PROGRAMMING GUIDE

XR SERIES

DIGITAL MONITORING PRODUCTS, INC.

MODEL XR150/XR550 SERIES PROGRAMMING GUIDE

Contains programming Instructions for use with the
Model XR150/XR550 Series Control Panels.

When using the XR150/XR550 Series panel for any listing organization's approved methods, refer to the Compliance Listing Guide (LT-1330). This document outlines the installation and programming requirements of all applications for which XR150/XR550 Series control panels are approved.

Information furnished by DMP is believed to be accurate and reliable.
This information is subject to change without notice.

INTRODUCTION

XR PROGRAMMING INFORMATION

This guide provides programming information for the DMP XR Series Control Panels. Before starting to program, read through the contents of this guide.

In addition to this guide, you should also read and be familiar with the following documents:

- XR Series Installation Guide (LT-1233)
- XR Series Programming Sheet (LT-1234)
- XR Series Users Guide (LT-1278)

Internal Programmer

The panel contains all of its programming information in an on-board processor and does not require an external programmer. You can perform all programming tasks through a 32-character DMP alphanumeric keypad set to address one, or through Dealer Admin or Remote Link.

GETTING STARTED

Before starting to program the panel, make sure the panel is properly grounded and AC and battery power is applied to the appropriate panel terminals. All wiring connections and grounding instructions are detailed in the XR150/XR550 Series Installation Guide (LT-1233).

QUICK REFERENCE

To arm non-area systems, enter your 4-digit code. Do NOT press CMD after.

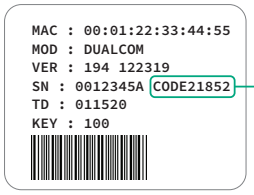
XR150	
Total Number of Zones	142
Number of Possible Hardwired Zones	142
Number of Possible Wireless Zones	100
Number of Areas	8
Event Buffer	12,000
Number of User Codes	10,000
Number of Door Access Points	8
Number of Supervised Keypads	8

XR550	
Total Number of Zones	574
Number of Possible Hardwired Zones	574
Number of Possible Wireless Zones	500
Number of Areas	32
Event Buffer	12,000
Number of User Codes	10,000
Number of Door Access Points	32 out of box 96 max
Number of Supervised Keypads	16

Onboard Panel Outputs	1-6
450 - 474	Slow response time wireless outputs (activates within 15 seconds)
480 - 499	Fast response time wireless outputs (activates within 1 second)
500 - 999	LX-Bus output, Relay output, Zone Expansion output
DO1 - DO16	Keypad door strike relay for address 1 - 16
F1 - F20	Used for Z-Wave favorites
G1 to G20	Output Groups

ACCESSING THE USER MENU

XR Series panels ship with a unique four-digit default master code that is used to access the user menu for the first time. This code can be modified or deleted. To revert back to the default code 99, use the initialize code option found in panel programming. To access the User Menu, complete the following steps:



Example Default Master Code

1. Press **CMD** until **MENU? NO YES** displays.
2. Select **YES**. The keypad displays **ENTER CODE**. Enter your user code.
   You can now scroll down through the list of system features available to you.

BEGIN A PROGRAMMING SESSION

1. Momentarily place the Reset jumper over both of the RESET pins to reset the panel.
2. Enter the code **6653** (**PROG**) and press **CMD**.
3. The keypad displays **PROGRAMMER**.

ENCRYPTED COMMUNICATIONS (XR550 WITH ENCRYPTION ONLY)

Some installations require secure data communications. Use a unique passphrase to enable encrypted communications and provide a secure means for data communications. See *Network Options.*

An XR550 panel with encryption communicates uses 128-bit or 256-bit AES encryption. If you currently have an XR550 panel with network installed, you may purchase a separate feature key to activate encrypted communications using the Feature Upgrade process. Encrypted communication cannot be enabled on a standard XR550 panel. For more information, see *Feature Upgrade*.

PROGRAMMER OPERATION

There are 20 programming sections to choose from:

PROGRAMMING ITEM	SECTION IN THIS MANUAL	PROGRAMMING ITEM	SECTION IN THIS MANUAL
Initialization	2	Output Information	12
Communication	3	Output Groups	13
Network Options	4	Menu Display	14
Messaging Setup	5	Status List	15
Device Setup	6	PC Log Reports	16
Remote Options	7	Area Information	17
System Reports	8	Zone Information	18
System Options	9	Stop	19
Bell Options	10	Set Lockout Code	20
Output Options	11	Feature Upgrade	21

To choose a section for programming, press any select key or area when the keypad displays the name of that section. Sections 2 through 21 contain detailed instructions for each programming step.

PROGRAMMER LOCKOUT CODES

The panel allows you to enter the programming function without entering a lockout code by following steps 1 to 4 listed in Getting Started. However, it's recommended that you install a Lockout Code to restrict programming to only people that your company authorizes. You can do this by using the SET LOCKOUT CODE feature in the Programmer. The Lockout Code restricts any unauthorized panel programming.

After resetting the panel and entering the code 6653 (PROG), the keypad displays PROGRAMMER. Press **CMD** to advance through the programming sections until SET LOCKOUT CODE displays. Press any select key or area. The keypad displays ENTER CODE: – . Enter a 3 to 5 digit Programmer Lockout Code and press **CMD**. The keypad displays ENTER AGAIN followed by ENTER CODE: –. Enter the same 3 to 5 digit code a second time and press. The keypad displays CODE CHANGED. The panel does not accept a 5-digit Lockout Code higher than 65535.

Before accessing programmer functions, enter the new code number. Write the Lockout Code number down and keep it in a secure place with access limited to authorized persons only. Lost Lockout Codes require the panel to be sent back to DMP for repair. You may cancel a Lockout Code by entering 00000 at the Set Lockout Code command.

RESET TIMEOUT

The panel has a feature that requires you to enter the Programmer within 30 minutes of resetting the panel. After 30 minutes, if you attempt to program by entering the 6653 (PROG) code, the keypad displays RESET PANEL. Reset the panel, enter the program code, then begin programming within the next 30 minutes.

If you are already in the Programmer and do not press any keys on the programming keypad for 30 minutes, the panel terminates programming. All data entered up to that time is not saved unless you run the STOP routine.

Use the STOP routine to exit panel Programming. Ensure the keypad displays SAVING PROGRAM to save all programming changes entered.

POWER UP

When the panel is powered up after an AC power failure, any zone transitions are not recognized for 60 seconds. Normal zone processing resumes at the end of the 60 seconds.

KEYPADS

DMP offers multiple keypads in a variety of styles that provide programming capabilities. Each keypad and its operation are shown and described in the following sections. See Figures 2 through 4.

SPECIAL KEYS

The following special keys/areas are common to all DMP keypads.

COMMAND (CMD) Key

Pressing **CMD** allows you to move forward through the programming menu and through each step of a programming section. As you go through the programming section, the keypad display shows any current programming already stored in the panel memory. If no change is required for an option, press **CMD** to advance to the next step.

CMD is also used to enter information into the panel's memory, such as phone numbers or zone names. Press **CMD** after entering information.

Back Arrow (<—) Key

Use the Back Arrow key to back up one step while programming. The Back Arrow key is also used when an error is made while entering information. Press the Back Arrow key once to erase the last character entered.

Select Keys or Areas

The top row of keys are called the select keys on Thinline and Aqualite keypads or select areas on Graphic Touchscreen keypads. Each time you need to press a select key or area, the keypad displays the function or options above one of the keys or in the select area. Displaying choices above individual select keys or in select areas allows them to be used for many different applications. For example, you can enter AM or PM when programming the automatic test time or answer **YES** or **NO** for a system option.

During programming, the select keys or areas also allow you to change information currently in panel memory by pressing the appropriate select key or area under or on the display. You can then enter the new information using the keypad data entry digit keys.

When there are more than four response options available, press **CMD** to display the remaining options. Pressing the Back Arrow key allows you to review the previous four choices.

The select keys or areas are also used for choosing a section from the programming menu. Press any select key or touch the select area when the programming section name you want displays.

On Wireless Thinline and Aqualite keypads, when instructed to press the first select key, press the far left select key. The second select key is the second from the left, the third select key is second from the right, and the fourth select key is the far right key.

On Graphic Touchscreen Keypads, when instructed to press the first select key, touch select area 1. For the second select key, touch select area 2. For the third select key, touch select area 3. For the fourth select key, touch select area 4.

ENTERING ALPHA CHARACTERS

Some options during programming require you to enter alpha characters. To enter an alpha character, press or touch the key that has the letter written below it. The keypad displays the number digit of the key. Next, press the select key or area that corresponds to the location of the letter under the key. Pressing a different select key or area changes the letter. When another digit key is pressed, the last letter displayed is retained and the process starts over.

ENTERING NON-ALPHA CHARACTERS

To enter a space in an alpha entry, press the 9 digit key followed by the third select key or area. The three characters on the 9 digit key are Y, Z, and space. You can also enter the following characters: – (dash), . (period), * (asterisk), and # (pound sign), using the 0 (zero) key and the four select key or area from left to right. For example, to enter a – (dash), press the 0 (zero) key, then press the left select key or area. A dash appears in the keypad display. The following table shows the character locations for DMP keypads.

KEY NUMBER	SELECT KEY OR AREA 1	SELECT KEY OR AREA 2	SELECT KEY OR AREA 3	SELECT KEY OR AREA 4
1	A	B	C	(
2	D	E	F	)
3	G	H	I	!
4	J	K	L	?
5	M	N	O	/
6	P	Q	R	&
7	S	T	U	@
8	V	W	X	,
9	Y	Z	space	_
0	-	.	*	#

KEYPAD DISPLAYS CURRENT PROGRAMMING

Each programming option displayed at the keypad shows the currently selected option in the panel memory. These options are either shown as a number, a blank, or a NO or YES. To change a number or blank to a new number, press any select key or touch any select area. The current option is replaced with a dash.

Press the number(s) on the keypad you want to enter as the new number for that option. It is not necessary to enter numbers with leading zeros. The panel automatically right justifies the number when you press **CMD**.

To change a programming option that requires a NO or YES response, press the select key or touch the select area for the response not selected. For example, if the current option is selected as **YES** and you want to change it to **NO**, on Thinline or Aqualite keypads, press the third select key. On Graphic Touchscreen keypads, touch select area 3. The display changes to **NO**. Press **CMD** to display the next option.

MULTIPLE DISPLAYS

For many programming and user options, such as Area selections, Menu Displays, and Status Lists, there are several displays containing programming. For example, when programming Menu Displays, keypads 1 through 16 display on two separate displays. First, keypads 1 through 8 display. Press **CMD** to display keypads 9 through 16. This same scheme is used for areas 1 through 32. Areas not pre-programmed during installation to display at this keypad cannot be viewed.

ASTERISKS IN PROGRAMMING

Asterisks display next to a programming option that is already selected. Options that are selected to display the current programming selection display an asterisk next to the number. Options not selected only display the number. In the Devices example, keypads 3, 8, 9, and 15 are not selected. In the Areas example, areas 3, 8, 9, 15, 19, 23, 25, and 31 are not selected. In both examples, the numbers with asterisks are selected.

To select or deselect a number, simply enter the number using the digit keys on the keypad. This same scheme is used when viewing the panel armed status and other programming and operational functions. Remember to press **CMD** to display the rest of the device or area numbers.

COMPLIANCE INSTRUCTIONS

This product incorporates field-programmable software. For additional compliance information, refer to the XR Series Compliance Listing Guide (LT-1330).

INITIALIZATION

INITIALIZATION

Initialization

This function allows you to clear selected parts of the panel program back to the factory defaults.

INIT ALL? NO YES

Clear All Memory

NO leaves existing programming intact.

YES clears all memory. Reset the panel by shorting the reset jumper and re-enter programming mode to continue.

CODES? NO YES

Clear All Codes

NO leaves existing codes intact.

YES clears the user code and user profile memory and assigns user code number 99 to the highest user number.

SCHEDS? NO YES

Clear All Schedules

NO leaves existing schedules intact.

YES clears all shift and output schedules.

EVENTS? NO YES

Clear Display Events Memory

NO leaves existing event memory intact.

YES clears the events memory.

ZONES? NO YES

Clear Zone Information

NO leaves existing zone information intact.

YES clears the zone information for all zones.

AREAS? NO YES

Clear Area Information

NO leaves existing area information intact.

YES clears the area information for all areas.

OUTPUTS? NO YES

Clear Output Information

NO leaves existing output information intact.

YES clears all programmed output names and any output cutoff assignment.

COM/RMT? NO YES

Clear Communication and Remote Options

NO leaves existing communication and remote options intact.

YES reset communication and remote options programming to factory defaults.

WIFI? NO YES

Clear Wi-Fi

NO leaves existing Wi-Fi programming intact.

YES reset Wi-Fi programming to factory defaults.

DEFAULTS NO YES

Set to Factory Defaults

NO leaves existing panel programming intact.

YES sets the panel's programming back to factory default selections and clears all Favorites, Device Setup, System Options, and Remote Options programming from the panel. Selecting **YES** does not clear the panel's event memory, zone, user code information, or schedules.

COMMUNICATION

COMMUNICATION

Communication

Configure the communication options for the panel. The information you program varies with the Communication Type you select.

ACCOUNT NO: **12345**

Account Number

The Account Number is a 1 to 5 digit number used to identify which panel is sending a message. Enter the account number sent to the SCS-1R Receiver. The default is **12345**.

The range of valid account numbers for a panel is 1 to 65535. For accounts of four digits or less, do not enter leading zeros.

XMIT DELAY: **30**

Transmit Delay

Enter the number of seconds the panel waits before sending burglary zone reports to the receiver. The valid range is 15 to 45 seconds. Other zone type reports are sent immediately. Alarm bells and relay outputs are not delayed during this period. Program Burglary Outputs for pulsed or steady, and set Abort Reports to **YES** if Opening and Closing reports are not being sent. Enter **0** (zero) to disable this function. The default is **30**.

If the area where the alarm occurred is disarmed during the Transmit Delay time, only an Abort Report (S45) message is sent to the receiver. If the area where the alarm occurred is disarmed after the alarm message is sent to the receiver but before the Bell Cutoff time expires, even if the alarm was silenced, an Alarm Cancelled (S49) message is sent. Otherwise, the alarm is sent at the end of the delay.

PATH: **-**

Communication Path

Up to eight communication paths can be programmed. Each path is designated as a primary or backup communication route. Path 1 is always Primary but other paths may be programmed as additional primary or backup.

Each primary path establishes a new path group. A path group is made up of the primary path and its subsequent backup paths. Typical communication takes place on the primary path with backup paths being used only when the primary path fails or when the backup path is programmed to duplicate messages. There is no option to backup path 8.

Communication Type

Specifies the communication method the panel uses on this path to report system events to DMP SCS-1R or SCS-VR Receivers. Default is **NONE** for Path 1-8.

COMM TYPE: **NONE**

NONE: For local systems. Selecting **NONE** ends communication programming.

DD: Digital Dialer communications to a DMP SCS-1R Receiver

NONE DD NET CID

NET: Network communication using the panel onboard network connection. The DMP Network/Output reporting format is transmitted over a data network to the SCS-1R or SCS-VR Receiver.

CID: This option allows the panel to communicate to DMP and non-DMP receivers using the Contact ID format.

CELL WIFI

CELL: This option allows communication over the cellular network.

WIFI: Network communication to DMP Model SCS-1R or SCS-VR Receivers

PATH TYPE: **BACKUP**
PRIMARY BACKUP

Path Type

The Path Type defines if the path is Primary or Backup. Because Path 1 is Primary, this option only displays for paths 2-8. Default is **BACKUP**.

If the Primary Communication Type is CELL, then the backup Communication Type can only be NET.

TEST RPT: **YES**
NO **YES** DEFER

Test Report

Test Report determines if test reports (Automatic Recall Test OK or Unrestored System) are sent on this path. Reports are sent according to the programming in Test Frequency and Test Time. Default is **YES**.

Select **YES** to allow the programmed test report to be sent on the path currently being programmed.

Select **DEFER** to not send a test report if the panel communicates any message to the receiver within the time set in Test Frequency.

Select **NO** to not send test reports on this path.

TEST FREQ: **1 DY**

Test Frequency

Test Frequency determines the frequency of the test report. Enter a number from **1 to 60** and select **DY** (Day) or **HR** (Hour) by pressing the far right select key or area. Default is **1 DY** (DAY).

TEST DAY: **SUN**

Test Day

Use this option to set the day of the Test Report. This option appears only when Test Report is YES, Test Frequency is DY (DAY) and a multiple of seven. Press **CMD** to display the first four days of the week. Press **CMD** to display the last three days. Select the day of the week to send the test report. Default is **SUN** (SUNDAY).

TEST TIME:
0:00 AM

Test Time

Use this option to select the time of day for Test Reports. Select the hour, minute and AM/PM. Enter **0:00 AM** to disable this feature. Default is **0:00 AM**.

CHECKIN: **YES**

Check In

This option displays if the COMM TYPE is NET, WIFI, or CELL. Check-in reports are a method of supervising the panel for communication with the receiver. For NET, the default is **YES**. For CELL, the default is **YES**.

CHECKIN
NO YES RND ADPT

Select **RND** (Random) for the panel to check-in at random times from 6 to 60 minutes when all areas are disarmed. If any area is armed, a check-in is sent every 6 minutes.

Select **ADPT** (Adaptive) for a backup path to adapt to the check-in programming from this groups primary path if the primary path becomes unavailable. Check-in programming includes Check-in and Fail Time.

CHECKIN
ADP3

Select **ADP3** (Adaptive 3) for a backup path to adapt using a 3 minute Check-in and Fail Time if the primary path becomes unavailable. This option also indicates a Communication Trouble (S10) if the cell tower is unavailable for 3 minutes.

CHECKIN MINS: **200**

When **YES** is selected, enter the number of minutes between check-in reports, from 2 to 240 for NET or 3 to 240 for CELL, when the panel is armed or disarmed. For CELL, the default is **0**. For NET, the default is **200**.

FAIL MINS: **240**

Fail Time

This option displays if CHECKIN is set to YES. Entering a FAIL TIME allows the receiver to miss multiple check-ins before logging that the panel is missing. The maximum fail time is 240 minutes. For example, if CHECKIN is 10 and FAIL TIME is 30, the receiver only indicates a Panel Not Responding after 30 minutes. The FAIL TIME must be equal to or greater than the CHECKIN time. Default is equal to **CHECKIN** for CELL. Default is **240** for NET.

ENCRYPT: **NO**
NO 128 256

Encryption (XR550 with Encryption only)

This option displays if the Communication Type is NET or CELL. Select **128** or **256** to enable the encryption level for the path currently being programmed. Default is **NO**.

256-bit encrypted messages to the SCS-1R receiver only communicate when using SCS-104 Receiver Line Cards with Version 102 or higher software. Encryption requires the monitoring center's passphrase to be entered at PASSPHRASE in Network Options.

USE IPV6:
NO YES

IPV6 Address

This prompt determines if the network path uses IPV6 for communication. Default is **NO**.

RECEIVER IP
000.000.000

Receiver IP

This option displays if the Communication Type is NET or CELL. Enter the Receiver IP address where the panel sends network messages. The Receiver IP Address should be unique and cannot be duplicated on the network. Enter all 12 digits and leave out the periods. For example, enter IP address 192.168.0.250 as 192168000250. The periods display automatically. If IPV6 is selected, the receiver IP needs to be an IPV6 address. If changing from IPV6 YES to IPV6 NO, modify the IP address to IPV4.

RECEIVER PORT
2001

Receiver Port

Enter the receiver port number. Valid range is 1 to 65,535. Default is **2001**.

FIRST PHONE NO:

First Telephone Number

This option displays only if the Communication Type is DD or CID. This is the first number the panel dials when sending reports to the receiver. Phone numbers can have two lines of 16 characters each that equal up to 32 characters.

SECOND PHONE NO:

Second Telephone Number

The panel dials the second number when two successive tries using the first number fail. If the panel cannot reach the receiver after two attempts using the second number, it returns to the first number and makes two additional attempts. A total of ten dialing attempts are made using the first and second phone numbers.

ADVANCED? NO YES

Advanced Programming

Select **YES** to enter the Advanced Programming menu for the communication path currently being programmed. Select **NO** to end programming of the current communication path and go back to the Communication Path option to program a secondary path.

APN
SECURECOM400

APN

Enter the first APN (Access Point Name). This allows an access point for cellular communication and is used to connect to a DNS network. The APN may contain two lines of 16 characters that equal up to 32 characters. Default is set to **SECURECOM400**.

FAIL TEST HRS: **0**

Fail Test Hours

This option sets the frequency for a Backup or Adaptive path to send a test report when the closest previous path fails within its path group.

If Fail Test Frequency is set to 0, test reports are sent only according to Test Report programming. Range is 0 to 24 hours. Default is **0**.

PROTOCOL: **TCP**

Protocol

This option displays only if Communication Type is NET.

Select **TCP** to communicate over the network using TCP protocol. Select **UDP** to communicate using UDP protocol. Default is **TCP**.

RETRY SECONDS: **6**

Retry Seconds

This option displays only when Communication type is NET.

Enter the number of seconds the panel should wait before retrying to send a message to the receiver if an acknowledgment was not received. The valid range is 6 to 15 seconds. The panel retries as many times as possible for a period of one minute before sending a network trouble message. The default is **6** seconds.

SUB CODE: **NO**
NO YES SHR

Substitution Code

This option displays when the Communication Type is NET or CELL. The Panel Substitution Code increases the level of security by helping to ensure that the panel sending the message to the receiver has not been substituted by another panel. The default is **NO**.

Select **YES** to send a substitution code with every message.

Select **SHR** (SHARED) to use the same substitution code that was used in the previous path.

893A: **NO** YES

893A

This option displays when the Communication Type is DD or CID.

The 893A option allows reports to be sent to the receiver on a second DD line using the 893A module. Default is **NO**.

When using an 893A, Test Report messages (S07 Automatic Recall Test or S88 Unrestored System Recall Test) are sent to the receiver at the frequency programmed in Test Frequency, alternating between the first and second phone line.

ALARM SWITCH: **1**

Alarm Switch

This option displays only if using the DD or CID Communication Types.

Enter the number of attempts to send an alarm message before switching to the next path. Range is from 1 to 10. All non-alarm messages are sent for 10 attempts on the dialer before a switch is initiated. If the path immediately following this channel is not a backup path, this option has no effect. Default is **1**.

DUPLICATE ALARMS
NO YES

Duplicate Alarms

This option displays for BACKUP paths.

Select **YES** for the current backup path to duplicate all alarms occurring on its group primary path. Default is **NO**.

ALARM **YES**

Alarm Reports

This option displays for Primary paths. All backup paths within the group follow the same programming for Alarm Reports. Default is **YES**.

NO **YES** FIRE

When **YES** is selected, the following reports are sent to the receiver for all zone types:

- Alarm
- Bypass
- Reset
- Restore

When **FIRE** is selected, the following reports are sent for Fire, Fire Verify and Supervisory Zones:

- Alarm
- Bypass
- Reset
- Restore

SPV/TRBL **YES**

Supervisory/Trouble Reports

This option displays when the Path Type is Primary. All backup paths within the group follow the same programming for Supervisory/Trouble Reports. Default is **YES**.

When **YES** is selected, the following reports are sent for all zone types:

- Trouble
- Low Battery
- Missing
- Fault
- Restorals
- System Troubles
- System Restoral

When **FIRE** is selected, the following reports are sent for Fire, Fire Verify, and Supervisory Zones:

- Trouble
- Low Battery
- Missing
- Fault
- Restorals
- System Troubles
- System Restoral

Serviceman reports are sent regardless of the selection made for Supervisory/Trouble reports.

O/C USER NO **YES**

Opening/Closing and User Reports

This option displays when the Path Type is Primary. All backup paths within the group follow the same programming for Opening/Closing and User Reports. Default is **YES**.

When **YES** is selected, the following reports by user are sent to this receiver.

- Opening
- Code changes (including adding, deleting, changing)
- Closing
- Schedule changes (temporary, permanent, shift)
- Bypass
- Holiday date changes
- Reset

DOOR ACS **DENY**

NO YES **DENY**

Door Access Report

This option displays when the Path Type is Primary. All backup paths within the group follow the same programming for Door Access Reports. Default is **DENY**.

Select **YES** to enable Door Access Granted and Denied reports to this receiver whenever a door access is granted to a user. The Door Access Granted report is only sent if the keypad number has also been selected in Access Keypads under the SYSTEM REPORTS programming.

Select **DENY** to enable Door Access Denied reports only to this receiver when a door access is denied to a user.

PANIC TST **NO** YES

Panic Test (Network only)

YES allows the panic zone test verification and failure results to be sent to the central station receiver. **NO** disables the panic test report. The default setting is **NO**. The system test start, stop, panic zone verification, and panic zone failure messages sent to the central station and the trips count operation are the same as used under the Walk Test.
See *Using the Walk Test* section in the Appendix.

SEND COMM TRBL:
NO YES

Send Communication Trouble

This option displays for each path and determines if and how communication trouble on the path is sent to the receiver. A trouble message indicates both the path number and communication type that failed. Default is **YES**.

SEND PATH INFO:
NO YES

Send Path Information

This option displays for each path and if **YES** is selected, each panel message includes path information such as path number, communication type, and path type. Default is **NO**.

NETWORK OPTIONS

Network Options are provided to define the network configuration for the panel. This information is used during message communication via network. A 763 Wi-Fi Module is required in order to send alarm signal communication. IP addresses and port numbers may need to be assigned by the network administrator. When entering an IP, Gateway, or Subnet Mask address, enter all 12 digits and leave out the periods.

WIFI SETUP
WPS LIST MANUAL

Wi-Fi Setup

This option is for connecting to the desired Wi-Fi network and displays only when Comm Type is set to Wi-Fi. Press any select key or area to select.

WIFI SETUP
TEST

WPS - Automatically connects to a WPS enabled router

LIST - Displays the names and signal strength of any Wi-Fi routers in range

MANUAL - Enter the name of the Wi-Fi router you wish to connect to

TEST - Verifies connection of your system to the Wi-Fi network

SEARCHING

WPS

When WPS is selected, SEARCHING displays. Press the WPS button on the Wi-Fi network router you are attempting to connect to. SEARCHING displays for up to two minutes or until connected to the WPS enabled router. Refer to the router's instruction manual for sending a security key to the XR Series Control Panel.

If the panel fails to connect to the WPS enabled router, WPS FAILED RETRY? NO YES displays. Press the fourth select key or area to RETRY or press the third select key or area to display WPS LIST MANUAL.

WPS LIST MANUAL
SEARCHING

SIGNAL XXXXXX
HOMENET123

List

When **LIST** is selected, SEARCHING displays until any Wi-Fi networks are found in range. Once available Wi-Fi networks are found, the keypad displays the name of the SSID (Wi-Fi Network name) and signal strength of each network. Press **CMD** to scroll through the list of available Wi-Fi networks. When the desired network displays, press any select key or area to connect.

WPS LIST MANUAL

WIFI SETUP
ENTER SSID

Manual

This option allows you to enter the desired network name using the keypad. When MANUAL is selected, the current settings display. Press **CMD** to continue with no change. **SecureCom** is the default.

Once the SSID is entered, press **CMD** and SEARCHING displays.

When an SSID is entered for the first time or changed, the panel searches for the SSID entered to ensure communication. The keypad displays SSID FOUND or SSID NOT FOUND. When the SSID is found, the security type is also detected.

SSID
SSID FOUND

Enter up to 32 characters for the SSID from the network router to identify the network LAN. The SSID is blank by default. Use the chart below to enter lowercase or special characters. Each successive press of the select key or area gives additional options.

KEY NUMBER	SELECT KEY OR AREA 1	SELECT KEY OR AREA 2	SELECT KEY OR AREA 3	SELECT KEY OR AREA 4
1	A, a,	B, b	C, c	(, [, {
2	D, d	E, e	F, f	),], }
3	G, g	H, h	I, i	!, ^, ~
4	J, j	K, k	L, l	?, ", |
5	M, m	N, n	O, o	/, \, `
6	P, p	Q, q	R, r	&, $
7	S, s	T, t	U, u	@, %
8	V, v	W, w	X, x	, =
9	Y, y	Z, z	space, :	_, ;
0	-, +	., '	*, <	#, >

SSID
SSID NOT FOUND

If the 763 is unable to connect to the desired network and SSID NOT FOUND displays, press **CMD** to return to the main menu and WPS LIST MANUAL displays. Press **CMD** again to display TEST.

TEST

Test

Press the first select key or area to select TEST and the 763 Wi-Fi module attempts to verify connection of your system to the selected Wi-Fi network.

W/L SECURITY
WPA-PSK

W/L SECURITY
WEP WPA NONE

Wireless Security Type

When successful, W/L SECURITY displays. Select the security type based on the network router programming. The default network security type is **WPA-PSK**. Press any select key or area to display the other security options. The available options are WEP, WPA, and NONE.

Press the first select key or area to choose WEP, press the second select key or area for WPA, press the third select key or area for NONE.

W/L KEY
****

Wireless Network Key

This option displays only if Comm Type is set to Wi-Fi and Security option is not set to NONE. Enter the key provided from the network router's programming. WEP requires a network password of 10 characters (WEP64) or 26 characters (WEP128), using a combination of the number 0-9 and the letters A-F. See the chart above to enter lowercase or special characters.

WPA/WPA-PSK uses a custom key that allows 8 to 32 characters.

When connecting to the Wi-Fi network, the panel also detects the security type in use and W/L KEY: ********** displays.

Enter the **W/L KEY** and the panel performs a connection test and CONNECTING displays. When successful, CONNECTED displays on the keypad. If the panel does not connect to the Wi-Fi network, NOT CONNECTED displays. Press **CMD** to return to the Wi-Fi SETUP main screen.

Depending on the security type, the key might take several seconds to process.

USE IPV6:
NO YES

IPV6

At the IPV6 prompt, select **YES** to use an IPV6 address. The default is **NO**. IPV6 is DHCP only.

DHCP NO YES

DHCP

If the panel uses a dynamic IP address, select **YES**. When set to YES, the panel operates using DHCP and does not use the Local IP Address number. When the DHCP option is set to NO, the panel uses the IP address entered in Local IP Address. The default value for DHCP mode is **YES**.

LOCAL IP ADDRESS
192 .168.0.250

Local IP Address

Enter the local IP address for the panel. The Local IP Address must be unique and cannot be duplicated. The default local IP address is **192.168.0.250**.

GATEWAY ADDRESS
192 .168.1.1

Gateway Address

Enter the local gateway address. The Gateway IP Address is needed to exit your local network. The default gateway address is **192.168.1.1**.

SUBNET MASK
255.255.255.000

Subnet Mask

Enter the local subnet mask assigned to the panel. The default subnet mask address is **255.255.255.000**.

DNS SERVER
192.168.0.1

DNS Server

Enter the IP address of the DNS (Domain Name System) used by the panel to resolve domain names into IP addresses. The default address is **192.168.0.1**.

On systems with hardwired network connection, the DNS address can be changed even if the panel has DHCP enabled.

PASSPHRASE
-

Passphrase (XR550 with Encryption only)

To enable encryption, type an 8 to 16-character Passphrase using alphanumeric characters. If you leave the Passphrase blank, the panel communicates with the SCS-1R Receiver but the data is not encrypted. The Passphrase is **blank** by default.

An XR550 panel with encryption is capable of communicating 128-bit or 256-bit encrypted data to an SCS-104 line card installed at the receiver. The XR550 panel with encryption and the receiver SCS-104 line card should have the same passphrase.

An XR550 panel with encryption communicates using AES encryption. If you currently have an XR550 panel with network installed, you may purchase a separate feature key to activate encrypted communications using the feature upgrade process described in *Feature Upgrade.* Encrypted communication cannot be enabled on a standard XR550 panel. 256-bit encrypted messages to the SCS-1R receiver only communicate when using SCS-104 Receiver Line Cards with Version 102 or higher software.

PORT: **2002**

734N Listen Port

Enter the port number that the 734N/734N-POE/7463/8860 will use to send communication to the panel. This must be the same port that is programmed in Panel IP Port within the 734N/734N-POE/7463/8660 Communication programming menu.

Note: The 734N Listen Port cannot be the same as the panel network programming port.

734N PASSPHRASE
-

734N Passphrase

Enter an 8 to 16-character Passphrase to encrypt communication with the 734N/734N-POE module. The 734N Passphrase must match the 734N Passphrase entered in Communication programming of the 734N. The Passphrase is **blank** by default. A passphrase is required for operation.

ENABLED XR/X1
COMMS? NO YES

Enable XR/X1 Communication

Select **YES** to enable XR to X1 and XR to XR communication. Select **NO** to leave this option disabled.

XR/X1 PASSPHRASE
-

DDP Passphrase

This option only displays if XR/X1 Communication is set to **YES**. Enter a passphrase to encrypt XR to XR communication. The valid range is 8-16 characters.

DEVICE SETUP

DEVICE SETUP

Device Setup

This section allows you to define the panels physical configuration. You can install and address up to sixteen supervised devices on the keypad bus. Devices can also be added to available LX-Busses. Programmable devices are Keypad, Door, Fire, Expander, 1100T, and V-PLEX.

CARD OPTIONS
CARD FORMATS

Custom Card Definitions

Select the slot number (1-8) that you would like to program a custom non-DMP card format into. The format that is programmed into slot 1 is the default format. In the event that a card with an unrecognized format is used, that card is read in the format that is programmed in slot 1. To restrict card reads to specific formats, only program slots 2-8. For a chart of commonly used card formats and their defaults, refer to the 734 Installation Guide (LT-0737) or 734N/734N-POE Installation Guide (LT-1197).

If you select slot 1 and are updating an XR with firmware Version 182 or earlier, Format Name is automatically named Single Card Format and Wiegand Code Length defaults to 45.

WIEGAND CODE LENGTH: **26**

Wiegand Code Length

When using a custom credential, enter the total number of bits to be received in Wiegand code, including parity bits. Press any select key or area to enter a number between 1-255 to equal the number of bits. Default is **26 bits**.

Determine and program the starting position location and code length into the 734/734N/734N-POE Module.

SITE CODE POSITION: **1**

Site Code Position

Enter the site code start position in the data string. Press any select key or area to enter a number between 0-255. Default is **1**.

SITE CODE LENGTH: **8**

Site Code Length

Enter the number of characters the site code contains. Press any select key or area to enter a number between 1-16. Default is **8**.

USER CODE POSITION: **9**

User Code Position

Define the User Code start bit position. Press any select key or area to enter a number between 0-255. Default is **9**.

USER CODE LENGTH: **16**

User Code Length

Define the number of User Code bits. Press any select key or area to enter a custom number. On a 734 module, custom numbers can only be between 16-40. On a 734N/734N-POE module, custom numbers can be between 1-255. The default is **16**.

REQUIRE SITE CODE: NO YES

Require Site Code

Press the select key or area under YES to use a site code.

In addition to User Code verification, door access is only granted when any one site code programmed at the SITE CODE ENTRY option matches the site code received in the Wiegand string.

SITE CODE 1: -

Site Code Display

734 Module: You can program up to 8 eight-digit site codes. Site code range is 0-16,777,214. Any previously programmed site codes display. Dashes represent blank site codes. Default is **blank**.

SITE CODE 1:
(0-16,777,214) 127

734N/734N-POE Module: You can program up to 8 eight-digit site codes. Site code range is 0-16,777,214. Any previously programmed site codes display. Site Code 1 defaults to **127**. Site Codes 2-8 default to **blank**.

Site Code 1 displays first. Enter a site code number followed by the **CMD** key to advance to the next option, Site Code 2. To delete an existing site code, press any select key or area. Either enter a new site code followed by **CMD**, or press **CMD** to leave blank and continue to the next site code. Repeat these steps to change, delete, or add up to 8 site codes.

NO. OF USER CODE DIGITS **5**

Number of User Code Digits

The 734, 734N/734N-POE, and 734N-POE modules recognize user codes from 4-12 digits in length. Press any select key or area to enter a user code digit length. This number should match the user code number length used by the panel. Default is **5**. For an Area System, use 4 to 12 digits. For all other XR Series panel configurations, use 4 digits.

Any selection above 5 digits requires entry of the custom card definitions with custom site and user code positions for the Wiegand string. When searching the bit string for the user code, the digits are identified and read from left to right.

DEVICE NO: -

Device Number

Enter the address of the device you are programming. After you program each option for the first device, repeat these programming steps for each additional device. Programmable devices are KEYPAD, DOOR, FIRE, EXPANDER, 1100T, and V-PLEX. The available addresses are 1 - 16 on the panel keypad bus and 500 - 999 on the LX-Bus. The valid range for KEYPAD, FIRE, and EXPANDER type devices is 1 - 16 on the panel keypad bus. The valid range for DOOR type devices is 1 - 16 on the panel keypad bus and 501 - 961 on the AX-Bus.

See the AX Bus Addresses and 734 Zone Numbers chart on the next page. Wireless keypads and network door controllers are not able to occupy address 1.

AX-Bus Operation for 734 Access Control Modules

Once a 734 address is programmed for the bus, the LX-Bus is automatically converted from a hardwired zone expansion bus to a hardwired AX-Bus, and the bus begins to operate in the following ways:

- Each 734 module provides one door relay and four protection zones to connect switches, such as door and window contacts.
- 16 doors of access can be programmed per AX-Bus to a maximum of eighty (80) 734 modules. See the table below for available addresses.
- Any unused AX-Bus zone numbers can be programmed as wireless zones. Hardwired zone expansion modules, such as the 711, 714, and 715-16, are incompatible with bus operation and cannot be used.
- Device Setup programming for AX-Bus addresses are automatically programmed as door types. Device Type, Communication Type, and Display Areas are not shown. Only 734 module programming is shown.

An AX-Bus operation is compatible with 734, 734N, and 734N-POE modules and XR550 Control Panels. AX-Bus operation is not compatible with XR150 Control Panels.

Device Addresses and 734, 734N, and 734N-POE Zone Numbers

KEYPAD BUS		LX/AX BUS									
DEVICE/ DOOR	ZONES	DEVICE/ DOOR	ZONES	DEVICE/ DOOR	ZONES	DEVICE/ DOOR	ZONES	DEVICE/ DOOR	ZONES	DEVICE/ DOOR	ZONES
1	11-14	501	501-504	601	601-604	701	701-704	801	801-804	901	901-904
2	21-24	505	505-508	605	605-608	705	705-708	805	805-808	905	905-908
3	31-34	509	509-512	609	609-612	709	709-712	809	809-812	909	909-512
4	41-44	513	513-516	613	613-616	713	713-716	813	813-816	913	913-916
5	51-54	517	517-520	617	617-620	717	717-720	817	817-820	917	917-920
6	61-64	521	521-524	621	621-624	721	721-724	821	821-824	921	921-924
7	71-74	525	525-528	625	625-628	725	725-728	825	825-828	925	925-928
8	81-84	529	529-532	629	629-632	729	729-732	829	829-832	929	929-932
9	91-94	533	533-536	633	633-636	733	733-736	833	833-836	933	933-936
10	101-104	537	537-540	637	637-640	737	737-740	837	837-840	937	937-940
11	111-114	541	541-544	641	641-644	741	741-744	841	841-844	941	941-944
12	121-124	545	545-548	645	645-648	745	745-748	845	845-848	945	945-948
13	131-134	549	549-552	649	649-652	749	749-752	849	849-852	949	949-952
14	141-144	553	553-556	653	653-656	753	753-756	853	853-856	953	953-956
15	151-154	557	557-560	657	657-660	757	757-760	857	857-860	957	957-960
16	161-164	561	561-564	661	661-664	761	761-764	861	861-864	961	961-964

Device Addresses and 736V V-Plex Module Zone Numbers

XR150/XR550		XR550 ONLY	
DEVICE	ZONES	DEVICE	ZONES
501	500-595	601	600-695
		701	700-795
		801	800-895
		901	900-995

Zones 96-99 on any LX-Bus that is connected to a 736V are diagnostic zones. For more information refer to the 736V V-Plex Advanced Settings Guide (LT-1934).

* UNUSED *

Device Name

Enter a device name for each device in the system. To add a device name, press any select key or area. The default device name (DEVICE X) displays. Select **CMD** to accept the default name or press any select key or area to enter a new name up to 32 alphanumeric characters. Press **CMD**.

To remove a device from the system, delete the device name by pressing any select key or area, then press **CMD**. The panel automatically programs the name as * UNUSED *.

TYPE: **KEYPAD**
DOOR KPD FI EXP

VPX TLR PNL

Device Type

This section allows you to select a device type for the selected device number.

DOOR: The device is an access control device and is either a keypad using door strike functions or a Access Control Module. Devices with an address higher than 16 are automatically assigned as a DOOR device type.

KEYPAD: The device type is a non-fire, non-access keypad.

FIRE: A 630F Remote Annunciator. See Fire Device Remote Programming in the XR Series Compliance Guide (LT-1330) for instructions on how to allow remote panel programming.

EXPANDER: A Zone Expansion Module

VPX: A V-Plex device. The valid zones for VPX devices are 501, 601, 701, 801, and 901.

XR Panel: The device is a secondary XR panel.

PRIVATE DR **NO** YES

Private Door

Select **YES** to assign this address as a private door, which will not be assigned to an access area. The private door can then be added to a profile. Up to four private doors can be assigned to an individual profile.

Select **NO** to not allow a door to be designated as a private door. Default is **NO**.

1100T? **NO** YES

1100T

The 1100T allows you to use compatible non-DMP (competitor) wireless with an XR Series panel.

Select **YES** to use an 1100T Wireless Translator. Default is NO. Valid device numbers are 2-8 for XR150 Control Panels and 2-16 for XR550 Control Panels. An 1100T can only be programmed on kepyad addresses. One 1100T Translator is programmable per XR Series Control Panel.

If an 1100T is programmed, in **ZONE INFORMATION** at **COMP WLS?** (Competitor Wireless), select YES. Then, enter the Competitor Wireless Serial Number at **COMP WLS SRL #**.

SERIAL #: XXXXXXXX

Enter the 1100T serial number and press CMD.

1100T FREQ:
HWL 2GIG INT DSC

Communication frequencies are HWL (Honeywell), 2GIG, INT (Interlogix), and DSC. Default is **HWL** (Honeywell).

DEVICE COMM TYPE
KPD-BUS AX-BUS

Device Communication Type

Select **KPD-BUS** for devices that are connected to the keypad bus. Select **AX-BUS** for addresses 501-964.

DEVICE COMM TYPE
KPD WLS NET

Select **WLS** for wireless communication.

Select **NET** for devices that communicate over a network connection.

PANEL COMMUNICATION TYPE	AVAILABLE NETWORK KEYPADS (INCLUDING WI-FI KEYPADS)
Hardwired Network	15 network keypads
Wi-Fi Only (763 Module)	0 network keypads

Note: You can only enter panel programming or disable the Programming Port on a hardwired keypad when connected to the keypad bus of an XR Series panel.

SERIAL #:XXXXXXXX

Serial Number

This option only displays if Device Type is KEYPAD and Device Comm Type is WIRELESS Enter the eight-digit serial number found on the wireless keypad.

SUPERVSN TIME: **240**

Supervision Time

This option only displays if Device Type is KEYPAD and Device Comm Type is WIRELESS.

SELECT MINUTES:
0 60 240

Press any select key or area to select the supervision time required for the device. Press **CMD** to accept the default time. Default is **240 minutes**.

Press the select key or area under the required number of minutes. The device checks in at least once during this time or if a missing condition is indicated for that device. Zero (0) indicates an unsupervised wireless keypad.

ACCESS AREAS

Access Areas

Press **CMD** to program Access Areas. To select an area, enter the area number using the digit keys on the keypad. When an area is selected, an asterisk appears next to the area number. Enter the number again to deselect the area. Press **CMD** to display the next set of areas.

Users should have matching access area numbers assigned to their code to receive a door access at this device. For an All/Perimeter, Home/Sleep/Away, or Home/Sleep/Away with Guest system, Access Areas should be left at factory default settings.

EGRESS AREAS

Egress Areas

Press **CMD** to program Egress Areas. To select an area, enter the area number using the digit keys on the keypad. When an area is selected, an asterisk appears next to the area number. Enter the number again to deselect the area. Press **CMD** to display the next set of areas.

Use this option to detect Anti-passback violations. Anti-passback requires a user to properly exit (egress) an area they have previously accessed. If users fail to exit through the proper card reader location, they are not granted access on their next attempt.

DISPLAY AREAS

Display Areas

Press **CMD** to program Display Areas. To select an area, enter the area number using the keypad digit keys. When an area is selected, an asterisk appears next to the area number. Enter the number again to deselect the area. Press **CMD** to display the next set of areas. Default is **all area numbers**.

Display Areas allows the panels burglary activities to be segmented so that only specific area(s) and their associated operations appear at a particular keypad. Area number(s) selected in this field affect the way users interact with the system from this particular device. This allows specific area control from specific keypads, as well as annunciation of zones assigned to those area(s).

When Display Areas is left defaulted (all areas selected), Menu Display and Status List items determine whether zone alarms and troubles display at this device, regardless of area assignment. All system areas may be armed and disarmed from this device.

For an All/Perimeter or Home/Sleep/Away system, Display Areas should be left at factory default settings.

For Home/Sleep/Away with Guest arming systems, the Display Areas selection determines which system the keypad arms and disarms. With areas 1, 2, or 3 as the first areas selected, the keypad is assigned to the Main system. With areas 4, 5, or 6 as the first areas selected, the keypad is assigned to the Guest 1 system. With areas 7, 8, or 9 as the first areas selected, the keypad is assigned to the Guest 2 system (Guest 2 only applies to XR550 systems). Keypads can have additional areas assigned for Event Display.

User Action Allowed

When an area(s) is selected, the following user actions are allowed:

- Arming or Disarming of the area(s) selected from the ARM or DISARM menu
- Alarm Silence for the area(s) selected
- Zone Bypass of zones assigned to the area(s) selected
- Zone Monitor of zone assigned to the area(s) selected
- Shift schedule changes allowed for the area(s) selected
- Closing Check Schedule Extend is allowed for the area(s) selected
- Door Schedules changes are allowed for devices that have a matching area(s) as defined in Device Access Areas
- Door On/Off Menu operation is allowed for devices that have a matching area(s) as defined in Device Access Areas

The user actions also require the matching area(s) be programmed in User Profile: Arm/Disarm area(s).

Status Display Allowed

- When an area(s) is chosen, the following displays are allowed:
- Armed Status of the selected area(s)
- Zone Alarms and troubles for burglary (NT, DY, EX, A1, A2) type zones assigned to the selected area(s)
- Late to Close status of the selected area(s)
- Zone Status (normal/fault) of zones that are assigned to the selected area(s)

Options and Actions Not Affected

The following options are not affected by the Display Areas operation. The User Code authority level controls access to these items:

- Sensor Reset Menu
- Outputs On/Off Menu
- System Status Menu
- System Test/Panic Test
- User Profiles
- Forgive Anti-passback
- Service Request
- Set System Time and Date
- Fire Drill
- Display Events
- 24-hour zones display at keypads based on Status List programming only

STRIKE TIME: **5**

Strike Time

Enter a door access time between **1 and 250** seconds when a keypad or access control device relay is activated. Magnetic locks or electric door strikes are connected to the relay and released for the length of the strike time. Default is **5 seconds**.

Enter **0** (zero) to activate the device relay with a toggle action. This allows the user to activate or deactivate the device relay each time a valid user code is entered. The device relay is activated or deactivated until a user code is entered again.

STRIKE DELAY: **0**

Strike Delay

Enter the number of minutes to delay a door strike after a valid code is entered or a card read occurs. The valid range is **0 to 9** minutes. When a valid code or card read is received, the activation of the door strike is delayed for the number of minutes programmed. The standard door strike message is sent to the Monitoring Center receiver. During this delay, all subsequent codes entered or cards presented to the reader for a door strike are ignored and no record of the attempt is stored. Enter **0** (zero) to disable. Default is **0** (zero).

FIRE EXIT **NO** YES

Fire Exit Release

Select **YES** to allow the door access relay at this address to release when Fire panic keys are pressed or a Fire or Fire Verify zone alarm is in the Status List. The relay is reset when a Sensor Reset is performed to remove all Fire and Fire Verify zone alarms from the Status List. Select **NO** to not allow the door access relay at this address to be released.

PUBLIC DR **NO** YES

Public Door

Select **YES** to allow this device to send a lock command when the Lockdown command is issued from the Keypad User Menu, correctly configured Panic Zone, or remote command.

Select **NO** to not send a lock command to this device when the Lockdown command is issued. Default is **NO**.

OUT GROUP **NO** YES

Output Group

Select **YES** to allow the output group (relays) assigned to the user profile to turn ON when the device relay is activated for the programmed strike time. Default is **NO**. For more information about profiles, refer to *User Profiles* in the Appendix.

OVERRIDE **NO** YES

Schedule Override

Select **YES** to allow the schedule to be overriden by the armed condition of the system. This causes the on time for a door schedule to be ignored when all areas assigned to Access Areas for this device are armed. If any area becomes disarmed after the door's scheduled on time, the device output turns on. A door output that is on during a disarmed period automatically turns off when all access areas assigned to the device become armed, even if the scheduled off time has not been reached. This feature can be used to keep doors locked when a factory opens late or is forced to close early, due to a snow storm or other cause.

Select **NO** to allow door schedules to operate independent of system armed status.

When OVERRIDE is YES and there are no areas programmed in ACCESS AREAS, the door schedule for that device does not work. Set OVERRIDE to NO or enter an area number in ACCESS AREAS.

AUTO FORCE ARM DEVICE? **NO** YES

Auto Force Arm Device

Select **YES** for all Display Areas assigned to this keypad to automatically arm and force arm faulted zones at arming. The user is not prompted to select areas to arm or force arm faulted zones after choosing ARM at the keypad. If Closing Code is programmed as YES, only the matching areas between the Display Areas and the User Code's authorized areas arm. When YES is selected, the user is not prompted to select areas to disarm after entering a code at Entry Delay or after choosing Disarm at the keypad. All matching areas assigned to the User Code and to this keypad are automatically disarmed. When NO is selected, the user is prompted to select areas (ALL NO YES) and choose to force arm or bypass at arming and disarming. Default is **NO**.

DOOR REAL-TIME STATUS? **NO** YES

Door Real-Time Status

Select YES for real-time door status messages to send to the PC Log, Entré, and Dealer Admin accounts that are reporting for this device. Messages are sent anytime the panel turns the door relay on or off. Default is **NO**.

SEND DOOR FORCED MESSAGE? **NO** YES

Send Door Forced Message

Select **YES** for the panel to send a real-time door status message of Forced Open (FO) to PC Log reporting, Entré reporting, and Dealer Admin reporting when the door relay is off but the door zone has transitioned from its normal state. Default is **NO**.

PROGRAM 734 OPTIONS? **NO** YES

Program 734/734N Options

Select **YES** to program a 734 or a 734N/734N-POE Access Control Module. The options displayed for a 734 or 734N are the same.

To program the 734, set the Device Type to **DOOR** and the Device Communication Type to **KPD-BUS** or **AX-BUS**.

To program the 734N/734N-POE, set the Device Type to **DOOR** and the Device Communication Type to **NETWORK**.

ACTIVATE ZONE 2 BYPASS? **NO** YES

Activate Zone 2 Bypass

Select **YES** to activate the Bypass option.

Selecting **NO** allows standard zone operation on Zone 2 and displays the ACTIVATE ZONE 3 REX option. Default is **NO**.

If the door being released by the 734/734N/734N-POE module is protected (contact installed), you can provide a programmable Bypass entry/exit timer by connecting its contact wiring to the 734/734N/734N-POE module Zone 2. When the on-board Form C relay activates and the user opens the door connected to Zone 2, the zone is bypassed for the number of seconds programmed in ZONE 2 BYPASS TIME, allowing the user to enter/exit.

If Zone 2 does not restore (door closed) within the programmed bypass time, the 734/734N/734N-POE piezo pulses during the last ten seconds. If Zone 2 restores prior to the end of the programmed time, the piezo silences. If the zone does not restore before the programmed time, the 734/734N/734N-POE ends the bypass and indicates the open or short zone condition to the panel.

ZONE 2 BYPASS TIME: **40**

Zone 2 Bypass Time

Enter the number of bypass seconds to elapse before the bypass timer expires. Range is from **20 to 250** seconds. Press any select key or area to enter the number of seconds. If the door remains open when the timer expires, a zone open/short is sent to the panel for Zone 2. The default is **40 seconds**.

RELOCK ON ZONE 2 CHANGE? **NO** YES

Relock on Zone 2 Change

Select **NO** to leave the relay on for the door access time when Zone 2 restores.

Select **YES** to turn the 734/734N/734N-POE relay off and relock the door when Zone 2 changes state. The default is **NO**.

ACTIVATE ZONE 3 REX? **NO** YES

Activate Zone 3 Request to Exit

Select **YES** to activate the Zone 3 Request to Exit (REX) option.

Selecting **NO** allows standard zone operation on Zone 3 and displays the ACTIVATE ONBOARD SPEAKER option. Default setting is **NO**.

Optionally, you can connect a PIR (or other motion sensing device) or a mechanical switch to Zone 3 to provide REX capability to the system. When Zone 3 shorts, the onboard Form C relay activates for the programmed number of seconds. During this time, the user can open the protected door to start the programmed bypass entry/exit timer. After the programmed number of seconds, the relay restores the door to its locked state.

The 734/734N/734N-POE module provides a bypass-only option for REX on Zone 3. When Zone 3 opens from a normal state, only a bypass occurs; the onboard relay does not activate. This bypass-only option uses two methods of REX:

- The first REX device provides the programmed Bypass entry/exit timer.
- The second REX device, or manual device such as a door knob, unlocks the door.

An example of the bypass-only configuration is a door to an office that is locked 24 hours a day. Users pass a REX motion detector positioned by the door to begin the programmed exit timer. Within the programmed number of seconds, the user then manually activates a second device, such as a REX device or manual door knob, to unlock the door. If the door is opened after the programmed number of seconds, the zone goes into alarm.

ZN 3 REX STRIKE TIME: **5**

Zone 3 REX Strike Time

Enter the number of REX seconds to elapse. Range is from **5 to 250** seconds. Press any select key or area to enter the number of seconds. The default is **5 seconds**.

ACTIVATE ONBOARD SPEAKER? **NO** YES

Activate Onboard Speaker

Select **YES** to enable the onboard piezo speaker for local annunciation. Select **NO** to turn the piezo off for all operations. This does not affect remote annunciator open collector (RA) operation. The default is **NO**.

CARD OPTIONS DMP CUSTOM ANY

Card Options

Select **DMP** to allow only the DMP card format for access. The menu advances to REQUIRE SITE CODE.

Select **CUSTOM** to disable DMP format and program slots 1-8 as needed. The format that is programmed into slot 1 is the default format. In the event that a card with an unrecognized format is programmed when adding a credential, that card is read in the format that is programmed in slot 1. To restrict card reads to specific formats, only program slots 2-8.

Select **ANY** to allow all Wiegand card reads to activate the door strike relay. The relay is activated for the length of time programmed in ZN 3 REX TIME. No user code information is sent to the panel. The menu advances to NO COMM WITH PNL.

REQUIRE SITE CODE: NO YES

Require Site Code (If Card Format is Set to DMP)

Press the select key or area under YES to use a site code.

In addition to User Code verification, door access is only granted when any one site code programmed at the SITE CODE ENTRY option matches the site code received in the Wiegand string.

NO COMM WITH PNL
OFF SITE ANY ON

No Communication with Panel

This option defines the relay action when communication with the panel has not occurred for approximately ten seconds. Press any select key or area to display relay action options. Press the Back Arrow key to return to NO OF USER CODE DIGITS:. Choose the required action:

NO COMM WITH PNL
OFF

OFF [Default] (Relay Always Off): The relay does not turn on when any Wiegand string is received. Off does not affect any REX operation.

NO COMM WITH PNL
SITE

SITE (Accept Site Code): Door access is granted when the Wiegand site code string received matches any site code programmed at SITE CODE ENTRY. For more details, refer to the REQUIRE SITE CODE option.

NO COMM WITH PNL
ANY

ANY (Any Wiegand Read): Door access is granted when any Wiegand string is received.

NO COMM WITH PNL
ON

ON (Relay Always On): The relay is always on.

Press **CMD** to display the next action.

NO COMM WITH PNL
LAST

LAST (Keep Last State): The relay remains in the same state and does not change when communication is lost.

After choosing the action, the NO COMM WITH PNL option and the newly defined action display. Programming is now complete. Press **CMD** to display DEVICE NO.

REMOTE OPTIONS

REMOTE OPTIONS

Remote Options

This section allows you to enter the information needed for Remote Command/Remote Programming operation.

REMOTE KEY

Remote Key

This option allows you to enter a code of up to 16 characters. Remote Link™ and Dealer Admin should be given the correct key to the panel before being allowed any remote functions. All panels are shipped from the factory with the key preset as blank. This can be an optional or required setting.

To enter a remote key or change the current one, press a select key or area and enter any combination of up to 16 digits. Press **CMD**. The current key displays as asterisks.

REMOTE DISARM?
NO **YES**

Remote Disarm

Select **YES** to allow the panel to be disarmed remotely. Select **NO** to disable remote disarming. Default is **YES**.

ARMED ANSWER
RINGS: **8**

Armed Answer Rings

Enter the number of rings the panel counts before answering the phone line when all system areas are armed. Any number from **0 to 15** can be entered. If 0 (zero) is entered, the panel does not answer the phone when all system areas are armed. The default is **8**.

DISARMED ANSWER
RINGS: **8**

Disarmed Answer Rings

Enter the number of rings the panel counts before answering the phone line while any system areas are disarmed. Any number from **0 to 15** can be entered. If 0 (zero) is entered, the panel does not answer the phone when any system area is disarmed. The default number is **8**.

PC MODEM NO YES

PC Modem

Select **YES** to allow the panel to answer the telco link and connect with Remote Link™ through the PC Modem at 2400 baud. Select **NO** to disable PC Modem communication.

ALR RCVR **NO** YES

Alarm Receiver Authorization

Select **YES** to enable remote commands and programming to be accepted from the alarm SCS-1R Receiver. The Remote Key option can also be required.

When YES is selected, the panel requests the receiver key during its first communication with the first SCS-1R Receiver. The panel retains the alarm receiver key in memory and allows remote commands to be accepted from the alarm receiver. If an alarm occurs during a remote connect, the alarm report is immediately sent to this receiver only.

When **NO** is selected, remote commands and programming are not accepted from the alarm SCS-1R Receiver. Default is **NO**.

SVC RCVR NO **YES**

Service Receiver Authorization

Select **YES** for remote commands and programming to be accepted from a secondary service receiver other than the alarm SCS-1R Receiver. The Remote Key option can also be required.

When YES is selected, the panel requests the service receiver key the first time it is contacted by the service receiver. The panel retains this service receiver key in memory and accepts remote commands from the service receiver.

If an alarm occurs during a remote connect, the panel disconnects from the service receiver and calls the alarm receiver. Alarm reports are only sent to the alarm receiver. It is important that the alarm receiver key and the service receiver key programmed at the monitoring center are NOT the same so the panel can determine the difference between receivers.

When **NO** is selected remote commands and programming are not accepted from a secondary service receiver. Default is **YES**.

MANUFACTURER
AUTH? **NO** YES

Manufacturer Authorization

Select **YES** to allow DMP Technical Support technicians to access the panel during system service or troubleshooting. This authorization automatically expires within one hour. Default is **NO**.

DMP remote service is provided on a read only basis. DMP technicians can look at the system programming and make suggestions only. Alterations can only be accomplished by installing company service personnel.

ALLOW NETWORK
REMOTE? NO **YES**

Allow Network Remote

This option displays only if the panel has network capability. **YES** allows remote programming over the network. Changing this option does not change any other network programming options. Default is **YES**.

NETWORK PROG
PORT: **2001**

Network Programming Port

Enter the programming port number. The programming port identifies the port used to communicate messages to the panel. The default Programming Port setting is **2001**.

ENCRYPT NETWORK
REMOTE? **NO** YES

Encrypt Network Remote

YES encrypts data sent over network. Default is **NO**.

ALLOW CELL
REMOTE? NO **YES**

Allow Cellular Remote

YES allows remote programming using cellular connection. Default is **YES**.

FIRST GPRS APN:
SECURECOM400
-

APN

Enter the first APN (Access Point Name). This allows an access point for cellular communication and is used to connect to a DNS network. The APN may contain two lines of 16 characters that are equal up to 32 characters. Default is set to **SECURECOM400**.

ENCRYPT CELL
REMOTE? NO **YES**

Encrypt Cellular Remote

YES encrypts data sent over a cellular connection. Default is **NO**.

ENTRE
CONNECTION: **NONE**

Entré Connection

This option displays if the panel has network or cellular capability. Select **NET** to allow a dedicated network connection with Entré. Options are NONE, NET, or CELL. Default is **NONE**.

ENTRE INCOMING
TCP PORT: **2011**

Entré Incoming TCP Port

This option displays only if NET is chosen for the Entré connection. Enter the programming port number for the incoming Entré connection. The programming port identifies the port used to communicate messages to and from the Entré software. This port cannot be the same port as programmed in Network Programming Port. The default Programming Port setting is **2011**.

ENTRE IP

Entré IP Address

This option displays only if NET is chosen for the Entré connection. Enter the Entré IP address where the panel sends network messages. The Entré IP Address should be unique and cannot be duplicated on the network. Enter all 12 digits and leave out the periods. For example, enter IP address 192.168.0.250 as 192168000250. The periods display automatically.

ENTRE OUTBOUND
TCP PORT: **2001**

Entré Outbound TCP Port

This option displays only if NET is chosen for the Entré connection. Enter the programming port number for the outbound Entré connection. The programming port identifies the port used to communicate messages to the Entré software. Default is **2001**.

ENTRE BACKUP
NONE NET CEL

Entré Backup Connection

This option displays if NET or CEL is chosen for the Entré connection. Enter the backup address where the panel sends network messages if the first Entré connection fails. The Entré connection should be unique and cannot be duplicated on the network. If the backup connection is NET, enter all 12 digits and leave out the periods. The periods display automatically.

ENTRE BACKUP TCP
PORT: **2001**

Entré Backup TCP Port

This option displays only if NET or CELL is chosen for the Entré connection. Enter the backup programming port number for the outbound Entré connection in case the connection to the primary IP fails. Default is **2001**.

ENTRE REPORTS
000.000.000.000

Entré Reports

This option displays only if NET is chosen for the Entré connection. Choose which types of system reports are sent to Entré. Press **CMD** to view all of the Entré report options. Select **YES** to enable arming/disarming, zone, user code, door access, or supervisory message reports. All Entré reports default to **YES**.

ARM/DIS **NO** YES

Arm and Disarm Reports

Select **YES** to allow the panel to send arming, disarming and Late to Close events, including the area number, name and action, the user number and name, and the time and date. Default is **NO**.

ZONE: **NO** YES

Zone Reports

Select **YES** to allow the panel to send changes in the status of active zones, including the zone number, name, type, the action (alarm, trouble, bypass, etc.), user number (if applicable), and area name. If performing a Walk Test, Zone Verify and Zone Fail messages are sent for each zone. Default is **NO**.

USER CMDS **NO** YES

User Command Reports

Select **YES** to allow the panel to send user code changes, schedule changes, and door access denied events. Default is **NO**.

DOOR ACS: **NO** YES

Door Access Reports

Select **YES** to allow the panel to send door access activity: door number, user number and name, and time and date. Default is **NO**.

SUPV MSG: **NO** YES

Supervisory Reports

Select **YES** to allow the panel to send system monitor reports, such as AC and battery, and system event reports. Supervisory Reports also sends the following reports:

- Abort
- Exit Error
- Ambush
- System Recently Armed
- Alarm Bell Silenced
- Unauthorized Entry
- Late to Close

Note: Late to Close is only sent as a Supervisory Report if **Area Schedules** is not enabled, **Closing Check** is enabled, and an opening/closing schedule has been programmed.

To send these reports to the PC Log, enable **SUPV MSG**.

VIDEO: **NO** YES

Video Reports

Select **YES** to allow the panel to send video system reports to Entré when an OpenEye® event message has been received from a camera. Default is **NO**.

ENTRE CHECKIN
MINUTES: **0**

Entré Checkin

Select the rate that check-in messages are sent over the Entré connection. Select **0** (zero) to disable check in messages. Range is **0, 3 to 240** minutes. Default is **0**.

ENTRE PASSPHRASE
-

Entré Passphrase

To enable encryption, enter an 8 to 16-character passphrase using alphanumeric characters. If you leave the passphrase blank, the panel communicates with Entré but the data is not encrypted. The passphrase is **BLANK** by default.

INTEGRATOR
CONNECTION: **NONE**

Integrator Connection

This option displays if the panel has network or cellular capability. Select **NET** to allow a dedicated network connection with the integrator. Options are NONE, NET, or CELL. Default is **NONE**.

INTGRTR INCOMING
TCP PORT: **8011**

Integrator Incoming TCP Port

This option displays only if NET is chosen for the integrator connection. Enter the programming port number for the incoming connection. The programming port identifies the port used to communicate messages to and from the integrator software. This port cannot be the same port as programmed in Network Programming Port. The default Programming Port setting is **8011**.

INTEGRATOR IP
000.000.000.000

Integrator IP Address

This option displays only if NET is chosen for the integrator connection. Enter the integrator IP address where the panel sends network messages. The integrator IP Address should be unique and cannot be duplicated on the network. The periods display automatically. Default is **0.0.0.0.**

INTGRTR OUTBOUND
TCP PORT: **8001**

Integrator Outbound TCP Port

This option displays only if NET is chosen for the integrator connection. Enter the programming port number for the outbound connection. The programming port identifies the port used to communicate messages to the integrator software. Default is **8001**.

INTGRTR BACKUP IP
NONE NET CELL

Integrator Backup Connection

This option displays if NET or CELL is chosen for the integrator connection. Enter the backup address where the panel sends network messages if the first integrator connection fails. The connection should be unique and cannot be duplicated on the network. If the backup connection is NET, enter all 12 digits and leave out the periods. For example, enter IP address 192.168.0.250 as 192168000250. The periods display automatically. Default is **0.0.0.0.**

INTGRTR BKUP TCP
PORT: **8001**

Integrator Backup TCP Port

This option displays only if NET is chosen for the integrator connection. Enter the backup programming port number for the outbound connection in case the connection to the primary IP fails. Default is **8001**.

INTGRTR REPORTS

Integrator Reports

This option displays only if NET is chosen for the integrator connection. Choose which types of system reports are sent to the integrator. Press **CMD** to view all of the integrator report options. Select **YES** to enable arming/disarming, zone, user code, door access, or supervisory message reports. All reports default to **YES**.

ARM/DIS **NO** YES

Arm and Disarm Reports

Select **YES** to allow the panel to send arming, disarming and Late to Close events, including the area number, name and action, the user number and name, and the time and date. Default is **NO**.

ZONE: **NO** YES

Zone Reports

Select **YES** to allow the panel to send changes in the status of active zones, including the zone number, name, type, the action (alarm, trouble, bypass, etc.), user number (if applicable), and area name. If performing a Walk Test, Zone Verify and Zone Fail messages are sent for each zone. Default is **NO**.

USR CMDS: **NO** YES

User Command Reports

Select **YES** to allow the panel to send user code changes, schedule changes, and door access denied events. Default is **NO**.

DOOR ACS: **NO** YES

Door Access Reports

Select **YES** to allow the panel to send door access activity: door number, user number and name, and time and date. Default is **NO**.

SUPV MSG: **NO** YES

Supervisory Reports

Select **YES** to allow the panel to send system monitor reports, such as AC and battery, and system event reports. Supervisory Reports also sends the following reports:

- Abort
- Exit Error
- Ambush
- System Recently Armed
- Alarm Bell Silenced
- Unauthorized Entry
- Late to Close

Note: Late to Close is only sent as a Supervisory Report if **Area Schedules** is not enabled, **Closing Check** is enabled, and an opening/closing schedule has been programmed.

To send these reports to the PC Log, enable **SUPV MSG**.

INTGRTR PASSPHRASE
-

Integrator Passphrase

To enable encryption, enter an 8 to 16-character Passphrase using alphanumeric characters. If you leave the passphrase blank, the panel communicates with the integrator but the data is not encrypted. The passphrase is **blank** by default.

SEND LOCAL CHANGES? **NO**

Send Local Changes

This option allows the panel to automatically update Remote Link™ at the monitoring center with any changes made to the panel.

SEND LOCAL
NO NET DD

Select **NET** or **DD** to send local programming changes or User Menu changes to user codes, user profiles, schedules, or holiday dates to Remote Link™ after exiting the programming or User Menu. If NET is selected, changes are sent using Network. If DD is selected, changes are sent using Dialer. Default is **NO** to disable this feature.

REMOTE CHANGE IP
000.000.000.000

Remote Change IP

This option displays when NET is selected for Send Local Changes. Enter the IP address containing up to 12 digits. The Net IP Address should be unique and cannot be duplicated on the network. Enter all 12 digits and leave out the periods. Default is **0.0.0.0.**

REMOTE CHANGE PORT: **2002**

Remote Change Port

This option displays when NET is selected for Send Local Changes. Enter the Port number. Valid numbers are from **0 to 65535**. Default is **2002**.

REMOTE PHONE NO.
-
-

Remote Telephone Number

This option displays when DD is selected for Send Local Changes. Press **CMD** to enter the phone number the panel dials when sending programming changes. After entering a phone number, the panel sends any panel changes to Remote Link™.

The phone number can have two lines of 16 characters each that equal up to 32 characters. Enter a **P** to program a two second pause in the dialing sequence. The P character counts as part of the 32 allowable characters. Enter ***70P** as the string first characters to cancel call waiting. Dial tone detect is an automatic panel function.

APP KEY:

App Key

Enter the 8-digit App Key obtained in your Dealer Settings tab at dealer.securecomwireless.com.

This option is a security feature of the Virtual Keypad iPhone/Android App used only when your Dealer Settings at dealer.securecomwireless.com have EASYconnect set as the Communication Type.

This communication option is only available for panels with onboard network and is used to eliminate the need for a static IP address programmed in Network Options. To enter a new App Key, press any select key or area and enter any combination of 8 digits. Press **CMD**.

SYSTEM REPORTS

SYSTEM REPORTS

System Reports
Select specific system reports the panel sends to the receiver.

ABORT **NO** YES

Abort Report
Select **YES** to allow the panel to send an alarm abort report to the receiver any time an area is disarmed during Transmit Delay before an alarm report is sent and the Bell Cutoff Time has not expired. After disarming an area, if any other area remains armed and has zone(s) in alarm, the alarm abort report is not sent. Abort Reports are not sent for Fire, Fire Verify, or Supervisory type zones. Default is **NO**.

RESTORAL: **YES**

Restoral Reports
This option allows you to control when and if a zone restoral report is sent to the central station receiver. Press any select key or area to display the following options:

NO YES DISARM

Select **NO** to disable the zone restoral report option. Zones continue to operate normally but do not send restoral reports to the receiver.

Select **YES** to enable the zone restoral report option. Zone restorals are sent whenever a zone restores from a trouble or alarm condition.

Select **DISARM** for the panel to send restoral reports for a non-24-hour zone whenever a zone that has restored from a trouble or alarm condition is disarmed. All 24-hour zones send restoral reports as they restore.

BYPASS NO **YES**

Bypass Reports
Select **YES** to allow the panel to send all zone bypasses, resets, and force arm reports to the receiver. Default is **YES**. The bypass report includes the zone number, zone name, and the user name and number of the individual operating the system. Reports are only sent if O/C User in Communications is set to YES for Receiver 1 or Receiver 2.

SCHD CHG NO **YES**

Schedule Change Reports
Select **YES** to allow the panel to send all schedule changes to the receiver. The report includes the day, opening time, closing time, extend schedule time, and the user name and number of the individual making the change. Default is **YES**.

CODE CHG NO **YES**

Code Change Reports
Select **YES** to allow the panel to send all code additions, changes, and deletions to the receiver. Default is **YES**. The code change report includes the user name and number added or deleted, and the user name and number of the individual making the change. Reports are only sent if O/C User in Communications is set to YES for Receiver 1 or Receiver 2.

ACCESS KEYPADS

Access Keypads
Select the keypad addresses that send door access reports to the receiver. Valid range is 1 through 16. Enter the keypad number using the digit keys. An asterisk next to the number indicates that the keypad is selected. Press **CMD** to display the next set of keypads.

A report is sent for each door access enabled in the selected keypads. Keypads at addresses not selected still operate the door relay but do not send access reports. The report includes the user number, user name, keypad address, and device name.

AMBUSH **NO** YES

Ambush
Select **YES** to allow an ambush report to be sent anytime user code number 1 is entered at a keypad. Select **NO** to disable the ambush report and allow user number 1 to operate the same as all other codes. Default is **NO**.

LATE TO OPEN
MINUTES: **0**

Late To Open
Enter **1-240** as the number of minutes to elapse for the system to remain armed after the opening time of a schedule, without sending a Late To Open message. If the system continues to be armed after the Late to Open minutes expire, a Late To Open message is sent to the monitoring center. Default is **0**, which disables the Late To Open option.

EARLY TO CLOSE MINUTES: **0**

Early To Close

Enter **1-240** as the number of minutes that the system can be armed prior to the scheduled closing time. If the system is armed prior to the Early to Close minutes, an Early To Close message is sent to the monitoring center. Default is **0**, which disables the Early to Close option.

VIDEO: **NO** YES

Video Reports

Select **YES** to allow the panel to send video system reports when an OpenEye event message has been received from a camera. Default is **NO**.

SYSTEM OPTIONS

SYSTEM OPTIONS

System Options

This section allows you to select system-wide parameters.

SYSTEM: AREA

System

This option allows you to program how the areas operate for arming and disarming. The system types include the following options:

AREA A/P H/A GST

AREA: All 32 areas can be programmed and operated independently.

ALL/PERIMETER: Area 1 is the Perimeter and Area 2 is the Interior.

HOME/SLEEP/AWAY: Area 1 is the Perimeter, Area 2 is the Interior, and Area 3 is the Bedrooms. With the HOME/SLEEP/AWAY option, the user can do the following actions:

- Select HOME to arm just the perimeter.
- Select SLEEP to arm the perimeter and interior (non bedroom areas).
- Select AWAY to arm all three areas.

A Home/Sleep/Away system can be configured to use all three areas or only use the Home and Away areas.

HOME/SLEEP/AWAY WITH GUEST: This allows the alarm system to be divided into a main house HOME/SLEEP/AWAY system and two other guest houses to be set up as HOME/SLEEP/AWAY systems.

Areas 1, 2, and 3 are the Perimeter, Interior, and Bedrooms for the main house system. Areas 4, 5, and 6 are the Perimeter, Interior, and Bedrooms for the Guest 1 house system. Areas 7, 8, and 9 are the Perimeter, Interior, and Bedrooms for the Guest 2 house system. These areas are automatically assigned per system and cannot be changed. See *Display Areas* in Device Setup to assign keypads to a system. Zones are assigned to a system by assigning the system's area numbers to the zone in Zone Information programming.

When All/Perimeter or Home/Sleep/Away is selected, the area names are automatically assigned and cannot be modified.

Areas 3-32 in an All/Perimeter system, areas 4-32 in a Home/Sleep/Away system, and areas 9-32 in a Home/Sleep/Away with Guest system are not available for use and are initialized.

INST ARM **NO** YES

Instant Arming

When **YES** is selected, the arming keypad displays INSTANT for selection during the exit countdown delay when arming fewer than all areas of the system. At the time instant arming is selected, any entry and exit delays programmed for the areas being armed are ignored. The entry delay for previously armed areas is not affected by instant arming. When **NO** is selected, INSTANT does not display during arming. Default is **NO** for an Area System, and **YES** for an All/Perimeter or Home/Sleep/Away system.

CLS WAIT **NO** YES

Closing Wait

When **YES** is selected, the keypad displays ONE MOMENT... while waiting for an acknowledgement from the receiver before arming the selected area(s) and performing a Bell Test (if selected). Exit delays begin after the Closing Wait. Select **YES** for Opening/Closing reports to enable Closing Wait.

ENTRY DLY 1: 30
ENTRY DLY 2: 60
ENTRY DLY 3: 90
ENTRY DLY 4: 120

Entry Delay 1

Enter the Entry Delay time for all Exit type zones programmed to use Entry Delay 1. When an armed Exit type zone is faulted, the keypad prewarn tone sounds. All keypads programmed to prewarn for that zone display ENTER CODE:- and the name of the zone causing the entry delay. Entry Delay times can be from **30 to 250** seconds. Repeat the above steps for each entry delay being used in the system. For UL Installations, the combined Transmit Delay (Abort Window) and Entry Delay cannot exceed one (1) minute.

CRS ZONE TM: **4**

Cross Zone Time

Enter the time allowed between zone faults. When zones are cross zoned, the same zone or a second cross zoned zone should fault within this time for an alarm report for both zones to send to the receiver. If the cross zone time expires without the second zone faulting, only a zone fault from the first zone is reported. Cross-zone time can be set to **4 to 250** seconds. Entering **0** (zero) disables this function. Default is **4**.

RETARD DELAY: **10**

Zone Retard Delay

Enter the retard time assigned to Fire, Supervisory, Auxiliary 1, Auxiliary 2, Arming, and Panic type zones. The retard delay only functions when the zone is shorted. The zone should remain shorted for the entire length of the Retard Delay before being recognized by the panel. The Zone Retard Delay can be set to **1 to 250** seconds. Entering a **0** (zero) disables this function. Default is **10** seconds.

PWR FAIL HRS: **1**

Power Fail Delay

This option tracks the duration of an AC power failure. When the AC power is off for the length of the programmed delay time, an AC power failure report is sent to the receiver. The delay time can be from **1 to 15** hours. Entering a **0** (zero) sends the power failure report after a 15-second delay. Default is **1**.

SWGRBYPS TRIPS: **2**

Swinger Bypass Trips

Enter the number of times a zone can go into an alarm or trouble condition within one hour before being automatically bypassed. Valid range is **1 to 6**. Bypassed zones are automatically reset when the area they are assigned to is disarmed. All 24-hour zones are reset when any area of the system is disarmed. Entering **0** (zero) disables this function. Default is **2**. A Bypass Report is sent to the receiver if Bypass Reports is YES.

RST SBYP **NO** YES

Reset Swinger Bypass

When **YES** is selected, an automatically bypassed zone is reset if it remains in a normal condition for one complete hour after being bypassed. A report of the automatic reset is sent to the receiver if Bypass Reports has been selected as YES. Default is **NO**.

ZN ACTY HRS: 0

Zone Activity Hours

This option provides supervision of a person living alone for non-activity. Enter the number of hours, **0 to 9**, allowed to elapse without a disarmed zone being tripped before a message is sent to the receiver. Default is **0** (zero).

When the system is disarmed, the timer begins to countdown the number of hours programmed. Each time activity occurs, the timer restarts the countdown. Before the countdown time expires, the keypad sounds a tone and PRESS ANY KEY displays to allow the user to restart the activity timer. The duration of the tone is the number of seconds programmed for Entry Delay 2. Select the SUPV/TRBL receiver option in Communication programming to send S93 ALARM: User Activity Not Detected, S94 Alert: Activity Check Enabled, and S95 Alert: Activity Check Disabled messages.

REQUEST TIME CHG
NO **SCS** SCW

Time Zone Changes

This option allows the panel to request automatic time changes from SecureCom Wireless® or the DMP SCS-1R or SCS-VR Receiver on Path 1. For the SCS receiver to send time changes, program it to send time changes and receive time change updates from the network automation computer at least every 24 hours. The default is **SCS**.

Select **NO** to not request time changes.

Select **SCS** to request time changes from the SCS-1R or SCS-VR Receiver.

Select **SCW** to request time changes from SecureCom Wireless.

DST? NO **YES**

This option only displays if you selected SCW. The default is YES.

Select **NO** to not observe daylight saving time.

Select **YES** to observe daylight saving time.

HRS FROM GMT: **6**

When time zone is programmed to **YES**, enter the number from **0-23** that indicates the difference between the Greenwich Mean Time (GMT) and where the panel is located. The default is **6**.

GMT	CITY/TIME ZONE
0	London, Monrovia, Lisbon, Dublin, Casablanca, Edinburgh
1	Cape Verde Island, Azores
2	Mid-Atlantic, Fernando de Noronha
3	Buenos Aires, Georgetown, Brasilia, Rio de Janeiro
4	Atlantic Time (Canada), Caracas, La Paz, Santiago
5	Eastern Time (US, Canada) Bogota, Lima, Arequipa
6	Central Time (US, Canada), Mexico City, Saskatchewan
7	Mountain Time (US, Canada), Edmonton
8	Pacific Time (US, Canada), Tijuana
9	Alaska
10	Hawaii
11	Midway Island, Samoa
12	Fiji, Marshall Island, Wellington, Auckland, Kwajalein, Kamchatka
13	New Cadelonia
14	Guam, Sydney
15	Tokyo, Seoul
16	Hong Kong, Singapore
17	Bangkok, Hanoi
18	Dhaka, Almaty
19	Islamabad, Karachi
20	Abu Dhabi, Kazan
21	Moscow, Bagdad
22	Eastern Europe
23	Rome, Paris, Berlin

Note: Arizona, Hawaii, American Samoa, Guam, Puerto Rico, and the Virgin Islands do not observe daylight savings time.

LATCH SV NO **YES**

Latch Supervisory Zones

Select **YES** to latch supervisory zone alarms on the keypad display until the sensor reset operation is performed. Select **NO** to automatically clear the alarm from the keypad display when the supervisory zone restores to a normal condition. Default is **YES**.

PROG LANGUAGE

Programming Menu Language

Press **CMD** to select the programming language.

PRI LANG: **ENGLISH**

The current primary programming language displays. The default language is **ENGLISH**. Press a select key to change the primary programming language.

Select the primary programming language:

ENG = English (ENGLISH)
SPN = Spanish (ESPANOL)
FRN = French (FRANCAIS)
CZE = Czech (CESKY)
GRE = Greek (ΕΛΛΗΝΙΚΑ)
DUT = Dutch (NEDER)

SEC LANG: **NONE**

The current secondary programming language displays. Selecting a secondary language allows the installer to view programming in English, Spanish, or French. When the Programming Menu is accessed, the installer is prompted to choose the programming display language. If SEC LANG: is set to NONE, the option to choose a language does not display. To select a secondary language, press the select key or area below the language. Default is **NONE**.

Select the secondary programming language.

NONE = No secondary language options are displayed
ENG = English (ENGLISH)
SPN = Spanish (ESPANOL)
FRN = French (FRANCAIS)
CZE = Czech (CESKY)
GRE = Greek (Ελληνικά)
DUT = Dutch (NEDER)

USER LANGUAGE
PRI LANG: **ENGLISH**

User Menu and Status List Language

Press **CMD** to select User Language.

The current primary user language displays. The default language is English. Press any select key or area to change the primary User language.

Select the primary user language.

ENG = English (ENGLISH)
SPN = Spanish (ESPANOL)
FRN = French (FRANCAIS)
CZE = Czech (CESKY)
GRE = Greek (Ελληνικά)
DUT = Dutch (NEDER)

SEC LANG: **NONE**

The current secondary user language displays. Selecting a secondary user language allows the user to view the User Menu and Status List text in English, Spanish, or French. When the User Menu is accessed, the user is prompted to choose the display language. Status List text displays in the selected language until another language is chosen. If SEC LANG: is set to NONE, the option to choose a language does not display. To select a secondary language, press the select key or area below the language. Default is **NONE**.

Select the secondary user language:

NONE = No secondary language options are displayed
ENG = English (ENGLISH)
SPN = Spanish (ESPANOL)
FRN = French (FRANCAIS)
CZE = Czech (CESKY)
GRE = Greek (Ελληνικά)
DUT = Dutch (NEDER)

BYPASS LIMIT **0**

Bypass Limit

Enter the maximum number of zones from **0 to 8** that can be bypassed in any single area when that area is being armed at a keypad. If more zones than the limit are in a non-normal state or already bypassed at arming, arming does not occur and Arming Stopped displays. The bypass limit does not affect auto arming, keyswitch arming, or remote arming. Entering **0** (zero) allows no limit. Default is **0** (zero).

WIRELESS
HOUSE CODE: **0**

House Code

When using a DMP wireless system, enter a house code between **1 and 50**. Default is **0**, indicating no wireless system is being used. The DMP house code identifies the panel, DMP receiver, and DMP transmitters to each other. The DMP receiver listens for transmissions that have the programmed house code and transmitter serial number. The transmitters may take up to two minutes to learn the new house code and continue operation.

1100 ENCRYPTION
ALL BOTH **NONE**

Wireless Encryption

Encryption allows the panel to communicate with encrypted 1100 Series wireless devices. Select **ALL** to allow encryption for all the wireless devices programmed into the panel. Select **BOTH** to allow encryption for selected wireless devices programmed into the panel. Select **NONE** to don't allow encryption for wireless devices programmed into the panel. The default is **NONE**.

1100 PASSPHRASE
****

Enter Passphrase

ENTER PASSPHRASE displays if you select ALL or BOTH for wireless encryption. In order for the panel to support encrypted 1100 Series wireless devices, enter a passphrase. The passphrase is an 8-digit hexadecimal number that determines the system's encryption key.

DETECT WIRELESS
JAMMING: **NO** YES

Detect Wireless Jamming

This option displays when the House Code from **1 to 50** entered is for a DMP 1100 Series Wireless system. When enabled and the wireless receiver detects jamming, a jammed trouble (when disarmed) or jammed alarm (when armed) message displays in the Status List and is sent to the monitoring center receiver. Select **YES** to enable jamming messages to display in the Status List. Select **NO** to disable jamming messages. Default is **NO**.

TRBL AUDIBLE: **DAY**

Trouble Audible Annunciation

This option allows you to choose when trouble audibles annunciate from the keypad. This also includes AC Trouble for Fire Keypads, Battery Trouble, Panel Tamper, and other System Troubles.

Press any top row key to select the keypad buzzer annunciation method for wireless low battery and missing messages. Select **ANY** to enable annunciation anytime. Select **DAY** to enable annunciation except during sleeping hours (9 PM to 9 AM). Select **MIN** (minimum) to annunciate only Fire, Fire Verify, and Supervisory zones during daytime hours (9 AM to 9 PM). Default is **DAY**

KEYPAD PANIC KEYS
ENABLED: NO **YES**

Enable Keypad Panic Keys

This option allows the panic key operation selected at the keypad to send the Panic, Emergency, or Fire message to the central station receiver. Select **YES** to enable the two-button panic operation to operate. To disable the panic operation, select **NO**. Default is **YES**.

OCCUPIED
PREMISES: NO **YES**

Occupied Premises

For All/Perimeter or Home/Sleep/Away systems, select **YES** to allow the panel to automatically disarm the interior area(s) when arming all areas and a perimeter zone is not tripped during the exit delay. For Area Systems, select **NO** to prevent the Exit Delay from restarting.

This False Alarm Reduction feature prevents a user from arming the entire system when they do not exit and remain in the premises. Select **NO** to disable this feature. Default is **YES**.

With a Home/Sleep/Away with Guest arming system, this feature only applies to the main system.

ENHANCED ZONE TEST: **NO** YES

Enhanced Zone Test

Select **YES** to allow enhanced zone test operation for Walk Test (8144), Panic Test, and Burglary Zone Test in the User Menu. The default is **NO**.

Enhanced operation enables the following options:

- A Verify message sends each time a zone is tested. If a zone is tripped multiple times, a Verify message is sent for each trip. This allows the monitoring center to record the number of devices per zone.
- The Verify message for each zone test is sent each time the trip occurs instead of at the end of Walk Test.
- The System Test Begin and System Test End Central Station messages indicate the type of zone being tested. The System Test Begin message also includes the user name and number.

SEND 16 CHAR NAMES: NO **YES**

Send 16 Character Names

This option allows monitoring centers to select being sent the first 16 characters of the name field or the entire programmed name, up to 32 characters, for user name, user profile, zone name, zone location, area name, output name, and group name.

Select **YES** to have the first 16 characters of the name field sent to the monitoring center. Select **NO** to send the exact number of characters entered in the name field from 1 up to the maximum of 32 characters. Default is **YES**.

Before using names longer than 16 characters, determine whether the Host Automation System of your monitoring center can accept 17 to 32 character names. If not, only use 16 character names.

KEYPAD ARMED LED ANY **ALL**

Keypad Armed LED

This option displays only when using an Area system. Press any top row key to select the operation of the Armed LED on the keypad. Select **ALL** to require all keypad display areas to arm before the keypad Armed LED turns on. Select **ANY** to turn on the keypad Armed LED when any keypad display area is armed. Default is **ALL**.

USE FALSE ALARM QUESTION NO **YES**

Use False Alarm Question

This option allows users to investigate a burglary alarm prior to disarming the system and send an Alarm Verified or Alarm Cancelled message to the monitoring center.

Select **YES** to display IS THIS A FALSE ALARM? NO YES when a burglar alarm occurs. Select **NO** to display CANCEL VERIFY. Default is **YES**.

When a burglar alarm occurs in an area system and a user code is entered at a keypad Status List, keypads programmed as KPD in Device Setup display IS THIS A FALSE ALARM? NO YES or CANCEL VERIFY. The option is not displayed at devices programmed as DOOR. Selecting NO or Verify sends an alarm message to the monitoring center. Selecting YES or CANCEL sends an alarm cancelled message to the monitoring center and disarms the areas that the user has the authority to disarm. This display remains on the keypad until a selection is made, the Back Arrow is pressed, or the internal system bell cutoff timer expires.

ALLOW OWN USER CODE CHG? **NO** YES

Allow Own User Code Change

This option allows users without user code authority to change their own user code. When **YES** is selected, the User Code menu displays USER CODE: ***** at the keypad to allow that user to change their own code. If **NO** is selected, the user cannot change their personal user code. Default is **NO**.

PANIC SUPERVISION
NO YES

Panic Supervision

Select **YES** to enable a 30 day supervision of the Model 1145-1-B-PSV key fob. Default is **NO**.

This option allows a key fob that is lost or has a dead battery to be identified at the monitoring center host automation system as a missing transmitter, without the need to apply a supervision time in zone information programming. A supervision message is automatically sent from the key fob to SCS-VR every four hours, resetting the 30 day countdown timer for that key fob serial number. If the 30 day timer expires for a key fob serial number, SCS-VR generates a zone missing message to the host automation system.

ENTER WEATHER
ZIP CODE: **0**

Weather Zip Code

This option allows local U.S.A. weather updates to display on the keypad. Enter the zip code of the user at this option. When no number is entered weather conditions are not displayed. Default is **0** (zero).

If using a 7800 Series keypad, the current weather conditions and the next day's forecast display as graphics on the Main Screen. All other DMP keypads display the weather information in the Status List.

EOL VALUE: **1K**

EOL Selection

Select the resistance value in kOhms that the system will expect for end of line resistors. Values can be set at either 1k or 2.2k. This adjusts the voltage threshold used to determine open, short, or normal zone conditions for zones 1-8 on XR Series panels. Default is **1k**.

Zones 9-10 on XR Series panels are defaulted to 3.3k.

CELSIUS: **NO** YES

Celsius Temperature Option

This option determines whether the panel should use Celsius Units for sending temperatures to Z-Wave thermostats. The default is **NO**.

BELL OPTIONS

BELL OPTIONS

Bell Options
This section allows you to program the panel bell output functions.

BELL CUTOFF: **15**

Bell Cutoff Time
Enter the maximum time from **1 to 99** minutes that the Panel Bell and the Bell Output remain on. If the area is disarmed, the cutoff time resets. Enter **0** (zero) to provide continuous bell output. The default is **15 minutes**. To support the Cancel Verify feature on an All/Perimeter or Home/Sleep/Away system, set the Bell Cutoff Time to greater than 0.

BELL TST **NO** YES

Automatic Bell Test
Select **YES** to turn on the Bell Output for 2 seconds each time the system is armed from a keypad. This test is delayed until the Closing Wait acknowledge is received (if programmed). If the Closing Wait acknowledge is not received within 90 seconds, the bell test does not occur. Arming performed from an Arming zone or from Remote Link™ does not activate the Bell Test.

BELL OUTPUT: 0

Bell Output
Enter the output/favorite number when needed to follow the panel Bell Output operation for all action and off conditions. Enter **0** (zero) to disable.

BELL ACTION . . . . .

Bell Action
This section defines the type of Bell Output for zone alarms. Press **CMD** to display the default Bell Output for each zone type. Press any select key or area and enter **S** for a Steady Bell Output, **P** for a Pulsed output, **T** for a Temporal Code 3 output, **4** for a Temporal Code 4 output, and **N** for no Bell Output (default). Enable this feature to latch a bell action to a keypad for Panic zones. Trouble conditions do not activate the Bell Output.

FIRE TYPE: **T**

Fire Bell Action
This option defines Bell Action for Fire Type zones. The default is **T**.

BURGLARY TYPE: **S**

Burglary Bell Action
This option defines Bell Action for Burglary Type zones and Exit Error output. The default is **S**.

SUPRVSRY TYPE: **N**

Supervisory Bell Action
This option defines Bell Action for Supervisory Type zones. The default is **N**.

PANIC TYPE: **N**

Panic Bell Action
This option defines Bell Action for Panic Type zones. The default is **N**.

EMERGNCY TYPE: **N**

Emergency Bell Action
This option defines Bell Action for Emergency Type zones. The default is **N**.

AUXLRY 1 TYPE: **N**

Auxiliary 1 Bell Action
This option defines Bell Action for Auxiliary 1 Type zones. The default is **N**.

AUX 2 TYPE: **N**

Auxiliary 2 Bell Action
This option defines Bell Action for Auxiliary 2 Type zones. The default is **N**.

CO TYPE: **4**

Carbon Monoxide (CO)
This option defines Bell Action for Carbon Monoxide (CO) Type Zones. The default is set at **4**.

OUTPUT OPTIONS

OUTPUT OPTIONS

Output Options

This section allows you to program panel output options. The panel provides two Form C relays (1 and 2) and four switched ground (open collector) outputs numbered 3 to 6. Expand the system up to 500 additional relay outputs using any LX-Bus on the panel, or multiple 716 Output Expander Modules. In addition, 45 wireless outputs are available when using the 1100XH Series wireless receiver. Refer to the XR Series Installation Guide (LT-1233) for complete information.

Select from the following output numbers:

OUTPUT NUMBERS	PURPOSE
1 to 6	Onboard panel outputs
450 to 474	Slow response time wireless outputs (activates within 15 seconds)
480 to 499	Fast response time wireless outputs (activates within 1 second)
500 to 999	LX-Bus output, relay output, zone expansion output
D01 to D16	Keypad door strike relay for addresses 1 to 16
F1 to F20	To activate Z-Wave Favorites
G1 to G20	Output group

Note: The response time of a wireless output is the time it takes for a wireless output to activate once the panel event occurs. You determine whether a wireless output is a slow or fast response based on the output number assigned. A slow response output number extends battery life but response time may be up to 15 seconds. A fast response output number responds within 1 second but reduces battery life. Refer to the specific wireless output installation guide to determine battery life. Output response times are programmed in *Output Information*.

CO OUTS: - - - - - -

Cutoff Output

Outputs 1 to 6 can be entered here to turn off after a time specified in CUTOFF TIME. To disable this option, press any select key or area to clear the display, then press **CMD**. The Cutoff Output displays dashes when no outputs are selected.

CUTOFF TIME: 0

Output Cutoff Time

If a Cutoff Output from 1 to 6 is assigned, enter a Cutoff Time of **1 to 99** minutes for the output to remain on. Enter **0** (zero) for continuous output.

COM FAIL OUT: 0

Communication Trouble Output

Enter the output/Favorite number to turn on when a DD system fails to communicate on three successive dial attempts or if the backup communication line transmits a report. The Communication Trouble Output also turns on when NET is selected as the primary communication method and NET communication fails after one minute. When NET communication is restored, the Communication Trouble Output automatically turns off.

To manually turn the output off, disarm any area or select Off for the output number in the User Menu Outputs On/Off section. Enter **0** (zero) to disable this output.

FIRE ALR OUT: 0

Fire Alarm Output

Enter the Output/Favorite number to turn on when a fire type zone is placed in alarm. The output is turned off using the Sensor Reset option while no additional fire type zones are in alarm. Enter **0** (zero) to disable. This output is not compatible with Cutoff Outputs.

FIRE TRB OUT: 0

Fire Trouble Output

Enter the output number to turn on when a fire type zone is placed in trouble, when a supervisory type zone is placed in trouble, or when any system monitor (AC, Battery, Phone Line 1 or Phone Line 2) is placed in trouble. The output turns off when all fire and supervisory type zones, or system monitors are restored to normal. Enter **0** (zero) to disable this output. This output is not compatible with Cutoff Outputs. This output can be connected to a lamp, LED, or buzzer using the DMP Model 716 Output Expansion Module.

PANIC ALM OUT: 0

Panic Alarm Output

Enter the output/Favorite number to turn on when any Panic type zone is placed in an alarm condition. The output is turned off after all Panic zones are restored from an alarm condition and a Sensor Reset is performed. Enter 0 (zero) to disable.

Wireless Outputs

- The Panic Alarm is compatible with the Model 1118 Wireless Remote Indicator Light and the Model 1116 Wireless Relay Output connected to a Model 572 Indicator LED.
- When a Panic Alarm occurs, the LED turns on steady for five minutes and then turns off.
- When a Panic Test is initiated from the keypad, the LED flashes quickly for five minutes.
- For a Panic Alarm, a fast response wireless output number is recommended.

AMBUSH OUT: 0

Ambush Output

Enter the output/Favorite number to turn on when an Ambush code is entered at a keypad. The output is turned off using the Sensor Reset option. Enter **0** (zero) to disable.

ENTRY OUT: 0

Entry Output

Enter the output/Favorite number to turn on at the start of the entry delay time. The output turns off when the area is disarmed or the entry delay time expires. Enter **0** (zero) to disable.

BEG EXIT OUT: 0

Begin Exit Output

This output/Favorite turns on any time an exit delay time starts. The output turns off when the system arms or when the arming has been stopped. Enter **0** (zero) to disable.

END EXIT OUT: 0

End Exit Output

This output/Favorite turns on any time an exit delay time ends. The output turns off when the system disarms. Enter **0** (zero) to disable.

READY OUT: 0

Ready Output

Enter the output/Favorite number to turn on when all disarmed burglary zones are in a normal state. The output is turned off when any disarmed burglary type zone is in a bad state. Enter **0** (zero) to disable. This output is not compatible with Cutoff Outputs.

ARMED HOME: 0
ARMED SLEEP: 0
ARMED AWAY: 0
ARMED ALL: 0
ARMED PERIM: 0

Armed Output

The entered output turns on any time the system is armed. The programming prompt displayed is dependent on the system's arming type.

For Home/Away systems, only the HOME and AWAY screens display. If a Bedroom area is programmed into the panel, the SLEEP screen also displays. For All/Perimeter systems, the ALL and PERIM screens display. For Area systems, the ARMED OUTPUT is programmed in *Area Information.*

All options are defaulted to 0 (zero). The output turns off when the system completely disarms. Enter **0** (zero) to disable this output.

DISARMED OUT: 0

Disarmed Output

This output/Favorite turns on when all areas of the panel are disarmed. The output turns off when an area is armed.

PH TRBL OUT: 0

Telephone Trouble Output

Enter the output/Favorite number to turn on when the phone line monitor on the panel phone line is lost. Enter **0** (zero) to disable this output.

LATE CLS OUT: 0

Late To Close Output

Enter the output/Favorite number to turn on at the expiration of a Closing schedule. The output activates simultaneously with the CLOSING TIME! keypad display. The output is turned off when the area is armed, the Closing is extended, or the schedule is changed. Enter **0** (zero) to disable this output.

DVC FAIL OUT: 0

Device Fail Output

Enter the output/favorite number to turn on when an addressed device fails to respond to polling from the panel. A Missing Device report is sent to the receiver and is stored as an event in the panel. The output is turned off when the device responds to polling or is removed from programming in the system. Enter **0** (zero) to disable this feature. If any addressed device is unsupervised, this output cannot be used.

SNSR RST OUT: 0

Sensor Reset Output

Enter the output/Favorite number to turn on when a Sensor Reset is performed at a keypad. The output turns off automatically 5 seconds later. This function can be used to reset smoke detectors that are operated by an external power supply through a Model 716 Output Expander Module. Enter **0** (zero) to disable this output.

CLS WAIT OUT: 0

Closing Wait Output

Enter the output/Favorite number to turn on for approximately 4 seconds when Closing Wait is programmed as YES and the panel successfully communicates the closing message at arming. If the closing message does not communicate successfully, this output does not turn on.

ARM-ALARM OUT: 0

Arm-Alarm Output

Enter the output/Favorite number to turn on steady when any area of the system is armed. If an alarm occurs causing the keypads to turn Red, this output pulses and continues to pulse for approximately five (5) minutes after the panel is disarmed. Enter **0** (zero) to disable.

To operate the Arm-Alarm output within one second, program a fast response number from **480 to 499**. Fast response operation reduces overall wireless output battery life.

To operate the Arm-Alarm output within 15 seconds, program a slow response number from **450 to 474**. Slow response operation increases overall wireless output battery life.

SUPV ALM OUT: **0**

Supervisory Alarm Output

Enter the output/Favorite number to turn on when a supervisory zone type is placed into an alarm. The output turns off when all supervisory type zones are restored to normal. Enter **0** (zero) to disable. Default is **0**.

HEAT SAVER TEMPERATURE: 0

Heat Saver Temperature

Enter the desired temperature setting for all Z-Wave thermostats when the system is armed ALL or AWAY. When the system is disarmed the thermostats return to their previous settings. The range is **1 to 99** degrees. Enter **0** (zero) to disable.

COOL SAVER TEMPERATURE: 0

Cool Saver Temperature

Enter the desired temperature setting for all Z-Wave thermostats when the system is armed ALL or AWAY. When the system is disarmed the thermostats return to their previous settings. The range is **1 to 99** degrees. Enter **0** (zero) to disable.

OUTPUT OPTIONS
CO ALRM OUT: XXX

Carbon Monoxide Alarm Output

This output turns on any time a Carbon Monoxide Zone (CO) is placed in alarm. The output is turned off using Sensor Reset option while no additional CO type zones are in alarm.

OUTPUT OPTIONS
LOCKDOWN OUT: XXX

Lockdown Output Alarm Output

This output turns on any time a Lockdown Output Zone is placed in alarm. The output is turned off using Sensor Reset option while no additional Lockdown type zones are in alarm.

OUTPUT OPTIONS
ZN MNTR OUT: XXX

Zone Monitor Output

This output turns on momentarily when a zone monitor tone is activated on keypads. If zone monitoring is turned off, the zone monitor output will not trigger. When a sensor reset is performed, the alert message will be cleared from the status list.

OUTPUT INFORMATION

OUTPUT NUMBER

Output Number

Enter an output number. Entry range is 1 to 6, 450 to 474, 480 to 499, 500 to 999. In order for wireless output troubles to display at a keypad, specify the keypad address at the Auxiliary 1 Zones option in the Status List programming.

OUTPUT NAME

Output Name

This section allows you to define a 32 character alphanumeric name for any output numbers. See the XR Series Users Guide (LT-1278) Appendix for browser operation.

OUTPUT REAL-TIME STATUS **NO** YES

Output Real-Time Status

Select **YES** to allow Real-Time Status reports of a hardwired device, such as Output ON, OFF, PULSE, or TEMPORAL to be sent using PC Log reports. Select **NO** to disable Real-Time Status for this output device. Default is **NO**.

SERIAL#: XXXXXXXX

Serial Number

If a house code is programmed in System Options, this option and the next option only display when the output number entered is for a wireless output. Enter the eight-digit serial number found on the wireless device.

ALREADY IN USE
OUTPUT NO: XXX

Already In Use displays when the serial number is already programmed for another output. The programmed output number displays.

SUPERVSN TIME: 240
0 3 60 **240**

Supervision Time

Press any select key or area to select the supervision time required for the wireless output. Press **CMD** to accept the default time. Default is **240 minutes**.

Select the required number of minutes. The transmitter checks in at least once during this time or a missing condition is indicated for that zone. Zero (0) indicates an unsupervised transmitter. The 3 minute supervision time is only available if using an 1135 Wireless Siren.

When the panel is reset, a receiver is installed or powered down and powered up, or programming is complete, the supervision timer restarts for all wireless outputs.

TRIP WITH PANEL BELL NO **YES**

Trip with Panel Bell Option

This option displays when the wireless device is an 1135 wireless siren. Select **YES** to have the 1135 wireless siren follow the panel's bell output cadence for the zone type and bell cutoff time up to 15 minutes. Default is **YES**.

OUTPUT GROUPS

OUTPUT GROUPS

Output Groups

This function allows you to assign outputs to groups. Output groups can be assigned to other areas of programming, such as Output Options or Alarm Action in Zone Information, just like single outputs are assigned. This allows the entire group of outputs to turn on and off as required by the programming option.

GROUP NO: -

Group Number

Enter a group number from **1 to 20.** Up to 20 different groups may be assigned.

GROUP NAME X X

Group Name

The group name displays. To change the default name, press any select key or area, then enter up to 32 characters for the group name. Press **CMD** to enter the outputs to be assigned to the group.

OUTPUT NO: 1

Output Number

Enter the Output number. Entry range is 1 to 6, 450 to 474, 480 to 499, 500 to 999 (outputs), F1 to F20 (favorites), D01 to D16 (doors), and G1 to G20 (groups). The maximum number of outputs that can be assigned to a specific group is 8 (eight).

An output group may be assigned as one of the output numbers in another output group.

Output groups 1 to 10 can be assigned by a user profile for applications such as elevator control. For more information, see Output Group in the XR Series Users Guide (LT-1278) Output groups 11 to 20 cannot be assigned to a profile and are available for installation applications such as special lighting, etc.

MENU DISPLAY

MENU DISPLAY

Menu Display

Menu Display allows you to select which keypad addresses the user can access.

To select a keypad, enter the device number (keypad address) using the digit keys on the keypad. When a keypad is selected, an asterisk appears next to the keypad address. Enter the number again to deselect the keypad. Press **CMD** to display the next set of keypads (9 through 16). For more information, refer to *Multiple Displays*.

ARMED STATUS

*1	*2	*3	*4
*5	*6	*7	*8
*9	*10	*11	*12
*13	*14	*15	*16

Armed Status

Enter the keypad addresses from 1 to 16 that show the armed areas. The User Menu Armed Areas function also displays the custom area name you enter in Area Information.

When only areas 1 to 8 are used, the Armed Status display is 1 2 3 4 5 6 7 8.
When areas 9 or higher are used, the system Armed Status display reads ALL SYSTEM ON or SYSTEM ON. Press **CMD** to display additional areas.

TIME DISPLAY

*1	*2	*3	*4
*5	*6	*7	*8
*9	*10	*11	*12
*13	*14	*15	*16

Time

Enter the keypad addresses that can display the time and day of the week.

ARM/DIS DISPLAY

*1	*2	*3	*4
*5	*6	*7	*8
*9	*10	*11	*12
*13	*14	*15	*16

Arm/Disarm

Enter the keypad addresses where users can arm and disarm areas.

STATUS LIST

STATUS LIST

Status List

This function allows you to select the zone alarms and troubles, and system monitor troubles displayed at the keypads. The Status List function operates automatically when the keypad is not performing any other function.

The keypad stays in the Status List until the user arms, disarms or selects a menu option. Status List alternates with the Armed Status on keypad addresses selected in *Armed Status* in Menu Display. You can choose to have System Monitor troubles placed in the list, the different zone types placed in the list, and which keypad addresses they display at.

To select a keypad, enter the device number (keypad address) using the digit keys on the keypad. When a keypad is selected, an asterisk appears next to the keypad address. Enter the number again to deselect the keypad. Press **CMD** to display the next set of keypads from 9 to 16. For more information, refer to *Multiple Displays*.

DISPLAY KEYPADS

Display Keypads

This option defines which keypad addresses display the various status information. Any combination of addresses can be entered to display the status items that follow. If you do not want a particular status item to display, do not enter any addresses.

SYSTEM TROUBLES

*1	*2	*3	*4
*5	*6	*7	*8

*9	*10	*11	*12
*13	*14	*15	*16

System Monitor Troubles

This option specifies the keypad addresses from 1 to 16 where any trouble on a System Monitor displays. The System Monitors include the following options:

- AC Power
- Battery Power
- Closing Check
- Panel Box Tamper
- Phone Line 1
- Phone Line 2 (requires the 893A Dual Phone Line Module)
- Wireless Receiver Trouble
- Wireless Jamming Trouble or Alarm

The System Monitor name is placed in the Status List and the keypad steady trouble buzzer sounds. The buzzer remains on until any select key or area is pressed. The name remains in the list until the condition is restored. The buzzer sounds at 10:00 am daily until the system trouble is cleared from the Status List.

FIRE ZONES:

Fire Zones

This option specifies the keypad addresses from 1 to 16 where all fire zone alarms and troubles display. The zone name displays and if it is a trouble condition, the keypad steady trouble buzzer sounds. The buzzer remains on until any select key or area is pressed and a user code is entered. If a trouble condition remains in the display, the buzzer sounds at 10:00 am daily until the trouble is cleared from the Status List.

BURGLARY ZONES:

Burglary Zones

This option specifies the keypad addresses from 1 to 16 where all burglary zone alarms and troubles display. Burglary zones include Night, Day, and Exit type zones. Burglary zone troubles remain in the list until the zone restores. All keypads are selected by default.

For zone alarms, only the last burglary zone tripped remains in the list. The alarm remains in the list until another burglary zone goes into alarm, any area of the system is disarmed, or 10 minutes elapse without an alarm. This ensures that if a burglary is in progress the last zone tripped remains in the list even if the zone is restored.

The keypad buzzer sounds for one second on burglary alarms.

You can further define which keypad address shows a Burglary Zone event by entering that area number in the Display Areas menu during Device Setup.

SPRVISORY ZONES:

Supervisory Zones

This option specifies the keypad addresses from 1 to 16 where all supervisory zone alarms and troubles display. Supervisory zones are entered in the status list and sound the keypad buzzer until a valid user code is entered at any keypad address. If a trouble condition remains in the display, the buzzer sounds at 10:00 am daily until the supervisory trouble is cleared from the Status List.

PANIC ZONES:

Panic Zones

This option specifies the keypad addresses from 1 to 16 where all panic zone alarms and troubles display. The name of the zone remains in the list until a Sensor Reset is performed. The keypad sounds if the Bell Action is enabled in Bell Options.

EMERGENCY ZONES:

Emergency Zones

This option specifies the keypad addresses from 1 to 16 where all emergency zone alarms and troubles display. The name of the zone remains in the list until the zone restores. The keypad buzzer does not sound for emergency alarms or troubles.

AUX 1 ZONES:

Auxiliary 1 Zones

This option specifies the keypad addresses from 1 to 16 where all Auxiliary 1 zone alarms and troubles display. The name of the zone remains in the list until the zone restores. The keypad buzzer does not sound for Auxiliary 1 alarms or troubles. You can further define which keypad address shows an Auxiliary 1 Zone event by entering that area number in the Display Areas menu during Device Setup.

AUX 2 ZONES:

Auxiliary 2 Zones

This option specifies the keypad addresses from 1 to 16 where all Auxiliary 2 zone alarms and troubles display. The name of the zone remains in the list until the zone restores. The keypad buzzer does not sound for Auxiliary 2 alarms or troubles. You can further define which keypad address shows an Auxiliary 2 Zone event by entering that area number in the Display Areas menu during Device Setup.

CO ZONES:

Carbon Monoxide Zones

This option specifies the keypad addresses from 1 to 16 where all carbon monoxide zone alarms and troubles display. Carbon monoxide zones are entered in the status list and sound the keypad buzzer until a valid user code is entered at any keypad address. If a trouble condition remains in the display, the buzzer sounds at 10:00 am daily until the carbon monoxide trouble is cleared from the Status List.

COMM PATH TRBL:
NO YES ALL

Communication Trouble

This option specifies when communication troubles are displayed on keypads that are programmed to display System Monitor Troubles. Default is **NO**.

Select **YES** to display communication trouble when any communication path fails.

Select **ALL** to display communication trouble only when all paths have failed.

PC LOG REPORTS

PC LOG REPORTS

PC Log Reports

This section allows you to program the types of PC Log Reports the panel sends through the ETHERNET Port directly on the panel. The reports include information, such as the type of activity, time and date of the activity, and user name and number. These data reports can be accessed from a PC using the Advanced Reporting Module. For more information, see the XR Series Users Guide (LT-1278). For detailed Ethernet setup information, see the XR Series Installation Guide (LT-1233).

If there is trouble with the network connection, the panel continues to attempt to send the PC Log Reports until the connection is reestablished. The panel then sends the reports. A Network Trouble message is not sent if the connection is lost because this report tool is not designed to be monitored by a receiver. The PC Log Reports have the lowest priority of panel reports sent.

Note: The PC Log Address String entered cannot be the same as that entered in Communication. The PC Log Reports option should not replace the primary communication method or act as a backup communication method.

NET IP ADDRESS
000.000.000.000

Net IP Address

This option displays when the Communication Type for PC Log Reports is NET. Enter the IP address containing up to 16 characters. The Net IP Address shoulbe unique and cannot be duplicated on the network. Enter all 12 digits and leave out the periods. The default is **0.0.0.0**.

NET PORT **2001**

Net Port

This option displays when Communication Type for PC Log Reports is Net. Enter the Port number. Valid numbers are from **0 to 65535**. Default is **2001**.

ARM/DIS **NO** YES

Arm and Disarm Reports

This option sends arming, disarming and Late to Close events. This includes the area number, name and action, the user number and name, and the time and date. Default is **NO**.

ZONE **NO** YES

Zone Reports

This option sends changes in the status of active zones. This includes the zone number, name, type, the action (alarm, trouble, bypass, etc.), user number (if applicable), and area name. For a Walk Test, zone verify and zone fail messages are sent for each zone. Default is **NO**.

USR CMDS **NO** YES

User Command Reports

This option sends user code changes, schedule changes, and door access denied events. Default is **NO**.

DOOR ACS **NO** YES

Door Access Reports

This option sends door access activity: door number, user number and name, and time and date. Default is **NO**.

SUPV MSG **NO** YES

Supervisory Reports

This option sends system monitor reports, such as AC and battery, and system event reports. Default is **NO**. Supervisory Reports also sends the following reports:

- Abort
- Exit Error
- Ambush
- System Recently Armed
- Alarm Bell Silenced
- Unauthorized Entry
- Late to Close

Note: Late to Close is only sent as a Supervisory Report if Area Schedules is not enabled, Closing Check is enabled, and an opening/closing schedule has been programmed.

To send these reports to the PC Log, enable **SUPV MSG**.

PC LOG REAL-TIME STATUS **NO** YES

PC Log Real-Time Status

Select **YES** to send Real-Time Status reports for zones, doors, and outputs. Select the specific reports by individual zone or output. The Real-Time Status messages are sent to a PC running a graphic display software. Default is **NO**.

The following messages can be sent:

- Door Open with zone number
- Door Closed with zone number
- Door Open with door number
- Door Closed with door number
- Output On
- Output Off
- Output Pulse
- Output Temporal

AREA INFORMATION

AREA INFORMATION

Area Information

This programming option allows you to activate areas and assign functions to the different areas in the system. All non-24-hour zones must be assigned to an active area. See Zone Information. You activate an area by assigning it a name.

EXIT DELAY: 60

Exit Delay

Enter the exit delay time for all Exit type zones in this area. When the exit delay time starts, all activity on that zone and other non-24-hour zone types in the area is ignored until the exit delay expires. The keypad displays the Exit Delay time countdown and annunciates the Exit Delay tone at 8 second intervals until the last 10 seconds when annunciation is at 3 second intervals.The exit delay can be from **30 to 250** seconds. Default is **60 seconds**.

During Exit Delay, if an exit zone trips, then restores, and trips again, the Exit Delay timer restarts. This restart can occur only once. For Area Systems, select **NO** to prevent the Exit Delay from restarting.

Exit Error Operation

At arming, when an entry/exit zone (EX) is faulted at the end of the exit delay then one of two sequences occur:

1. Entry Delay 1 EX type zones

- The bell sounds for the length of time set in Bell Cutoff programming
- The Entry Delay operation starts requiring code entry to disarm
- If not disarmed, a zone alarm and an exit error are sent to the receiver

2. Entry Delay 2-4 EX type zones

- The zone is force armed and a zone force arm message is sent to the receiver
- An Exit Error is sent to the receiver
- The bell sounds for the length of time set in Bell Cutoff programming

CLS CHK **NO** YES

Closing Check

Select **YES** to enable the panel to verify that all areas in the system are armed after permanent or extended schedules expire. If the Closing Check finds any areas disarmed past the scheduled time, the keypads selected to display System Trouble Status displays CLOSING TIME! and emits a steady beep. When Area Schedules is set to YES in Area Information, the specific area and name display followed by — LATE.

When Auto Arm is NO, if within ten minutes the system is not armed or if the schedule is not extended, a Late to Close report is sent to the SCS-1R Receiver. When Auto Arm is YES, the area arms.

If the area becomes disarmed outside of any schedule, the Closing Check sequence occurs after the Late Arm Delay time.

When Closing Check is **NO** and Auto Arm is YES, the system immediately arms when the schedule expires. No warning tone occurs. When Closing Check is NO, the option to extend a schedule does not display when the schedule expires.

CLS CODE **NO** YES

Closing Code

Select **YES** for a code number to be required for system arming. Select **NO** for a code number to not be required for system arming. Default is **NO**.

ANY BYPS **NO** YES

Any Bypass

Select **YES** for zones to be bypassed without a code number during the arming sequence. A code number is always required to use the Bypass Zones option from the menu. Default is **NO**.

AREA SCH **NO** YES

Area Schedules

Select **YES** to allow each area to follow individual sets of area schedules programmed in the User Menu. Select **NO** for all areas to follow only one set of schedules in the User Menu. Default is **NO**. For more information about adding schedules to the panel, see the XR Series User Guide (LT-1278).

Note: Area Schedules are not designed to operate with All/Perimeter or Home/Sleep/Away systems.

EARLY AMBUSH: 0

Early Morning Ambush (XR550 Network Panels Only)

Enter the number of minutes from **1 to 15** before a silent alarm (Early Morning **Ambush** S33) is sent to the monitoring center using the area 1 account number. Enter **0** (zero) to disable this option.

When a user code is entered to disarm area 1 at a keypad or reader with Access Areas assigned to area 1, enter the same or different user code within the programmed number of minutes to prevent an ambush message from being sent to the receiver. The second user code should also have authority to disarm area 1.

A zone activation with Alarm Action Message C also cancels the Early Morning Ambush timer and stops an Ambush message from being sent to the receiver. The keypad does not display any indication that the ambush timer is running. See *Report to Transmit* in Zone Information.

Indications can be provided by assigning an output number to Entry Out and Ambush Out in Output Options. Entry Out turns on one minute before the timer expires and turns off at expiration. Ambush Out turns on at the timer's expiration and turns off when Sensor reset is performed.

AREA NO: -

Area Number

Enter the number of the area to program. Press **CMD** to continue. Only Area systems allow the area name to be changed. When All/Perimeter or Home/Sleep/Away is selected as the system type, the Area Number does not display.

INT PERIM

All/Perimeter Programming

When All/Perimeter is selected as the system type, program the Interior and Perimeter areas as needed.

INT BDRM PERIM

Home/Sleep/Away Programming

When Home/Sleep/Away is selected as the system type, program the Interior, Bedroom, and Perimeter areas as needed.

* UNUSED *

Area Name

The area name can be up to 32 alphanumeric characters. To add an area name to the system, press any select key or area, then enter up to 32 characters for the new area name. Press **CMD** to continue. Inactive areas are marked * UNUSED *. Only systems programmed for Area arming have the option available to change the area name.

To mark an active area unused, press any select key or area to delete the old name, then press **CMD**. The programmer automatically programs the name as *UNUSED*. If you have already cleared Area Information during Initialization, all areas are marked * UNUSED *.

Home/Sleep/Away with Guest systems display the area name, but the names cannot be changed. The following display names appear on the keypad:

AREA	DISPLAY
1	Perimeter
2	Interior
3	Bedrooms
4	Guest1 Perimeter
5	Guest1 Interior
6	Guest1 Bedrooms
7	Guest2 Perimeter
8	Guest2 Interior
9	Guest2 Bedrooms

ACCOUNT NO: 12345

Account Number

Enter the account number to be sent to the receiver for this area. Choose an account number compatible with the Communication Type selected in Communication. The default Account Number is the one previously entered in Communication. This account number is used when sending area messages and events to the central station.

O/C RPTS NO **YES**

Opening/Closing Reports

This option allows an Opening/Closing report to be sent to the receiver when this area is disarmed or armed. Default is **YES**.

AUTO ARM **NO** YES

Automatic Arming

Select **YES** to allow this area to arm automatically according to permanent, temporary, or extended schedules. If no schedules are programmed, the area auto arms every hour. Default is **NO**.

If closing check is selected as YES, the automatic arming function does not take place until the expiration of a ten minute Closing Check delay. If the area has been disarmed outside of any permanent or temporary schedule, the closing check sequence occurs one hour after the area is disarmed.

At arming, bad zones are handled according to the option selected in section Bad Zones. If a closing report is sent, the user number is indicated as SCH on the SCS-1R Receiver. NO disables automatic arming for this area.

For ANSI/SIA CP-01 UL installations, Automatic Arming cannot be used for arming.

BAD ZONES: **BYP**

Bad Zones

At the time of automatic arming, some zones in the area may not be in a normal condition. This option allows you to program the panel response to these bad zones. This option does not display if AUTO ARM is NO.

BYP FORC REF

BYP: All bad zones are bypassed. A report of the bypass is sent to the receiver if Bypass Reports is YES. The report indicates SCH as the user number.

FORC: All bad zones are force armed. Zones force armed in a bad condition are capable of restoring and reporting an alarm if tripped. A forced zone report is transmitted if Bypass Reports is YES. The report indicates SCH as the user number.

REF: The automatic arming is refused and no arming takes place. A No Closing report is sent to the receiver regardless of the Closing Check selection.

AUTO DIS **NO** YES

Automatic Disarming

Select **NO** to disable automatic disarming by schedule for this area. Select **YES** for the area to automatically disarm according to permanent or temporary schedules. If an opening report is sent to the receiver, the user number is indicated as SCH. Default is **NO**.

BURG BELL OUT: 0

Burglary Bell Output

Enter the output number (0 to 6, 500 to 999, G1 to G20, D01 to D16, or F1 to F20) that is turned on any time a Burglary type zone is placed in alarm. The output is turned off when you disarm any area and no other Burglary type zones are in alarm. The output can also be turned off using the Alarm Silence option in the User Menu, or by entering a user code with the authority to silence alarms. The duration of this bell output follows the time entered in the Bell Options for Bell Cutoff Time. The Burglary Bell Output entered is turned on for two seconds each time the system is armed.

ARMED OUTPUT: 0

Armed Output Number

Enter the output to turn on when this area is armed. If an exit delay is used for this area, the Armed Output turns on at the start of the exit delay. The output is turned off when this area is disarmed. The output cannot be turned on from the User Menu Outputs On/Off option.

LATE OUTPUT: **0**

Late Output Number

Enter the output to turn on when this area is not armed by its scheduled time and Area Late or Closing Time displays at a keypad and the keypad buzzer is on. The output is turned off when the keypad buzzer is silenced by pressing any key. Default is **0** (zero).

LATE/ARM DLY: **60**

Late Arm Delay

Enter **4 to 250** minutes to delay before automatic re-arming occurs after the area becomes disarmed outside of schedules. Default is **60 minutes**. See *Closing Check*.

The Late Arm Delay can be superseded by the Rearm Delay setting of the User Profile assigned to the user who disarmed the area.

BANK/SAF **NO** YES

Bank Safe & Vault (XR550 with Network or Encryption only)

Select **NO** to disable the Bank Safe & Vault feature for this area. Select **YES** to ensure that schedules set for any area and the time of day cannot be changed while the area is armed. Default is **NO**.

Program Schedules Before Arming

A Bank Safe & Vault area can only be disarmed during scheduled times. If the area becomes armed before programming a schedule, reset the panel before the area can be disarmed from a keypad, or set this option to **NO**.

Zones assigned to Bank Safe & Vault areas cannot be bypassed or force armed. Do not assign Bank Safe & Vault area to an Arming zone. Arming zones can disarm Bank Safe & Vault areas outside of a schedule.

COMMON **NO** YES

Common Area

Select **YES** to enable this area to operate as a common area. This area is armed when the last area in the system is armed, and the area is disarmed when the first area in the system is disarmed. You can have multiple common areas in each system. For the common area to work properly, do not assign the common area to any user code. Default is **NO**.

ARM FIRST **NO** YES

Arm First Area

Select **YES** to enable this area to operate as an Arm First area. This area is automatically armed when any non-Arm First area assigned to the same keypad are armed. This area does not disarm when other areas become disarmed. Assign areas to keypads using the *Display Areas* in Device Setup programming. You can have multiple Arm First areas in a system and divide them among keypads if needed. If an Arm First area has faulted zones that cannot be bypassed, arming stops and the areas are not armed. Correct the problem with the Arm First area, then begin the arming process again. Default is **NO**.

The Arm First automatic arming only occurs when arming from a keypad. Arming remotely, or from a zone or schedule, is not affected and Arm First areas do not automatically arm.

NO ARM DIS ALL

Dual Authority (XR550 with Network or Encryption only)

Dual Authority requires two user codes to be entered at a system keypad to disarm and arm this area. Enable Dual Authority per user in User Profiles to use this feature. When a user presents a user code to a keypad requesting to disarm or arm this area, 2ND CODE displays and requires the entry of a different user code with at least the same authority. Enter the second user code within 30 seconds.

Select **ARM** to require two user code entries in order to arm this area. Select **DIS** (disarm) to require two user code entries in order to disarm this area. Selecting the DIS option also enables Dual Authority for Access Control. Select **ALL** to require two user code entries in order to both arm and disarm this area. Select **NO** to disable Dual Authority for this area. The default is **NO**.

CARD+PIN NO YES

Card Plus Pin

Card Plus Pin requires users to present both a credential and enter their 4-6 digit pin numbers before the desired action for the specific areas occurs. If Card Plus Pin is set to YES in an area and a profile, then the user is required to use card and pin to gain access. All areas are defaulted to **YES**, while all profiles are defaulted to **NO**.

ZONE INFORMATION

ZONE INFORMATION

Zone Information

Zone Information allows you to define the operation of each protection zone used in the system. All protection zones are programmed the same way.

ZONE NO: -

Zone Number

Enter the number of the zone you intend to program. Available zone numbers are shown in the table below:

PANEL	PROGRAMMING ZONE NUMBER
Onboard	1-10
KEYPAD BUS	**PROGRAMMING ZONE NUMBER**
1	11-14
2	21-24
3	31-34
4	41-44
5	51-54
6	61-64
7	71-74
8	81-84
9	91-94
10	101-104
11	111-114
12	121-124
13	131-134
14	141-144
15	151-154
16	161-164
1100 SERIES WIRELESS	**PROGRAMMING ZONE NUMBER**
1144 Series Key Fob	400-449
	500-599 (XR150)*
	500-999 (XR550)*
*This zone range is only valid when programming key fobs as 1-button or 2-button wireless panic zones.	
LX-BUS	**PROGRAMMING ZONE NUMBER**
LX500	500-599
LX600	600-699
LX700	700-799
LX800	800-899
LX900	900-999

Press **CMD** to enter a zone name.

* UNUSED *

Zone Name

Zone names can have up to 32 alphanumeric characters. Provide a name for each zone in the system. The name can display at the keypads during arming and disarming so the user does not have to memorize zone numbers. Mark a zone that is not part of the system as unused.

To add a zone name to the system, press any select key or area, then enter up to 32 characters for the new zone name. Press **CMD** to continue.

To mark a zone unused, delete the old name by pressing any select key or area, then press **CMD**. The programmer automatically programs the name as * UNUSED *. If you have already cleared Zone Information during Initialization, the zone is marked * UNUSED *.

ZONE LOCATION

Zone Location

This feature is optional and allows you to specify a zone location, separate from the zone name. Enter a descriptive location for the zone, such as 2nd Floor East Wing. The zone location is only sent to the monitoring center to help dispatchers identify where an alarm is triggered and does not display on the keypad. You can enter up to 32 characters for the zone location name.

ZONE TYPE: BLANK

Zone Type

The panel contains 12 default zone types for use in configuring the system. These zone types provide the most commonly selected functions for their applications. All zone types except the Arming zone type can be customized.

The Zone Type defines the panel response to the zone being opened or shorted. This is called the Alarm Action. There are up to 13 possible alarm action responses depending on the zone type and any restrictions it may have. See the *Zone Type Descriptions* in the Appendix.

When you assign a Zone Type to a zone, automatic alarm actions are made. There are 12 Zone Types to choose from. To enter a new Zone Type, press any select key or area. The display lists all of the available Zone Types four at a time:

- Blank, Night, Day, or Exit. Press **CMD** for additional zone types.
- Fire, Panic, Emergency, or Supervisory. Press **CMD** for additional zone types.
- Auxiliary 1, Auxiliary 2, Fire Verify, or Arming (keyswitch). Press **CMD** for additional zone types.
- Carbon Monoxide (CO), Instant, and Doorbell

If you select Blank, Night, Day, Exit, Auxiliary 1, Auxiliary 2, or Arming as the Zone Type, assign the zone to an active area. If you select Fire, Fire Verify, Panic, Emergency, Supervisory, or CO as the Zone Type, it is a 24-hour zone that is always armed and no area assignment is needed.

AREA NO: -

Area Assignment

Enter the area number where the Night, Day, Exit, Auxiliary 1, Auxiliary 2, or Instant zone is assigned. For an Area system, area numbers **1 to 32** can be assigned.
For a Home/Sleep/Away with Guest system, area numbers **1 to 9** can be assigned.

AREA: PERIMETER

In an All/Perimeter or Home/Sleep/Away system, the currently selected area, Perimeter, Interior, Bedroom displays.

INT PERIM

On an All/Perimeter system, select **INT** to program zones for the interior area and select **PERIM** to program zones for the perimeter area.

INT BDRM PERIM

On a Home/Sleep/Away system, select **INT** to program zones for the interior area, select **BDRM** to program zones for the bedroom area, and select **PERIM** to program zones for the perimeter area.

FIRE BELL OUT: 0

Fire Bell Output

This output (1 to 6, 500 to 999, F1 to F20, G1 to G20, or D01 to D16) is turned on any time a Fire, Fire Verify, or Supervisory zone is placed in alarm. The output is turned off by any of the following actions:

- When the User Menu Alarm Silence function is performed
- When a valid user code is entered to silence the bell
- When the Silence key is pressed on the 630F Remote Fire Command Center
- Using the Outputs On/Off function in the User Menu
- The expiration of the Bell Cutoff time

This output can be connected to a lamp, LED, or buzzer using the DMP Model 716 Output Expansion Module.

ARM/DIS AREAS

Arming Zone Area Assignment

In an Area or Home/Sleep/Away with Guest system, if the zone has been programmed as an Arming Type (AR), enter the areas that the zone controls.

When the zone changes from normal to shorted, the programmed areas toggle between the armed or disarmed condition using the *Style* programming. When restored to normal, no action occurs. When the zone is opened from a normal (disarmed) state, a trouble is reported. When opened from a shorted (armed) state, an alarm is reported and the zone is disabled until you disarm the area(s) from either a keypad, Virtual Keypad, or Remote Link™ computer.

ARM AREAS: PERIM

To visually indicate the armed state of the area(s), you can assign an Armed Output to individual areas and use remote LEDs at the keyswitch. The LED turns on or off to indicate to the user the armed state of the area(s).

PERIM ALL

Perimeter/All

Specify whether the arming zone arms only the Perimeter (PERIM), or the Perimeter and Interior areas (ALL) for All/Perimeter systems. When disarming, all areas are disarmed.

HOME SLEEP AWAY

Home/Sleep/Away

Specify whether the arming zone arms the Perimeter (HOME), the Perimeter and Interior (SLEEP), or all three areas (AWAY). When disarming, all areas are disarmed.

Arming Zone Operation

If any bad zones are present when the Arming zone is shorted, the LED delays lighting for 5 seconds. If during the 5 second delay the Arming zone is shorted again, no arming takes place. If 5 seconds expire without the zone shorting again or restoring to normal, the areas arm and bad zones are force armed. To allow bad zones to be force armed, set the Any Bypass option to **YES**. If Any Bypass option is set to **NO**, arming does not occur. A priority zone cannot be force armed. See *Any Bypass* in Area Information Any Bypass section.

STYLE:

Style

This option specifies the style for the arming/disarming operation. The default style is **TGL** (toggle). Press any select key or area to display the STYLE options. To view more style options, press **CMD**.

TGL ARM DIS STEP

TGL (Toggle)

When the zone changes from normal to short, the programmed areas toggle between the armed or disarmed condition. When restored to normal, no action occurs. When the zone opens from a disarmed state, a trouble is reported. When opened from an armed state, an alarm is reported and the zone is disabled until you disarm the area(s) from a keypad, or in Remote Link™ or Virtual Keypad.

ARM

When the zone is shorted, the programmed areas are armed. When restored to normal, no action occurs. When the zone is opened from a disarmed state, a trouble is reported. When opened from an armed state, an alarm is reported.

DIS (Disarm)

When programmed as an Area system, a short disarms the programmed areas. When programmed as a ALL/PERIM or HOME/AWAY system, a short disarms ALL areas. When restored to normal, no action occurs. When the zone is opened from a normal (disarmed) state, a trouble is reported.

STEP

When programmed as an AREA system, the Arming Type areas arm and the keypads beep once. When programmed as ALL/PERIM or HOME/AWAY, on the first short, HOME arms and the keypads beep once. On the second short, SLEEP arms and the keypads beep twice. On the third short, AWAY arms and the keypads beep three times. A normal condition causes no action. An open condition disarms the programmed areas and the keypads beep for one second

MNT

MNT (Maintain)

When the zone is shorted, the programmed areas are armed. When restored to normal, the programmed areas are disarmed and any alarm bells are silenced. When the zone is opened from a normal (disarmed) state, a trouble is reported. If opened from a shorted (armed) state, an alarm is reported and the zone is disabled until you disarm the area(s) from a keypad, or in Virtual keypad, or Remote Link™ computer.

EXP SN:

Expander Serial Number

If using a zone expansion module, enter the 10 character serial number found on the module. Press **CMD** to move to the next prompt.

Already In Use displays when the serial number is already programmed for another zone. The programmed zone number displays.

NEXT ZN? NO YES

Next Zone

Select **YES** to terminate zone programming. The display returns to Zone Number, allowing you to enter a new zone number. Select **NO** to make alterations to the Alarm Action for a zone.

To program zones for wireless operation, select **NO** at the NEXT ZONE - NO YES option. The WIRELESS NO YES option displays. If the zone you are programming is intended for wireless devices, select **YES**. Select **NO** to continue programming non-wireless zones in the 500 to 999 range. The following wireless zone numbers can be programmed:

- Zones 400 to 449 can be programmed as key fobs using 1144 Series Wireless Key Fobs
- Zones 500 through 599 can be programmed for 1100 Series Wireless on an XR150 Control Panel
- Zones 500 through 999 can be programmed for 1100 Series Wireless on an XR550 Control Panel

ZONE INFORMATION
WIRELESS? **NO** YES

Wireless

Select **YES** to program this zone as a DMP wireless zone. Program the wireless House Code prior to adding DMP wireless zones to the system. Default is **NO**. See *House Code* in System Options.

COMP WLS? **NO** YES

Competitor Wireless

Select **YES** to program this zone as a wireless zone if using the 1100T Wireless Translator. Program the wireless House Code prior to adding wireless zones to the system. Default is **NO**. See *House Code* in System Options.

COMP WLS SRL #: -

Competitor Wireless Serial Number

If using an 1100T Wireless Translator, you can press the first top row select key and manually enter the eight character serial number found on the wireless device. Once the signal is detected and read, the device serial number displays on the keypad screen.

To transmit the serial number to the panel automatically, select the LRN option. When TRANSMIT NOW appears on the keypad, tamper the transmitter that is being paired. Once the panel has received the tamper signal, the serial number displays on the keypad.

TRANSMITTER
SERIAL#: XXXXXXXX

Serial Number Entry

Enter the eight-digit serial number found on the DMP wireless device. Already In Use displays when the serial number is already programmed for another zone. The programmed zone number displays.

TWO BUTTON?
NO YES

Two Button

This option only displays when programming 1144 Key Fobs as panic zones. Select **NO** to use the key fob as a 1-button panic. Select **YES** to use the key fob as a 2-button panic. Default is **NO**.

TRANSMITTER
CONTACT: XXXXXXXX

Contact

Transmitter Contact displays if the serial number entered is for an 1101, 1103, or 1106 Universal Transmitter, or 1114 Wireless Four-Zone Expander. Press any select key or area to select the contact.

TRANSMTR CONTACT
INT EXT

Select **INT** to use the internal reed switch contacts. Select **EXT** to connect an external device to the 1101, 1103, or 1106 terminal block. Default is **INT**.

By allowing both of the transmitter contacts (INT and EXT) to be used at the same time, two zones may be programmed from one transmitter. When using both contacts, use consecutive zone numbers. The same serial number is used for both zones.

TRANSMTR CONTACT
1 2 3 4

Contact Selection option displays when programming the 1114 Wireless Four-Zone Expander with four input contacts. The same serial number is used for all four contacts. Select the contact number to program. When using the contacts, use consecutive zone numbers. Default is **Contact 1**. A tamper on the 1114 is transmitted as the zone number assigned to Contact 1.

ALREADY IN USE
ZONE NUMBER: XXX

Already In Use message displays when the Contact is already programmed for another zone. The programmed zone number displays.

ZONE INFORMATION
NORM OPN NO YES

When EXT is selected as the Contact type, external devices connected to the 1101, 1103 or 1106 terminal block, select NO to use normally closed (N/C) contacts. Select YES to use normally open (N/O) contacts. Default is **NO**.

TRANSMITTER
SUPRVSN TIME: 240

Supervision Time

Press any select key or area to select the supervision time required for the wireless zone. Press **CMD** to accept the default time. Default is **240 minutes**. For supervision information, refer to the *Wireless Check-in and Supervision Definitions* in the Appendix.

SELECT MINUTES:
0 3 60 **240**

Press the select key or area under the required number of minutes. The transmitter should check in at least once during this time or a missing condition is indicated for that zone. 1100 Series transmitters automatically check in based on the supervision time selected for the wireless zone; no additional programming is needed. If two zones share the same transmitter, the last programmed supervision time is stored as the supervision time for both zones. The number 0 indicates an unsupervised transmitter.

The 3 minute supervision time is only available for zone types of Fire (FI), Fire Verify (FV), Supervisory (SV), and Carbon Monoxide (CO).

When the panel is reset or a receiver is installed or powered down and powered up, the supervision timer restarts for all wireless zones.

LED OPERATION
NO **YES**

LED Operation

Select **YES** to turn on an 1142 Hold-up transmitter LED during Panic or Emergency operation. Select **NO** to turn the LED off during Panic or Emergency operation. The LED always operates when the transmitter case is open and the tamper is faulted. Default is **YES**.

DISARM DISABLE
NO **YES**

Disarm/Disable

Select **YES** to disable the Zone Tripped message from 1101/1102/1106 Universal Transmitters (Version 108 of higher software), 1103 Universal Transmitters (Version 107 or higher software) or 1122/1126/1127 PIRs during the disarmed period. When disarmed, the transmitter or PIR only sends Supervision, Tamper, and Low Battery messages to extend transmitter battery life. For transmitters, a Zone Tripped message is sent if the zone remains tripped for 20 seconds. Select NO to always send Zone Tripped messages in addition to Supervision, Tamper, and Low Battery. Default is **YES**.

WIRELESS PIR
PULSE COUNT: **4**

PIR Pulse Count

Select **2 or 4** infrared pulses that the 1122, 1126, or 1127 PIR should sense before sending a short message to the 1100XH Series Receiver. Default is **4**.

WIRELESS PIR
SENSITIVITY: **LOW**

PIR Sensitivity

Select the sensitivity setting for an 1122, 1126, or 1127 PIR. Select **LOW** for the PIR to operate at 75% sensitivity for installations in harsh environments. Select **HIGH** to set the PIR to maximum sensitivity. Default is **LOW**.

WIRELESS PIR PET
IMMUNITY: **NO** YES

Pet Immunity

This option displays for the 1122 Wireless PIR Motion Detector. Selecting **YES** to enable pet immunity for animals up to 55 pounds. Default is **NO.**

NEXT ZONE NO YES

Next Zone

Select **YES** to return to the ZONE NO: - option to program a new zone. Select **NO** to display the Alarm Action option. Press **CMD** to continue.

VPLEX DEVICE
SERIAL #: XXXXXXXX

V-Plex Serial Number Entry

If installing a 736V V-Plex module, enter the eight-digit serial number found on the V-Plex device. The serial number starts with the letter A, followed by a 7-digit serial number. In the address, A indicates that the device is a Honeywell product.

ALARM ACTION . . . .

Alarm Action

This option allows you to change any Zone Type standard definitions. When the Zone Type is specified, the Alarm Action for that zone is stored in memory.

DISARMED OPEN

Disarmed Open

This option defines the action taken by the panel when the zone is opened while the area is disarmed. There are three actions to define: Report to transmit, Relay Output to activate, and Relay Output action. Make these selections for the Disarmed Short, Armed Open, and Armed Short zone conditions. Press **CMD** to continue.

MSG: TROUBLE
A T L -

Report to Transmit

Press any select key or area to display the following report options: A, T, L, S, C, and - (dash).

ALARM: Select **A** to send an alarm report to the receiver and activate the bell output according to zone type. The zone name appears in the panel alarmed zones and status lists.

TROUBLE: Select **T** to send a trouble report to the receiver. The zone name appears in the panel alarmed zones and status lists.

UL requirements prevent the Alarm (A) and Trouble (T) action for Fire (FI), and Fire Verify (FV) zone types from being changed.

LOCAL: When you select **L**, an alarm report is NOT sent to the receiver. The bell output activates and the zone name appears in the panel alarmed zones and status lists.

- (Dash): When you select a **– (dash)**, reports are note sent to the receiver. The bell output does not activate, and there is no display in the panel alarmed zones or status list. Only the relay output selected in the next section operates.

D S C

DOOR PROPPED: Select **D** for the ENTRY DLY 4 in the System Option section to begin to count without displaying on keypad. If the time expires and the zone has not returned to normal, the keypad trouble buzzer starts and CLOSE THE DOOR appears on the keypads programmed into the PREWARN ADDRESS section. The time programmed into ENTRY DLY 4 begins to count down again internally. If the time expires a second time, and the zone has not returned to normal, the output (if programmed in zone information) triggers, and a fault report is sent to the receiver and the zone name - OPEN message displays on the keypads until a code is entered.

SENSOR RESET: When the zone state changes, the bell is silenced, a Sensor Reset is performed, and a Alarm Bell Silenced Message (S34) is sent.

CANCEL AMBUSH: Select **C** for the zone to cancel the Early Morning Ambush timer and stop an Ambush message from being sent to the receiver. Faulting the zone takes the place of a second user code being entered at the keypad and is only available for non-fire type zones. Area assignment for the zone does not affect this option.
See *Early Morning Ambush* in Area Information.

OUTPUT NO: 0

Output Number

You can specify any of the Relay Outputs on the panel to be activated by a zone condition (1 to 6, 500 to 999 if Model 716 used, D01 to D16, G1 to G20). The output can be activated regardless of the report to transmit or whether or not the zone is programmed as local. An output activated by an armed zone is turned off when the zone area is disarmed by a user.

To enter an output number, press any select key or area followed by the output number. Press **CMD**.

OUTPUT: NONE

Output Action

Output Action allows you to assign an output action to the relay: Steady, Pulse, Momentary, or Follow.

STD PLS MOM FOLW

STEADY: The output is turned on and remains on until the area is disarmed, an output cutoff time expires, or the output is reset from the keypad menu.

PULSE: The output alternates one second on and one second off.

MOMENTARY: The output is turned on only once for one second.

FOLLOW: The output is turned on and remains on while the zone is in an off normal, or bad condition. When the zone restores, the output is turned off.

For Day Zone types, when an output is turned on, a user code with silence authority can turn the output off.

Disarmed Short, Armed Open, and Armed Short

After you make the three selections in the sections above, the display prompts for the same three selections for Disarmed Short, Armed Open, and Armed Short conditions. If the zone is a 24-hour type, only the Armed Open and Armed Short conditions display. When you have programmed all of the zone conditions, the Swinger Bypass selection then displays.

SWGR BYP NO **YES**

Swinger Bypass

Select **YES** to allow the zone to be swinger bypassed by the panel according to the specifications programmed in Swinger Bypass Trips and Reset Swinger Bypass. The Bypass condition displays in the keypad Status List. Select **NO** to disable swinger bypassing for this zone. Default is **YES**.

If within one hour a zone trips the total number of times as specified in Swinger Bypass Trips, the panel bypasses it until the following conditions occur:

- The area in which the zone is assigned is disarmed
- The zone is manually reset through the Bypass Zones? keypad User Menu function
- The zone remains normal for one hour and the Reset Swinger Bypass is YES.

If the zone trips fewer than the specified times within one hour, the bypass trip counter returns to 0 (zero) and the process should be repeated.

A report of the swinger bypass is sent to the receiver if Bypass Reports is set to YES.

PREWARN KEYPADS:

Prewarn Keypad Addresses

At the entry delay start, all keypad addresses selected here display ENTER CODE:-. If you want the prewarn to sound at all 16 addresses, leave the default setting.

To delete an address, press the matching number on the keypad. To disable prewarning at all keypads, press any select key or area to clear the addresses shown. Press **CMD** when the address selection is complete.

The prewarn tone stops at the keypad where the first user code digit is entered. If no keys are pressed for five seconds or an invalid user code is entered, the prewarn tone resumes at that keypad.

CHIME: DOORBELL

Chime

This option is only shown for Night, Exit, and Instant zones. Select **NONE**, **DB** (doorbell), **ASC** (ascend), or **DSC** (descend) to assign that tone to a zone. Default is **DOORBELL** for Exit zones and **NONE** for Night zones.

ENTRY DELAY: 1

Entry Delay

Select the entry timer for this zone. Entry timers 1 to 4 are programmed in System Options.

RETARD **NO** YES

Zone Retard Delay

When you select **YES**, the zone operates with the zone retard delay. The retard functions only in zone short conditions. The zone should remain shorted for the full length of the retard delay before the panel recognizes its condition. If you select **NO**, the zone operates without a retard delay. Default is **NO**.

PRESGNL KEYPADS:

Presignal Keypad Addresses

You can enable any combination of keypad addresses to sound a presignal tone during the time a zone is in retard delay. The presignal tone silences when the zone restores or the retard delay expires. To enable a presignal address, press any select key or area followed by the number of the keypad address. You can enable the presignal for all 16 keypad addresses. To disable a presignal address, press the matching number digit again. Press **CMD** when the address selection is complete. The Presignal option is only displayed when Retard is selected as YES.

FAST RSP **NO** YES

Fast Response

Select **YES** to provide a zone response time of 167ms. Select **NO** to provide a normal zone response time of 500ms. Zones 500 to 999 have a fixed response time and do not display this option. Default is **NO**.

CRS ZONE NO YES

Cross Zone

Select **YES** to enable cross zoning for this zone. Cross zoning requires one or more armed zones to fault within a programmed time before an alarm report is sent to the receiver.

When the first cross zoned zone trips, the cross zone time specified in System Options begins to count down. When a second cross zoned zone trips or the first zone trips a second time before the end of the count down, the bell action assigned to the zone activates and the panel sends an alarm report for both zones.

If no other cross zoned zone trips before the cross zone time expires, the panel sends only a zone fault report to the receiver.

Cross zoning is not compatible with all zone types. You cannot enable cross zoning for Fire verify zones or for any Fire zones that have Retard Delay enabled.

PRIORITY NO YES

Priority Zones

Select **YES** to provide additional protection for the premises by requiring this zone to be in a normal condition before its assigned area can be armed.

FIRE PANEL SLAVE INPUT: **NO** YES

Fire Panel Slave Input

This option is available on Fire Zones (FI) only and allows a fire zone the ability to provide slave communication operation for a separate fire alarm control panel. If **YES** is selected, this zone transmits a restoral immediately when restored by the fire panel being monitored. A sensor reset is not required to generate the restoral message.

If **NO** is selected, this zone operates e as a standard fire type zone and a sensor reset is required before the zone returns to normal. Default is **NO**.

FOLLOW AREA: **0**

Area Follower

This option allows Night, Day, Aux 1, or Aux 2 burglary zones to be delayed by following any exit or entry delay that is currently running in the area that is specified. Default is **0**.

ZONE REAL TIME STATUS **NO** YES

Zone Real-Time Status

Select **YES** to allow Real-Time Status reports, such as Door Open or Closed with zone number, to be sent using PC Log reporting. Select **NO** to disable Real-Time Status for this zone. Default is **NO**.

TRAFFIC COUNT **NO** YES

Traffic Count

Traffic Count is only displayed for NT, EX, and IN type zones. Select **YES** to provide reporting to the receiver of the number of zone trips while in a disarmed state. The number of trips will be included with the area closing message and reported to the monitoring center automation system. Traffic Count data for the 10 lowest numbered zones with Traffic Count set to YES is also sent to the Virtual Keypad App if enabled at dealer.securecomwireless.com. Default is **NO**.

ZONE AUDIT DAYS:

Zone Audit Days

Enter the number of days from **0 to 365** to allow to elapse without the zone being tripped before a fault message is sent. The message is sent to the receiver(s) programmed to receive Supervisory/Trouble Reports at 10:00 am following the expiration of the timer. Each time the zone is tripped, the Zone Audit Days timer restarts and begins to countdown the number of days programmed. After the countdown expires, a fault message is sent and the Zone Audit Days timer restarts and begins to countdown the number of days programmed. This is available for all zone types except fire and fire verify. Enter **0** (zero) to disable this function. Default is **0** (zero).

REPORT WITH ACCT NO. FOR AREA: **0**

Report with Account Number for Area

This option is only available for 24-hour zone types (Fire, Fire Verify, Panic, Emergency, or Supervisory).

Enter the area number from 1 to 32 to assign as a 24-hour zone type. This option sends the account number of the programmed area with messages. If the entered area number does not exist or is not valid, the account number programmed in the Communication section is sent. Select **0** (zero) to have the report sent with the account number programmed in Communication. Default is **0**.

LOCKDOWN:
NO YES

Lockdown

This option is available when programming a Panic type zone. Select **YES** to trigger a lockdown when a panic zone is tripped. Default is **NO**.

1144 SERIES KEY FOBS

For an 1144 Series Key Fob, set the House Code from **1 to 50**. See *House Code* in System Options. Only zones 400 to 449 can be programmed as key fobs using 1144 Series Wireless Key Fobs. Refer to the 1100 Series Key Fob Programming Sheet (LT-0706) supplied with the 1100XH Series Wireless Receiver and the 1144 Series Key Fob Install Guide (LT-1449) as needed.

Note: 1144 Series Key Fobs can also be programmed as 1-button or 2-button wireless panic zones. For XR150 panels, the available zone range is 500-599. For XR550 panels, the available zone range is 500-999. Programming key fobs as panic zones requires the following firmware versions:

- XR Series Control Panels Version 243
- 1100XH Series Wireless Receivers Version 209/309

To operate arming and disarming properly, the Key Fob should be assigned to a User Number with appropriate area assignments; however, the User Number does not have to exist at the time the Key Fob is programmed. The Key Fob User Number can be added later by the User.

The following programming continues from the Zone Number section when zone 400-449 is selected.

KEY FOB USER
NUMBER: XXXX

Key Fob User Number

Enter the User Number from **1 to 9999** used to identify the key fob user and their arming and disarming authority. Default is **blank**.

USER XXXX
NOT IN USE

User Not in Use displays when the User Number entered does not exist in User Code programming. The key fob can be added, but the user should eventually be added for the key fob to operate.

TRANSMITTER
SERIAL#: XXXXXXXX

Key Fob Serial Number

Enter the eight-digit serial number found on the wireless device.

TRANSMITTER
SUPRVSN TIME: 0

Key Fob Supervision Time

Press any select key or area to select the supervision time required for the key fob zone. Press **CMD** to accept the default time. Default is **0** for key fobs.

SELECT MINUTES:
0 60 240

Press the select key or area under the required number of minutes. The key fob should check in at least once during this time or a missing condition is indicated for that zone. 1144 Series key fobs automatically check in based on the supervision time selected for the wireless zone; no additional programming is needed. The number 0 (zero) indicates an unsupervised transmitter.

When the panel is reset or a receiver is installed or powered down and powered up, the supervision timer restarts for all wireless zones.

NO. OF KEY FOB
BUTTONS: X

Number of Key Fob Buttons

Enter the number of buttons (1, 2, or 4) on the key fob being programmed.

If the key fob is a one-button model, programming continues at the Button Action section. Default button assignment for one-button key fobs is a Panic Alarm (PN) with no output assigned.

BUTTON:
TOP BTM LFT RGT

Key Fob Button Selection (Four Buttons)

If the key fob being programmed is a four-button model, press the select key or area under the key fob button to program. The following list identifies the default button assignments:

TOP: Arming with no areas assigned

BTM: Disarming with no areas assigned

LFT: Panic Alarm (PN) with no output assigned

RGT: Arming with Area 1 assigned

BUTTON:
TOP BTM

Key Fob Button Selection (Two Buttons)

If the key fob being programmed is a two-button model, press the select key or area under the key fob button to program. The following list identifies the default button assignments:

TOP: Arming with no areas assigned

BTM: Disarming with no areas assigned

BUTTON ACTION
YYY: XXXXXXXX

Button Action

Specify the Button Action for an individual key fob button. The default action for the button selected displays. Press any select key or area to display the Button Action options. To view more options press **CMD**.

YYY is the name of the button being programmed (TOP, BTM, LFT, RGT).

BUTTON ACTION
ARM DIS TGL STA

ARM: Arms selected areas and force arms bad zones.

DIS (Disarm): Disarms selected areas.

TGL (Toggle Arm): Toggles arm/disarm for selected areas and force arms bad zones when arming.

STA (Status): Causes the key fob LED to indicate the arm/disarm status of the system.

BUTTON ACTION
PN PN2 EM EM2

PN (Panic): Triggers a Panic zone type alarm with no restoral.

PN2 (Panic 2): Triggers a Panic zone type alarm with no restoral when pressed simultaneously with any other Panic 2 button. No action occurs when pressed alone.

EM (Emergency): Triggers an Emergency zone type alarm with no restoral.

EM2 (Emergency 2): Triggers an Emergency zone type alarm with no restoral when pressed simultaneously with any other Emergency 2 button. No action occurs when pressed alone.

BUTTON ACTION
OUT RST UN

OUT (Output): Causes an output to turn on steady, pulse, momentary, toggle, or off.

RST (Sensor Reset): Causes the panel to perform a standard Sensor Reset.

UN (Unused): The button is not used and performs no action.

BUTTON
PRESS TIME: XXXXX

Button Press Time

Button Press Time specifies the amount of time (SHORT or LONG) that the user should press the button before the key fob sends a message to the wireless receiver. The default press time displays. Press any select key or area to set the Button Press Time for Arm, Disarm, Toggle, Status, Output, and Sensor Reset.

PRESS TIME:
SHORT LONG

SHORT: Press the button for one-half (1/2) second to send the message to the wireless receiver.

LONG: Press the button for two (2) seconds to send the message to the wireless receiver.

ARM/DIS AREAS

Arm/Disarm Area Selection

In an Area system or Home/Sleep/Away with Guest system, this specifies the areas to be armed/disarmed by the Key Fob button being programmed. To select an area between 1 and 32, enter the area number using the keypad digit keys. Default is no areas enabled.

In order to arm or disarm selected areas, the Profile assigned to the User Number needs to have the same area numbers selected. Any area may be selected at Arm/Disarm Areas but only matching area numbers are armed or disarmed when the specific button is pressed.

When more areas are selected at Arm/Disarm Areas than are authorized in the User Profile, the user can be given access authority to additional areas through the User Profile without requiring additional panel programming to select Arm/Disarm Areas.

ARM AREAS: PERIM

In an All/Perimeter or Home/Sleep/Away system, this specifies the area to be armed by the Key Fob button being programmed. For All/Perimeter systems, select PERIM or ALL, for Home/Sleep/Away or Home/Away systems, select HOME, SLEEP, or AWAY.

Areas 3 and higher in an All/Perimeter system, and areas 4 and higher in a Home/Sleep/Away system are not available for use.

After selecting the areas, for one-button key fobs, the Zone No.: option displays.
For two-button or four-button key fobs, the Key Fob Button Selection option displays to program additional buttons.

OUTPUT NO: XXX

Output Number

You can specify any relay Output/Favorite to operate when OUT (Output), PN (Panic), PN2 (Panic 2), EM (Emergency), or EM2 (Emergency 2) is selected for a key fob Button Action and the button is pressed. Valid range is 1 to 6, 500 to 999, D01 to D16, F1 to F20, or G1 to G20. For an output turned on by a PN, PN2, EM, or EM2 button action, the output turns off when any area is disarmed.

To enter an output/Favorite number, press any select key or area followed by the output/Favorite number. Press **CMD**.

OUTPUT ACTION:
YYY: XXXXXXXX

Output Action

Output Action allows you to define the output action (STD, PLS, MOM, TGL, OFF) for the selected output number. The default is Steady.

yyy is the name of the button being programmed (TOP, BTM, LFT, RGT).
xxxxxxxx is the currently defined output action.

OUTPUT ACTION?
STD PLS MOM TGL

STD (Steady): The output is turned on and remains on.

PLS (Pulse): The output alternates one second on and one second off. Pulse is not available for key fob button output programmed D1 to D16 or G1 to G20.

MOM (Momentary): The output is turned on only once for one second.

TGL (Toggle): The output alternates between the on state and off state. Each button press toggles the output state.

OUTPUT ACTION?
OFF

OFF: The output is turned off. If programmed, the output was turned on by some other means such as another button press, a zone action, or a schedule.

STOP

STOP

Stop

Save Programming

When any panel programming is changed, the stop routine should be run and **Saving Program** displays on the keypad to save the programming changes.

At the STOP option, press any select key or area to exit the Programmer function of the panel. When selected, the panel performs an internal reset and exits the programmer.

The STOP routine causes the following conditions to occur:

- All 1100 Series DMP Wireless transmitters are reset to NORMAL.
- The panel Status List is cleared and all programming changes are saved.
- The STOP option does not disarm the system. Any new areas or zones that were added during programming are not armed until the system is disarmed and armed again.

Missing LX-Bus™ Modules Displayed

The Programmer includes a feature following the STOP routine that displays the name of any programmed LX-Bus module not currently connected to the panel.

Power Up

When the panel is powered up after an AC power failure, any zone transitions are not recognized for 60 seconds. Normal zone processing resumes at the end of the 60 seconds.

SET LOCKOUT CODE

SET LOCKOUT CODE

Set Lockout Code

Press **CMD** at the STOP option to display SET LOCKOUT CODE. This allows you to program a code that is then required to gain access to the panel internal Programmer through the keypad. You can change this code at any time to any combination of numbers from three to five digits long. You do not need to enter leading zeros when using the lockout code. Initializing the panel does not clear a Lockout Code. Lockout Codes can be changed through Dealer Admin, Virtual Keypad, and Remote Link™.

Once you have changed the code, it is important to write it down somewhere and store it in a safe place. Lost Lockout Codes require the panel to be sent back to DMP for repair. You may cancel a Lockout Code by entering 00000 at the Set Lockout Code command.

Lockout Code restriction

Do not set a Lockout Code higher than 65535.

FEATURE UPGRADE

FEATURE UPGRADE

Feature Upgrade

In the Programming Menu, press **CMD** at the SET LOCKOUT CODE option to display FEATURE UPGRADE. This allows you to enable additional features in the panel. Press any select key or area to display the first available feature. ENABLED or DISABLED displays indicating whether this feature is currently used in this panel. Press **CMD** to display additional feature(s).

ENTER KEY
-

Enter the factory-supplied feature key for the specific panel and press **CMD**. The feature specific to the key displays as ENABLED.

If the feature key entered is not accepted, the ENTER KEY option displays again. Re-enter the feature key and press **CMD**.

ENCRYPTION
DISABLED

Encryption

Enable this feature to provide 128-bit or 256-bit AES data encryption. This feature upgrade can only be enabled on an XR550 Control Panel with network. To verify encryption installation, access System Status in the User Menu to verify the encryption status (OFF, ON). If the status displays OFF, a Passphrase has not been entered in Network Options and data transmissions are not encrypted. See *Network Options* to set up a Passphrase.

ALL NO YES OPTIN
DISABLED

All No Yes Option

This feature offers the ability to disable the ALL NO YES option at arming or disarming. When this feature is enabled, the ALL NO YES option does not display at any system keypad during arming or disarming. Each area assigned to the user profile is chosen to be armed or disarmed independently.

SVC USER AUTH
DISABLED

Service User Authentication

This feature offers the ability to authenticate service personnel before allowing access to panel programming or performing any user operations. When this feature is enabled and a valid Service User code is entered for system operation, or 6653 is entered for programming, the Service Code entry option displays.

When the service person enters the Service Code, the panel authenticates the code with the Service Code preprogrammed in the SCS-1R receiver and access to panel programming or the User Menu is granted. The Service Code can be used for system operation for 30 minutes before authenticating again. If the code entered is not validated, access to programming or the User Menu using the Service User code is denied. The Service User code is user number zero (0) and can only be created in the panel remotely.

32 DOOR ADD ON A
DISABLED

32 Door Add On A/ 32 Door Add On B

This feature upgrade is only compatible with XR550 Control Panels with Version 111 firmware or higher. Enable this feature to increase the door capacity for a maximum of 64 or 96 doors by applying purchased feature keys. XR150 Control Panels are incompatible with this feature upgrade.

32 DOOR ADD ON B
DISABLED

32 Door Add On A adds 32 more doors available on the AX-Bus for a total of 64 doors.

32 Door Add On B adds another 32 doors to the AX-Bus for the maximum of 96 doors.

Purchasing Feature Upgrades

If you would like to purchase a feature upgrade, the authorized purchasing agent for your company may contact DMP Customer Service in writing via e-mail (CustomerService@DMP.com) or call (866) 266-2826 from 8 AM to 5 PM CST. Include the upgrade feature(s) to enable and the panel serial number(s) on the request. A separate feature key is issued for each panel. The feature key only enables the requested feature on the specified panel. The panel serial number can be located in several different ways:

- Printed on a label located on the right side of the PCB.
- Using Dealer Admin
- Using panel diagnostics. See the *Appendix.*
- Using Remote Link™ (Version 1.18 or greater). See the Remote Link™ User's Guide.

APPENDIX

FALSE ALARM REDUCTION

System Recently Armed Report

The System Recently Armed Report (S78) is sent to the receiver when a burglary zone goes into alarm within two minutes of the system being armed.

DIAGNOSTICS FUNCTION

The panel contains a Diagnostics function that allows you to test the communication integrity of the LX-Bus™, identify individual zones, and also display the present electrical state of any zone. The Diagnostics function also allows you to test the integrity of the cellular communication, and cellular signal.. To use Diagnostics, reset the panel, enter the Diagnostics code 2313 (DIAG), and press **CMD**.

Test LX-Bus

This function allows you to test the ability of the panel to communicate with zone and output expander modules connected to the LX-Bus circuits.

To continue, press any select key or area. The keypad displays LX-BUS:. Using the digit keys, enter the LX-Bus number, 1 to 5, to test that LX-Bus circuit. The keypad now displays ADDRESS: - . Enter a 2-digit LX-Bus device address and press **CMD**. When testing LX-Bus devices, enter only the addresses to which the modules have been set. Press any select key or area when TEST LX-BUS displays.

A device address is not the same as a zone number. If you are testing 714 or 715 Zone Expander Modules, which each contain four zones, the device address is the first zone number. When the panel polls a 714 on the LX-Bus, it recognizes it as a four zone device and does not poll the remaining three zones. The 714 module internally polls the remaining zones and transmits any status changes to the panel. This greatly reduces the amount of time it takes the panel to poll all LX-Bus devices.

The keypad next displays TESTING . . . STOP during the device testing. At any time, you can select STOP to end polling. The panel records the number of no responses from the device. If all polls are received back by the panel correctly, the keypad displays 00000/65535 FAIL.

If one or more polling attempts fail, the keypad displays * * * * */65535 FAIL with the * representing the number of failed polling attempts. A display of 65535/65535 FAIL indicates a problem with the interface card or its LX-Bus wiring such as a bad or broken wire, harness not properly connected, or excessive noise or distance. It can also mean that a zone number was entered that did not match a device address. Press the Back Arrow key to enter a new device address or press **CMD** to exit the TEST LX-BUS.

Zone Finder

The second Diagnostic function is the Zone Finder. Press **CMD** to display ZONE FINDER. This function allows you to identify individual zones on devices connected to the LX-Bus of an interface card, the panel, or any zones on the keypad data bus. To use ZONE FINDER, press any select key or area. The display changes to FAULT ZONE. The next zone on the system that changes from a normal to an open or shorted state is displayed as ZONE NO: * * *. To continue, press the Back Arrow key.

Zone State

Press **CMD** to display the third Diagnostic function: ZONE STATE. This function allows you to enter any zone number and check its current electrical state (Normal, Open, or Shorted). Press any select key or area. The display changes to ZONE NUMBER: _ . Enter in the zone number you want to check and press **CMD**. The panel displays the current state of the zone as NRML (normal), OPEN, or SHORT.

LX-Bus Status

The fourth Diagnostic function is the LX-BUS STATUS. This function allows the panel to poll all devices connected to the LX-Bus of an interface card and check for any Overlapped, Missing, or Extra addresses. Below is a description of each status item:

Overlap: An overlap occurs when one device address is the same as any of the last three zones on another 714 or 715. The overlap feature cannot determine when two devices have the same address.

Missing: A missing occurs when a zone between 500 and 999 has been programmed in ZONE INFORMATION and no device with that zone address has been installed on the LX-Bus. To correct the problem, check your zone programming and zone expansion module addressing.

Extra: A device is installed on the LX-Bus but none of its zones are programmed into the system.

MAC Address

Short for Media Access Control address. This hardware address uniquely identifies each network node. Not to be confused with an IP address, which is assignable. In the Diagnostics function, the MAC address is the panel on-board network hardware address. Press any select key or area to display the panel MAC address. Press **CMD** to view the next option.

Serial Number

This number is the network communicator serial number. Reference this number for communicator date-of-manufacture, hardware version, etc. Press any select key or area to display the Serial Number. Press **CMD** to view the next option.

Loader Version

This display is for factory use only. Press any select key or area to display the factory Loader Version. Press **CMD** to view the next option.

Current Flash

This option displays Flash 1 or Flash 2 indicating which physical flash chip the panel is currently using. Press select key or area to display the current flash information. Press **CMD** to view the next option.

Carrier Selection

This option is only available when DualSIM is active. In the event that remote connectivity is unavailable, carrier options can be manually switched on the keypad. To select a single carrier, press **ATT** or **VZW.** To use DualSIM operation, select **BOTH.**

Signal Strength Test

If DualSIM is activated**,** the panel automatically selects a primary carrier (AT&T or Verizon) when the panel is turned on. Once the primary is established, the panel tests the signal strength of the primary every hour. During the test, if the primary's signal drops by 10db or more, the panel then tests the backup carrier. If the backup has a stronger signal, it becomes the new primary. Every five hours, the panel automatically tests the backup's signal strength to determine the stronger signal.

Communication Status

This option tests the individual components of cellular or network communication. The displayed results are shown below.

Note: If DualSIM is active, an option to select **ATT** or **VZW** appears before testing proceeds. Select one of the carriers to test it.

Cellular Results

Successful Display	Failure Display
MODEM OPERATING	NO MODEM FOUND
IDENTIFIED	NO SIM CARD
TOWER DETECTED	NO TOWER
REGISTERED	NOT REGISTERED

This displays the cellular signal strength of the nearest tower for the SIM card carrier. The ▌'s represent the signal strength 0-7. Select YES to continue through the remaining component tests. Select NO to stop testing and return to the COMM STATUS option.

Successful Display	Failure Display
CONNECTED	CONNECT ERROR
	NOT ACTIVATED
COMM PATH GOOD	NO ACK RECEIVED

Network Results

Successful Display	Failure Display
LINK OK	LINK ERROR
DHCP OK	DHCP ERROR
GATEWAY FOUND	NO GATEWAY
DEST FOUND	NO DESTINATION
COMM PATH GOOD	NOT CONNECTED NO ACK RECEIVED

Cellular Signal Strength (CELL SIGNAL)

This option provides a way to test the cellular signal strength of the nearest tower for the SIM card carrier. Press any select key or area to display cell signal strength. The X's represent the numerical value of the cell signal strength in -dBm. The ▌'s represent the signal strength 0-7.

Wi-Fi Signal Strength (Wi-Fi SIGNAL)

This option tests the signal strength of the selected SSID. Press any select key or area to display Wi-Fi signal strength. The ▌'s represent the signal strength 0-7.

WI-FI SIGNAL STRENGTH	
NUMBER OF BARS	**INDICATION**
7	**Good Signal** (Excellent for consistent operation)
6	
5	
4	**Average Signal** (Expect consistent operation)
3	
2	
1	**Weak Signal** (Will not operate reliably. Relocate Wi-Fi equipment or add a Wi-Fi extender for better reception.)
0	**No Signal**

PC Programming

This allows the user to Remote Program the panel through Remote Link and Dealer Admin, or by using a 399 cable attached to LX500. When the select key or area is pressed, the panel displays PROGRAMMING... at the keypad for the duration of the Remote Session. Once the session has ended, or if no Remote Link™ connection has been established after one minute, the keypad displays RECONNECT LX BUS.

When using the 399 cable to program the panel, the connection type should be "Direct" and the baud rate set to 38400. This connection may be used for all Remote Programming, including Remote Update.

Z-Wave Information

This option allows the installer to view the hardware and software level of the 738Z that is connected to the system.

Test Z-Wave Option

This feature allows the installer to test panel communication with Z-Wave devices. A successful test indicates a response from a device. Press any select key or area to view the Z-Wave Device List.
Press **CMD** to advance through each Z-Wave device and press any select key or area to begin the test on the device displayed.

The name of the device displays above the device number. The current number of successful communications followed by the total number of attempts displays to the right of the device number. The test stops after 99 attempts.

Press **CMD** to view the final number of successful communications.

Exiting the Diagnostics Program

Press **CMD** until **STOP** displays. Press any select key or area. The keypad returns to the Status List display.

USING THE 984 COMMAND FUNCTION

This feature allows connection to a service receiver, which is used primarily to bring a new account on-line and upload panel programming completed in Remote Link™.

The function 984 + **CMD** can be entered at the keypad, and a remote options menu appears. This menu contains the following options:

NUMBER: Enter a phone number into the keypad for the panel to dial. Enter any required prefixes and area codes.

The panel dials each number as it is pressed. If you make a mistake, press the Back Arrow key. The panel stops dialing and return to the Status List.

You can enter up to 32 characters for the phone number. Once you have entered 16 characters the LCD display is full: Press **CMD** to enter the final 16 characters. Program a pause by entering the letter P. Program CID message communication by entering the letter T in the first position. Cancel call waiting by entering *70P as the first characters. Press **CMD** after you enter the phone number.

The panel calls the receiver connected to Remote Link™ to download the new programming. Remote Link™ then traps the panel.

The panel makes ten attempts to reach the receiver. While attempting to contact the receiver, if the panel needs to send an alarm report, the panel stops dialing and uses the phone line to send its report.

TEST: The panel allows you to perform a Communication Status Test on each component of the panel's cellular or network communication paths. Press the select key or area under TEST to allow the panel to perform a Communication Status Test. The display prompts the user for a user code to be entered. The user code must have the authority to perform a System Test.

Upon entry of a Cell or Network path when prompted, the test runs and the results display on the keypad. See Diagnostic Functions section for a description of the Communication Status results.

PICKUP: The panel picks up the phone line when Remote Link™ calls in. The phone must be ringing before selecting PICKUP. After completing panel programming in Remote Link™, connect to the panel by selecting Panel > Connect. For complete information about connecting to panels, refer to the Remote Link™ User's Guide (LT-0565) or Help File.

While the panel displays in the status list and the telephone line at the panel rings, enter 984 and press **CMD**. The keypad display changes to **NBR TEST PICKUP**. Press the select key or area under **PICKUP** to allow the panel to seize the line. The panel immediately seizes the phone line and sends a carrier tone to the receiver. A verification process occurs and, if successful, the panel grants remote access to its programming and Event Buffer.

After the panel has seized the line, send the file from Remote Link™ by selecting Panel > Send. Remote Link™ then uploads the new programming into the panel. You may also Request Events by selecting Panel > Request Events in Remote Link™. The panel begins sending the first event or access that occurred on or after the start date specified by Remote Link™ and finishes by sending the last event or access that occurred on or before the end date specified by Remote Link™. If necessary, a Request Events upload in progress can be cancelled.

KEYPAD DISPLAYS

When the PICKUP option is used, the keypad displays LINE SEIZED. This indicates that the panel has seized the line and is executing its program. If the line cannot be accessed, or if the PICKUP option is used before all connect attempts are made, the keypad displays SYSTEM BUSY.

USING THE WALK TEST

The panel provides a walk test feature that allows a single technician to test the protection devices connected to zones on the system. Conduct the Walk Test within 30 minutes of resetting the panel. The Walk Test automatically ends if no zones are tripped for 20 minutes. TEST IN PROGRESS displays at all keypads programmed with the same Display Areas features. When five minutes remain, TEST END WARNING displays. The Walk Test only tests zones assigned to the areas programmed into the keypad in Display Areas. If any areas are armed the Walk Test does not start and SYSTEM ARMED displays.

If the Panic Supervision option is enabled in SYSTEM OPTIONS, the panic button on any programmed key fob can be tested during the Walk Test. When the panic button is pressed a verification message is sent by the receiver.

WALK TEST

Walk Test

To conduct the Walk Test, reset the control panel by momentarily placing a jumper on RESET. From the keypad, enter the code **8144**. The keypad displays WALK TEST for four seconds. If the system is monitored and the communication type is DD or NET, the system sends a System Test Begin report to the monitoring center. After four seconds, the keypad displays the zone type choices for testing.

BG FI PN SV

Zone Types

Select the zone type you want to test. An asterisk next to the zone type indicates the zone type chosen for testing. Press the select key or area again to deselect the zone type. When you have selected all the zone types you want for testing, press **CMD** to display the next Walk Test option.

BG (Burglary zones): Select **BG** to test hardwired burglary zones. Includes all NT, DY, EX, A1, and A2 zones.

FI (Fire zones): Select **FI** to test hardwired fire zones. Includes all FI and FV zones.

PN (Panic zones): Select **PN** to test hardwired panic zones. Includes all PN and EM zones.

SV (Supervisory zones): Select **SV** to test hardwired supervisory zones. Includes all SV zones.

During the Walk Test, trip each zone device or button on the system for 1 to 2 seconds. You do **NOT** have to hold the zones for 2 seconds in normal mode for PN type zones. You are only required to hold the panic during the Walk Test because the zone takes additional time to report when the system is in test mode.

WLS PIR

WLS (Wireless Check-in Test): Select **WLS** to automatically test wireless transmitter communications. Includes all wireless devices except key fobs and transmitters programmed for a supervision time of 0 (zero).

PIR (Wireless PIR Walk Test): The PIR Walk Test allows the installer to verify the 1122, 1126, or 1127 operation. When enabled, the PIR LED flashes each time motion is detected for up to 30 minutes. This is a local test only and no messages are sent to the Central Station.

BELL NO YES PULS

Bell Action

This option selects the bell output action when a zone under test faults. This option allows the panel bell, and/or burglary bell, and/or fire bell to turn ON and then OFF each time a zone is tripped (opened or shorted).

Select **NO** for no bell output action during Walk Test.

Select **YES** to turn on any bell output for 2 seconds during Walk Test.

Select **PULS** to turn on any bell output for 1/4 second during Walk Test. Any LX-Bus device output turns on for 1.6 seconds due to the polling cycle.

TRIPS: XXX END

Trip Counter For Walk Test

Once in the Walk Test, walk around and trip each protective device. Continue tripping devices until the entire system is tested with each zone trip during the Walk Test:

- Keypad display increments each time a selected zone is opened or shorted
- The keypad buzzes for two seconds
- The panel sounds the alarm bells as programmed in Bell Action
- Each time a FI, FV, or SV zone trips, a Sensor Reset occurs.

If ENHANCED ZONE TEST is selected as YES, a Verify message is sent at the time the zone trip occurs instead of at the end of the Walk Test.

For FI, FV, SV, or CO zone types, the Verify message is sent at the initial trip.

For all other zone types, the Verify message is sent when the zone restores. This allows the Central Station to count the number of devices per zone.

Select **END** to stop the Walk Test. When the Walk Test ends or a 20-minute time-out expires, a final Sensor Reset occurs. The System Test End message is sent to the receiver along with Verify and Fail messages for each zone under test. Faulted zones then display on the keypad.

IN PROGRESS XMIN
CHECKIN: CC/TT END

Trip Counter For DMP Wireless Check-in Test (WLS)

This option displays the number of wireless zones that automatically communicate a supervisory check-in message. The test runs for a total of 5 minutes. During the 5 minutes, the transmitters are tested multiple times. At the end of the 5 minutes, the results display. A timer displays at the keypad to indicate that the test is in progress. In order for a transmitter to pass, it checks in 3 or more times. The results display which transmitters have failed the test.

The number of zones that check in. (CC in the example).

The total number of wireless zones programmed for supervision that should check in. (TT in the example).

CKIN:XXX/ZZZ END

Select **END** to stop the Wireless Test. When the test ends or a 5-minute time-out expires, normal wireless zone processing returns. If all transmitters check-in, both numbers match within 5 minutes. If a transmitter has multiple zones (1101, 1114, etc.), all zones are included in the counts. Failed wireless zones display on the keypad.

TEST END WARNING

Test End Warning

When five minutes remain on the 20 minute Walk Test timer, the keypad displays TEST END WARNING. If no additional test zone trips occur, the test ends and a final Sensor Reset automatically occurs. The System Test End message is sent to the receiver along with Verify and Fail messages for each zone under Walk Test. Faulted zones then display on the keypad.

Key fobs do not send failure messages in order to prevent functioning key fobs that are not present at the time of the test from being reported as MISSING.

ZONE: 10 -FAIL
SOUTH LOBBY

Failed Zones Display

For each zone that did not trip (failed), except key fobs, at least once during the Walk Test, all keypads with matching Display Areas display the zone name and number, and buzz for one second. Any selected (*FI *PN *CO *SV) 24-hour zone that is faulted at the end of the Walk Test displays a trouble condition for that zone regardless of the message programmed for the open or short condition of the zone, and a zone trouble is sent to the receiver. Press **CMD** to display the next failed zone.

For the Wireless Check-in Test, failed wireless zones display only on the keypad. Zone Verify/Fail reports are not sent to the monitoring center receiver for the wireless check-in test.

KEYPAD SPEAKER OPERATION

When using LCD Keypads, the panel provides distinct speaker tones from the keypad for Fire, Burglary, Zone Monitor, and Prewarn events. The list below details the conditions under which the speaker is turned on and off for each event.

Fire	**On** - Fire zone alarm and Bell Output or Fire Bell Output is ON.
	Off - Alarm Silence.
Burglary	**On** - Burglary zone alarm and Bell Output or Burglary Bell Output is ON.
	Off - Alarm Silence.
Zone Monitor	**On** - One time only when a monitored zone is tripped.
	Off - After one tone.
CO	**On** - CO zone alarm and Bell Output are ON.
	Off - Using Sensor Reset option while no additional CO type zones are in alarm.
Prewarn	**On** - During Entry Delay.
	Off - When Entry Delay expires.

CROSS ZONING

Caution must be taken when cross zoning devices to ensure that the Cross Zone Time is long enough to allow an intruder to trip both devices before it expires. A Cross Zone Time that is too short may allow an intruder to trip the devices and allow only a zone fault report be sent to the central station.

When a Cross Zoned zone trips a FAULT report is sent to the SCS-1R or SCS-VR Receiver. When two Cross Zoned zones trip within the Cross Zone Time, both zones send ALARM signals to the receiver.

USER PROFILES

A profile defines the authority of each user code in the system. Profiles are programmed in the Keypad User Menu. Several characteristics associated with each User Profile define its authority within the system. To effectively program an XR Series Control Panel, it's important to understand the interrelationship between profiles, devices, output groups, and areas. Below is a brief explanation of the User Profile elements. For more information about user profiles, refer to the User Profiles Record and the XR Series Users Guide (LT-1278).

Profiles cannot be changed via keypad in an All/Perimeter or Home/Sleep/Away system. Use the default profiles 1 through 10.

Profile Number: Each profile may be assigned a unique number from 1 to 99.

Profile Name: Each profile may be assigned a 32-character name. The Profile Number is the default name.

Area Number: Each profile may be assigned specific areas of the system for arming and disarming. When creating profiles 1 to 98, NO areas are assigned by default. The default for profile 99 is ALL areas assigned. Profile 99 is preprogrammed in the system at the factory.

Access Area Number: Each profile may be assigned door access area assignments. Default for profile 1 to 98 is NO areas assigned. Default for profile 99 is ALL areas assigned. Profile 99 is preprogrammed at the factory.

Output Group Assignment: Each profile may be assigned an output group number from 1 to 10. Default for profile 1 to 98 is NO output group assigned. Default for profile 99 is output group **10**. Your system may by programmed to turn on an output group at certain keypads when door access occurs.

User Menu Assignments: Each user profile may have any of the menus assigned to it as shown in the following User Profile Record. The User Profile Record lists the user menu profile assignments and the system functions users are allowed to access based on the profile numbers assigned to their codes. Always make sure that at least one administrator in your system has a profile with **all** authorities and areas.

First Access/Second Access: Each profile may be assigned two schedules to allow or restrict access and disarming times.

Inactive User Code Audit: This option allows you to choose the number of days a user code can remain unused before the panel sends an Inactive User Code message to the receiver and changes the user code to inactive. The range is 0-425 days. The default is 0. This feature is only available for XR550 Control Panels.

USER PROFILES RECORD

This User Profiles Record can be used as a tool when programming Devices, Profiles, Areas, and Output Groups. Because these programming options are interrelated, use this sheet to plan the system before you begin the installation and programming process.

Profile #	Profile Name	Arm/Disarm Areas	Access Areas	Output Groups	Arm	Disarm	Alarm Silence	Sensor Reset	Lockdown	Door Lock/Unlock	Door Access	Armed Area	Outputs On/Off	Zone Status	Bypass Zones	Zone Monitor	System Status	System Test	User Profiles	User Codes	Extend Schedules	Schedules	Time	Display Events	Service Request	Fire Drill	Temp User Code	Anti-passback	First Access, 1-99	Second Access, 1-99	Third Access, 1-99	Fourth Access, 1-99	Fifth Access, 1-99	Sixth Access, 1-99	Seventh Access, 1-99	Eighth Access, 1-99	Re Arm Delay	Easy Arm/Disarm	Sec Language	Card Plus Pin	Wi-Fi Setup	Technician User	Inactive User Audit Days 0-425	Dual Authority

WIRELESS CHECK-IN AND SUPERVISION DEFINITIONS

The supervision time programmed for DMP 1100 Series wireless is the number of minutes that must elapse before a transmitter missing message is generated for a transmitter that is not sending its automatically generated supervision message. The supervision time is programmable to 3, 60, 240 minutes. Selecting 0 (zero) disables supervision time.

ZONE TYPE DESCRIPTIONS

This section describes applications for the default Keypad and LX-Bus zone types in Zone Information programming.

-- (Blank Zone)

Customizable zone type. By default, no actions are programmed to occur with Blank Zone. A zone name must be entered to use this zone type: This zone type is not the same as an *UNUSED* zone.

NT (Night Zone)

Controlled instant zone used for perimeter doors and windows and interior devices such as PIRs and Glassbreak detectors.

DY (Day zone)

Used for emergency doors or fire doors to sound the keypad buzzer and display the zone name when the zone is faulted. Day zones also send alarm reports to the receiver during the system armed periods.

EX (Exit zone)

Initiates the entry delay timer when its assigned area is fully armed. Also, can initiate an exit delay timer to allow a user to exit an area after the arming process starts.

PN (Panic zone)

Used for connecting to mechanical devices that allow a user to signal an emergency alarm, including key fobs programmed as panic zones. Panic zones can provide either a silent or audible alarm with or without reporting to a central station receiver.

EM (Emergency zone)

These are used for reporting medical or other non-panic emergencies to the monitoring center receiver.

SV (Supervisory zone)

Used to provide 24-hour zone supervision to devices associated with fire systems. Typical applications are tamper switches on Post Indicator Valves (PIVs), gate valves, and low and high temperature gauges.

FI (Fire zone)

Used for any type of powered or mechanical fire detection device. Typical applications are for smoke detectors, sprinkler flowswitches, manual pull stations, and beam detectors. Retard, cross zoning, and presignal options are available for the Fire zone type.

FV (Fire Verify zone)

Used primarily for smoke detector circuits to verify the existence of an actual fire condition. When a Fire Verify zone initiates an alarm, the panel performs a Fire Reset. If any Fire Verify zone initiates an alarm within 120 seconds after the reset, an alarm is indicated. If an alarm is initiated after 120 seconds, the cycle repeats.

A1 and A2 (Auxiliary 1 and Auxiliary 2)

These zones are similar to a Night zone and are typically used to protect restricted areas within a protected premises.

AR (Arming zone)

This zone allows you to connect a keyswitch to a zone and use it to arm and disarm one or more areas.

CO (Carbon Monoxide)

This output turns on any time a Carbon Monoxide Zone (CO) is placed in alarm. The output is turned off using Sensor Reset option while no additional CO type zones are in alarm.

DB (Doorbell)

This zone type is intended for use for zones that are assigned to doorbells.

IN (Instant)

This provides a zone that does not follow entry or exit zones. Choose Instant if you need a zone that will not follow Entry or Exit delay.

COMMON KEYPAD MESSAGES

There are several common keypad messages that the keypad displays to inform the technician and end-user. The common messages are described below. Possible solutions are also provided.

MESSAGE	MEANING	POSSIBLE SOLUTIONS
INVALID AREA	The user has attempted a door access for an area they are not assigned.	Change the user access areas if access to the area is needed. If access is not needed, the user cannot enter the area.
INVALID CODE	The user code you entered is not recognized by the system.	Check the user code and try again.
INVALID PROFILE	A user attempted a function that is outside of the assigned profile.	Check the user profile settings.
INVALID TIME	A user code assigned to a specific schedule has entered outside of the valid schedule.	See Schedules and User Codes.
ENTER 2ND CODE	The area you are attempting to disarm or access is a Two Man Area.	A second and different user code must be entered.
CLOSING TIME	The scheduled has expired but the area is not armed.	Users still on the premise should arm the system or extend the schedule to a later time.
LATE TO CLOSE	The system was not armed at its scheduled closing time.	Users still on the premise should arm the system or extend the schedule to a later time.
FAILED TO EXIT	A user assigned the anti-passback option has attempted to re-enter an area from which they did not exit properly.	The user must exit the area through the proper door. If not possible, your system administrator should select the Forgive option in the User Codes menu.
AC TROUBLE	The system AC is low or missing.	Check that all AC connections are good.
BATTERY TROUBLE	The System battery is either low or missing.	Check that the battery connections are good and the battery is still good.
PHONE LINE 1 TROUBLE	There is trouble with the phone line supervision.	Plug in the phone line.
SYSTEM TROUBLE or SERVICE REQUIRED	There is a problem with one or more components in the system.	Make sure the RESET jumper is removed from the panel. Make sure there is not a short or open condition on the green data wire to the keypad. You may also need to check that all of the keypads and expansion modules on the bus are good.
SYSTEM BUSY	The system is performing another task with a higher priority.	Wait a few moments for the system to complete the task. Make sure the RESET jumper is not on the panel. If the message displays for a long period of time, the processor could be locked up.
4-WIRE BUS TROUBLE	There is not a supervised device on the bus.	Program a device to be supervised.
	There is low voltage or an open yellow wire.	Make sure all wires are connected.
	Two devices share the same address.	Program one of the devices to a unique address.
TRANSMIT FAIL	The panel has attempted to communicate with the central station 10 times and has not succeeded.	Verify your communication type, account number, and phone number. Make sure the telephone line is connected and working properly.
NON-POLLED ADDRESS	The device is not set to DOOR, KEYPAD or FIRE in Device Setup during programming.	Program the device as DOOR, KEYPAD or FIRE in Device Setup.
ENTER CODE (to enter Programming)	A lockout code has been programmed for the panel.	Enter the lockout code.
WIRELESS TROUBLE	The panel is unable to communicate with the wireless receiver.	Verify the receiver is properly connected to the panel. Verify the correct House Code is programmed in System Options. Satisfy the front and/or rear tamper.
	The wireless receiver's tamper may be faulted.	

AREA ACCOUNT NUMBER MESSAGES

XR Series Control Panels send an area account number instead of the system account number with the following panel messages/events based on the area assigned to the zone that initiated the alarm:

- WARNING: Alarm Bell Silenced (S34)
- Abort Signal Received (S45)
- Cancel Signal Received (S49)
- ALERT: System Recently Armed (S78)
- ALERT: Exit Error (S80)
- ALARM: Verify Signal Received (S96) (not currently sent on area arming systems)
- The panel has always sent the area account number for the following messages:
- Zone event messages for all non-24 hour zones assigned to an area
- Arming
- Disarming

The panel sends the following messages using the area account number based on the lowest area number in Display Areas programming from the keypad being used:

- User Code Add/Change/Delete
- Door Access/Denied
- User 1 Ambush and Early Morning Ambush
- System Test Begin/End
- Unauthorized Entry
- Service Code and Service Request

The panel sends the following messages using the area account number based on the area number:

- Late to Arm for area schedules

CERTIFICATIONS

California State Fire Marshal (CSFM)
FCC Part 15
FCC Part 68 Registration ID CCKAL00BXR550
Los Angeles Fire Department (LAFD)
New York City (FDNY COA #6167)
NIST AES Algorithm Certificate #2350 128-bit
NIST AES Algorithm Certificate #2595 256-bit
SIA
Meets ANSI/SIA CP-01-2010 False Alarm Reduction

Underwriters Laboratory (UL) Listed

ANSI/UL 294	Access Control System Units
ANSI/UL 1023	Household Burglar
ANSI/UL 1076	Proprietary Burglar
ANSI/UL 1610	Central Station Burglar
ANSI/UL 1635	Digital Burglar
ANSI/UL 985	Household Fire Warning
ANSI/UL 864	Fire Protective Signaling 10th Edition

Compatible with Devices Listed for

ANSI/UL 268	Smoke-Automatic Fire Detectors
ANSI/UL 346	Waterflow Indicators for Fire Protective Signaling Systems
ANSI/UL 636	Holdup Alarm Units and Systems Accessory UL Bank, Safe, and Vault

UL Standard Line Security
UL Encrypted Standard Line Security

EXPORT CONTROL

The XR550 with encryption uses AES encryption and any export beyond the United States must be in accordance with Export Administration Regulations.

Designed, engineered, and manufactured in Springfield, MO using U.S. and global components.
LT-1232 1.01 25154

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