Gold Apollo Co., Ltd.

PAGER PROGRAMMING GUIDE

Alpha-Numeric Display Pager

MODEL : AL-A25

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Getting Started

The ALA25 Pager Programming software, provides the flexibility to program ALA25 pagers to meet individual requirements. To obtain the best results from the product, please take a few minutes to read this instruction guide.

Equipment Required

To install and operate the programmer, you need a system that meets the following minimum requirements:

- An personal computer (PC) with printer port, or compatible
- Windows 98 SE or above operating system (XP Recommended)
- 256 MB of RAM
- ALA25 Programmer
- An USB cable
- ALA25 Pager Programming Software

Equipment Setup

Refer to Figure 1 while performing the follows:

1. At the rear of the PC, connect the USB cable to the usb port on your computer.
2. Plug end of the USB cable into the ALA25 programmer.
3. Hardware installation is complete.

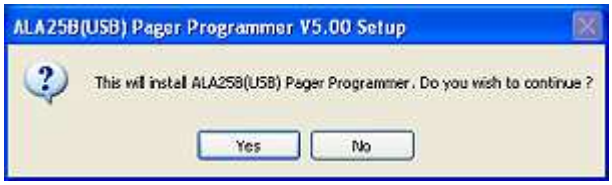
Figure 1 Programmer Hardware Connections

Installing Programmer Software

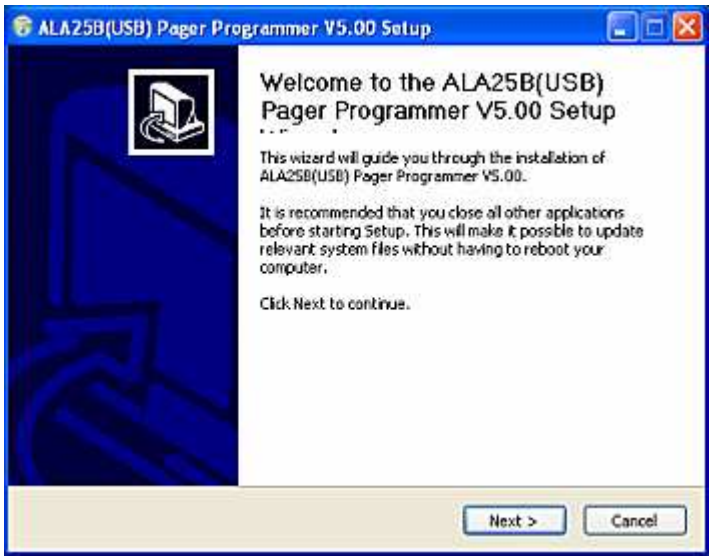
Installation

Install the programmer software into a PC as follows:

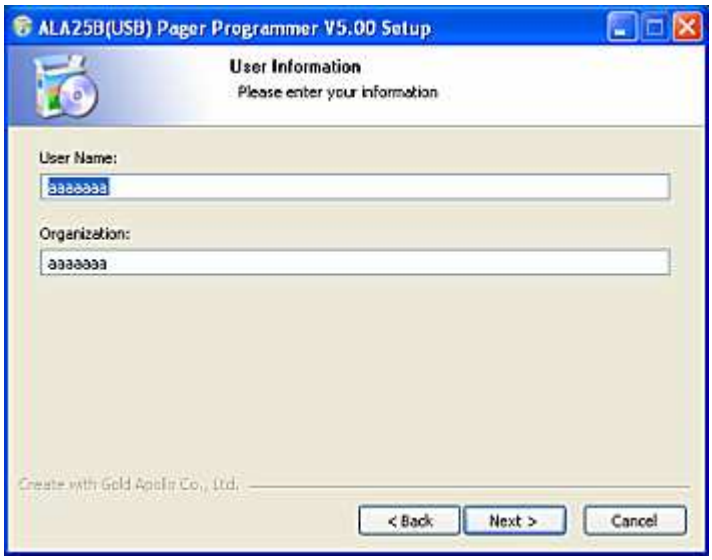
1. Uncompress the ALA25B(USB)V50(NR).zip and save them in a temporary directory.
2. Double click the setup.exe file. Click on “Y”.



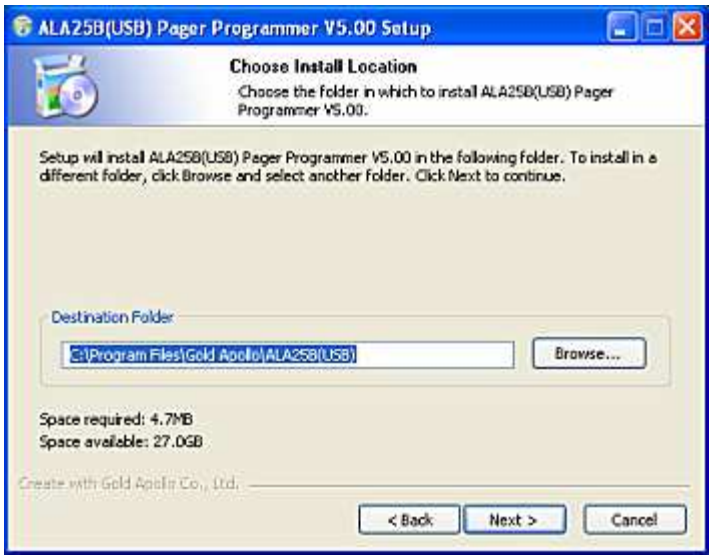
3. Click “Next” on the Welcome screen.



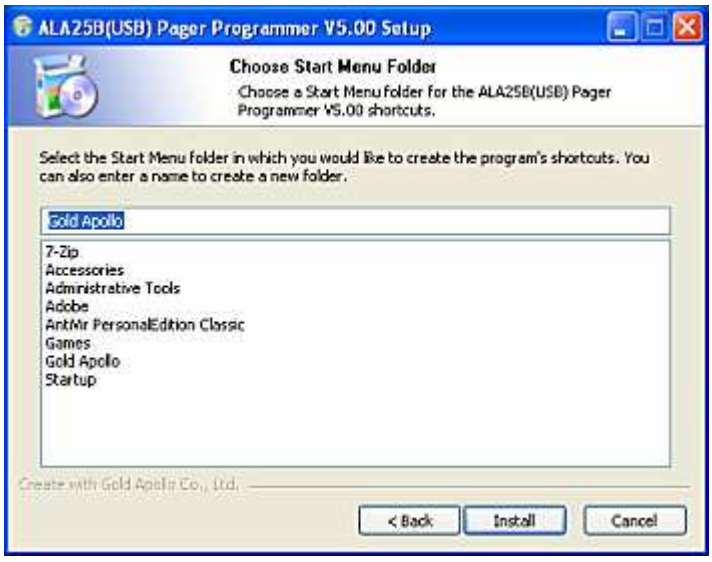
4. Enter your user information and click “Next”. (Note: you must enter at least a single character "into the company field)

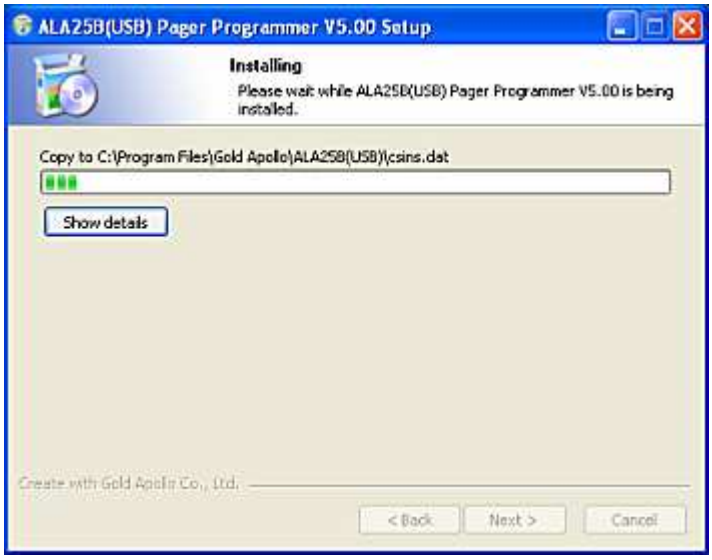


5. Choose where the program should be installed and click “Next”.

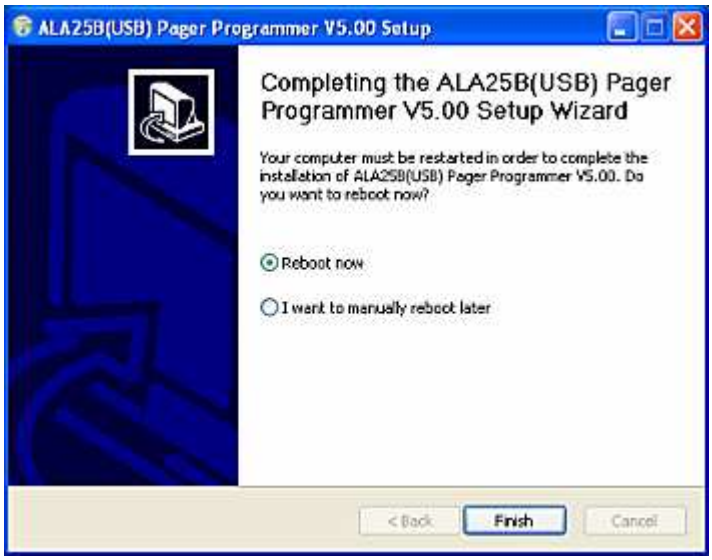


6. On the Select Program Folder screen choose where you would like the program to show up in your start menu and click “Install”.

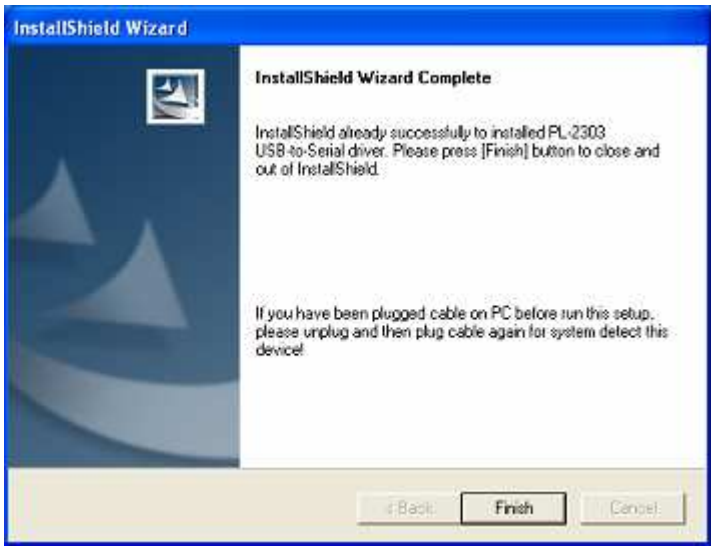




7. If you had installed USB driver then select reboot now and click “Finish” on the setup complete screen.



8. If you did not install USB driver, click “OK” to install USB driver.



9. Please reboot your computer after USB driver and programming software installed.

Running

You now have the program installed. To run it from the Start menu/ Programs/ Gold Apollo /ALA25 Pager Programmer

ALA25 Programming

Introduction

Preparing a Pager for Reading or Programming:

1. Establish a computer hardware configuration.
2. Run the programming software of ALA25.
3. A Power LED illuminates on the Programming Interface to indicate proper contact. If the Power LED did not illuminate then you must check the configuration and restart the programming software of ALA25.
4. Align the pager contact pin holes with the contact pins of the ALA25 Programmer.
5. Press down on the pager until it is tight in the fixture.
6. Turn the pager off or wait the pager until standby mode. The pager is now ready to read or program.

Starting the Programmer

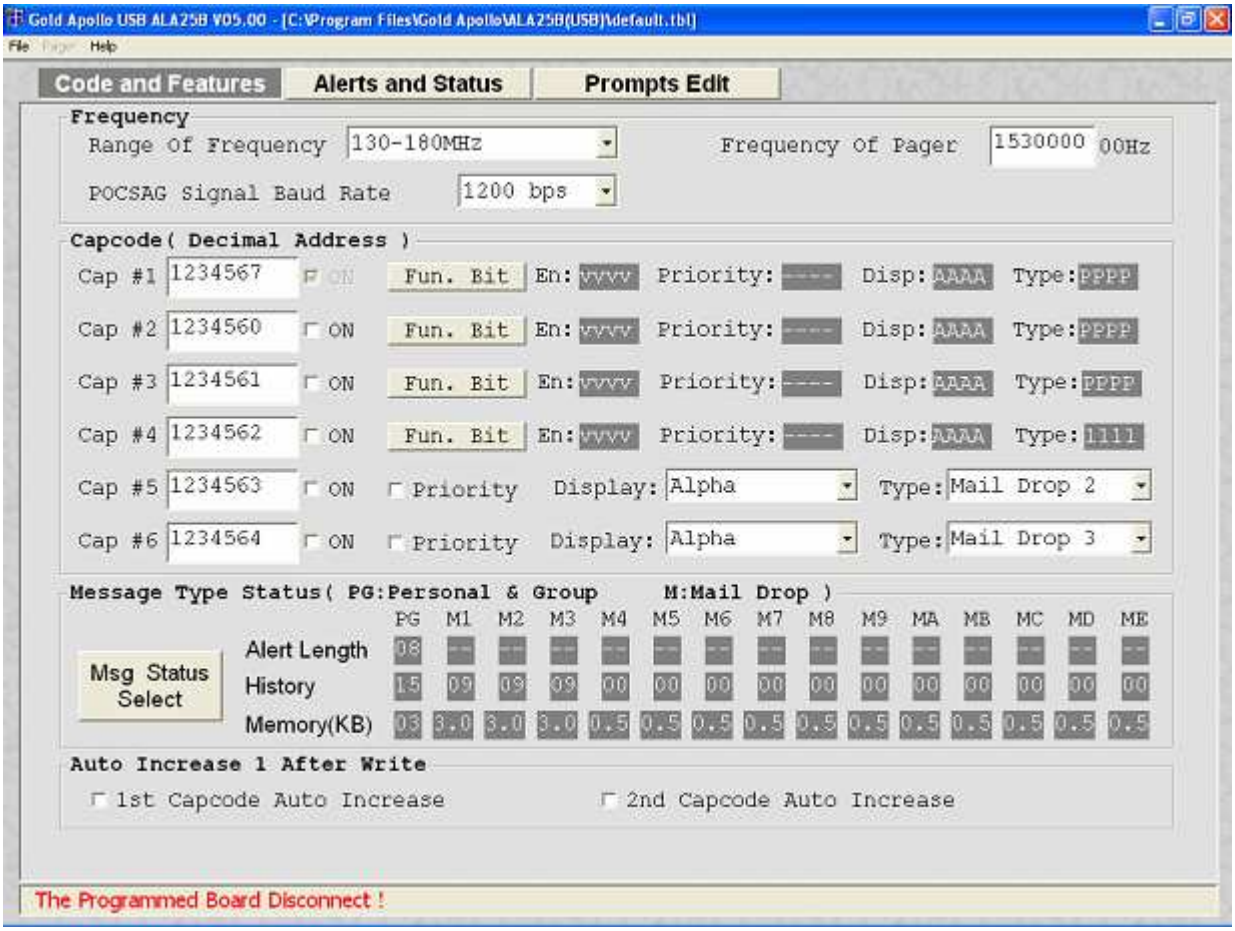
1. The application can be launched from Start → Programs → Gold Apollo → ALA25 Pager Programmer. The following window appears:

2. Input your password. If key in wrong password for 3 times, the system shuts off automatically. If the password is correct, the following window appears:

3. Now, the system examines that the ALA25 programmer is well installed. If any questions, the following window appears:

4. Please re-check the ALA25 programmer and printer port are well installed or not. If connection succeeds with the ALA25 programmer, the system enters the Main Menu.

Main Menu



Menu bar

In the menu bar, there are main menus with submenus like those conventionally used in Windows applications.

File | Open
Open the AL924 code-plug file. The file has the extension ".tbl".

File | Save
Save the current code-plug data to a file.

File | Save As
Save the current code-plug data to a file with different filename.

Pager | Write
Write the current code-plug data to the pager.

Pager | Read

Read code-plug data from the pager.

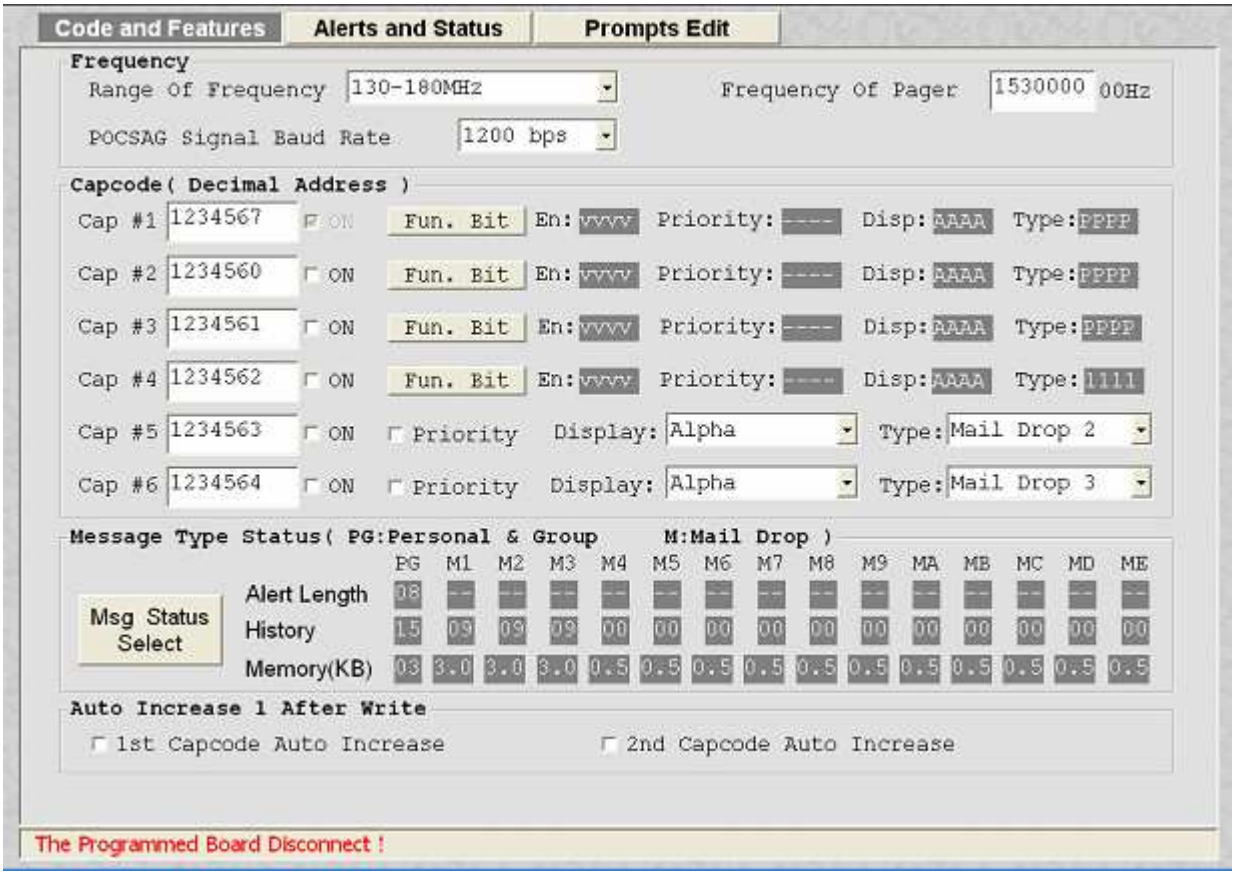
Pager | Verify

Verify the pager data.

Help

Information about the ALA25 pager programming version.

Freq. & Codes



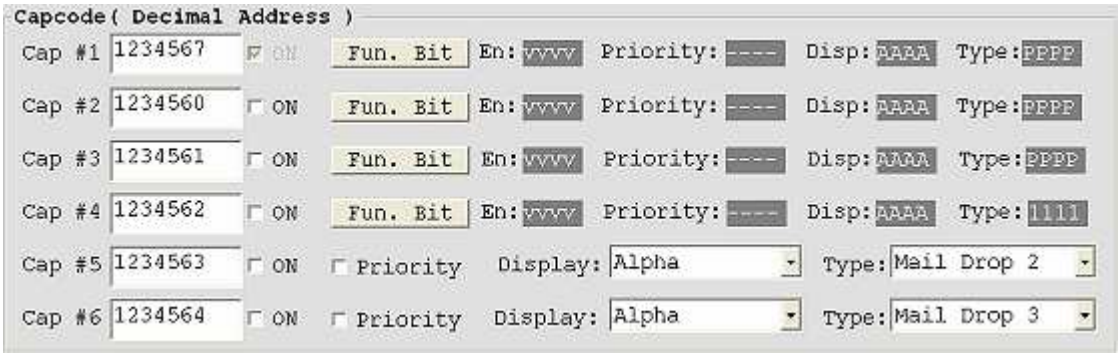
Frequency

- **Range Of Frequency**
  You can select the range of frequency and all setting will load default value.

- **Frequency Of Pager**
  The frequency is on which the pager operates.

- **POCSAG Signal Baud Rate**
  The baud rate is on which the pager operates.

Capcode (Decimal Address)



Cap #1

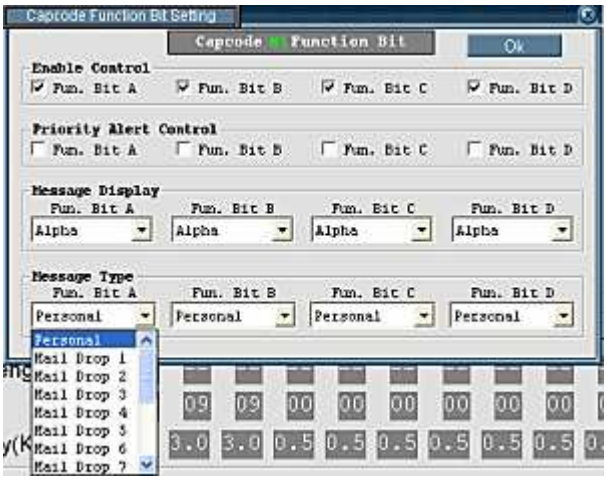
Please input 1st Capcode (7 Dec digits between 8 and 2097151).

☑ ON

Enable or disable 2nd Capcode (address).

Fun. Bit

Click to set function bit(A、B、C、D) message control.



- **En**

  Function Bit(A、B、C、D) Enable Control: V is Enable, - is disable.

- **Priority**

  Function Bit(A、B、C、D) Priority Alert: V is Enable, - is disable.

- **Disp.**

  Function Bit(A、B、C、D) Message Display:

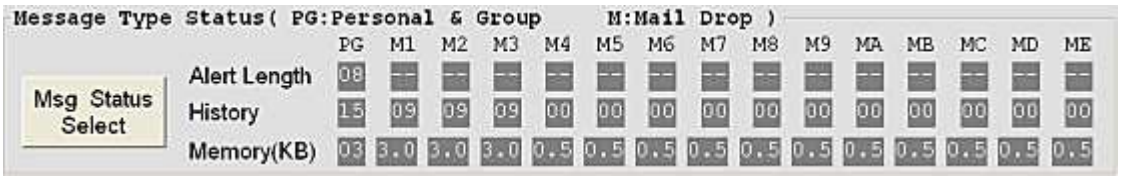
  - **N**: Standard Number.
  - **P**: PRC Number.
  - **A**: Alpha number.
  - **I**: Ideographic.

- **Type**

  Function Bit(A、B、C、D) Message Type:

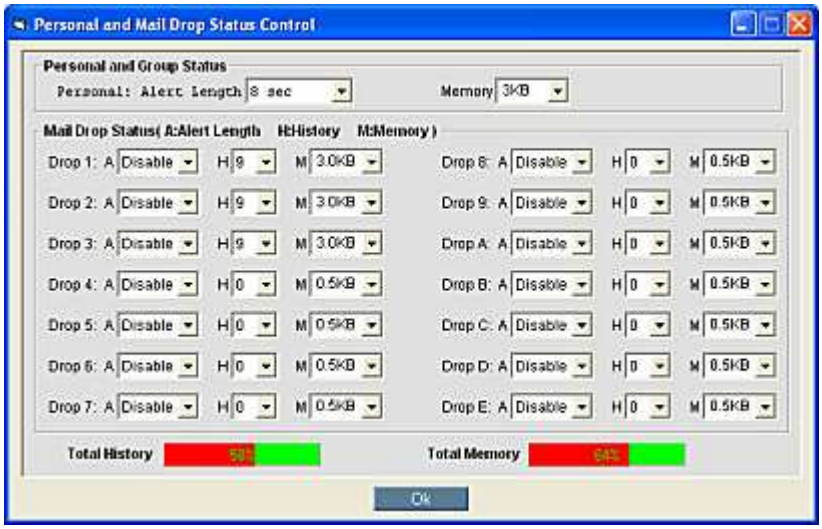
  - **P**: Personal.
  - **1** to **9**: Mail Drop 1 to Mail Drop 9.
  - **A** to **E**: Mail Drop A to Mail Drop E.
  - **G**: Group.

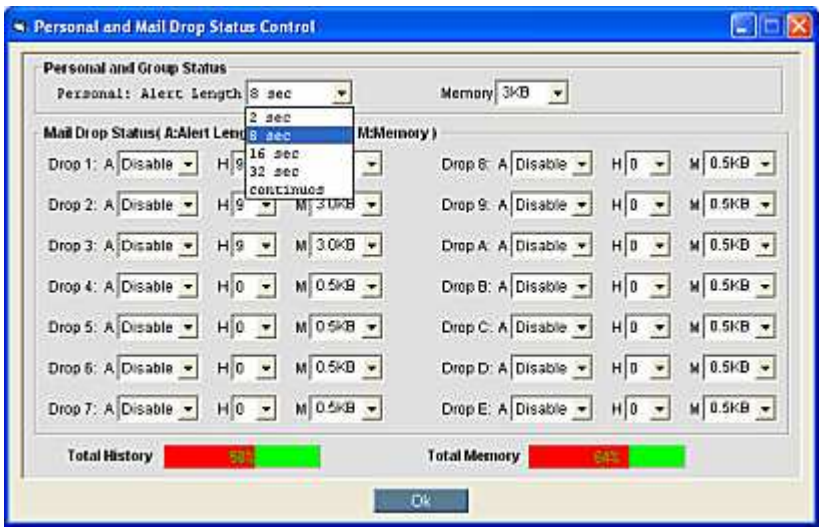
Message Type Status

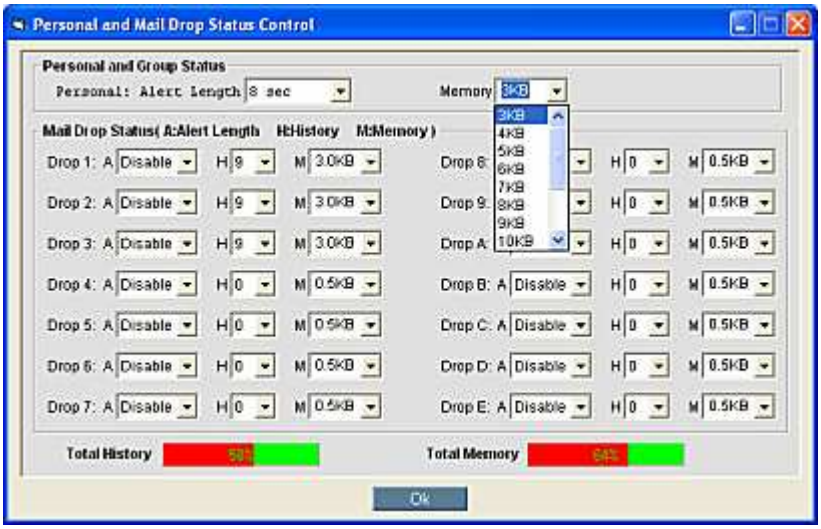


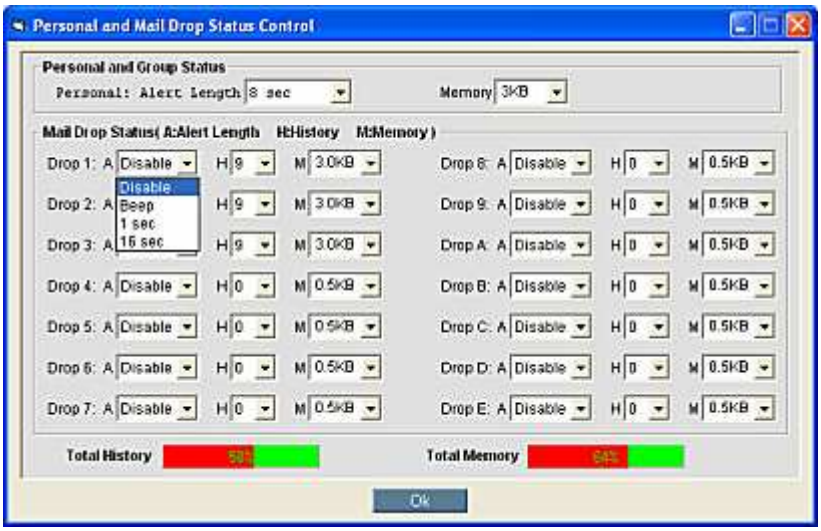
Msg. Status Select

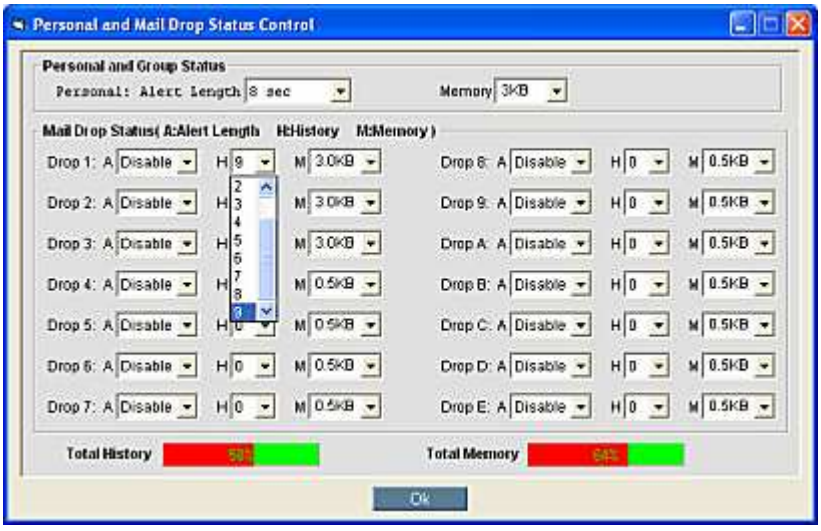
Click to set personal and mail drop(1~9、A~E) messages status.

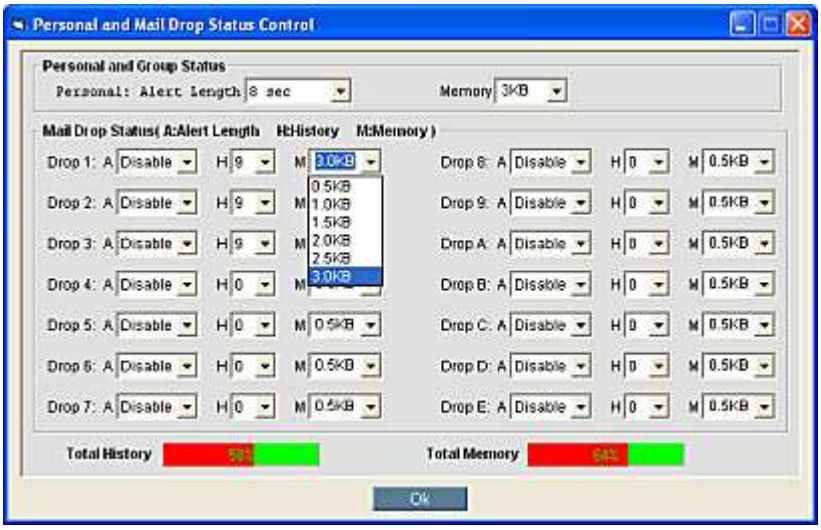




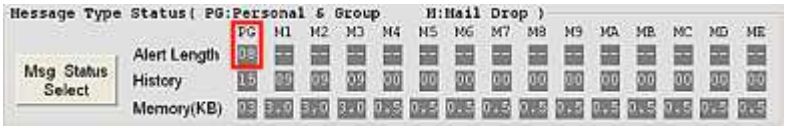

Personal and Mail Drop Status Control
Personal and Group Status
Personal: Alert Length 8 sec
Memory 3KB
3KB
4KB
5KB
6KB
7KB
8KB
9KB
10KB
Mail Drop Status(A:Alert Length H:History M:Memory)
Drop 1: A Disable H 9 M 3.0KB
Drop 2: A Disable H 9 M 3.0KB
Drop 3: A Disable H 9 M 3.0KB
Drop 4: A Disable H 0 M 0.5KB
Drop 5: A Disable H 0 M 0.5KB
Drop 6: A Disable H 0 M 0.5KB
Drop 7: A Disable H 0 M 0.5KB
Drop 8: A Disable H 0 M 0.5KB
Drop 9: A Disable H 0 M 0.5KB
Drop A: A Disable H 0 M 0.5KB
Drop B: A Disable H 0 M 0.5KB
Drop C: A Disable H 0 M 0.5KB
Drop D: A Disable H 0 M 0.5KB
Drop E: A Disable H 0 M 0.5KB
Total History
Total Memory
Ok


Personal and Mail Drop Status Control
Personal and Group Status
Personal: Alert Length 8 sec
Memory 3KB
Mail Drop Status(A:Alert Length H:History M:Memory)
Disable
Beep
1 sec
15 sec
Total History
Total Memory
Ok


Personal and Mail Drop Status Control
Personal and Group Status
Personal: Alert Length 8 sec
Memory 3KB
Mail Drop Status(A:Alert Length H:History M:Memory)
2
3
4
5
6
7
8
9
Total History
Total Memory
Ok



Personal and Group Alert Length



The available selections for all personal and group call messages alerts are:

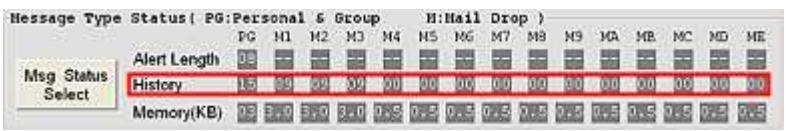
- **02**: 2 sec.
- **08**: 8 sec.
- **16**: 16 sec.
- **32**: 32 sec.
- **CT**: continuous.

Mail Drop Alert Length

The available selections for mail drop messages alerts are:

- **--**: Disable.
- **BP**: Short Beep.
- **01**: 1 sec.
- **16**: 16 sec.

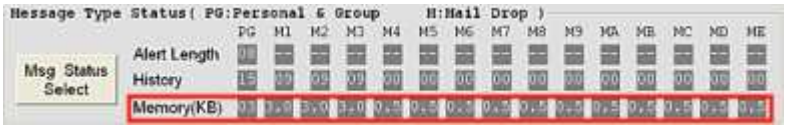
History



The selections are only available on mail-drop addresses. The pager can

keep up several history messages. Valid selections are: 0~9.

☒ **Memory**



The available selections for mail-drop memory size are: 0.5 KB, 1.0 KB, 1.5KB, 2.0 KB, 2.5 KB, and 3.0 KB.

The available selections for personal memory size are: 3 KB ~ 15KB.

Auto Increase 1 after write

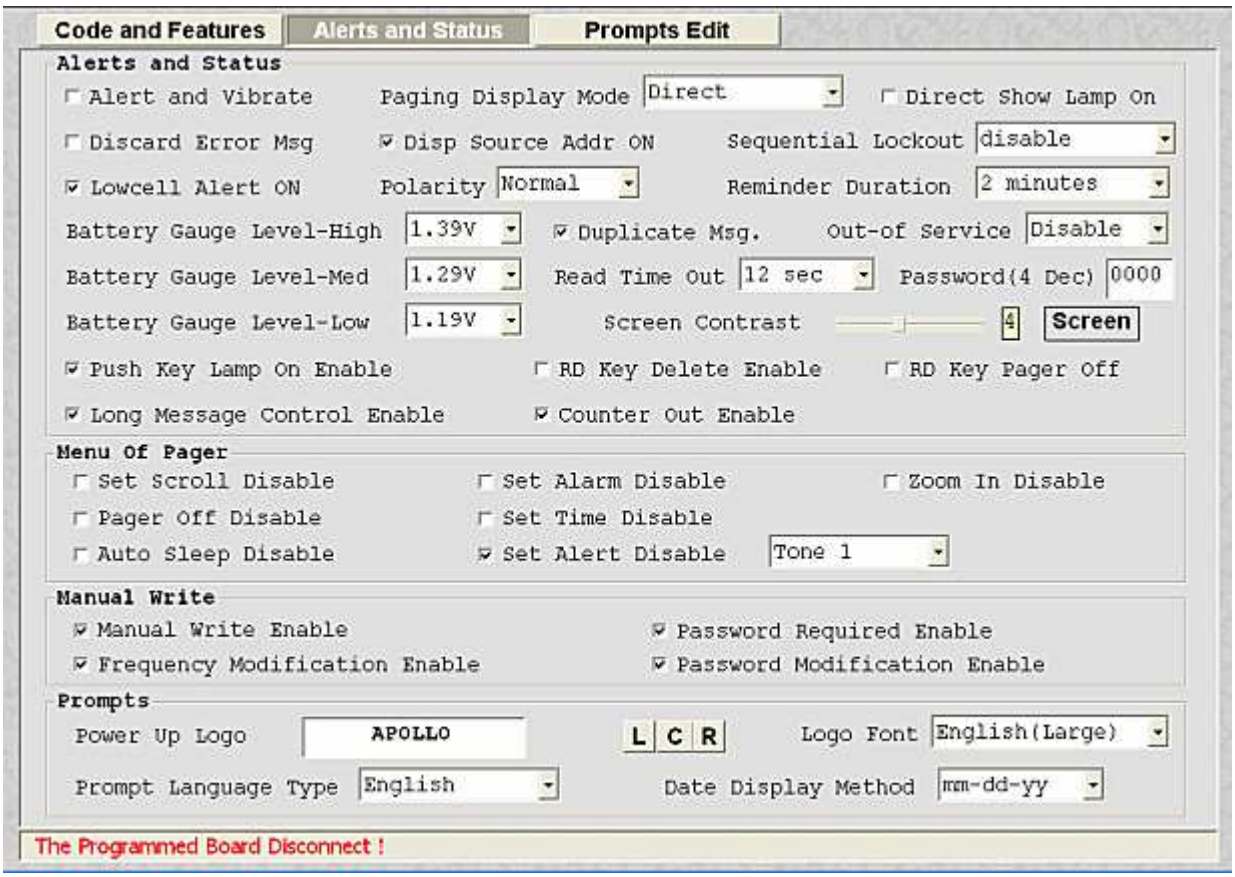
☑ **1st Capcode Auto Increase**

1st capcode always increment by one after write.

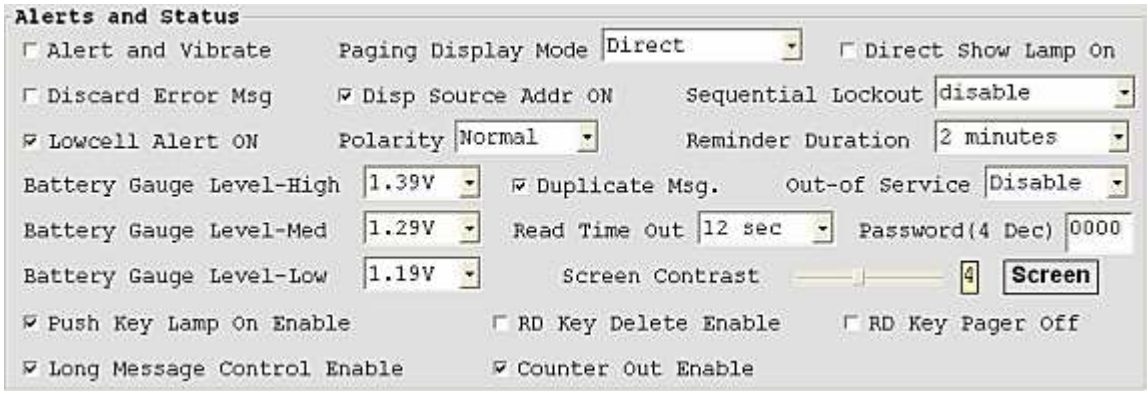
☑ **2nd Capcode Auto Increase**

2nd capcode always increment by one after write.

Alerts and Status



Alerts and Status



☑ **Alerts and Vibrate**

If it is selected, beep and vibration will active together.

Paging Display Mode

If “Direct” is selected then the message will show on the display at a message received. Otherwise it only shows a message location icon on the display.

☑ **Direct Show Lamp On**

When the paging display is “Direct”, if it is selected, the back-light will turn on at a message received.

☑ **Discard Error Msg.**

If it is selected, error message will be discarded.

☑ **Disp. Source Addr. ON**

If it is selected, the message will show the address source at last.

Sequential Lockout

The value is a sequential lockout timer begins when a message arrives and is flagged as being sequentially locked out. If duplicate messages arrive, one of the messages is disregarded and not flagged as a duplicate. Valid selections are disabled, 30 seconds, 60 seconds, 120 seconds, 175 seconds and 240 seconds.

☑ **Lowcell Alert ON**

If it is selected, the pager emits a, low battery cell alert when the battery reaches a low cell state.

Polarity

It select the RF signal polarity is normal or invert.

Reminder Duration

With this option selected, the time period begins with a newly arrived message and is reset every time a new message is received. Once the time period expires, the pager does not emit any more reminder alerts until a new message arrives. Valid time period selections are: Disable, 2 minutes, 10 minutes and 60 minutes.

☑ **Duplicate Msg.**

If it is selected, duplication detection is performed on all personal messages with the same message type as the new message, on a character by character basis. Error characters are ignored during the check. If all non-error characters in both messages match, the existing matching message is flagged as a duplicate. The message with the least number of errors is stored and the other messages are discarded. Duplication is not performed on mail-drop messages.

Battery Gauge Level-High

This value represents the battery voltage level necessary for the battery gauge to display a full battery. If the battery voltage is higher or equal to this value, the full battery gauge icon is displayed. Valid selections are: 1.58V, 1.53V, 1.48V, 1.43V, 1.39V, 1.35V, 1.29V, 1.23V, 1.19V, 1.14V, 1.09V, 1.05V, and 1.00V. The High level must be greater than the Med level, and the Med level Must be greater than the Low level. None of the levels can be equal to each other.

Battery Gauge Level-Med

This value represents the battery voltage level necessary for the battery gauge to display a full battery. If the battery voltage is higher or equal to this value, the full battery gauge icon is displayed. Valid selections are: 1.58V, 1.53V, 1.48V, 1.43V, 1.39V, 1.35V, 1.29V, 1.23V, 1.19V, 1.14V, 1.09V, 1.05V, and 1.00V. The High level must be greater than the Med level, and the Med level Must be greater than the Low level. None of the levels can be equal to each other.

Battery Gauge Level-Low

This value represents the battery voltage level necessary for the battery gauge to display a full battery. If the battery voltage is higher or equal to this value, the full battery gauge icon is displayed. Valid selections are: 1.58V, 1.53V, 1.48V, 1.43V, 1.39V, 1.35V, 1.29V, 1.23V, 1.19V, 1.14V, 1.09V, 1.05V, and 1.00V. The High level must be greater than the Med level, and the Med level Must be greater than the Low level. None of the levels can be equal to each other.

☑ **Push Key Lamp On Enable**

If it is selected, the back-light will turn on after any key be pressed.

☑ **RD Key Delete Enable**
If it is selected, the RD key can use as delete feature at read message moment.

☑ **RD Key Pager Off**
If it is selected, the RD key can use as Pager off feature at time display moment.

☑ **Long Message Control Enable.**
If it is selected, then the message most length is 2,000 characters, otherwise the length only can be 300 characters.

📌 **Out-of Service**
With an out-of-service time specified by the code plug, the pager is considered "out of service" when it does not detect a POCSAG synchronization word for that time period. The out-of-service icon displays at this time. Valid selections are: disabled, 1 min, 2 min, 5 min and 10 min.

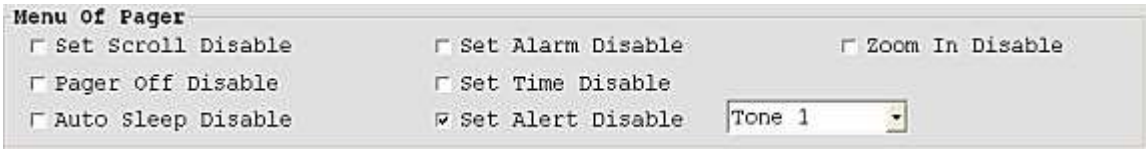
📌 **Read Time Out**
The current pager display changes after the selected time frame has expired. Valid selections are: 8 sec, 12 sec, 20 sec, 30 sec.

📌 **Password (4 Dec)**
It is used for the user's manual programming.

📌 **Screen Contrast**
It selects the LCD display contract level.

☑ **Counter Out Enable**
If it is selected, the message will indicate the counter number at first.

Manu Of Pager



☑ **Set Scroll Disable**
If it is selected, menu of scroll is disabled.

☑ **Pager Off Disable**
If it is selected, menu of pager off is disabled.

☑ **Auto Sleep Disable**
If it is selected, menu of auto sleep is disabled.

☑ **Set Alarm Disable**
If it is selected, menu of set alarm is disabled.

☑ **Set Time Disable**
If it is selected, menu of set time is disabled.

☑ **Set Alert Disable**
If it is selected, menu of set alert is disabled then you must select one of 5 type alerts as your default.

☑ **Zoom In Disable**
If it is selected, menu of zoom function will be disabled.

Manual Write

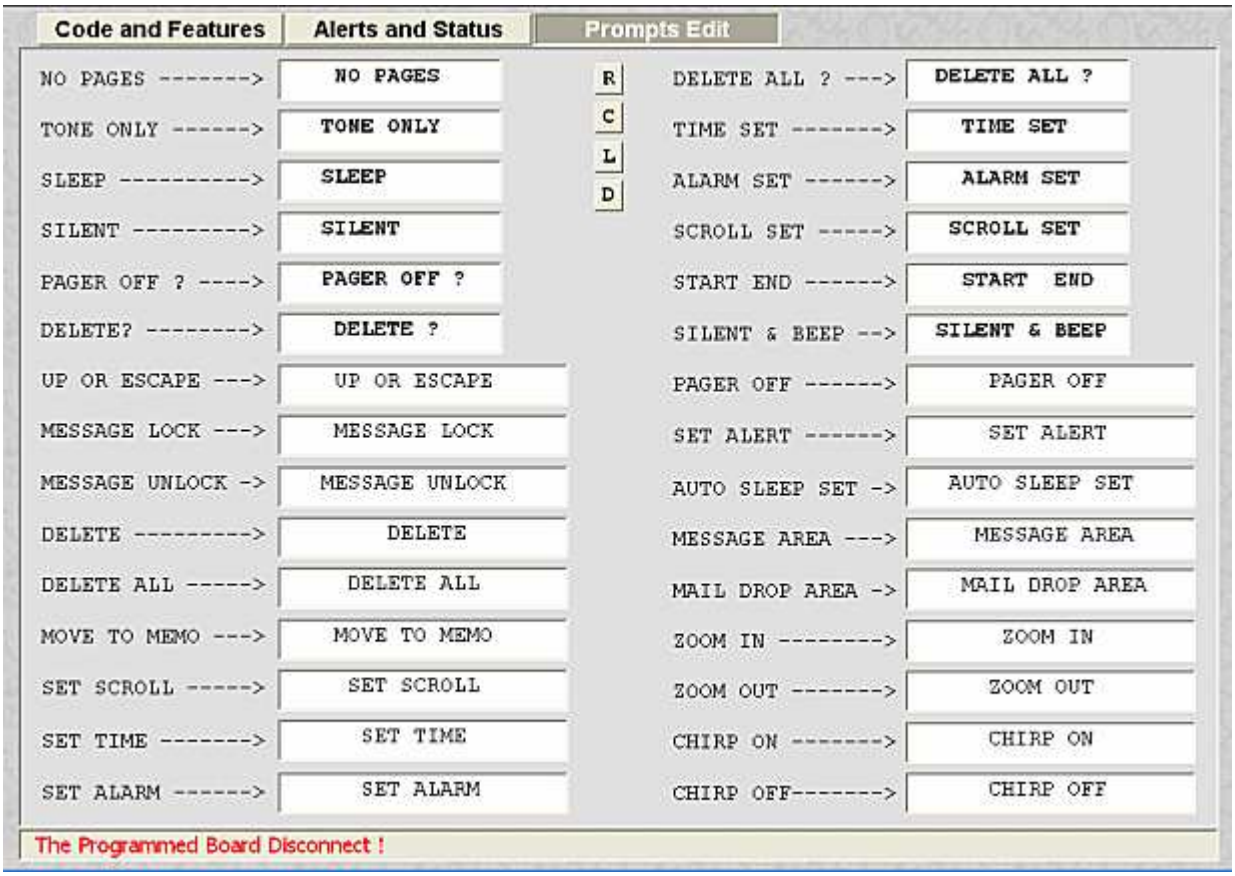
☑ **Manual Write Enable**
If it is selected, manual write enable.

☑ **Frequency Modification Enable**
If it is selected, frequency modification is enabled at manual programming.

☑ **Password Required Enable**
If it is selected, enters manual programming password is required.

☑ **Password Modification Enable**
If it is selected, enters manual programming password can be modification.

Prompts

Prompts Edit

Each prompt can be customized in the code-lug, if desired, or the defaults can be used.