



Gold Apollo Co., Ltd.

Alpha-Numeric Display Pager

MODEL :AL-A28



PAGER PROGRAMMING GUIDE

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Getting Started

The ALA28 pager Programming software, provides the flexibility to program ALA28 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
- ALA28 Programmer
- A DB25 male-male printer cable
- ALA28 Pager Programming Software

Equipment Setup

Refer to Figure 1 while performing the follows:

1. At the rear of the PC, connect the DB25 male-male interface cable to the printer port on your computer.
2. Plug end of the DB25 cable into the ALA28 programmer.
3. Hardware installation is complete.

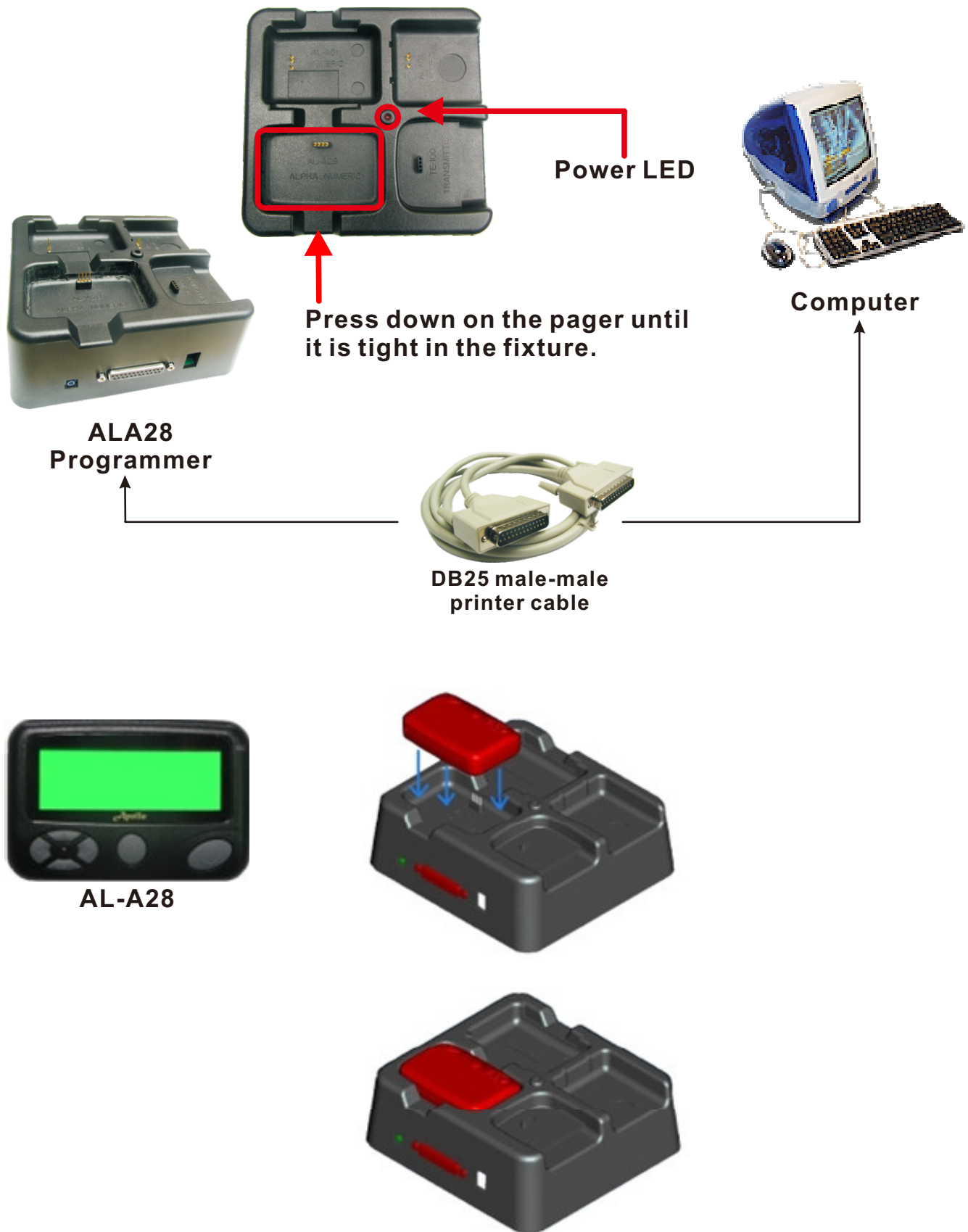


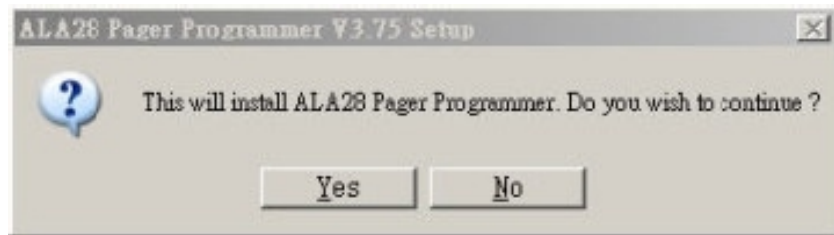
Figure 1 Programmer Hardware Connections

Installing Programmer Software

Installation

Install the programmer software into a PC as follows:

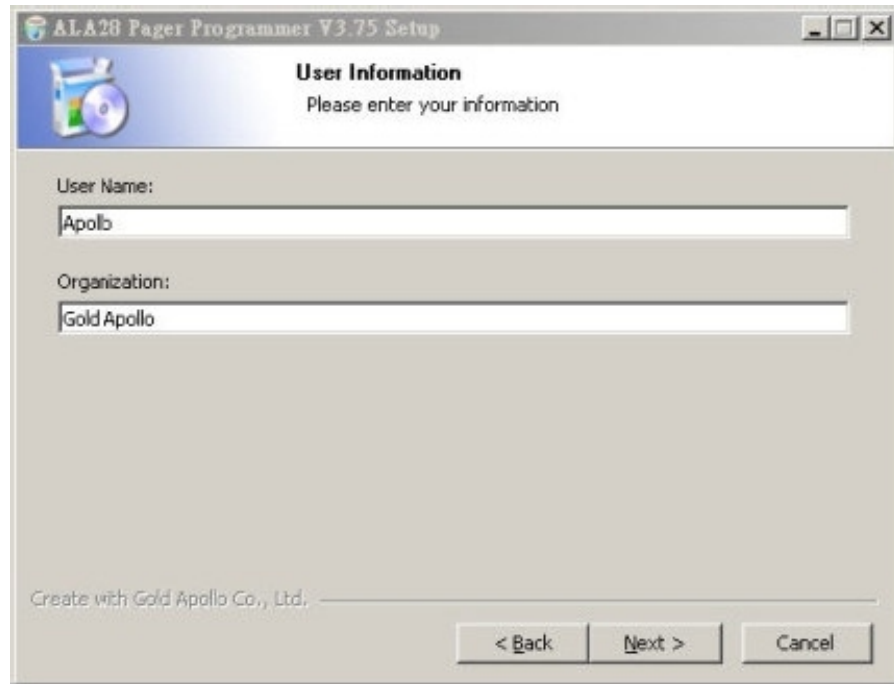
1. Uncompress the ALA28FV3.81_FD0801.zip and save them in a temporary directory.
2. Double click the setup.exe file. Click on “Y”.



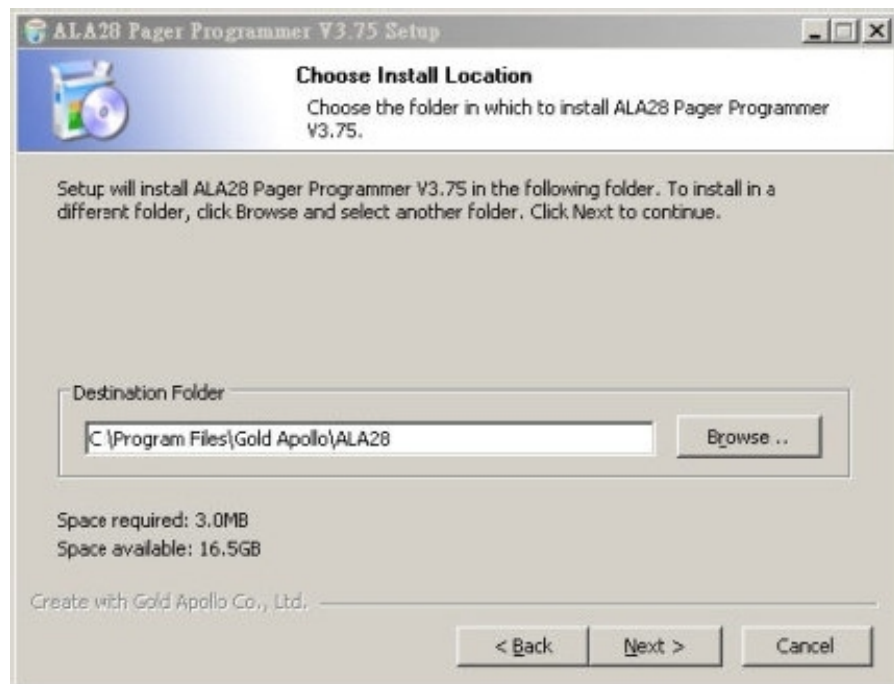
3. Click “Next” on the Welcome screen.



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



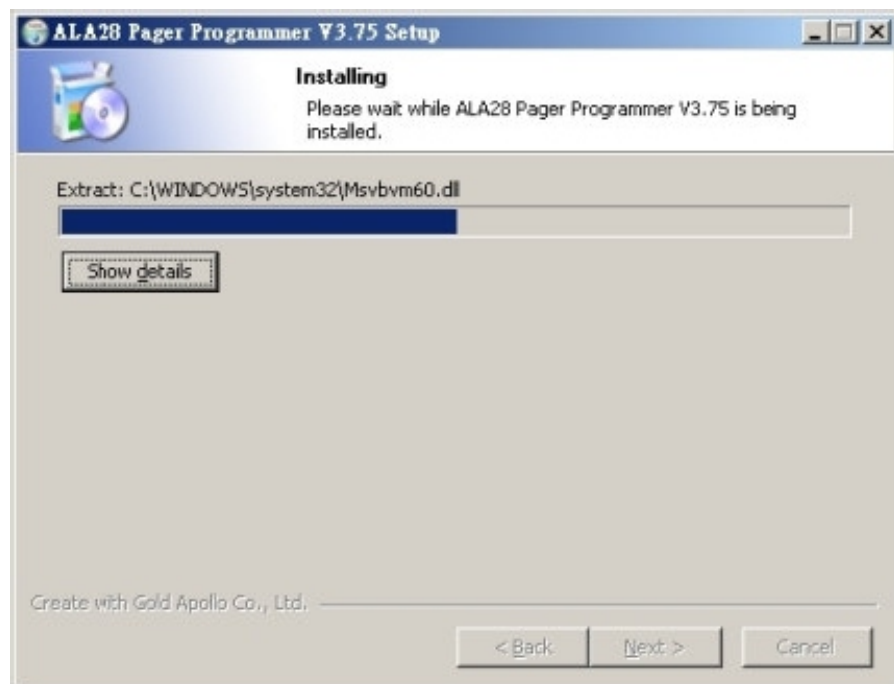
5. Choose where the program should be installed and click “Next”.

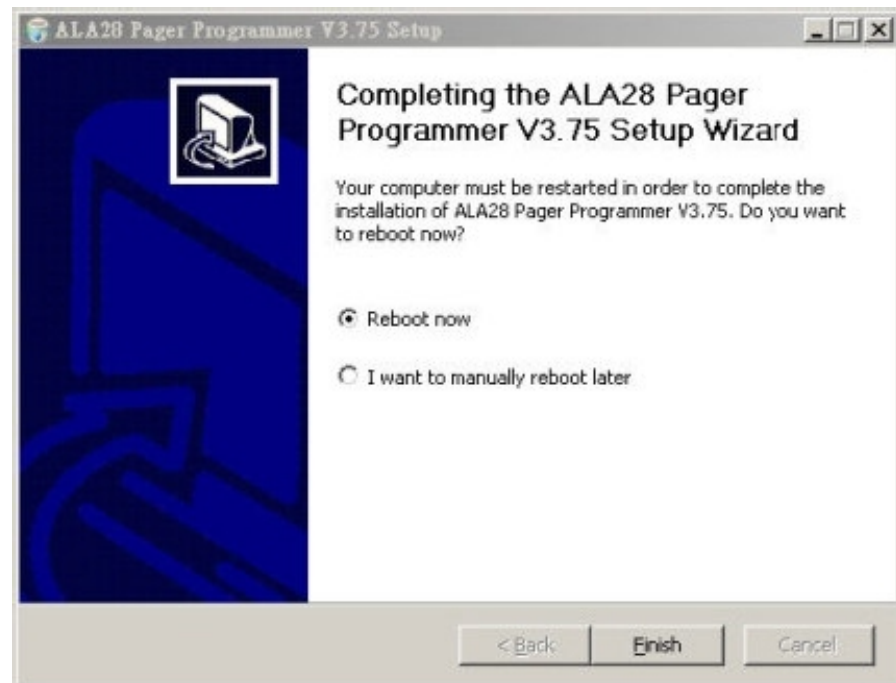


6. On the Select Program Folder screen choose where you would like the program to show up in your start menu and click “Install”.



7. Click “Finish” on the Setup Complete screen.





Running

You now have the program installed. To run it from the Start menu/Programs / Gold Apollo /ALA28 Pager Programmer

ALA28 Programming

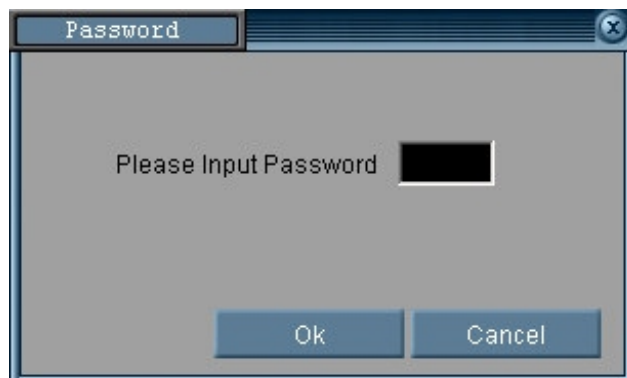
Introduction

Preparing a Pager for Reading or Programming:

- Establish a computer hardware configuration.
- Run the programming software of ALA28.
- 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 ALA28.
- Align the pager contact pin holes with the contact pins of the ALA28 Programmer.
- Press down on the pager until it is tight in the fixture.
- Turn the pager off or wait the pager until standby mode.
The pager is now ready to read or program.

Starting the Programmer

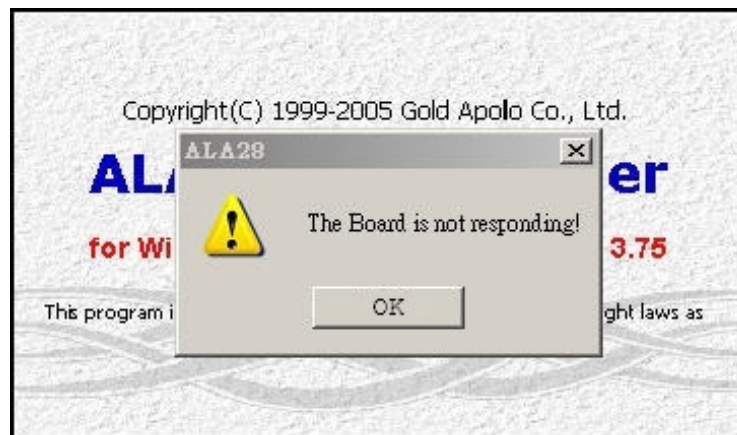
The application can be launched from Start → Programs → Gold Apollo → ALA28 Pager Programmer. The following window appears :



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 :



Now, the system examines that the ALA28 programmer is well installed. If any questions, the following window appears :



Please re-check the ALA28 programmer and printer port are well installed or not. If connection successfully with the ALA28 programmer. The system enters the Code and Features Menu °

Code and Features Menu

ALA28F Pager Programmer V3.81 - [C:\Program Files\Gold Apollo\ALA28F\default.tbl]

File Pager Help

Freq. & Codes **Alert & Status**

Frequency

Range Of Frequency: 130-180MHz Frequency Of Pager: 1530000 00Hz

POCSAG Signal Baud Rate: 1200 bps

Capcode (Decimal Address)

Cap #	Decimal Address	ON	Fun. Bit	Disable & Disp:	Priority:	Type:
Cap #1	1234567	<input checked="" type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #2	1234560	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #3	1234561	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #4	1234562	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #5	1234563	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #6	1234564	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #7	1234565	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP
Cap #8	1234566	<input type="checkbox"/>	ON	Fun. Bit	Disable & Disp: AAAA	Priority: ---- Type: PPPP

Personal and Group Alert Length

Personal Alert Length: 8 sec

Auto Increase 1 After Write

☐ 1st Capcode Auto Increase ☐ 2nd Capcode Auto Increase

Frequency

Frequency

Range Of Frequency: 130-180MHz Frequency Of Pager: 1530000 00Hz

POCSAG Signal Baud Rate: 1200 bps Channel: 5KHz

- Range Of Frequency: 130-180MHz

You can select the range of frequency and all setting will load default value.

- Frequency Of Pager: 1530000 00Hz

The frequency is on which the pager operates.

- POCSAG Signal Baud Rate: 1200 bps

The baud rate is on which the pager operates.

Capcode (Decimal Address)

Capcode (Decimal Address)						
Cap #1	1234567	<input checked="" type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #2	1234560	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #3	1234561	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #4	1234562	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #5	1234563	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #6	1234564	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #7	1234565	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #8	1234566	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP

- **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.

ALA28F Pager Programmer V3.81 - [C:\Program Files\Gold Apollo\ALA28F\default.tbl]

File Pager Help

Freq. & Codes **Alert & Status**

Frequency
 Range Of Frequency: 130-180MHz
 Frequency Of Pager: 1530000 00Hz
 POCSAG Signal Baud Rate: 1200 bps

Capcode (Decimal Address)

Cap #1	1234567	<input checked="" type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #2	1234560	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #3	1234561	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #4	1234562	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #5	1234563	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #6	1234564	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #7	1234565	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP
Cap #8	1234566	<input type="checkbox"/> ON	Fun. Bit	Disable & Disp: AAAA	Priority: ----	Type: PPPP

Capcode Function Bit Setting

Message Disable and Display

Fun. Bit A	Fun. Bit B	Fun. Bit C	Fun. Bit D
Alpha	Alpha	Alpha	Alpha

Priority Alert Control

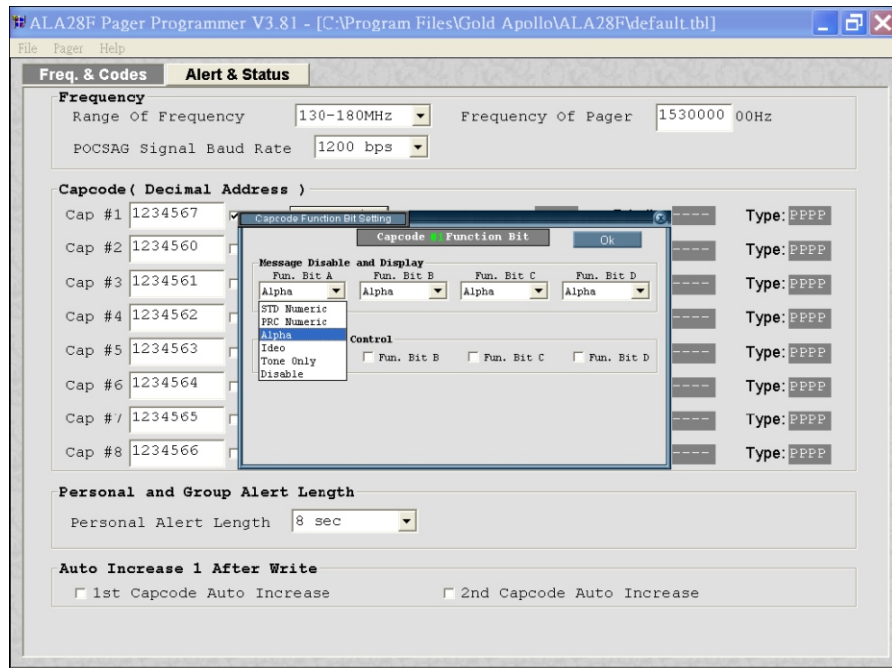
☐ Fun. Bit A ☐ Fun. Bit B ☐ Fun. Bit C ☐ Fun. Bit D

Personal and Group Alert Length

Personal Alert Length: 8 sec

Auto Increase 1 After Write

☐ 1st Capcode Auto Increase ☐ 2nd Capcode Auto Increase



- **Disable & Disp:** PAAA

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

N: STD Number.

P: PRC Number.

A: Alpha number.

I: Ideographic.

T: Tone only

D: Disable

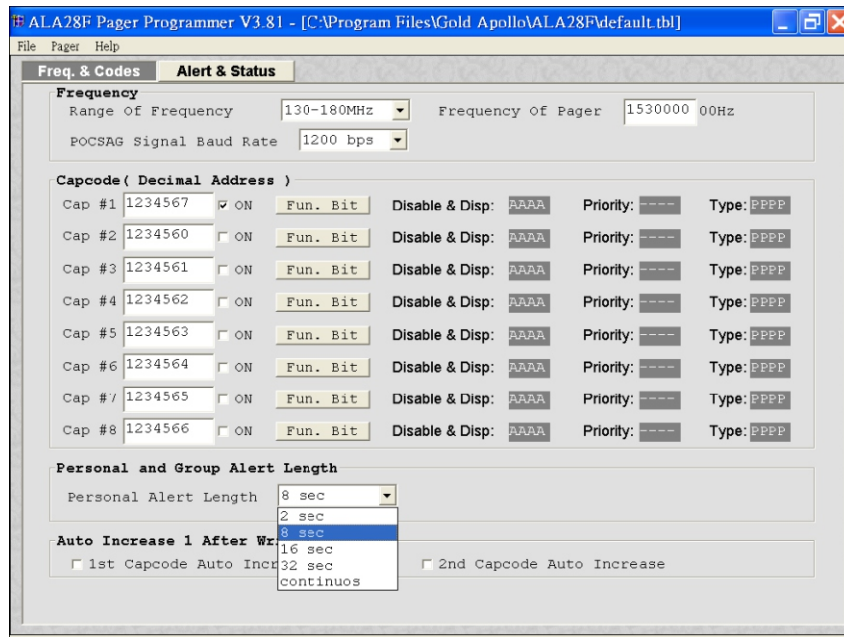
- **Priority:** ----

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

- **Type:** PPPP

Function Bit (A, B, C, D) Message Type:

P: Personal.



The available selections for alerts are:

02: 2 sec.

08: 8 sec.

16: 16 sec.

32: 32 sec.

CT: continuous.

Auto Increase 1 after write

Auto Increase 1 After Write

☐ 1st Capcode Auto Increase ☐ 2nd Capcode Auto Increase

- ☐ 1st Capcode Auto Increase
1st capcode always increment by one after write.
- ☐ 2nd Capcode Auto Increase
2nd capcode always increment by one after write.

Alert and Status

Alert and Status

- ☒ 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.

- ☐ Discard Error Msg

If it is selected, error message will be discarded.

- Battery Gauge Level-High 1.39V

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 1.29V ▾

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 1.19V ▾

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.

- ☐ Direct Show Lamp On

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

- ☒ Lowcell Alert ON


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

- Polarity Normal ▾

It select the RF signal polarity is normal or invert.

- Out-of Service Disable ▾

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.

- 

It selects the LCD display contract level.

-

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.

-

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.

-

It is used for the user's manual programming.

Manual Write

Manual Write	
<input checked="" type="checkbox"/> Manual Write Enable	<input checked="" type="checkbox"/> Password Required Enable
<input checked="" type="checkbox"/> Frequency Modification Enable	<input checked="" type="checkbox"/> Password Modification Enable

- ☒ 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

User Name

Power Up Logo

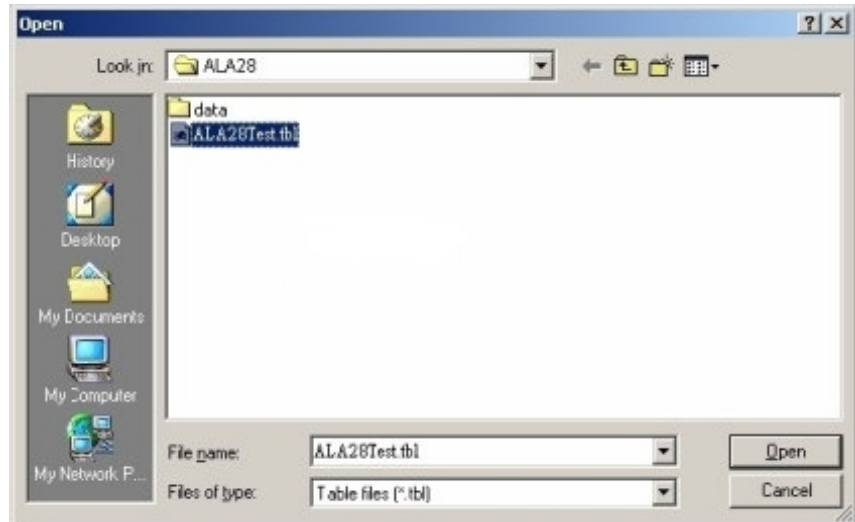
L C R

Out of Range Prompts

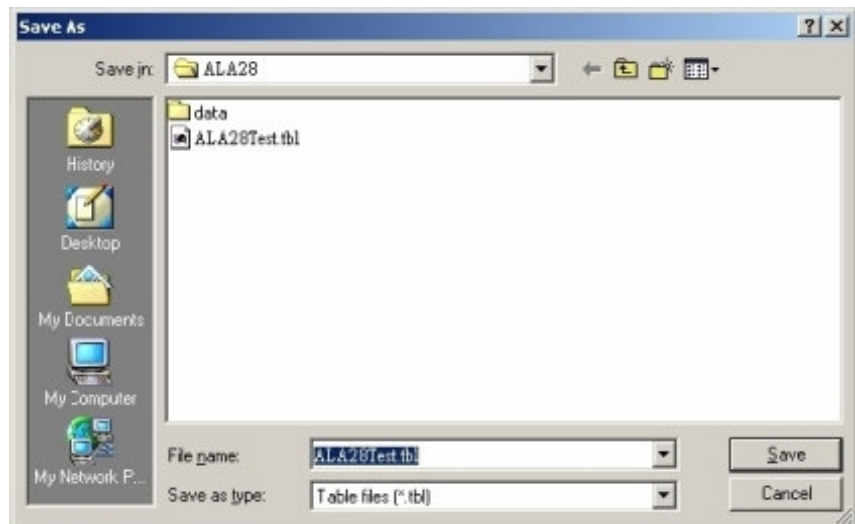
Out Of Range Prompts

File | Open (Ctrl + O)

Click “Open” or “Ctrl + O” to open the ALA28 code-plug file. The file has the extension “.tbl”.

**File | Save (Ctrl + S)**

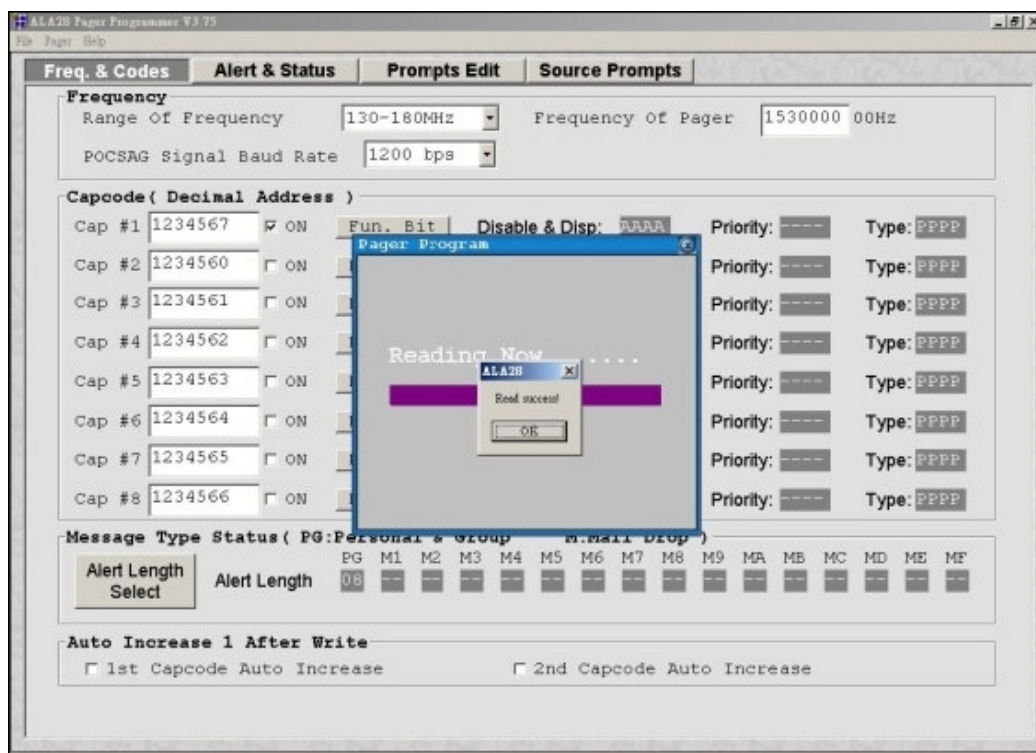
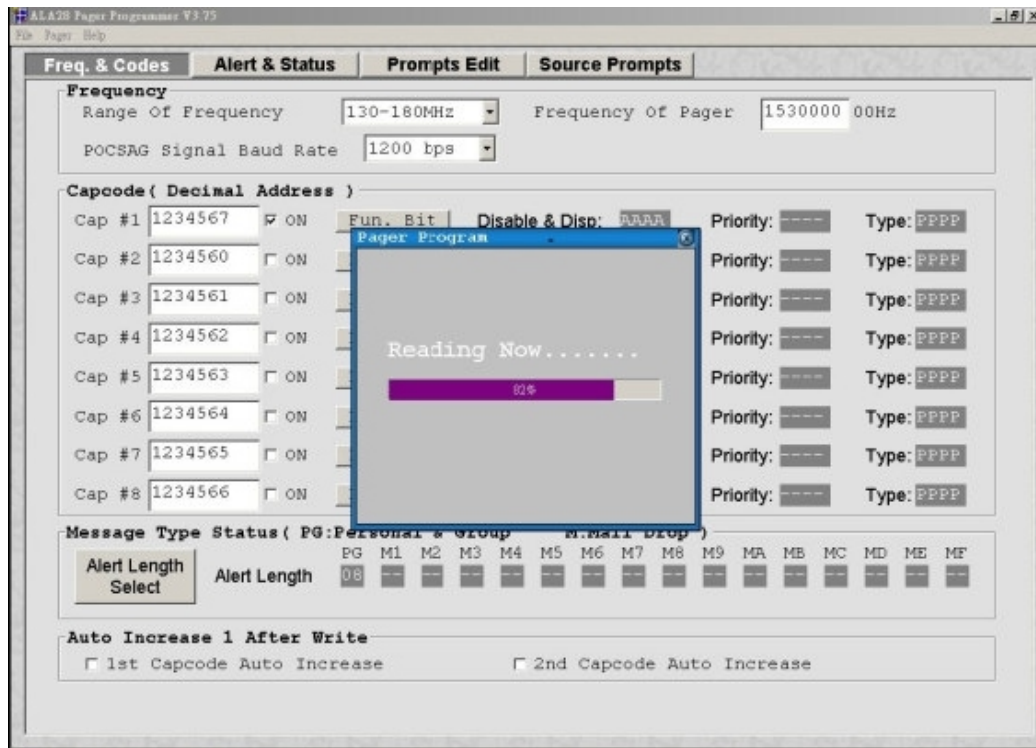
Click “Save” or “Ctrl + S”, save the current code-plug data to a file.

**File | Exit (Ctrl + E)**

Exit the programmer software.

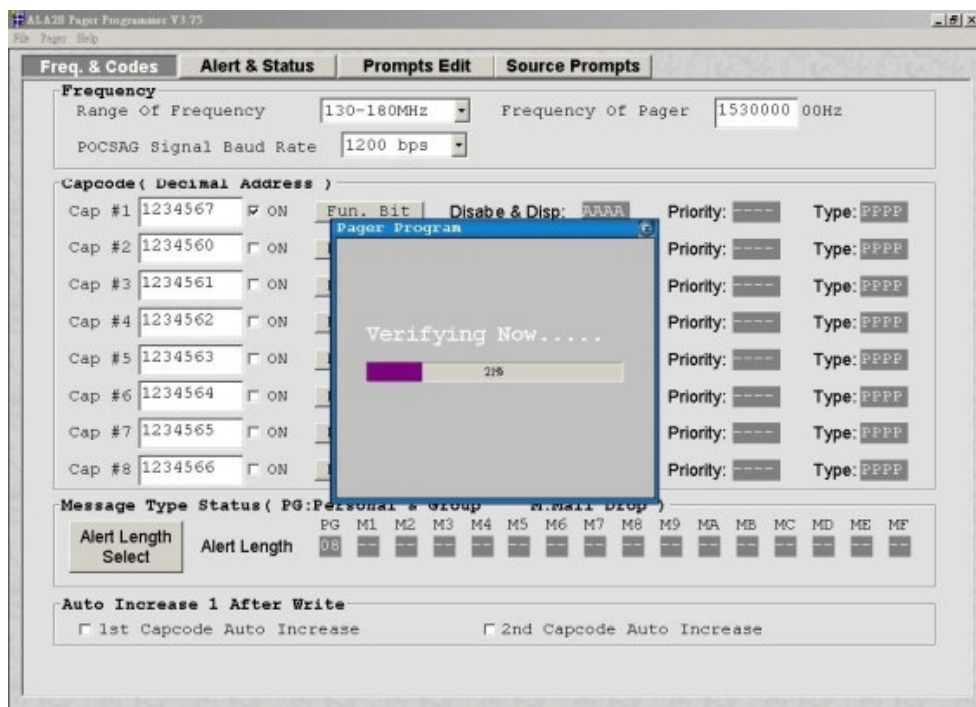
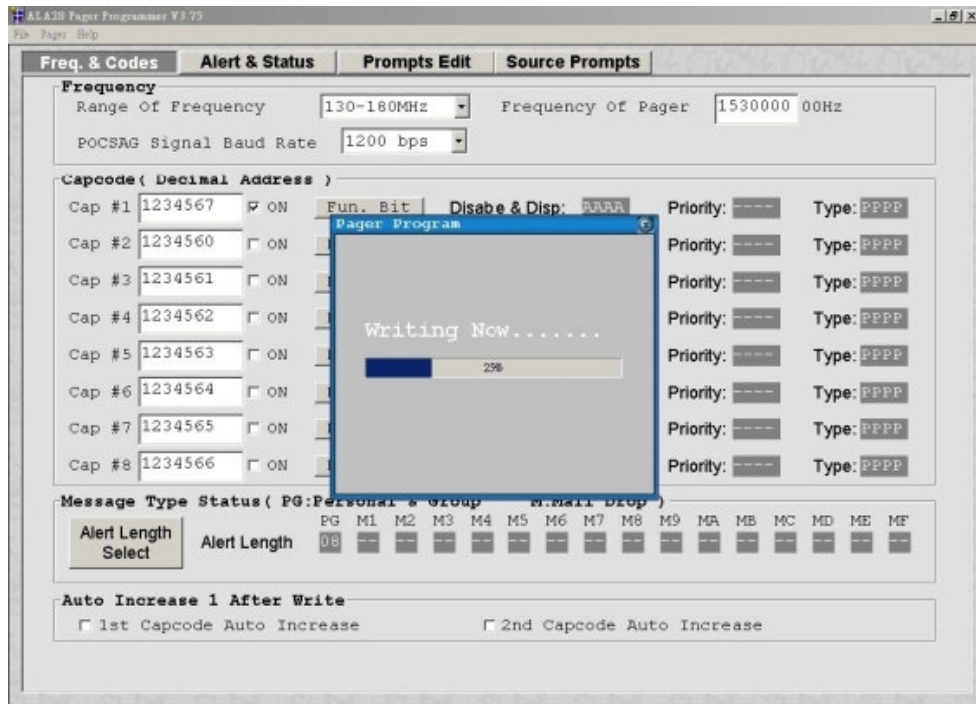
Pager | Read (F3)

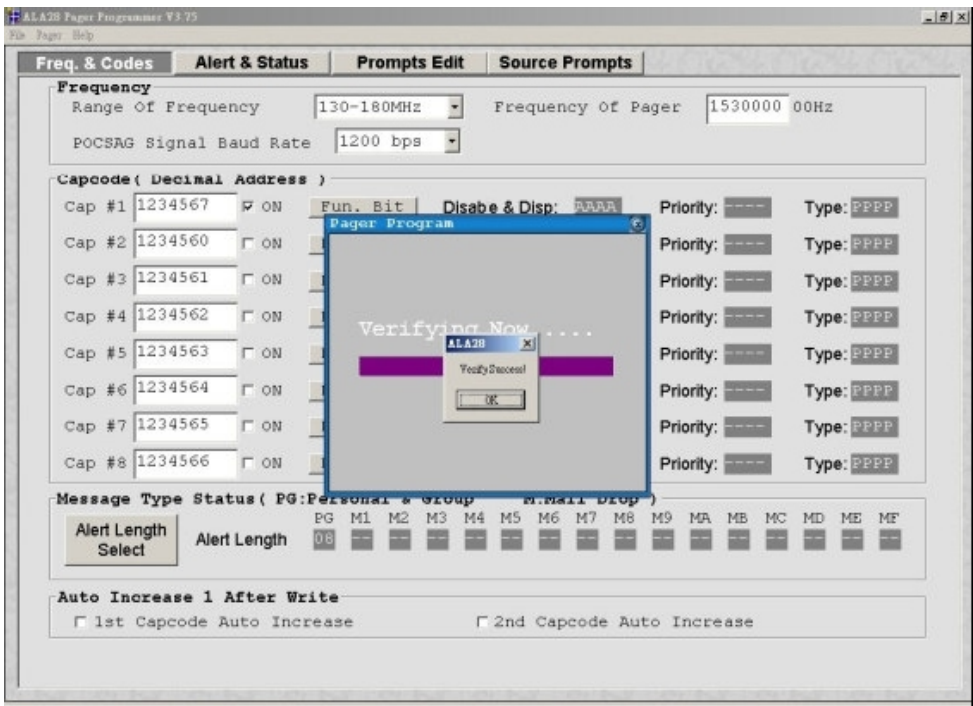
Click “Read” or press “F3” to read code-plug data from a ALA28. The status window shows reading process, when it's done, you will see a message window of 『Read success』 on the screen.



Pager | Write (F4)

Click “Write” or press “F4” to program the ALA28. The status window shows the writing process. When writing process finished, will starting verify process, when it is done, you will see a window of 『Verify success』 on the screen.





About

About the ALA28 Pager Programmer software information.

