

comPPage PageConnect Server Software

Information in this document is subject to change without notice. Companies, names, and data used in examples herein are fictitious unless otherwise noted. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of comPPage, Inc. All rights reserved. Printed in the United States. Microsoft, MS, Microsoft Windows NT, 98, 2000 and ME are all trademarks of Microsoft Corporation.

NOTIFICATION OF COPYRIGHT

This software package (“software”) is a proprietary product of comPPage, Inc. and is protected by copyright laws and international treaty. You must treat the software like any other copyrighted material, except that you may place the software on a single hard disk, provided that you keep the original software solely for backup or archival purposes. Copyright laws prohibit making additional copies of the software for any other reason.

SOFTWARE LICENSE AGREEMENT

Read this license Agreement before using the enclosed software. This agreement is a legal contract between you, the end user, and comPPage, Inc. governing your use of the Software. Installing the accompanying software package indicates your acceptance of this Agreement. This agreement shall also be binding on any subsequent, authorized licensee. If you do not wish to agree to the terms of this Agreement, promptly return the complete software package, with disk(s) to the distributor from whom you obtained this product. You will receive a full refund provided you return the full Software package, and the disk package is unopened. If you have any questions concerning this Agreement, or need technical assistance contact:

comPPage
Customer Service – 561.969.7124
6801 Lake Worth Road
Suite 308
Lake Worth, Florida 33467

Windows 98, 2000, Nt, XP Pro and ME are trademarks of Microsoft corporation.

LICENSE

1. comPPage, Inc. grants you the right to use the **comPPage PageConnect Server** on a single computer as a server for paging.
2. You may not sub license, rent, or lease the software, but you may permanently transfer your license to use the software and accompanying materials by delivering to another party the original diskettes and materials comprising the software package, including the title page of the reference manual. You must also simultaneously destroy all copies of the software and accompanying materials in your possession. Such transfer terminates your license to use the software. The new recipient of the software and accompanying materials accepts this agreement and is licensed under the terms of this Agreement upon initially using the Software.
3. You may not de-compile, disassemble, reverse engineer, copy, transfer, or otherwise use the software except as stated in this Agreement.

comPPage PageConnect Server Software

The comPPage PageConnect Server Software works in conjunction with the comPPage PageConnect Client software, and Microsoft Explorer™ web browser. In addition, it has connectivity to multiply paging transmitters attached to your local area network. Allowing paging from any computer on a LAN using Client software or your local web browser. PageConnect Server and comPPage Client software are 32-bit applications and will run on Windows™ 98, Windows 2000, Nt and XP Pro using IP addressing for identification. PageConnect Server software performs the paging server function. Prior to installing the PageConnect Client Software, be sure PageConnect Server Software is installed and running.

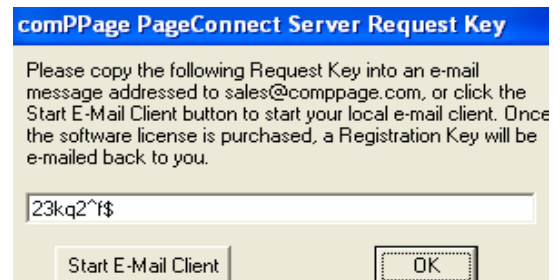
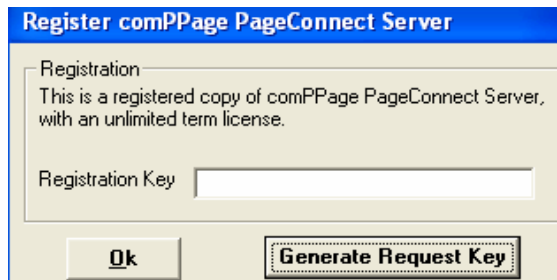
REQUIREMENTS

IBM compatible Operating Systems

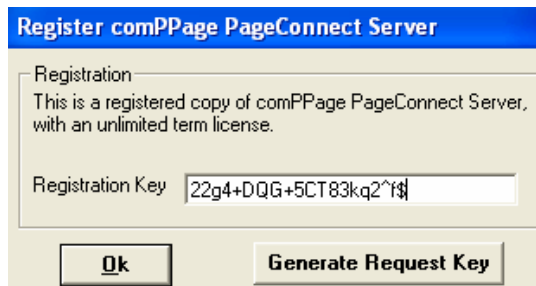
MS-Window™ 98, ME, 2000, NT and XP Pro

INSTALLATION

1. Insert disk into CD-ROM.
2. The CD will auto start.
3. Select Install comPPage PageConnect Server Software
4. **After installation you will be required to register the software for the program to operate correctly. Follow the steps below.**
 - a. Click on the [**Register comPPage PageConnect Server**] The generate request key screen will appear. Click on the [**Generate Request Key**] to receive the code.



- b. Follow the instructions and Email the code to sales@comppage.com.
- c. After receiving the code, comPPage will return the **Registration Key**.
- d. Enter the registration key in the correct field and click the [**OK**] button.



SETUP

On-Site Paging

Scope Protocol

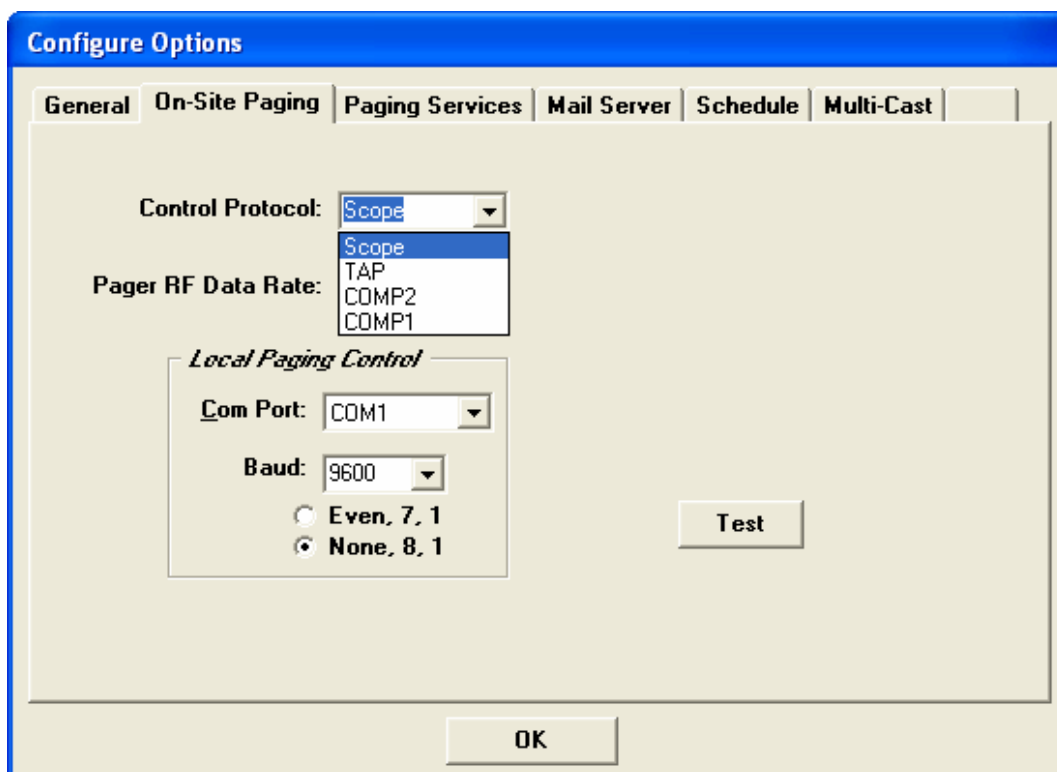
1. Select [**CONFIGURE**], check Global Options – [**Log Transactions**].
2. Select [On-Site Paging].
3. Select [**Scope**] control protocol
4. Select [Pager RF Data Rate].
5. Select [**Communications Port**] and its parameters.
6. Click [OK].

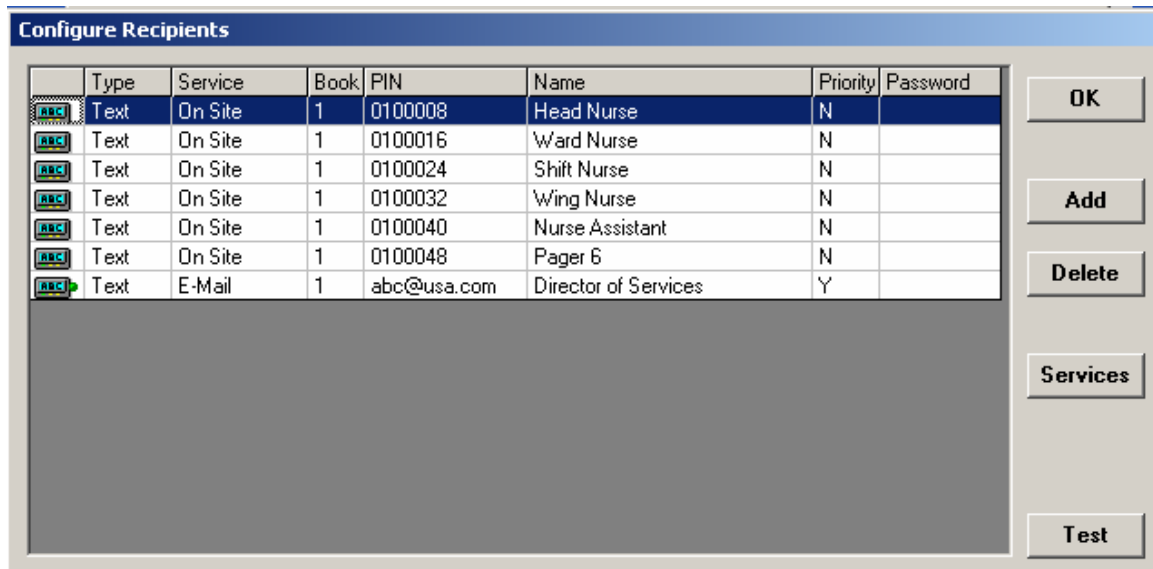
COMP2 – Motorola Protocol

1. Select [**CONFIGURE**], check Global Options – [**Log Transactions**].
2. Select [On-Site Paging].
3. Select [**COMP2**] control protocol
4. Select [Pager RF Data Rate].
5. Select [**Communications Port**] and its parameters.
6. Click [OK].

TAP V1.8 Motorola Protocol

1. Select [**CONFIGURE**], check Global Options – [**Log Transactions**].
2. Select [On-Site Paging].
3. Select [**TAP**] control protocol
4. Select [Pager RF Data Rate].
5. Select [**Communications Port**] and its parameters.
6. Click [OK].





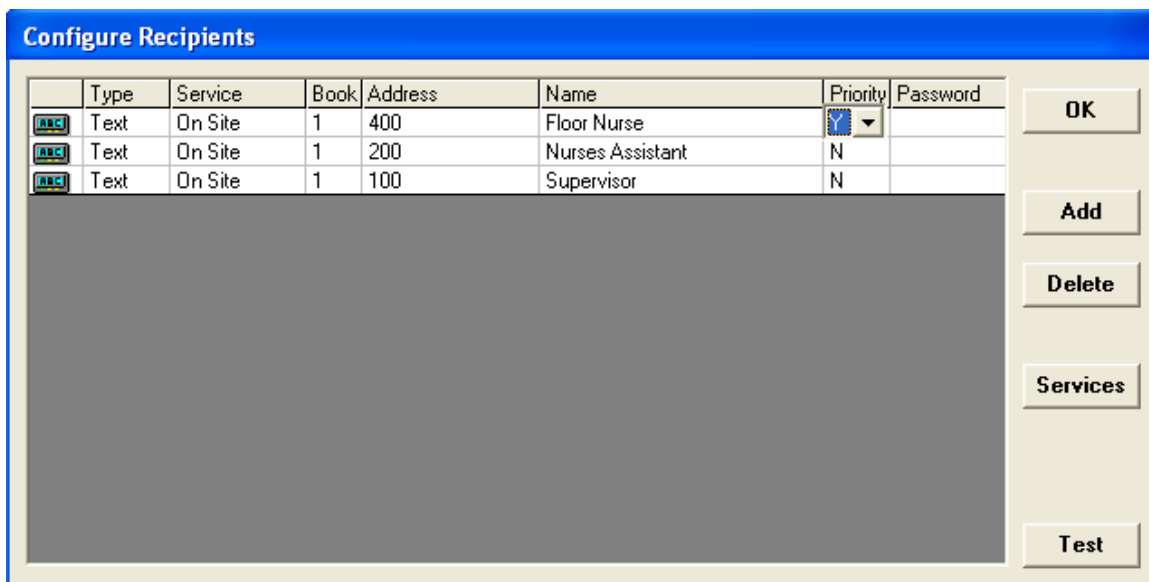
Recipients - Setup

Scope Protocol

1. Select recipient from the menu on the main screen.
2. Select [Add].
3. Select [Text, Numeric or Tone]. This selection will depend on the type of pagers.
4. Select [On-Site] service.
5. Select [Book], this is a selection for the Address Book that will be used by comPPage PageConnect Client Software.
6. Enter the SEVEN (7) digit cap code for the pager.
7. After the cap code, enter the desired beep type A, B, or C. If no beep type is entered the system will automatically add beep type D. ie... 0100008B. Logical Pager #1.
8. Enter the [Name] of the pager. Should be the function of the pager or name of the person assigned this pager.
9. Enter the Y or N for Priority. If Y for Yes then when more than one pager is selected, the pager with Y will be transmitted first.
10. If Password protection is desired, enter a Numeric or Alphanumeric 1 to 5 characters. When the pager selected that has password protection the user will be required to enter the password before the page is transmitted.
11. Select a pager by clicking on the pager Icon at the far left, Click on the bottom button on far right labeled TEST. This will send a test page, confirming the system is installed correctly.

Sort Pager Listing

The user has the ability to sort pager information in ascending or descending order, on any field. Once the pager information has been entered the user simply left mouse button clicks on the name of the field they wish to sort. If the **PIN field** is selected, the pagers will be sorted in numeric order. If the **name field** is selected and a staff members name has been entered, the names will be placed in alphabetic order. Once the sort is complete, it will be saved. The Client can sort the pagers information on the individual station again. However, the sort on the client station will not be saved.







Motorola COMP2 Protocol

1. Select recipient from the menu on the main screen.
2. Select [**Add**].
3. Select [**Text, Numeric or Tone**]. This selection will depend on the type of pagers.
4. Select [**On-Site**] service.
5. Select [**Book**], this is a selection that will be used by comPPage Enterprise Client Software.
6. Enter the **THREE (3)** digits of the Logical Pager number. Ie... 400 Logical Pager #400.
7. Enter the [**Name**] of the pager. Should be the function of the pager or name of the person assigned this pager.
8. Select a pager by clicking on the pager Icon at the far left, Click on the bottom button on far right labeled TEST. This will send a test page, confirming the system is installed correctly.

Motorola TAP V1.8 Protocol

1. Select recipient from the menu on the main screen.
2. Select [**Add**].
3. Select [**Text, Numeric or Tone**]. This selection will depend on the type of pagers.
4. Select [**On-Site**] service.
5. Select [**Book**], this is a selection that will be used by comPPage Enterprise Client software.
6. Enter the **THREE (3)** digits of the Logical Pager number. Ie... 400 Logical Pager #400.
7. Enter the [**Name**] of the pager. Should be the function of the pager or name of the person assigned this pager.
8. Select a pager by clicking on the pager Icon at the far left, Click on the bottom button on far right labeled TEST. This will send a test page, confirming the system is installed correctly.

Configure Recipients							
	Type	Service	Book	Address	Name	Priority	Password
	Text	On Site	1	400	Floor Nurse	Y	
	Text	On Site	1	200	Nurses Assistant	N	
	Text	On Site	1	100	Supervisor	N	
	E-Mail	E-Mail	1	john@what.com	Maintenance	N	

E-MAIL PAGING

1. Select recipient from the menu on the main screen.
2. Select [**Add**].
3. Select [**EMAIL**].
4. EMAIL will appear in the box under service.
5. Select [**Book**], this is a selection that will be used by comPPage PageConnect Client software.
6. Enter an email address. Ie.. abc@usa.com
7. Enter the [**Name**] of the pager. Should be the function of the pager or name of the person assigned this pager.
8. Select a pager by clicking on the pager Icon at the far left, Click on the bottom button on far right labeled TEST. This will send a test page, confirming the system is installed correctly.

Mail Server Configuration

1. Select Configure, Mail Server.
2. Enter required information.
3. Select OK.

Configure Options

General | On-Site Paging | Paging Services | **Mail Server** | Schedule | Multi-Cast

SMTP Host: mail.usa.net

From Name: comPPage, Inc.

From Address: wlc@comppage.com

Subject: comPPage PageConnect Server

Msg in Subject Line Priority Status

Authentication: Leave blank if not required

User ID: Password:

Test Mail Server Idle

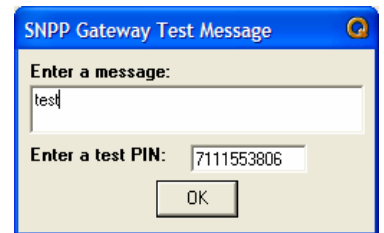
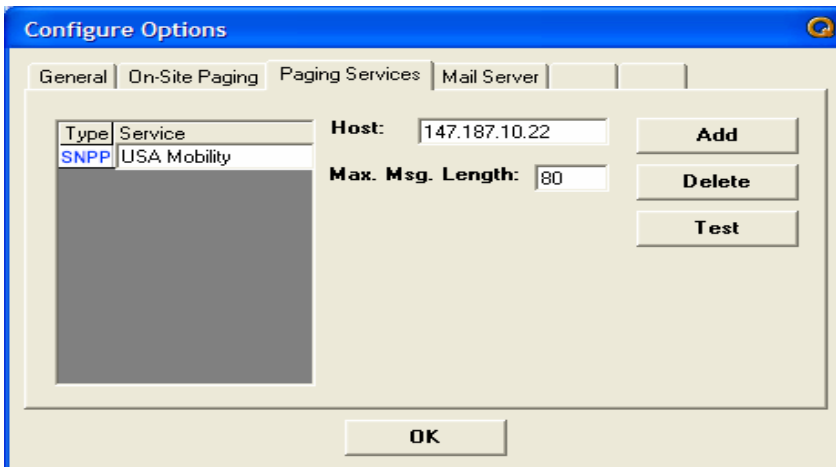
OK

Off-Site Paging

This function of the software requires an active internet connection. Your paging provider must support internet paging.

SETUP

1. Select [CONFIGURE], select [Paging Service].
2. Select [Add], SNPP will appear in the field {type}.
3. In the [Service] field enter what the connection will be called.
4. In the [Host] field, enter the host value of the provider.
Ie.USA Mobility 147.187.10.22
5. In the Msg. Length field enter [80].
6. Repeat steps 2-5 for each off-site paging service.
7. Test SNPP host with proper PIN value.
8. Select [OK].



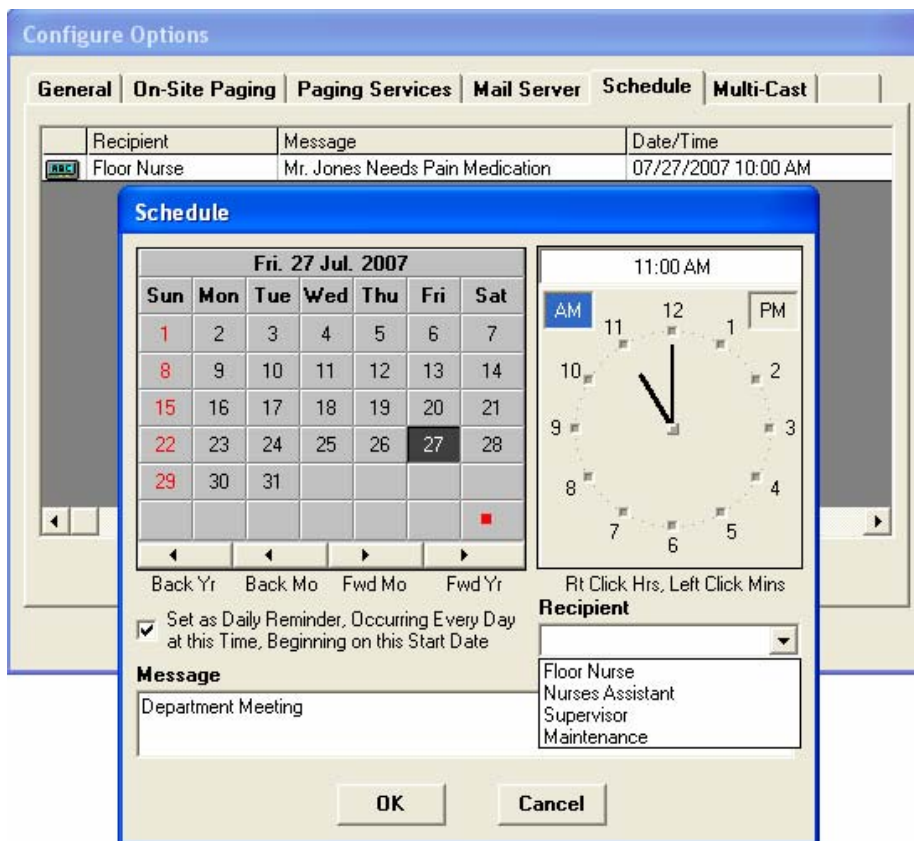
9. Assign the wide area service to one or more recipients, then Test. You may need 10 digit address values for the wide area service.



Schedule

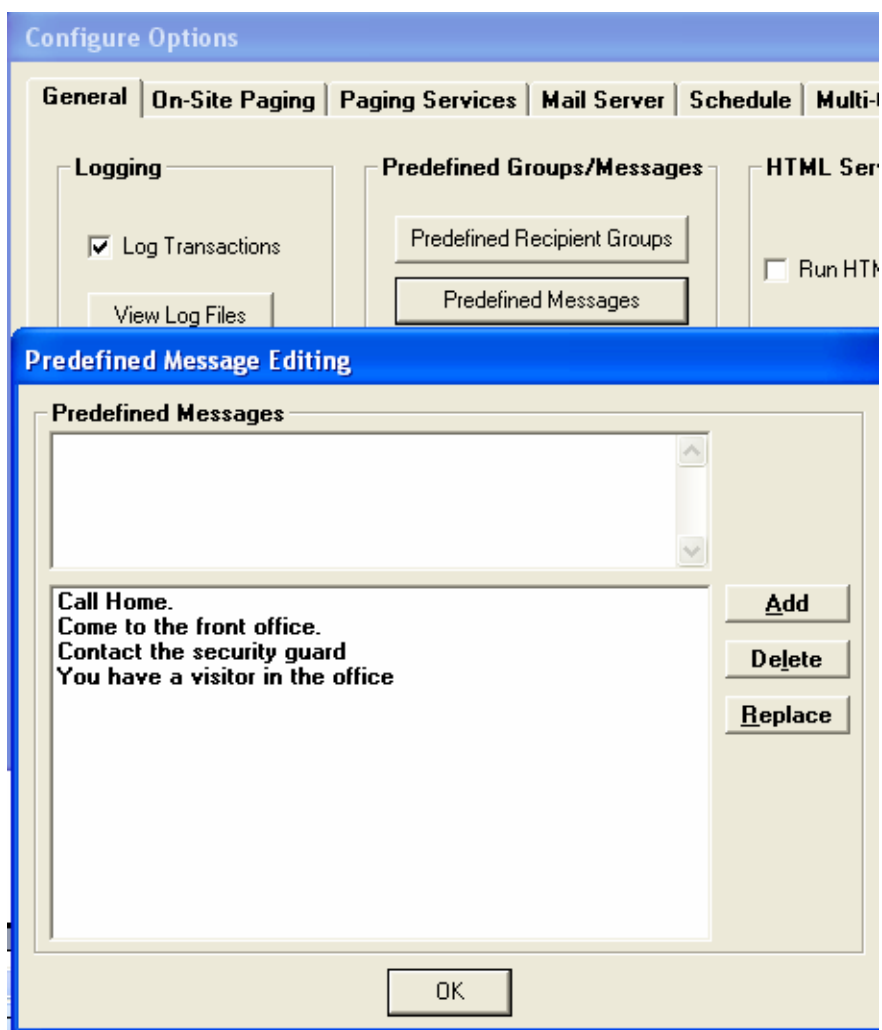
Scheduling future pages from the server must be completed by the network administrator. Adding or deleting a schedule from the server can not be performed from a workstation client.

1. Select **Configure** from the main screen.
2. Click on the **Schedule tab**.
3. Click on **Add**.
4. In the message window, enter the message to be sent.
5. Select the Recipient or Group from the drop down recipient list.
6. Set the date by clicking on the calendar and set the time the page will be sent by moving the hand of the clock.
 - a. Hour – click and hold right mouse button.
 - b. Minutes – Click and hold left mouse button.
7. Click **OK**.



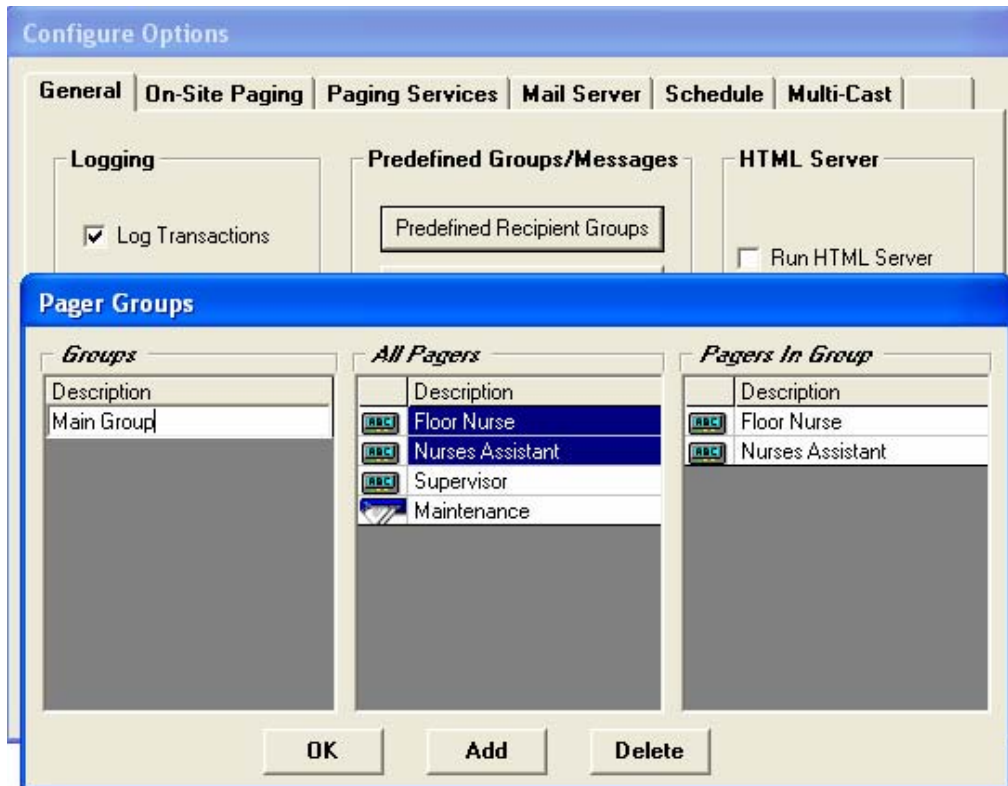
Configure Predefined Custom Messages

1. Select [**CONFIGURE**], [**PREDEFINED MESSAGES**].
2. Select [**ADD**].
3. Enter predefined message in top window.
4. Select [**ADD**], stores message in bottom window.
5. Continue 1-4 until all messages have been added.
6. Select [**OK**].



Configure Predefined Recipients Groups

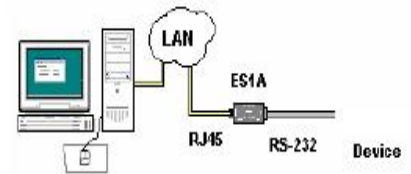
1. Select [CONFIGURE], [PREDEFINED RECIPIENTS GROUPS].
2. Select [ADD].
3. Enter Name of Group in Description column.
4. Select Pager name you want in the group from the second column..
5. When completed select [OK].



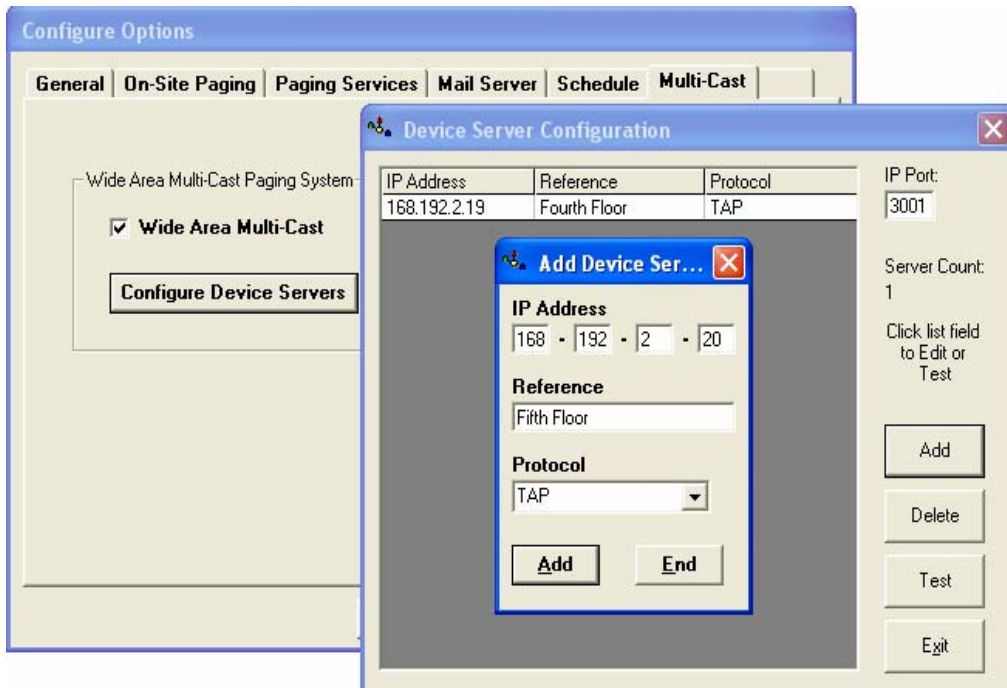
Multi-Cast

The Multi-Cast feature of the comPPage PageConnect Server software will allow the user to send pages to not only the transmitter attached to the serial port of the server, but other unit(s) attached to the Local Area Network. This is **not a simul-cast**. The data will be sent **sequentially** to each **IP address**. You will need a **Ethernet to Serial adapter** for connecting the paging transmitter to the network.

1. Select **Configure**, click on the **Multi-Cast** tab.
2. Select Wide Area Multi-Cast by clicking the box.
3. Click on **Configure Device Servers**.
4. Click on **Add**.
5. Enter All required information. **IP Address, and Port**.
6. Enter Reference (optional), Select Protocol.
7. Click **End**.
8. Repeat step 4-7 for additional units.

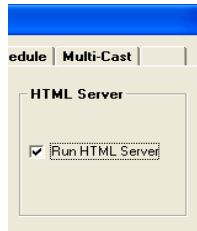


Direct Configuration Connection



HTML Paging

When the feature **HTML Server** is activated the user can create a page from any computer on the network. Simply open the Web Browser and enter the **IP address** of the computer that the comPPage PageConnect Server software is running. The IP address can be found on the Server software at the Top Left of the server main screen. When the paging page appears the user will be requested to enter a **USER NAME** and **PASSWORD**, this is an option that is set by your network administrator. The password and user id is set in the **Server Configuration file**. The network administrator can edit this file. Once the user ID and password has been entered, all **Pagers, Paging Groups** and **Pre-Set messages** will be displayed.



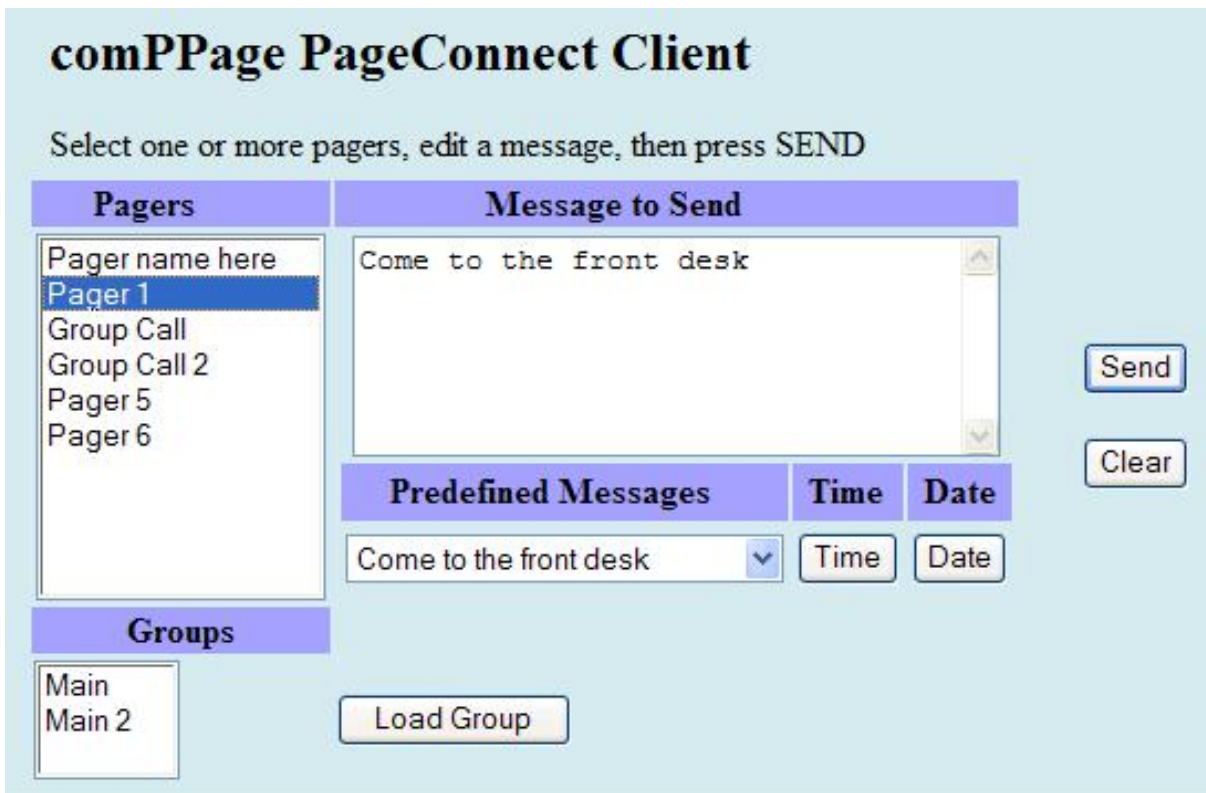
Browser Address Bar



Password Screen



Network Client HTML Browser Screen



View Log

1. Select [CONFIGURE].
2. Select [VIEW LOG FILE].
3. Each 24 hour period a new log file is automatically started. Select the Log you wish to view or print. Select Open.

TECHNICAL INFORMATION

Scope Protocol

Numeric Pagers

Example serial message string transmitted from the host to the transceiver:-

N0012300A1234567890<CR>

Alphanumeric Pagers

Example serial message string: A0012300A This is a message <CR>

Comp 2 or People Finder Protocol

Example Numeric serial message string transmitted from the host to the transceiver

1234A<CR>1234567890U[-] <CR>

Example Alphanumeric serial message string:-

1234A<CR> This is a message <CR>

Motorola TAP V1.8 Protocol

CALLER

RECEIVING STATION

<CR> every 1 second unit.....

ID=

<ESC>PG1<CR>

<ESC>[p<CR>

<STX>1<CR>TEST<CR><ETX>190<CR>

("TEST" is the message)

Processing-Please Wait<CR><ACK><CR>

("190" is the Checksum)

+++,,,,,,,,,ATHO<CR>

Carrier Drop

Example Checksum:

The following table shows an example of a complete block containing a correct checksum which is : <STX>123<CR>ABC<CR><ETX>17;<CR>

You can use comPPage PageConnect Server as a paging message delivery system for other software applications. comPPage PageConnect Server software monitors for the existence of a file called xxxxx.dat. comPPage PageConnect Server normally monitors for xxxxx.dat in the c:\program files\comPPage PageConnect Server\Input subdirectory.

To communicate to comPPage PageConnect Server, another application would create a file ending in .DAT as a text file. Write one or more records, then close the file.

The xxxxx.dat record format is:

DESCRIPTION,MESSAGE

Where DESCRIPTION is an ASCII string that matches either a pager or group description record in the comPPage PageConnect Server recipients data file.

If the pager is named Bill Jones in the recipients file, enter a line, such as:

Bill Jones,test message to bill's pager

The DESCRIPTION field is not case sensitive. YOU can use upper or lower case characters. The DESCRIPTION field can cause messaging to either individual pagers or entire groups of pagers. To communicate to a group of pagers, simply define a pager group in the RECIPIENTS file then enter the pager group description in the DESCRIPTION field of the xxxxx.dat.