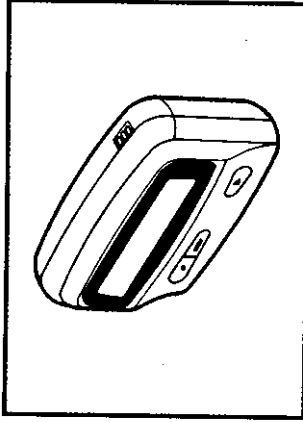

↙
CD-102/202/402/902

USER'S MANUAL



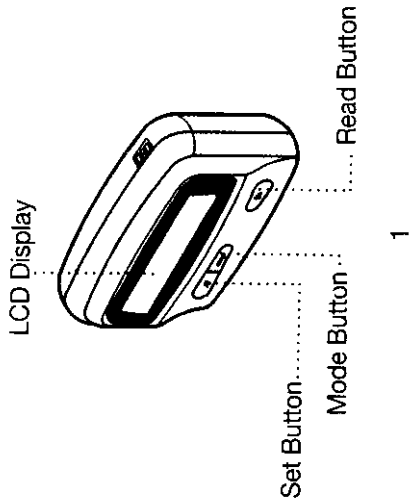
PANTECH

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1. Appearance

CD-X02 Chinese Message Pager has 3 buttons which are Set button, Function button and Read button as described below.



2. The Features and Functions

Thank you for purchasing CD-X02 Series radio pager. CD-X02 Series is an alpha-numeric display pager designed in graceful and compact model with new senses, maximizing user satisfaction by providing a variety of functions and high product quality.

For best effect and satisfactory operation, please read the user's manual prior to use.

- World smallest & multi-lingual support alphanumeric pager
- Simultaneous display alphanumeric(ASCII) and numeric
- Support chinese CNS & GB code
- Dot matrix LCD with graphic character with scroll;
 - 1 Row x 10 Characters (Alpha numeric)
 - 1 Row x 5 Characters (Chinese)
- 10 Kinds of melodies and alerting.
- Automatic power on/off and sleep mode.
- Real time clock and user selectable melody alarm
- Low battery alert
- Battery back-up support (Max. 10min.)
- Out of service area indication.
- LCD illumination
- User selectable alert / vibration / sleep mode
- User friendly graphic icon menu
- Message management
 - Scroll, Delete, Lock
 - Duplicated message indication
 - Time and date stamping
 - Memory full indication
- Unread message indication and reminder feature

3. Operation of CD-X02 series

The pager messages are divided into 3 different categories: Personal Message, Public Message and Private Memo. They are put in three different places inside the memories of the pager. The three pictures below are the three main menus from which you can enter into these three places to access the messages. Picture A is the Main Menu of Personal Message, Picture B the Main Menu of Public Message while Picture C Main Menu of Private Memo.



A: Personal Message Main Menu



B: Public Message Main Menu



C: Private Memo Main Menu











STANDBY STATUS

When the pager is in standby status, it receives signal and gives you Tone Alert, Vibration Alert and Mute Alert when a new call comes in. Normally, the pager will go into standby status a few seconds after having performed something. Picture D is the display of standby status where the icon in the lower left corner shows that the pager has Tone Alert enabled. If Vibration Alert is enabled, there will be an icon located in the upper left corner. If Mute Alert is selected, there will be nothing shown in the LCD when the pager is in standby status.



Picture D: Standby Status

The followings are the explanation of the icons you can find in these main menus.

-  Personal Message
-  Public Message
-  Private Memo
-  Unread Message
-  Low Battery
-  Out-of-Range Indicator
-  Date
-  Day of Week
-  Auto On/Off
-  Alarm

(1) Power On / Off

1) Power On

- Press the Mode Button (■) once to power on the pager. Then the pager will make a beep tone and the LCD will display a message as the one shown in Picture 1-1 below.



1-1 : Power On

- To stop the power-on beep tone, just press any button of the pager. The pager will go back to the Standby Status.

2) Power Off

- Press the Set Button (●) twice while the pager is on. The LCD will show "Power Off" in Chinese as in Picture 1-2 below. Then hold the Mode Button (■) for more than 3 seconds and the pager will go off and nothing will be displayed in the LCD.



1-2 : Power Off

(2) The ways to set up Alert - Tone, Vibration and Mute

- Keep on pressing the Set Button (●) until you see the Alert set-up menu as display in Picture 2-1 below.



2-1 : Way of Alert Set-up Menu

- Now, you can go into the selection menu by pressing the Mode Button () once and the LCD will have a display as picture 2-2.



2-2: Tone Alert

- In Picture 2-2, you can see the arrow pointing on the Tone Alert icon and the Chinese words "靜音" which means tone. If you press the Read Button () now, the arrow will go to the right and point on the Vibration Alert icon and the Chinese words become "震機".
- Pressing the Read Button () once more, the arrow will go to the right and point the Mute Alert icon and the Chinese words become "靜音". Beside pressing the Read Button () to move the arrow from left to right, you can also press the Mode Button () to move it from right to left during the alert selection.

-After selecting the one you like, press the Set Button () to confirm. If you have selected the Tone Alert, a beep will be sound. If you have selected the Vibration Alert, the pager will give a short vibration. If you have selected the Mute Alert, the pager will give no action. Then the pager will go back to Standby Status.

(3) Setting the Auto Scroll Speed

Our CD-X02 pager offers a convenient function which the message can scroll automatically for your easy reading. Furthermore, you can set the speed of this automatic scrolling. The four scrolling speeds, are Normal, Fast, Page-by-page, and Slow.

- To set the Scrolling Speed, keep on pressing the Set Button () until you find the display as Picture 3-1 below.



3-1: Scrolling Speed Setting

- Then, press the Mode Button () once and you will go into another menu as Picture 3-2 as below. Now you can press the Mode Button () to choose a scrolling speed among "正常"- Normal, "快速"- Fast

Page-by-page and "慢速" - Slow. After selecting the one you want, just press the Set Button (●) to confirm. Then the pager will go back to the Standby Status.



3-2: Scrolling Speed

(4) Date and Day of Week

- Starting from Standby Status, keep pressing on the Set Button (●) until you find the display as in Picture 4-1 below.



4-1: Entering into Date Setting

- Now, press the Mode Button (■) once and you will go into another display as Picture 4-2 which is the actual place for you to set the date.



4-2: Date Setting

9

- As in Picture 4-2, the date is Sunday, December 30. Once going into the date setting display, the arrow would point to the month digits. Then you can adjust the month digits from 1 to 12 by pressing the Mode Button (■).

- After setting the month digits, just press the Read Button (▶) once and the arrow will shift to the date digits. You can adjust the date digits from 1 to 31 by pressing the Mode Button (■).

- Completing the date setting, press the Read Button (▶) once. Then arrow will point to the day of week position which Chinese characters from 1 to 6 and Sunday will be for you to select from.

- After all the date setting are finished, press the Set Button (●) and the pager will go back to standby status.

(5) Clock Setting

- Starting from the standby status, keep on pressing the Set Button (●) until you see the display as Picture 5-1 below.



5-1 : Clock Setting

- Then press the Mode Button (M) once and you will go into another display, as Picture 5-2, where you can adjust the clock time.



5-2 : Setting the hour digits

- Now you can adjust the hour digits by pressing the Mode Button (M). After setting up the hour digits, you can press the Read Button (R) once and you will be able to adjust the minute digits. You can adjust the minute digit by pressing the Mode Button (M). For your convenience, each minute digit can be set individually.

(Note: The last alphabet, A or P, following the time minute digits means AM and PM respectively. The A will become P or vice versa whenever the hour digits change from 12 to 1 during the time setting.)

- After setting everything of the clock, press the Set Button (S) to confirm and go back to standby status.

(6) Alarm Clock

- To set the alarm clock time, keep on pressing the Set Button (S) until you find the display as Picture 6-1 shows.



6-1 : Alarm Clock Setting

- Then, press the Mode Button (M) to see the display, as Picture 6-2, where you can set the alarm time.



6-2 : Setting the alarming time

- Now, the arrow point on the alarm icon which shows that alarm function is enabled. If you press the Mode Button (M) once, the alarm icon will change to alarm disabled icon (D). After choosing enabling or disabling the alarm, press Read Button (R) once and the arrow will go to the hour digits.

- Set the hour digits by pressing the Mode Button (⏏). Having set up the hour digits, press the Read Button (▶) once and the arrow will go to the minute digits. Then, you can set the minute digits by pressing the Mode Button (⏏).

- When all setting up has been done, press the Set Button (●) once and the pager will go back to the standby status.

(Note: Two alphabets, A or P, following the time minute digits means AM and PM respectively. The A will become P or vice versa whenever the hour digits change from 12 to 1 during the time setting.)

(7) Auto On/Off and Preset Mute Alert Time

You can set your pager to power on and off automatically at the time you like. You can also set the Mute Alert mode at the time you like. These functions are very useful during the night time. They help you to avoid from being disturbed while you're sleeping.

The Auto On/Off function will power off the pager automatically and then it does not receive calls during the pre-set off time.

With the Preset Mute Alert time enabled, the pager can still receive calls but gives no action to disturb you during your preset period. The calls will be stored in the pager (with an unread icon showing on the LCD) and waiting for your reading.

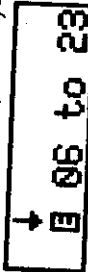
Setting the Functions:

- Press the Set Button (●) button until you find the display showing in Picture 7-1 as below.



7-1 : Auto On/Off

- Press the Mode Button (⏏) and then you will go into the display, as Picture 7-2 below, where you can set the time.



7-2 : Setting the Auto On/Off

- Now the arrow is pointing to the icon. Now you can choose among [E], [S] and [D] by pressing the Mode Button (⏏).

The followings are the explanations of these icons.

- After set up has been finished press the Set Button (●) once to confirm and go back to the standby status.

(8) Beep Tone and Music Melody Selection

This pager has 5 beep tones and 5 musical melodies for you to choose.

- Keep on pressing the Set Button (●) until the display as Picture 8-1 appears in the LCD.



8-1 : Alert Tone Selection

- Now, you can select the tone by pressing the Mode Button (◀) once. Then a display as Picture 8-2 would appear.



8-2 : Selecting the one you like the best

[E] : The pager is powered on automatically at 6 AM in the morning and off at 11 PM in the night. It means from 11 PM till 6 AM, the pager does not receive any call.

[S] : The pager goes into Mute Alert automatically at 11 PM and go back to the either Tone Alert or Vibration Alert (as you have chosen) at 6 AM. It means that the pager receives calls but gives no any alert during 11 PM to 6 AM.

[D] : This means both the Auto On/Off and Preset Mute Alert aren't being used.

- After choosing one you like among **[E]**, **[S]** and **[D]**, you can go to set the time of automatic power-on time by pressing the Read Button (▶) once. When the arrow goes to the top of the power on time digits, you can use the Mode Button (◀) to change the power-on time.

- Then, press the Read Button (▶) again, and you can change the power-off time when the arrow goes to the top of the power-off time digits on the right.

9-2 : Alarm Clock Tones



- Now you can use the Mode Button (⏏) to move the arrow to the left and the Read Button (▶) to the right to choose from Alert Tone 0 to 9. Whenever the arrow is moved from one Alert Tone to another, the pager will make a tone or melody.
- After choosing the one you like the best, press the Set Button (●) to confirm. Then the pager will go back to the standby status.

(10) Unread Message Alert

- With this function enabled, the pager will make a tone to alert you that some messages have not yet been read.
- Keep on pressing the Set Button (●) until the display as in Picture 10-1 below appears.



10-1 : Unread Message Function
18

- Now you can use the Mode Button (⏏) to move the arrow to the left and the Read Button (▶) to the right to choose from Alert Tone 0 to 9. Whenever the arrow is moved from one Alert Tone to the other, the pager will make a tone or melody.
- After choosing the one you like the best, press the Set Button (●) to confirm. Then the pager will go back to the standby status.

(9) Alarm Clock Tone Selection

- You can choose tones for the alarm clock.
- Keep on pressing the Set Button (●) until the display as Picture 9-1 appears in the LCD.



9-1 : Alarm Clock Tone Selection

- Press the Mode Button (⏏) once and you will see the display as Picture 9-2 where you can choose the tone.



11-3: Private Memo

- Choosing the one you like, press the Set Button (●) and then you will go into the Main Menu of Private Message, Public Message or Private Memo as shown in Picture A, B and C mentioned before.

(12) Reading the Message

- By pressing the Read Button (▶), you can keep reading the messages of that category of message you have chosen as described in Section 11.
- You can read the messages by pressing the Read Button (▶) from standby status.
- More detailed reading procedures will be described in Sections 13, 14 and 15.

- Press the Mode Button (●). Then the LCD will show either "9(停止)"-disable or "9(設定)"-enable.

- Press the Mode Button (●) to choose between "停止" -disable or "設定" enable. If you like to have the unread message function enabled, choose "設定". or, choose "停止" to disable this function.

- Then press Set Button (●) to confirm and let the pager will go back to standby status.

(11) Browsing Among Different Message Categories

- From standby status, keep on pressing the Mode Button (●) and the following 3 displays will be shown one by one.



11-1: Personal Message

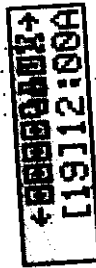


11-2: Public Message

(13) Reading the Personal Message

-From standby status, press the Read Button until you find the display as in Picture 13-1. (You have had to choose the Personal Message category as mentioned in Section 11. Otherwise, please follow the instruction in Section 11).

A locked message An unread message
 A duplicated message The cursor which points to Message 19.



13-1

Message number Time

If there is no message in this category, the display would display the Chinese Characters as in Picture 13-2 which means "No Message".

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13-2



- If there are messages, a display similar to Picture 13-1 will be shown. Then you can use the Mode Button (●) to move to cursor to the left and the Read Button (▶) to the right.







- Going to the message which you want to read, then press the Read Button (▶) once. The display will show you the number, date, time and status (such as locked, duplicated, unread, etc.) of this message.


- Press the Read Button again, the message will be displayed in the LCD.

- Now, press the Set Button (●), and the message will scroll to the left. (The scrolling speed can be set as the instruction in Section 3.)


- You can keep on reading the next message by pressing the Read Button (▶).

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- You can choose the information that you like by pressing mode button () which means to go forward, and the Set Button () which means to go back ward.
- Choose the information that you like to read, and press the Read Button () to actually read the information.
- By pressing the set Button (), the message will scroll to the Left. (The scrolling speed can be set by following the instructions in section 3.)
- Keep on reading the next message by pressing the Read button ().
- By pressing the Mode Button (), you can go into the message management display as shown in picture 16-1.

- Pressing the Mode Button () now, and you can go into the message management display as shown in Picture 16-1.


(14) Reading the Public Message

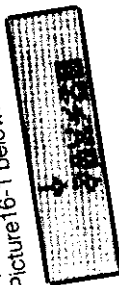
- Follow the instructions in Section 11 to choose the Public Message category.
- Press the Read Button (), and you will go into a display showing several kinds of different informations.
- If there is no message in the category, the display would show the Chinese characters as in picture

没有消息

14-2







- If there are messages, you will be able to find several informations such as sports scores, weather, news, or stock markets. Each of these informations will be displayed in the LCD.

- Press the Mode Button () and you will see the display as in Picture 16-1 below.






16-1: Message Management Menu


The followings are the functions represented by these icons.

-  Go back to this message
-  Lock/unlock this message
-  Delete this message in this category
-  Delete all the messages in Private Memo
-  Put this message into standby status
-  Go back to the standby status

(15) Reading the Private Memo

- Follow the instructions in Section 11 to choose the Private Memo category first.
- Press the Read Button () and you can see the private memo number and the first few words of this private memo.
- Press the Set Button () once and the private memo message would scroll in the speed you have preset.
- You can read the rest memo by keeping on pressing the Read Button ().

(16) Message Management Functions

- You can go into the Message Management displays no matter where you are in Personal Message, Public-Message or Private Memo categories. The followings are the steps.
- Keep on pressing the Read Button () until you see the message that you want to do something to with the message management functions.

Press the Set Button (●) once more and this message would be deleted from the pager.

D) Delete all messages

Move the arrow to the top of this icon and then press Set Button (●). Then the display as in Picture 16-2 below would appear

(●). Then the display as in Picture 16-2 below would appear



16-2 : Delete all Messages?

Press the Set Button (●) once more and all the messages in this category would be deleted from the pager.

E) Put this message into Private Memo

Move the arrow to the top of this icon and then press Set Button (●). Then this message would be put into the Private Memo where you can retrieve later.

You can use the Mode Button (■) to move the arrow to the left while the Read Button (▶) to the right.

A) Go back to this Message

Move the arrow to the top of this icon and then press Set Button (●). Then you can go back to the message that you just read.

B) Lock/unlock this message

Move the arrow to the top of this icon and then press Set Button (●). Then this message will be locked if it has not yet been locked. Also, this message will be unlocked if it is locked.

C) Delete a message

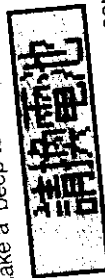
Move the arrow to the top of this icon and then press Set Button (●). Then the display as in Picture 16-1 below would appear

16-1 : Delete a Message?



F) Go back to standby status
Move the arrow to the top of this icon and then press Set Button (●).
Then the pager would go back to standby status.

(17) Low Battery Message
When the battery power is going to be exhausted, the pager will make a beep tone and display as shown in Picture 17-1 below.



17-1 : Battery Low Message

Whenever this message comes out, a battery should be replaced because the reception capability would be negatively affected if the battery power is not sufficient.

- Please unlock the battery cover lock and gently remove the battery cover located in the back of the pager.

- Replace the old battery to new one. (Please make sure that the battery is put in the correct direction. The "+", "-" and " " icons inside the compartment could help you to identify the correct direction.)

- Gently put the battery cover back into the pager and lock the cover lock.

-Then turn on the pager by press the Mode Button (■) once as instructed in Section 1.

(18) Out-of-Range Message

When you leave the area where the paging operator's network can cover, no call can be received and the pager will alert you this situation by giving you a message as Picture 18-1 below.



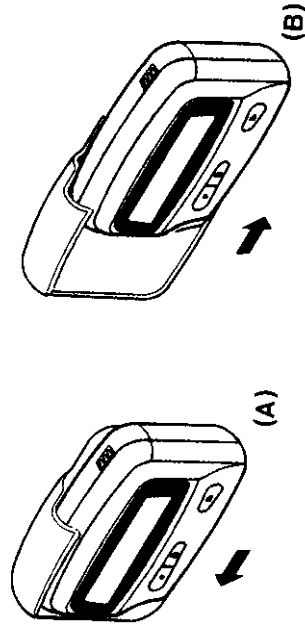
18-1 : Out-of-Range Message

After this message, the LCD would also have an out-of-range icon () showing.

In this situation, the pager cannot receive call. Therefore, you should call back to the operator to check if there is any message by phone periodically.

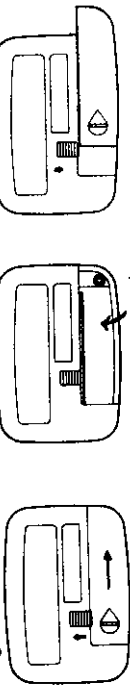
4. Use of cradle

Load pager into the cradle by moving in the direction of arrow as shown in figure A.



5. Battery Replacement

- 1) Turn off the pager by using the Set Button and the current time and the set messages are saved in memory.
- 2) Push the lock on the battery cover in the direction of arrow as shown in figure (1).
- 3) Push toward the right side and remove the battery cover as shown in figure (2).
- 4) Check the polarity of the battery and replace the battery as shown in figure (3).



**Caution: Use alkaline (AAA type) batteries.
Turn off pager prior to replacing battery.**

6. Caution

- 1) To prevent pager fault, do not let water infiltrate into the radio pager; avoid direct sun light; do not apply unreasonable force; and do not drop the pager.
- 2) Use the pager for only the purposes prescribed by this company. Do not connect other equipment to pager, and do not modify or dismantle the pager.
- 3) Be careful not to allow chemicals, such as benzene or thinner, to be applied to pager.
- 4) Use "AAA" size batteries.

MEMO

THIS DEVICE COMPLIES WITH PART 15 OF THE
FCC RULES. OPERATION IS SUBJECT TO THE
FOLLOWING TWO CONDITIONS: (1) THIS DEVICE
MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY
INTERFERENCE RECEIVED, INCLUDING
INTERFERENCE THAT MAY CAUSE UNDESIRE
OPERATION.

*