

**POCSAG ALPHA DISPLAY PAGER**

# **Operating Manual**

**Model:SPA-450**

**SHINIL INDUSTRIAL Co., Ltd,**

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## FEATURES

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- 2/4 Line Display besides Icon Indicator Line
- 16/21 Character Display per Line
- Address Capability: 16
- Message Storage: 30,000 Characters Maximum
- Personal Message Slot: 70 (including 20 Notebook Slots)
- Mail-Drop Message Slot: 16
- Message Lock up to 30 Personal Messages
- 8 User Selectable Alert (3 Tones, 5 Melodies)
- Message Scrolling On/Off (On ; Normal / Slow / Fixed / Fast ; Off )
- Incoming Message Time & Date Stamping
- User Selectable Date Display  
(Date/Month/Year or Month/Date/Year or Year/Month/Date)
- Message Deletion (All or Individual Message)
- Backlight (button press to turn on)
- Remind Alert for Unread Message (2, 5, 10, 15 and 30 min)
- Backup Battery (For retention memory when replacing battery)
- Battery Replacement Alarm
- User Selectable Alert Mode: Alert / Vibration / Alert after Vibration / Silence
- Memory Full Indication
- Duplicate Message Indication
- 5 Selectable Display Duration Times (4, 8, 12, 16, 20 sec)
- Service Area Indication
- Auto Power On/Off
- Mail-Drop Alert On/Off
- Time Clock
- Alarm Function (TIME=Time of Day, DAY=Day of Week plus Time,  
DATE=Calendar Date plus Time)
- Calendar

























## DESCRIPTION OF INDICATORS & SYMBOLS

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### ■ *Indicators*

	Duplicate Message
	Service Area
	Unread Message
	Battery Indicator
	Vibration Mode
	Audible Mode
	Message Remain to Read

### ■ *Symbols*


	Read Mail-Drop
	Calendar
	Set Incoming message Alert
	Set Time, Date
	Set Alarm
	Set Auto Power On/Off
	Set Scrolling Speed
	Set Alert Periodic Time for Unread Message
	Set Time for Display Duration
	Turn Pager Off
	Individual Message 'DELETE'
	All Message 'DELETE'
	Lock Message
	Unlock Message
	Duplicate Message
	Unread Message
	Read Message
	Return to previous screen
	Audible Alert
	Vibrating Alert
	Audible Alert with Vibration
	Silence
	Alert On for Incoming Mail
	Alert Off for Incoming Mail

## CONTROL BUTTONS

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Used to go left through the Function menu and your messages, to decrease the numbers through the functions like time, alarm, date settings.



Used to go right through the Function menu and your messages, to increase the numbers through the functions like time, alarm, date settings.

 Used to read messages, to select a pager function  
If pressing for 1 second at Function menu, return to the previous menu.


## OPERATION

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### *Turning Pager On*




Press . "Pager On? Yes" is displayed. Press  again.




When the pager is on and no activity is taking place, the Standby screen is displayed.

The Standby screen displays the service area  indicator and may display other indicators according to the current pager status.



### *Turning Pager Off*


From the Top screen,  
)

[ Press  or  to move the cursor to Function Set, press 

[ Press  or  to move the cursor to 

Press . "Pager Off? No" is displayed.




Press  or  to display "Pager Off? Yes".

Press  again to turn the pager off.


Your pager is now off and the screen is blank.

## ***Read Personal Message***

From the Top screen,

Press  or  to move the cursor to Read Message, press .

The number indicates the count of messages that are unread.

Press  to display the Message status screen.

The very left black envelope symbol means the latest and unread message.


On the right lower corner, the pager shows the date when the message was received.


: Unread Message

: Read Message

 Locked Message


(See Lock Message on page 7 )

Press  to read the message after moving

(07)  am 11 : 34  
John got a promotion.


the flashing cursor by  or .

In the message screen, "07" indicates the

message is 7th incoming one and the receiving time is am 11:34.  indicates the message is duplicate




*Message Screen*

### **Delete Personal Message**



From the Message Screen, press  for 1 second



to display Sub Menu.


Press  or  to move the cursor to .


*Sub Menu Screen*

Here, if you want to delete all the messages, move the cursor to   
Press  to delete the message.

### **Lock Personal Message**


Up to 30 messages can be locked to prevent them from being deleted or from being replaced when memory is full.



From the Sub Menu Screen, move the cursor to .

Press  to lock the message.

### **Unlock Personal Message**


First, read the locked message.

Press .

Move the cursor to  and press  to unlock the locked message.

## ***Move Personal Message to Notebook***

From the Fig. 6, move the cursor to .

Press  to move the message to Notebook.

See Notebook on page 11 for more information.

## ***Read Mail Drop / Delete Individual & All Mail Drop***

From the Top Screen,







press  or  to move the cursor to .

 indicates that you have one unread mail drop or more.

Press  to display the Mail drop status screen.

The Mail drop status screen shows the current status of your mail drop messages.

For example, unread mail drops are indicated by  and read mail drops are indicated by . Its receiving date is displayed on the right lower corner.

Press  or  to move the flash to select the mail drop you want to read.

Press  to read the selected mail drop.


## ***In order to delete the mail drop(s),***

Press  for 1 second while a mail drop is displayed on the pager screen.

Press  or  to move the cursor to .



**Note:** Move the cursor to  to delete all the mail drops the pager has.

Press  to delete the mail drop you selected.







## Function Menu



The Function menu provides access to the many functions of your pager through the use of symbols and their descriptions. As you move through the Function menu, the pager will show the description of a function the cursor selects.

**Note:** The icon indicators on the upper corner are displayed according to the current pager status. Now let's go over the functions the pager provides.




### 1) Calendar


From the Function menu screen, press  or  to move the cursor to 

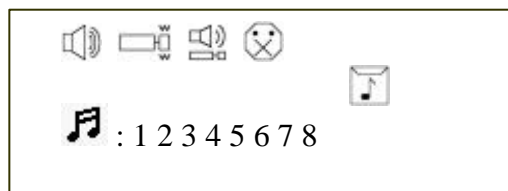
Press  to display the calendar.

Press  or  to adjust the month and year.





### 2) Setting the Incoming Message Alert



From the Function menu screen, press  or  to move the cursor to 

Press  to display the Choose alert menu .



Choose Alert Menu Screen

There are 4 different alert modes, an audible alert( ), a vibrating alert( ) an audible alert after vibration( ) and no alert (completely silent)( .

Press  or  to move the cursor to the desired alert mode. The pager gives a sample of each


alert pattern as you move through the alert mode.


### Setting an Audible Alert


From the Choose alert menu, press  while the cursor is moved to 

Press      or      to move through the alerts (3 tones/5 melodies) and press ■ to select.

### **Setting the Incoming Mail Drop Alert On/Off**

While the cursor is moved to , press      or      to switch the Mail Drop alert On/Off mode and press ■ to select your desired mail drop alert on/off mode.

 Mail drop Alert On (The pager alerts when it has a mail coming.)

 Mail drop Alert Off (The pager won't alert when it has a mail coming.)

### **Setting a Vibrating Alert**

From the Choose alert menu, press ■ while the cursor is moved to 


### **Setting an Audible Alert after Vibration**

From the Choose alert menu, press ■ while the cursor is moved to 

### **Setting No Alert**

From the Choose alert menu, press ■ while the cursor is moved to 

## **3) Setting the Date and Time**

From the Function menu screen, press      or      to move the cursor to 


Press ■ to display the Set Date and Time screen.

Press ■ to move the cursor and press      or      to adjust the month, day, year,

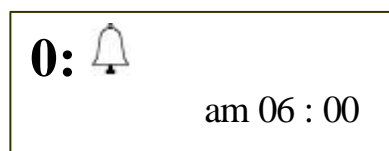
AM/PM/24hr, hour, minutes and the display format of the date(MDY/DMY/YMD)



## **4) Setting the Alarm**

The pager has an alarm that can be set for 1)a daily specific time and 2)a specific time and date, and 3)a specific time and day.

From the Function menu screen, press      or      to move the cursor to 

Press ■ to display the Set Alarm screen .



The cursor is on No. 0. Press  or  to adjust


the No. 0 through No. 2. No. 0 alarm is set for a daily specific time.




For example, when the pager is on the daily specific time, am 6:00, it alarms at am 6:00 every day.

*Set Alarm Screen*

**Note:** No. 1 alarm is set for a specific time and day.



No. 2 alarm is set for a specific time and date.

Press  while the cursor is on No 1. If you want to select No.1 alarm mode.

Press  or  to enable or disable the No.1 alarm mode and press  to select.






Indicates that the alarm function is disabled


Press  or  to adjust the hour and minutes.

## 5) Setting Auto Power On/Off


You can set the pager to automatically turn on and off. This feature can greatly improve battery life.



From the Function menu screen, press  or  to move the cursor to 

Press .

**To Enable :** When this Auto power function is set On ,  displayed on the upper corner.

When the cursor is on  press  to enable Auto On/Off function.

And press  or  to adjust the time.


 indicates the time when the pager automatically turns on and  indicates the time when it automatically turns off.

### To Disable :

When the cursor is on  press  or  to display .


And press  to disable.  disappears on the upper corner.

## 6) Setting the Scroll On/Off

From the Function menu screen, press      or      to move the cursor to 


Press  .

Press      or      to adjust the scrolling speed (Normal / Slow / Fast) and Off.



Press  to select.


## 7) Reminder Alert for Unread Message

When you have a unread message or more, the pager gives periodic reminder alerts until all unread messages are read.

From the Function menu screen, press      or      to move the cursor to 

Press  .




Press      or      to enable(  ) or disable (  ).

Press  and press      or      to adjust the periodic reminder alert time(2, 5, 10, 30 and 60 minutes).



**Note :** Even though the pager is set to enable this reminder alert for unread messages, it won't remind you when incoming message alert mode is set to "no alert".


## 8) Setting the Display Duration Time

When the pager is left unbuttoned for a certain period, the screen of pager is automatically converted to be blank but is still ready to receive messages. This feature allows extending the battery life.

From the Function menu screen, press  or  to move the cursor to 




Press .

Press  or  to adjust the display duration time (4, 8, 12, 16 and 20 sec)



Press  to select.


## 9) Setting the Character Type

The pager can display 3 kinds of characters when reading the messages. User can select one of three character types. (2 x16,4x16,4x21)

From the Function menu screen, press  or  to move the cursor to .

Press .

Press  or  to view character types

Press  to select.

## NoteBook

You can move the personal messages important to you to NoteBook to prevent them from deleted accidentally. Up to 20 messages can be stored in NoteBook. In order for you to read the message stored in NoteBook, From the Top screen,

[ Press      or      to move the cursor to read the message in NoteBook and press      ]

[ Press      or      to move the flashing cursor and press to read the message in NoteBook. ]

## Others

### 1) Easy Way to Change Alert Mode

You can easily change the incoming alert mode by pressing      or 1 second.

From the Top screen, press      for 1 second to change.  
)


[ The alert mode is changed to the following steps. ]

[ Audible alert → Audible alert after vibration → Vibrating alert → Silence ]

As you press      for 1 second, the indicators representing the incoming alert mode are changed accordingly.

### 2) Out of Range

If the pager are outside your paging coverage area,  disappears.

As long as  is not displayed, the pager can not receive messages.

### 3) Battery Indicator

A battery indicator on the upper corner keeps you informed of the low battery.

### 4) Automatic Message Deletion

If all the 50 message slots are full, the oldest, unlocked and previously read message is automatically deleted when a new message is received.

**Note :** To prevent specific messages from being deleted, lock them or move to Note book.

### 5) Lamp On/Off

As long as the screen is not left blank, press      and      to turn lamp on and press      and      again.

## **FCC NOTICE**

**NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.**