Daily

1. Follow the steps in the previous section to set the alarm time.
2. When setting the date, 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.

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## Private Time

You can choose 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.

### 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 and ■ indicates private time is disabled.

Example of **Set Private-Time** screen:



3. Press 📞 until 📞 is displayed.
4. Press ▶ to move the cursor to the hour digit.
5. Press 📞 to adjust the hour digit.
6. Adjust the on and off time setting.
7. Press ● to activate your selection.

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

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

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### Disable Private Time

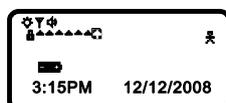
1. Press ●.
2. Press ◀ to move the cursor to 📞.
3. Press 📞.
4. Press and release 📞 until ■ is displayed.
5. Press ● to disable private time.

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## 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 **Notebook** locations:



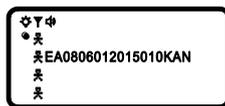
## Storing Personal Messages in Your Notebook

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.

## 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 •  displays 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 . “DELETE MESSAGE?” displays.
7. Press  to delete the message.

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

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# Appendix

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## Appendix

This section includes information on the following topics:

### Precautions

“Precautions” on page 13 includes product precaution information.

### Specifications

“Specifications” on page 14 includes product specification information.

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## 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.

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## Specifications

Please note that the specifications are subject to change without notice.

<b>Equipment Type</b>	Alphanumeric POCSAG Pager (FLEX available on request)
<b>Rx Frequency (MHz)</b>	138-174, 278-284, 448-472, 989-932
<b>Baud Rate</b>	512, 1200, 2400 bps selectable
<b>Power Supply</b>	1 x AA battery 1.5 volts Alkaline or Ni-MH Rechargeable
<b>Nominal Battery Life</b>	Approximately 20-80 days (depending on usage)
<b>Backlight</b>	White LED
<b>Keys</b>	4 (Enter, Escape, Left Arrow, Right Arrow)
<b>Programming</b>	USB programming cradle and Windows software Hand programming on pager
<b>Cap Codes</b>	8, frame independent
<b>Message Capacity</b>	50 messages (512 characters per message)
<b>LCD</b>	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
<b>Alert Types</b>	Beep, Vibrate
<b>Beeper</b>	75dBc SPL @ 30cm / 12inches
<b>Approvals</b>	CE / FCC / ACA C-tick / IC / RoHS
<b>Sensitivity</b>	512bps 5uV/m, 1200bps 7uV/m, 2400bps 9uV/m
<b>Channel Spacing</b>	25kHz (UNB 6.25 kHz/NB 12.5kHz available on request)
<b>Modulation</b>	±4.5kHz (UNB ±1.25kHz/NB ±2.5kHz available on request)
<b>Selectivity</b>	Better than 55dB
<b>Spurious Rejection</b>	Better than 55dB
<b>Image Rejection</b>	Better than 50dB
<b>Frequency Stability</b>	10ppm
<b>Ambient Temperature Operating Range</b>	0 to 50°C (20-90% RH non condensing)
<b>Storage Temperature Range</b>	-10 to 60°C (10-95% RH non condensing)
<b>Dimensions</b>	70 x 49 x 19 mm / 2.7 x 1.9 x 0.7 inches without holster
<b>Weight</b>	60 grams / 2.1 oz (without battery)