Alpha-Numeric Display Pager

MODEL : AL-A29
Contents

GETTING STARTED ......................................................................................................................... 1

   Equipment Required.................................................................................................................. 1
   Equipment Setup...................................................................................................................... 1

INSTALLING PROGRAMMER SOFTWARE .................................................................................. 3

   Installation............................................................................................................................... 3
   Running.................................................................................................................................... 6

ALA29 PROGRAMMING ............................................................................................................... 7

   Introduction............................................................................................................................... 7
   Starting the Programmer.............................................................................................................. 7
   Main Menu................................................................................................................................. 8
   Menu bar................................................................................................................................... 9
   Frequency and Capcode............................................................................................................. 10
   Frequency................................................................................................................................ 10
   Capcode (Decimal Address)....................................................................................................... 11
   Message Type Status.................................................................................................................. 12
   Alert and Status.......................................................................................................................... 13
   Alerts and Status......................................................................................................................... 14
   Manu Of Pager............................................................................................................................. 17
   Prompts..................................................................................................................................... 18
   Prompts Edit................................................................................................................................. 19
   Source Prompts.......................................................................................................................... 20
   Music & Tone................................................................................................................................. 21
Getting Started

The ALA29 Pager Programming software, provides the flexibility to program ALA29 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) or compatible
- Windows XP or above operating system
- 512 MB of RAM
- ALA29 Programmer
- USB Cable - Type A to B
- ALA29 Pager Programming Software

Equipment Setup

Refer to Figure 1 while performing the follows:

1. At the rear of the PC, connect the USB cable Type A Male to the USB port.

2. Plug the USB cable Type B Male into USB connector of the ALA29 programmer.

3. Hardware installation is complete.

*Be sure to remove & re-insert the battery after programming the pager to save the data.*
Computer

AL-A29

AL-A29 Programmer

USB Cable Type A to B

*Figure 1 Programmer Hardware Connections*
Installing Programmer Software

Installation

Install the programmer software into a PC as follows:

1. Uncompress the ALA29.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”.

![Choose Install Location](image1)

![Choose Start Menu Folder](image2)

![Installing](image3)
7. If you had installed USB driver then click “Finish” on the Setup Complete screen and ALA29 Pager Programmer has been installed on your computer.

8. If you did not install USB driver then 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 /ALA29 Pager Programmer.
ALA29 Programming

Introduction

Preparing a Pager for Reading or Programming:

1. Establish a computer hardware configuration. PRG LED and PW LED of programmer will turn on always.

2. Run the programming software of ALA29 and enters to the Main Menu. PRG LED will flash two times per second to indicate the connection well. If the PRG LED did not flash correctly then you must check the configuration and restart the programming software of ALA29.

3. Turn the pager on and wait the pager until standby mode. The pager is now ready to read or program.

4. Put pager into programmer and make sure pager position correctly then pager will show the “Be Programmed Mode !” for ready to go.

Starting the Programmer

1. The application can be launched from Start → Programs → Gold Apollo → ALA29 Pager Programmer. The following window appears:

   ![Password Window]

   Input your password. If key in wrong password for 3 times, the system shuts off automatically.
2. Now, the system examines that the ALA29 programmer is well installed. If any questions, the following window appears:

![AL-A29 Alert Window]

3. Please re-check the ALA29 programmer and printer port are well installed or not. If the connection with the ALA29 Programmer are OK. 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 a ALA29 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 ALA29 pager programming version.
Frequency and Capcode

- Serial Number
  The serial number only reads from pager.

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

- Freq.
  The frequency is on which the pager operates.

- Baud Rate
  The baud rate is on which the pager operates.
Polarity
It selects the RF signal polarity is normal or inverted.

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.
- **Message Display**
  Function Bit(A, B, C, D) Message Display:
  
  N: Standard Number.
  P: PRC Number.
  A: Alpha number.
  I: Ideographic.
  T: Tone Only.
  -: Disable.

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

- **Message 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**

- **Alert Length Select**
  Click to set personal and mail drop(1~9, A~E) messages status.
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.

Alert and Status

![Pager Programming Software Interface]

- **Frequency & Codepage**
- **Alerts & Status**
- **Prompts Edit**
- **Source Prompts**
- **Music & Tones**

### Alerts and Status
- **Deep Source Alert On**
- **Lowerrl Alert Enable**
- **Deep and Vibration**
- **Rechargeable Bat. 1.4V**
  - Battery Gauge Level-High: 2.65V
  - Battery Gauge Level-Med: 2.55V
  - Battery Gauge Level-Low: 2.49V
- **Long Message Control On**
- **Paging Display**
- **Push Key Lamp On Enable**
- **Out Of Range**

### Menus Of Pager
- **Zoom In/Out Off**
- **Set Alarm Off**
- **Delete Off**
- **Delete All Off**
- **Set Scroll Off**
- **CSP-ON Off**
- **Lock/Unlock Off**
- **Move To Memo Off**
- **Set Time Off**
- **Pager Off Disable**
- **Set Alarm Off**

### Prompts
- **Power Up Logo**
- **Logo Large Font**
- **Logo Font**
- **Prompt Language**
- **Date Display**

September 29, 2010
Alerts and Status

- **Disp Source Addr ON**
  If it is selected, the message will show the address source at last.

- **Lowcell Alert Enable**
  If it is selected, the pager emits a, low battery cell alert when the battery reaches a low cell state.

- **Beep and Vibration**
  If it is selected, beep and vibration will active together.

- **Rechargeable Bat. 2.4V**
  If it is selected, the battery voltage is 2.4V, If it’s not selected, it will be 1.2V.

- **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 for 2.4V are: 2.54V, 2.50V, 2.48V, 2.46V, 2.43V, 2.40V, 2.38V, 2.35V, 2.30V and valid selections for 1.2V 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, 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 for 2.4V are: 2.54V, 2.50V, 2.48V, 2.46V, 2.43V, 2.40V, 2.38V, 2.35V, 2.30V and valid selections for 1.2V 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, 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 for 2.4V are: 2.54V, 2.50V, 2.48V, 2.46V, 2.43V, 2.40V, 2.38V, 2.35V, 2.30V and valid selections for 1.2V 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, 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.

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

• 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.

✔ Direct Show Until Press Key
  If it is selected, the message will be displayed until press key.

✔ 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 Switch Alert
If it is selected, the RD key switch alert function will be enabled.

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.

Vibrate Off In Charger
If it is selected, vibrate off in the charger function will be enabled.

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.

Duplicate Msg. Detect
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.

Discard Error Msg
If it is selected, error message will be discarded.

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

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.
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.

Screen Contrast
It selects the LCD display contrast level.

Menu Of Pager

- **Zoom In/Out Off**
  If it is selected, menu of zoom function will be disabled.

- **Set Scroll Off**
  If it is selected, menu of scroll is disabled.

- **Set Time Off**
  If it is selected, menu of set time is disabled.

- **Set Alarm Off**
  If it is selected, menu of set alarm is disabled.

- **CAP-ON Off**
  If it is selected, menu of capcode enable/disable function will be disabled.

- **Pager Off Disable**
  If it is selected, menu of pager off is disabled. Delete Off
  If it is selected, menu of delete is disabled.

- **Lock/Unlock Disable**
  If it is selected, menu of lock/unlock is disabled.

- **Set Alert Off**
  If it is selected, menu of set alert is disabled then you must select one of 14 type alerts as your default.
Delete All Off
If it is selected, menu of delete all is disabled.

Move To Memo Off
If it is selected, menu of move to memo is disabled.

Prompts

<table>
<thead>
<tr>
<th>Prompts</th>
<th>Power Up Logo</th>
<th>Logo Font</th>
<th>Prompt Language</th>
<th>Date Display</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>APOLLO</td>
<td>L</td>
<td>C</td>
<td>R</td>
</tr>
</tbody>
</table>
Prompts Edit

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

<table>
<thead>
<tr>
<th>Frequency &amp; Capsode</th>
<th>Alerts &amp; Status</th>
<th>Prompts Edit</th>
<th>Source Prompts</th>
<th>Music &amp; Tone</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO PAGES</td>
<td>NO PAGES</td>
<td></td>
<td>SET CAPCODE</td>
<td></td>
</tr>
<tr>
<td>TONE ONLY</td>
<td>TONE ONLY</td>
<td></td>
<td>CAPCODE SET</td>
<td></td>
</tr>
<tr>
<td>ZOOM IN</td>
<td>ZOOM IN</td>
<td></td>
<td>MOVE TObero</td>
<td></td>
</tr>
<tr>
<td>ZOOM OUT</td>
<td>ZOOM OUT</td>
<td></td>
<td>SCROLL SET</td>
<td></td>
</tr>
<tr>
<td>SET SCROLL</td>
<td>SET SCROLL</td>
<td></td>
<td>TIME SET</td>
<td></td>
</tr>
<tr>
<td>SET TIME</td>
<td>SET TIME</td>
<td></td>
<td>MESSAGE LOCK</td>
<td></td>
</tr>
<tr>
<td>SET ALARM</td>
<td>SET ALARM</td>
<td></td>
<td>MESSAGE UNLOCK</td>
<td></td>
</tr>
<tr>
<td>ALARM SET</td>
<td>ALARM SET</td>
<td></td>
<td>GET HISTORY</td>
<td></td>
</tr>
<tr>
<td>PAGED OFF</td>
<td>PAGER OFF</td>
<td></td>
<td>HISTORY SET</td>
<td></td>
</tr>
<tr>
<td>PAGES OFF ?</td>
<td>PAGER OFF ?</td>
<td></td>
<td>CHARGING</td>
<td></td>
</tr>
<tr>
<td>SET ALERT</td>
<td>SET ALERT</td>
<td></td>
<td>BEEP</td>
<td></td>
</tr>
<tr>
<td>ESCAPE</td>
<td>ESCAPE</td>
<td></td>
<td>VIBRATION</td>
<td></td>
</tr>
<tr>
<td>DELETE</td>
<td>MESSAGE DELETE</td>
<td></td>
<td>VIBRATE AND BEEP</td>
<td></td>
</tr>
<tr>
<td>DELETED</td>
<td>MESSAGE DELETE ?</td>
<td></td>
<td>FLASH ONLY</td>
<td></td>
</tr>
<tr>
<td>DELETE ALL</td>
<td>DELETE ALL</td>
<td></td>
<td>DISCRETE</td>
<td></td>
</tr>
<tr>
<td>DELETE ALL ?</td>
<td>DELETE ALL ?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Out Of Range</td>
<td>Out Of Range</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Source Prompts

- **Prompt Control**
  Each prompt can be customized in the code-lug, if desired, or the defaults can be used. If selected, the text programmed is displayed at the first of the message or end of message.
Music & Tone

Following list type of alert can be customized in the code plug or select from default tones.

* Be sure to remove & re-insert the battery after programming the pager to save the data.*