
Section 4

Operation

This section covers information on how to operate the 9500 Receiver.

4.1 Touchpad Function Buttons

The front panel of the 9500 is made up of; a touchpad, containing numbers, arrows and buttons; a LCD display; and an array of LED indicators. (See Figure 4-1.)

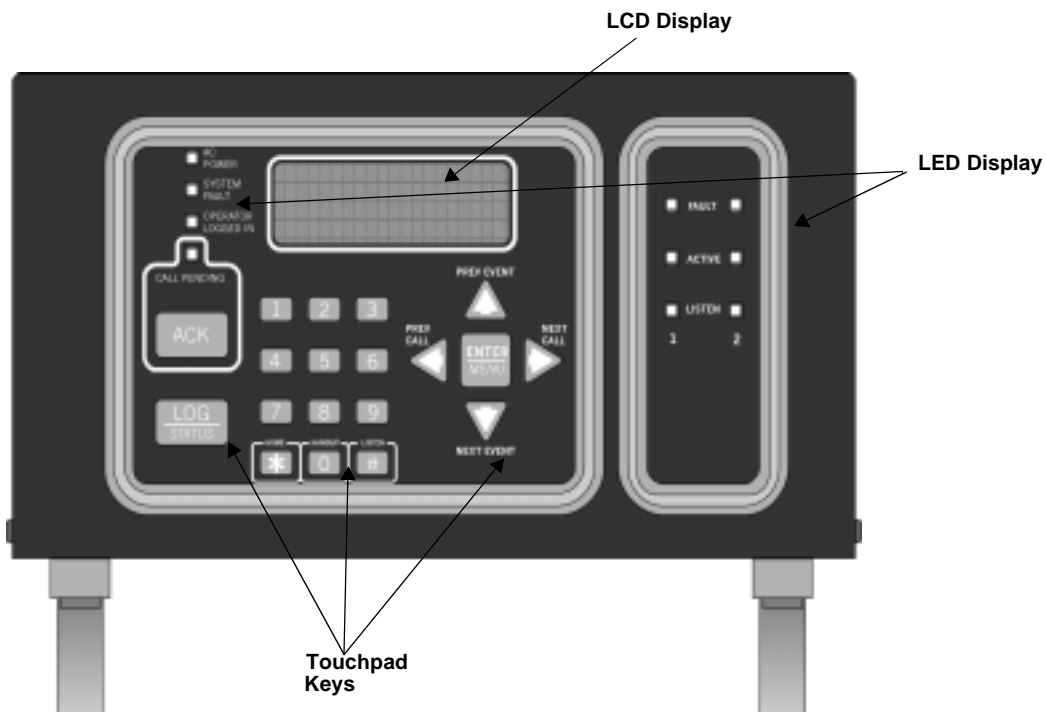













Figure 4-1 Model 9500 Front Panel

The touchpad on the 9500 Receiver is used in all operating modes (normal and programming mode).

Table 4-1 displays each individual touchpad key and describes its function in each operating mode.

Table 4-1: Touchpad Buttons Description

Key	Name	Operating Modes	
		Normal	Programming
	Up Arrow	Display previous event.	Go back to previous choice or character.
	Down Arrow	Display next event.	Move to next choice or character.
	Left Arrow	Display previous call.	Exit the current menu. Move to previous programming field.
	Right Arrow	Display next call.	Select menu item indicated by equal sign (see Figure 4-5). Move to next programming field.
	Enter/Menu Button	Bring up Main Menu.	Select menu item indicated by equal sign (see Figure 4-5). Enter chosen parameter.
	Acknowledge Button	Manually Acknowledge a call or event. (Used only if receiver is in manual mode.)	Used in log mode to acknowledge and silence system troubles.
	Log Button	Pressed to log on or off the system. Pressed to view system status messages.	N/A
	Digit Keys	Used to enter numeric inputs.	Numeric input, option selection.
	Star or Home Key	Will return display to the oldest unacknowledged event.	Enters a * Character when programming in an "Edit" field. See Table 5-1 for <i>Types of Programming Fields</i> , descriptions.
	0 or Hangup key	In manual mode the 0/hangup key is used to hangup line card when the listen feature was activated, or to end a runaway call from a panel.	Used to enter numeric inputs.
	Pound Key or Listen Key	In manual mode this key is used to initiate the listen in feature.	Enters a # Character when programming in an "Edit" field. See Table 5-1 for <i>Types of Programming Fields</i> , descriptions.

4.2 Displays

This section describes the two types of displays that the 9500 receiver uses.

4.2.1 LED Displays

Table 4-2: LED Description

LED		Meaning		
		On	Off	Flashing
Touchpad LEDs	AC Power	AC power is on.	No AC or DC power to the Receiver	No AC power and the system is operating on the backup battery.
	System Fault	A fault condition exists that has been acknowledged but not cleared.	The system is operating normally.	A fault condition exists that has not been acknowledged.
	Operator Logged In	An operator is logged on.	No operator is logged on.	
	Call Pending	The acknowledge key was pressed at least once, but not all the events in a call were acknowledged.	No calls pending or all calls have been acknowledged.	Calls pending.
Line Card LEDs	Fault (Red)	N/A	The line card is operating normally.	Trouble or fault condition exists.
	Active (Green)	The line card is in active communication.	No Activity.	Indicates the line is ringing.
	Listen (Amber)	Comes on when operator acknowledges the listen-in call.	No listen-in occurring.	N/A

4.2.2 LCD Status Display

The status display is a 4-line 20 character (each line) back-lit LCD that shows the various alarm and function messages. It functions in all modes of operation (normal and programming mode). As the 9500 acknowledges calls and messages, it updates the calls on the LCD and silences the alert tone.



Figure 4-2 LCD Display

4.2.2.1 Adjusting LCD Contrast

The LCD is factory set at the highest contrast level and for most installations will not need to be adjusted. Use these steps to change the LCD contrast if the brightness of the room or the location in which the receiver is located should require a contrast change:

1. Press and hold both the up arrow and the left arrow keys at the same time. (See Figure 4-3.)



Figure 4-3 Contrast Adjustment

2. Release the up and left arrow keys when you reach the desired contrast level.

4.2.2.2 LCD Abbreviations

Many of the words used on the LCD are abbreviated to accommodate 20 characters per line. Table 4-3 compares the event that is reported to how it is output to the LCD and printer.

Table 4-3: LCD and Printer Abbreviations

Event	LCD	Printer
Alarm	Alrm	Alarm
Trouble	Trbl	Trouble
Restore	Rstr	Restore
Supervisory	Sprv	Superv
Opening	Open	Opening
Closing	Clos	Close
Remote	Rmot	Remote
Disable	Dsbl	Disable
Bypass	Byps	Bypass
Unbypass	Ubyp	Unbypass
Test	Test	Test
Listen-in	Lstn	Listen
System	Sytm	System
Access	Accs	Access
Report	Rprt	Report
Cancel	Cncl	Cancel
Zone Number	Z#	Zone
Door Number	D#	Door
User Number	Us#	User
Area Number	A#	Area

4.3 Initial System Power Up

Apply power to the 9500 by plugging in the AC power cable and then turning the main power switch “on” (see Figure 3-2 and Figure 3-3). When the 9500 powers up, the display will go through the routine shown in Figure 4-4.

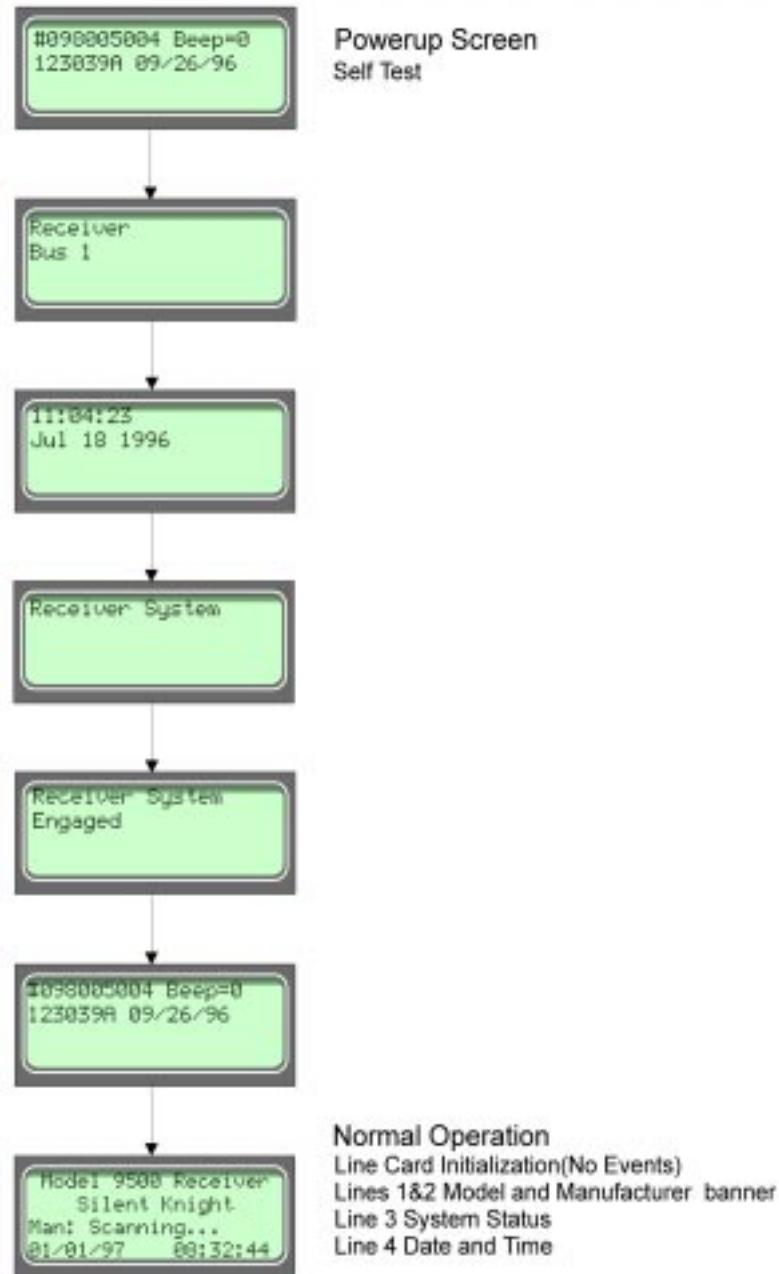


Figure 4-4 Power-up Routine

The system defaults in the manual operation. To select automatic operation see Section 5.3.1.1.

Note: Any time the main power switch is turned off the time and date will have to be reprogrammed on power-up.

4.4 Log On / Log Off

Persons operating the 9500 must log on and off the system. This is a way of keeping track of whom is operating the system at any given time. You can program a total of 40 codes. Each code will be assigned to one of two user profiles (Installer profile or Operator profile). (See Section 4.4.3 for default user codes.)

4.4.1 Installer Profile

The Installer profile will have access to all options on the main menu (see Table 4-4 for “Main Menu” options).

4.4.2 Operator Profile

The Operator profile has access to fewer main menu options than the Installer profile (see Table 4-4). These options allow the operator to perform basic operation of the 9500. Both profiles can acknowledge all calls and events.

Table 4-4: Main Menu Option Items by Profile

Installer Profile	Operator Profile	Menu Options
4	4	Call History
4	4	System History
4	4	System Info
4	4	Set Time & Date
4	4	System Restart
4		Printer Menu
4		Program Menu
4		Diagnostics

Note: See Section 4.6 for detailed information on the main menu options.

You must have at least one Installer Profile Code programmed in the system at all times.

4.4.3 Default User Codes

At initial power up, the system provides two default user codes. User code 1 defaults with an Installer profile and user code 2 defaults with an Operator profile. Table 4-5 shows the default codes and their profiles.

Table 4-5: Default User Codes

User Number	Default Code (PIN)	Default Profile
*1	9500	Installer
2	1111	Operator

** Note: User code 1 can be changed but not deleted. User code 1's profile will always remain as "installer".*

4.4.4 How to log on the system.

Follows these steps to properly log on to the system:

1. Press the  button.

The LCD will display Enter Log In Code:

[]

2. Enter your PIN code. (See Table 4-5 for default codes.)

Note: This screen will time out after 15 seconds.

3. Press the  button.

If the correct PIN is entered the LCD will display Installer # XX
User Name.

The "Operator Logged In" LED will also turn on.

If an invalid code is entered the LCD will display Access code not verified.

Note: If the previous user has not logged off, a new user can still log on by entering a PIN code. This will automatically log off the previous user and log in the new user.

4.4.5 How to log off the system.

Follows these steps to properly log off the system:

1. Press the  button.

The LCD will display #nn User Name
 Log Out
 []

Note: This screen will time out after 15 seconds.

2. Enter your PIN code. (See Table 4-5 for default codes.)

3. Press the  button.

If the correct PIN is entered the LCD will display User Name Logged out . The “Operator Logged In” LED will also turn off.

If an invalid code is entered the LCD will display Access code not verified.

4.5 Modes of Operation

This section describes the different modes of operation for the 9500 Receiver (normal mode and programming mode) and the options available in them.

4.5.1 Normal Mode


Normal mode consists of three options, one if the receiver is intended to be used with a automation system, one for manual operation, and one to just log the events without manual acknowledgments or automation communication.

4.5.1.1 Manual Operation

Requires a manual acknowledgment of each call or event from an operator.

How to Manually Acknowledge Calls:

When a the call pending LED is flashing and the on-board annunciator is beeping:

1. Press the  button to acknowledge the call.
2. Repeat step 1 until all calls are acknowledged and the display shows No More Data.

4.5.1.2 Automatic Operation

Event information is sent directly to the automation computer.

Note: If the automation system fails, the receiver will automatically switch to manual mode in less than 30 seconds. The switching time is twice the value set in Ack Timeout (See Table 5-5). The receiver will return to automatic mode after communication to the automation computer is restored.

4.5.1.3 Log Only

Log only mode will log event data without manual acknowledgments or communications with the automation computer. All event information is intended for printer output.

Note: On initial power-up the receiver will default in manual operation. The receiver can be set to automatic or log only operation in program mode (see Section 5.3.1).

4.5.2 Program Mode

In program mode all general, line card, and user profile options can be changed. See Section 5 *Programming* for more detailed information on programming the receiver or refer to the Quick Chart (, Table A-1) for programming overview.

4.6 Main Menu

This section gives detailed information about the items available in the Installer/operator menu options, which this manual will refer to as the main menu. The menu items available to each logged on user is dependent on the profile assigned to that user (see Table 4-4 for menu items for each profile). The user profile is assigned to each user through programming (see Section 5.5 for programming user profiles).

4.6.1 How to display the Main Menu

Once a user has logged on to the system (see Section 4.4.4), follow these steps to view the main menu options:

1. Press the  button.

The LCD display will show the main menu options.

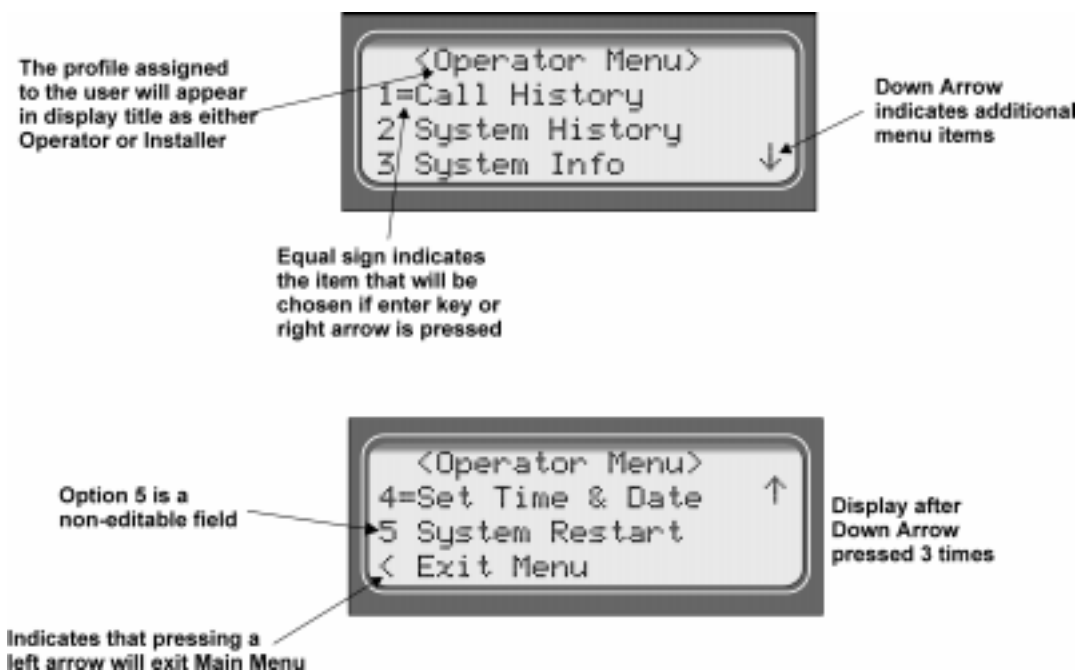


Figure 4-5 Main Menu Display

Note: The main menu display will remain visible for 15 minutes of idle time after which it will revert back to the manual or automatic display window. See Figure 4-2.

2. Choose the desired menu item. (See Figure 4-6.)

4.6.2 How to Maneuver Through Main Menu

Figure 4-6 indicates what keys on the touchpad are used to maneuver through the Main Menu.

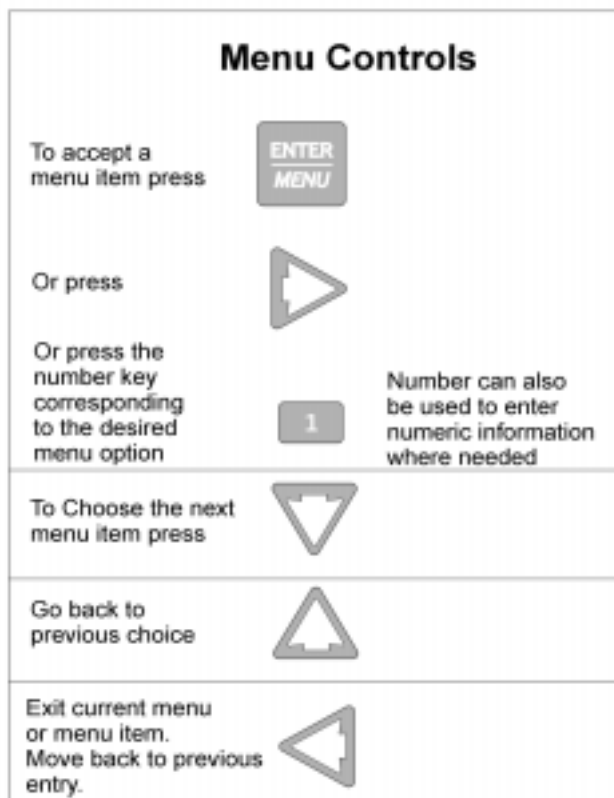


Figure 4-6 Main Menu Controls

4.6.3 Call History

Call history displays the calls that are in the history buffer.

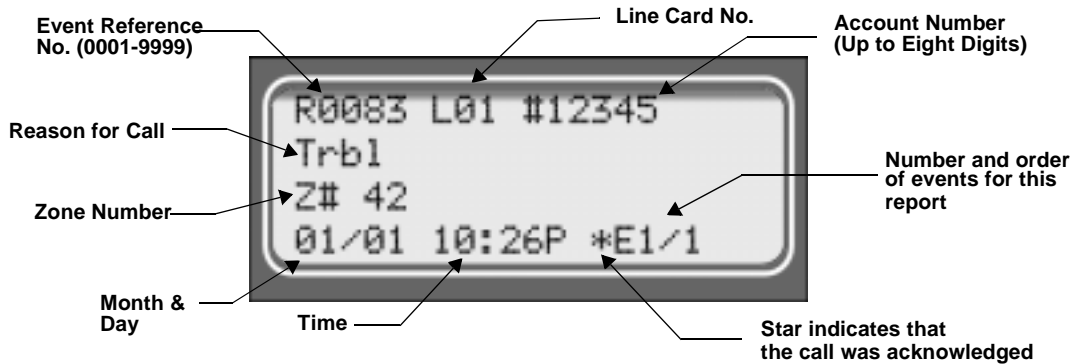




Figure 4-7 View of a Call History Screen

Note: The Letter preceding the linecard number may appear as a "G" if the linecard the call came in on is programmed for a hunt group. See "Misc. Line Opt." in Section 5.4.2.6.

To display a specific event enter the reference number then press the . Press the  to go to most recent call. See Table 4-3 for display abbreviations.

4.6.4 System History

System history displays any events that are stored in the history buffer. System events are any events related to the receiver operation such as line card faults, low backup battery, AC power loss, log in, log out, system program change, communication failure to a printer or automation system, etc.

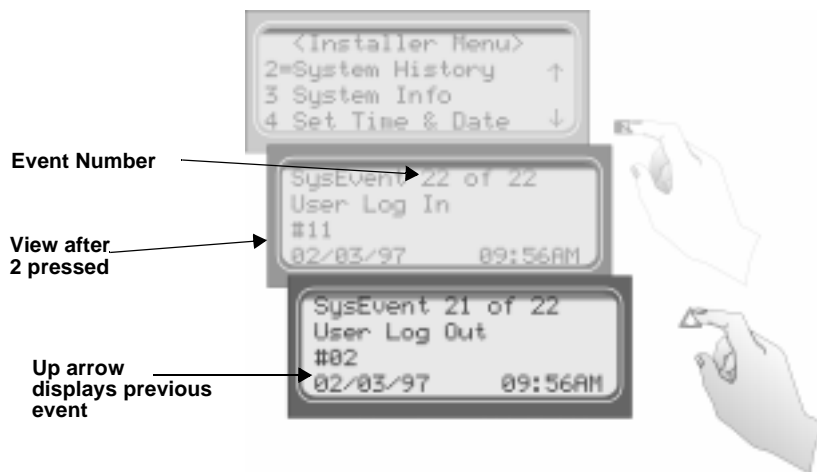




Figure 4-8 System History Display Sequence

Note: Up arrow moves back to the previous event that occurred.

To display a specific event enter the event number (see Figure 4-8) then press the . Press the  to go to most recent call.

4.6.5 System Info

System Info is a non-editable screen that displays the model number, the software revision, software date code, receiver ID number. If a down arrow is pressed, the display will show the line card firmware information, which includes the model number, the software revision, the software date code, and letter revision.

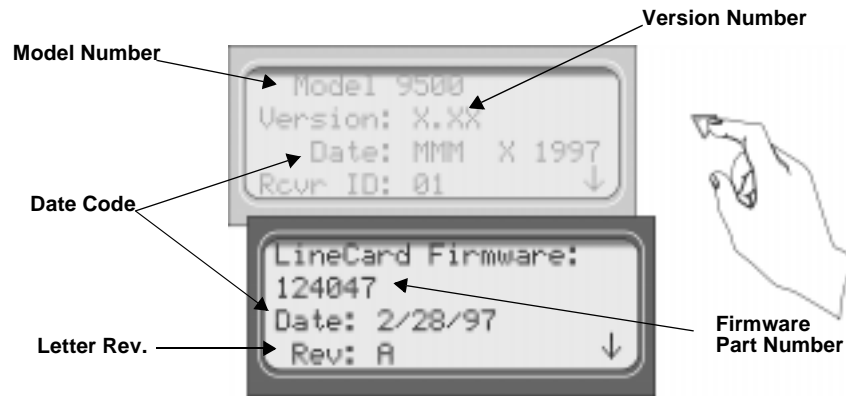


Figure 4-9 System Information Display

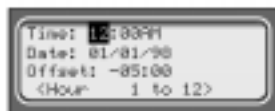
4.6.6 Set Time & Date

If Set Time & Date, is selected the operator can change the time and date currently displayed on the receiver. (See Figure 4-10 for setting time and date procedure.)

Set Time and Date

1. Press the Menu button.
2. Press the 4 button to

3. Set the Hour (1 to 12). The field to be changed flashes.



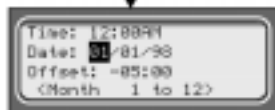
4. Set the Minutes. The field to be changed flashes.



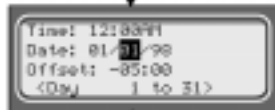
5. Set time to AM or PM. The field to be



6. Set the Month. The field to be changed flashes.



7. Set the Day. The field to be changed flashes.



8. Set the Year (0 to 99). The field to be



9. Set Greenwich mean time offset (+ or -). The field to be



10. Set the number of hour offset from Greenwich mean time.



11. Set the number of minutes (in 10 minute increments) offset from Greenwich mean time.



12. Press Enter button at the correct time to synchronize with.

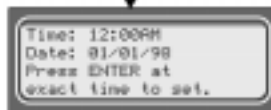


Figure 4-10 Setting Time and Date Program Sequence

4.6.7 System Restart

System restart allows the operator or installer to restart the receiver. An installer has the option to set the receiver back to factory default settings, while an operator can only restart the receiver.

Note: The time and date set in the receiver will be saved. However, all of the call history will be lost




Figure 4-11 System Restart Display

Follow These Steps to restart the receiver:

Note: All messages must be acknowledged before a system restart procedure can be performed. If all messages are not acknowledged, cycle the receiver's power to restart the system. If the power is cycled all unacknowledged messages will be lost.


1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for System Restart.

The display reads Do you wish to
shutdown & restart
system?No

4. Press the  or  button to toggle No to Yes.

5. Press . Users with an operator profile are done at this point.

The display reads Do you wish to set
to factory default
settings?No

Note: This display will only appear if the logged on User has an Installer Profile (see section 4.4.1).

6. Press the  or  button to toggle between No and Yes.

Note: If you choose Yes all linecard and user custom programming will be lost.

4.6.8 Printer Menu

In the print menu you can print customized reports by the type of alarm (as defined by UL 864, Section 72.15F), edit the desired print output, configure output for your printer.



Figure 4-12 Print Menu Items

Table 4-6: Printer Menu Choices

Printer Menu	Choice 1	Choice 2	Comments	
Print Report	Call History	Priority 1 (Life safety signals-Fire, Duress)	Y Indicates that this item will print on this report.	
		Priority 2 (Property safety signals-Burg.)	N Indicates that this item will not print on this report.	
		Priority 3 (Supervisory signals)	The call History print will execute once you exit from “Choice 2”. Note: Choice 2 settings are not retained in flash memory and have to be chosen for each call history printing.	
		Priority 4 (Trouble signals)		
		Priority 5 (All other signals)		
	System History		This option prints all the system events in the event history buffer.	
	System Config	Print All		Print all of the receiver and line card data.
		Program Data		Print just the systems programmed data.
Line Card #			Print line card configurations per line card.	
Test Page			Print a test page.	
Edit Evnt Format	Date	Y or N	Y Indicates that this item will print on a report. N Indicates that this item will not print on a report.	
	Format Type	Y or N		
	Ref Number	Y or N	Default setting is Y for all edit event format options. These settings are saved to flash memory.	
	Call Sep	Y or N		
	Device Num	Y or N		
Config Printer	Line Terminator	CR or CRLF	CR = Carriage return. CRLF = Carriage return and Line feed.	
	Offline Time	0 - 60 seconds	Offline time is how long the receiver will wait before giving a trouble indication after communication is lost with the printer. The default setting is 2 seconds. (30 second maximum for UL applications.)	
	Switch Delay Time	0 - 60 seconds	Switch delay time is the duration the receiver will wait before switching to the backup printer after communication is lost with the primary printer. The default setting is 20 seconds.	

4.6.8.1 Print Report

Through the print report option you can choose to print the call history, system history, system configuration information, or just print a test page.




Figure 4-13 Print Report Menu Items

How to Print Call History

Follow these steps to print the call history:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for print report menu. (See Figure 4-13.)

5. Press  for call history options.

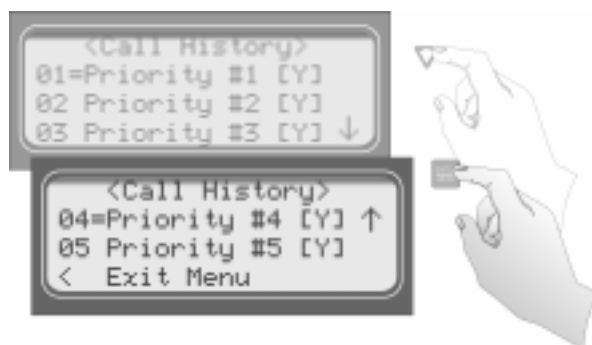








Figure 4-14 Call History Options


6. Press the  or  button to move through the call history menu choices. See Figure 4-14.
7. When the equal sign highlights the call history items you desire to print for this report
press  or  to toggle the setting between Y (yes print) or N (don't print).
8. Press  to exit menu.

How to Print System History


Follow these steps to print the system history:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for print report menu. (See Figure 4-13.)


5. Press  to print the system history.


6. Press  to exit menu.

How to Print System Configuration


Follow these steps to print the system configuration:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for print report menu. (See Figure 4-13.)

5. Press  to view system configuration options. See Figure 4-15.

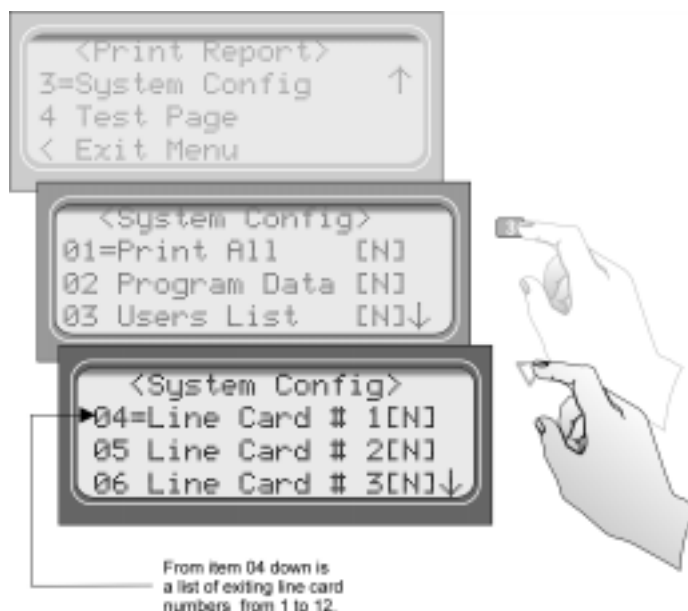







Figure 4-15 System Configuration Print Items

6. Press the  or  button to move through the system configuration print choices.

7. When the equal sign highlights an option press  or  to toggle the setting between Y (yes print) or N (don't print).


8. Press  to print the data and exit menu.


Note: These choices are not saved to flash memory and will have to be chosen each time that print system configuration is entered.

How to Print a Test Page

Follow these steps to print a test page:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for print report menu. (See Figure 4-13.)

5. Press  to print a test page.


6. Press  to exit menu.


4.6.8.2 Edit Event Format


Edit event format allows you to configure what information will print on reports to the receiver.

Follow these steps to configure the report format:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).

2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for event format menu items. (See Figure 4-16.)

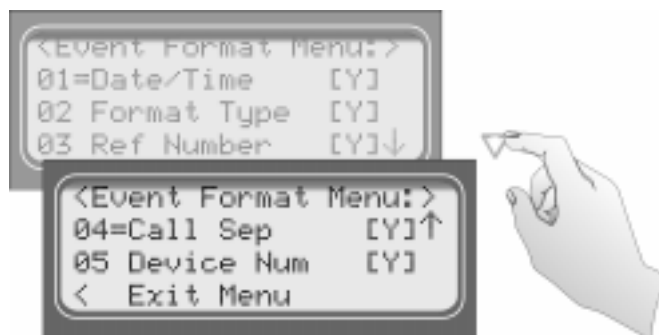


Figure 4-16 Event Format Menu Items





5. Press the  or  button to move through the event format choices. (See Table 4-6 for choice definitions)

Table 4-7: Event Format Choices and Meaning

Event Format Options	Choices	Meaning
Date/Time	Y (Yes)	Y = date and time will print for each report message to the printer.
	N (No)	N = Date and time will not print for each report message to the printer.
Format Type	Y (Yes)	Y = The reporting format type of the calling control panel will print for each report message to the printer.
	N (No)	N = The reporting format type of the calling control panel will not print for each report message to the printer. Note: The Format Type will be listed as a number, which represents the format used for that communication. See
Reference Number	Y (Yes)	Y = The reference number will print for each report message to the printer.
	N (No)	N = the reference number will not print for each report message to the printer. (See Figure 4-7)
Call Separator	Y (Yes)	Y = Print a dashed-line between each message report to the printer.
	N (No)	N = Do not print a dashed-line between each message report to the printer.
Device Number	Y (Yes)	Y = Print the device number of the reporting message to the printer.
	N (No)	N = Do not print the device number of the reporting message to the printer.

6. When the equal sign highlights each option press  or  to toggle the setting between Y (yes print) or N (don't print).

Note: These settings are saved to flash memory.


7. Press  to exit menu.


4.6.8.3 Configure Printer

Depending on the printer you are using it may require that this be set to either carriage return or carriage return with a line feed.

Follow these steps to configure the printer:

1. Log on to the receiver (see Section 4.4.4 for log on procedure).


2. Press the  button to view the main menu items.

3. Press  for the printer menu. (See Figure 4-12.)

4. Press  for configure printer menu items.

The display will be flashing on the line terminator field.

5. Press the  or  button to toggle between CR or CRLF. (See Table 4-6.)

6. When the desired setting is flashing press .

The display will now flash on the offline time field.

7. Enter the desired time (from 01-99 seconds), 30 second maximum in UL applications.

8. Press .

The display will now flash on the switch delay time field.

9. Enter the desired time (from 01-99 seconds).

10. Press .

11. Press  to exit menu.

4.6.9 Program Menu

If program is selected from the main menu the system will enter into “Program Mode”. (See Section 4.5 for information on modes of operation.) In program mode you can program all the general options, line card options, and user list. (See Appendix A, Table A-1 for programming *Quick Chart*.)

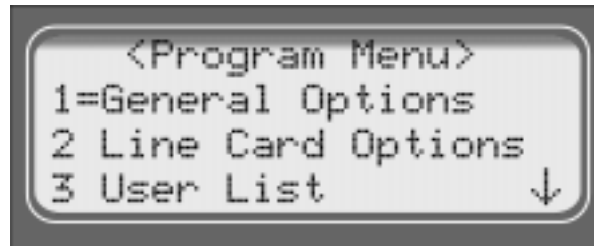


Figure 4-17 Program Menu Items

4.6.10 Diagnostics Menu

The diagnostics menu items can be used while testing and troubleshooting the system.



Figure 4-18 Diagnostics Menu Items

4.6.10.1 Phantom Menu

The phantom menu contains list of various communication format phantom signals (see Table 4-8) that can be used to test the receiver or automation software configurations. For example, you set a linecard parameters for a particular communications format and would know like to verify that this new configuration will communicate with other communication formats, you can send phantom signals in the formats you wish to test that linecard with.

Table 4-8: Phantom Signals Formats List

Choice	Format
01 DCS	DCS
02 CID	Contact ID
03 ITI	ITI format
04 BFSK	BFSK
05 A31 Task 1	3/1 format
06 A31 Checksum	3/1 format w/checksum
07 A41	4/1 format
08 A42	4/2 format
09 FSK0	FSK0
10 FSK1	FSK1
11 FSK2	FSK2
12 SIA D1	SIA D1
13 ADM42 Checksum	Ademco 4/2 format w/ checksum
14 SIA D1 Checksum	SIA D1 w/checksum
15 ACRON TOUCH TONE	Acron Touch Tone
16 ADM41 Checksum	Ademco 4/1 format w/ checksum
17 FBI 4+3+1	FBI 4+3+1
18 MeterMinder	ITI MeterMinder format
19 Modem IIE	Modem Iie format
20 SIA-2000	SIA 2000 format
21 VEMS	VEMS format

4.6.10.2 Message Que

Message Que gives a visual indication of how full is the message queue. It does this with both a percentage indication and a bar graph (made of *'s). Each * is approximately 5%.

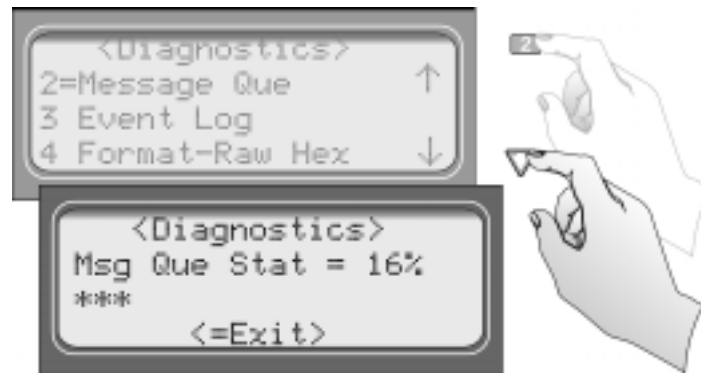


Figure 4-19 Message Queue Level

4.6.10.3 Event Log

Event Log allows you to print out a certain range of reference numbers to the port designated to diagnostics. This can be used to as a troubleshooting tool while correlating alarm messages from the receiver to the automation computer.

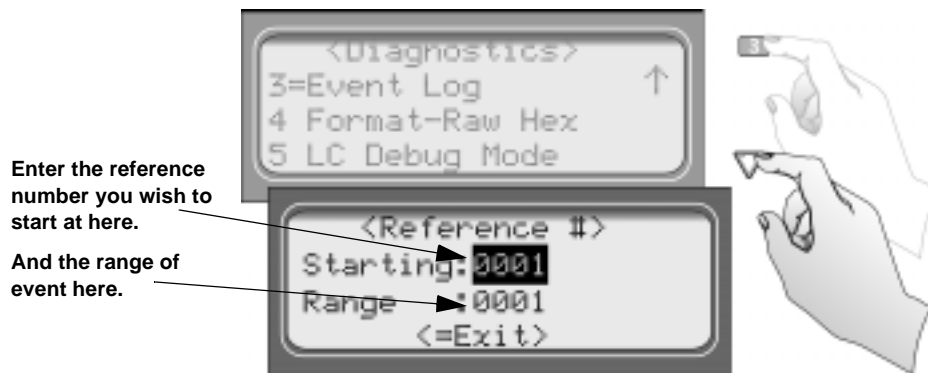


Figure 4-20 Event Log Display

For example, if the automation computer indicated a report that you are not familiar with, you would enter the reference number for that report in the event log and the raw data would be output to the diagnostic port. From the raw data you could determine what the signal was and make adjustment to the automation computer for future signals like that one.

4.6.10.4 Format

Format designates the type of output you wish for the Event Log report. The output format can be in raw ASCII, a printer format, or one of the receivers automation communication formats (see Section 8 for automation protocols).

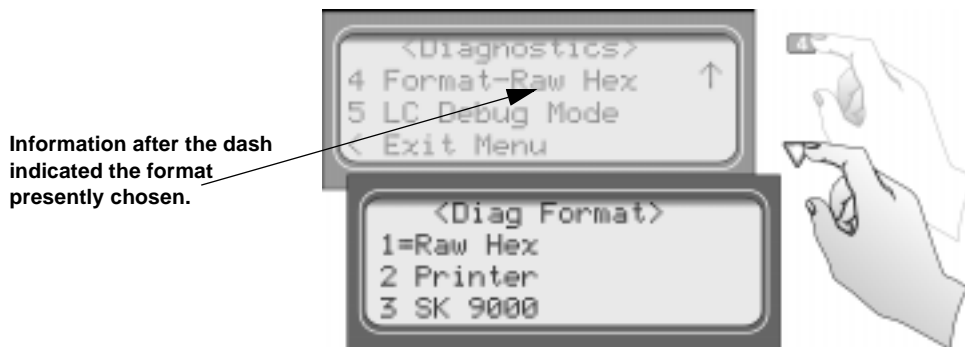


Figure 4-21 Diagnostic Formats

4.6.10.5 LC Debug Mode

LC debug enables the receiver to generate detailed history of handshake sequences to the call buffer. This information can be used for troubleshooting.

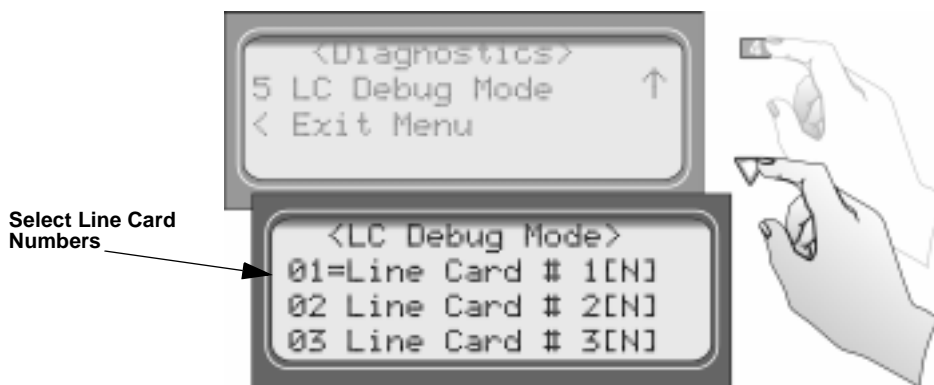





Figure 4-22 Select LC Debug Mode by Line Card

Use the  right arrow or  to toggle the line card selection between “Yes” or “No”.

Press  to exit and “Yes” to save changes.

4.6.10.6 LC Statistics

LC (Line Card) statistics allows you to view the call statistics of a specific line card in comparison to the total number of call received.

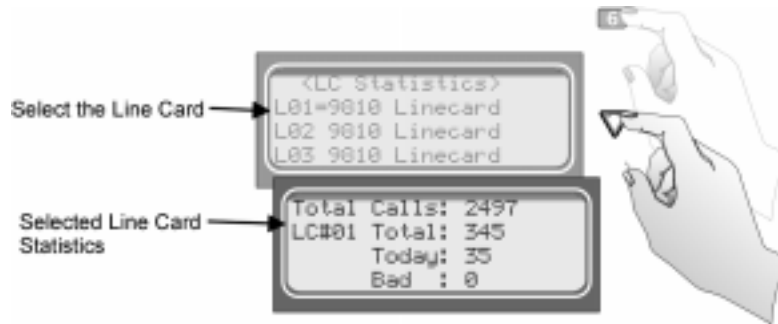



Figure 4-23 Line Card Statistics Display

To view a line cards call statistics, follow these steps:

1. From the installer menu (See Section 4.4) press **8** for Diagnostic menu.
2. Select **6** for LC Statistics. See Figure 4-23.
3. Select the number of the line card you wish to view. See Figure 4-23.
4. Press  left arrow to exit.

4.6.10.7 Port Status

Port status allows you to view the current status of any of the communication ports.

To view the status of one of the communication ports, follow these steps:

1. From the installer menu (See Section 4.4) press **8** for Diagnostic menu.

2. Select **7** for Port Status..



Figure 4-24 Port Status View of Serial Port

3. Select the communication port you wish to view. See Figure 4-24 and Figure 4-25.

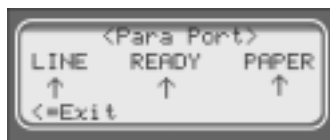


Figure 4-25 Parallel Port Status View

Table 4-9: Abbreviation Display Character Meanings/High Low Status

Abbreviated Character	Meaning	↑ (Bit High)	↓ (Bit Low)
Serial Port (Com 1 & Com 2)			
DSR	Data Set Ready	Ready	Not Ready
DTR	Data Terminal Ready	Ready	Not Ready
CTS	Clear to Send	Ready	Not Ready
RTS	Request to Send	Ready	Not Ready
B	Receive Break	Received Break	Ready
F	Framing Error	Framing Error	Ready
P	Parity Error	Parity Error	Ready
O	Overrun Error	Overrun Error	Ready
Parallel Port			
LINE	printer on-line status.	Printer On-line	Printer Off-line
READY	Printer ready status	Printer ready	Printer not ready
PAPER	Paper status	Paper status OK	Out of paper

4. Press  left arrow to exit.

4.7 Listen-In and Hang Up


Note: See Section 2.3.2 for UL requirement on listen-in.

This section explains how to operate the receiver for listen-in calls. Some panels that perform listen-in send a listen-in indicator included in the reported message to the receiver. Any panel that does not send this message must be added to the Listen-In Account List (see Section 5.4.2.4).

When a listen-in call is received by the 9500, the LCD display will indicate the account number and (depending on the panel) the listen-in timeout period. The listen-in LED on the linecard will be illuminated to confirm the line card indication.

4.7.1 Extend (Common) Listen-In Operation

Follow these steps to manually extend common listen-in time period:

1. Press  .
2. Enter the line card number.
3. Pick up the telephone the listen-in call is on. See Figure 4-26 for a diagram of how the listen-in phone should be connected (in parallel) with the phone line of the line card.

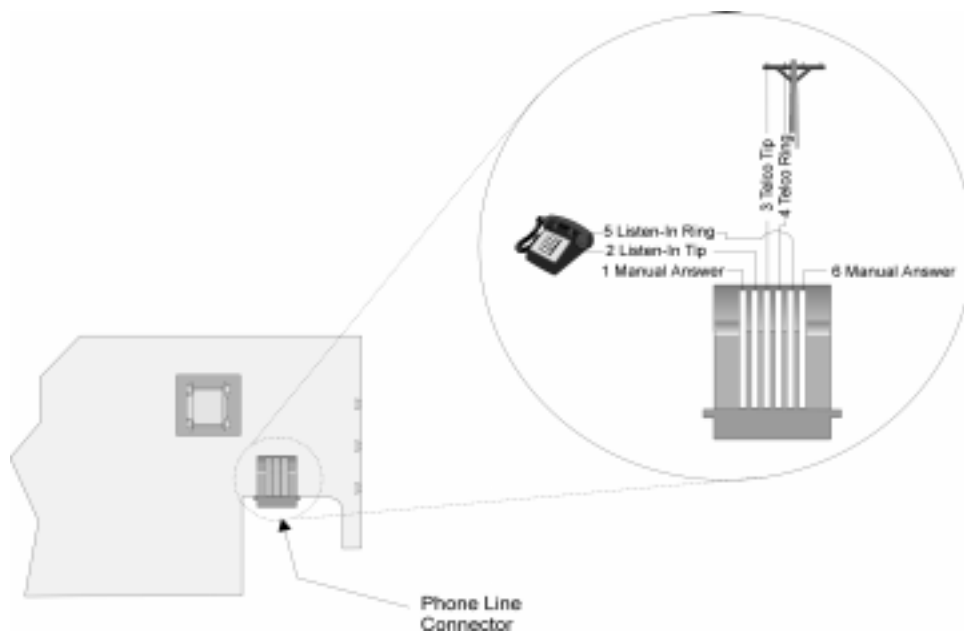


Figure 4-26 Phone Connector Pin-Out and Listen-in Wiring Diagram

4. Perform the listen-in procedures for that panel (refer to panel operation manual).

4.7.2 PBX Operation

Prior to performing listen-in functions on a PBX phone line system the receiver must be set up with the proper listen-in mode and PBX string. Refer to Sections 5.1 and 5.4.2.4 to properly program the receiver to handle PBX listen-in calls.

4.8 Testing the System

IMPORTANT:

The 9500 should be tested regularly to ensure complete and proper operation.
--

Because there are so many variations in dialer parameters and phone line conditions, the only way to be absolutely certain that all subscribers can communicate with the 9500 is to test every subscriber's dialer individually. Subscribers must test their communicators every 30 days to make sure the 9500 receives the information.

When you install a new 9500, test every manufacturers' panels for each format. This is necessary because different manufacturers' panels may operate differently even if all panels use the same format.

