

**XR100 and XR500 Series Software Update****January 2009****Software Update**

XR100 and XR500 Series Version 203 (1/5/09) is available for download from the DMP Dealer Direct Website at <http://dmp.com/dealer>. This version is an update from the Version 202 (10/8/08) software which is also available on Dealer Direct and being installed on newly manufactured XR100 and XR500 panels. XR100 and XR500 Series Command Processor™ panels will continue to be manufactured with Software Version 202 until February 2009.

Remote Link Version 1.45 (12/30/08) or higher is **required** to support the panel Version 203 features. Remote Link Version 1.45 is available for download on the DMP Dealer Direct Website at <http://dmp.com/dealer>.

**Features****Messaging**

XR100/XR500 Series panels now support Email/SMS messaging. The Messaging programming section allows you to enter the information needed to receive messages directly from the panel via email and SMS text using Network or Cellular communication.

**Network Options**

The XR100/XR500 panels now allow the entry of a DNS Server address to support Email/SMS messaging.

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.

**Messaging Setup**

This section allows you to enter the information needed to receive messages directly from the panel via email and SMS text using Network or Cellular communication. All of the name and password options below allow up to 32 lowercase characters to be entered. The Destination addresses allow up to 48 characters to be entered. System Name is displayed with initial caps.

The transmitted messages are:

Zone Alarms by Zone Name	AC Power Trouble and Restoral
Zone Troubles by Zone Name	System Low Battery
Zone Bypass by User	Ambush
Arming (Closings) by User	Abort, Cancel and Alarm Verified by User
Disarming (Openings) by User	Check-in by user
Late to Close	

**Enable Messaging**

ENABLE MESSAGING
NO YES

Select **YES** to allow the panel to send messages to three programmed destinations. Default is **NO**.

**System Name**

SYSTEM NAME
-

Enter a unique name for the panel. The panel name is used as the sender of the message. The text entered is displayed with initial caps. If this field is left blank, the panel account number is sent.

**Destination 1**

DESTINATION 1
-

Enter the first email address or cell phone number where messages will be sent. The message can be sent to any device (computer, cell phone, PDA) as long as a valid email address or cell phone number is entered. When entering email addresses, press the 7 digit key followed by the fourth Select Key to add the @ symbol and the 9 digit key followed by the fourth Select Key to add the \_ symbol. See the Entering Non-Alpha Characters section in the panel programming guide for additional symbols.

## Destination 2

  

Enter the second destination email address or cell phone number.

## Destination 3

  

Enter the third destination email address or cell phone number.

## Email Communication Type

  

Choose NET to send email messages over the network. Choose CELL to send email messages using cellular communication. Default is NET. This prompt appears only if any destination above is an email address and the panel is a network panel (has an Ethernet connector).

## O/C Email

Select YES to allow the panel to send Opening and Closing reports via email. Default is NO. This prompt appears only if any destination above is an email address.

## O/C SMS

Select YES to allow the panel to send Opening and Closing messages to a cell phone via SMS protocol. Default is NO. This prompt appears only if any destination above is a cell phone number.

The remaining options only appear if email messaging has been selected to be sent via Network. The options allow the email server to be selected by the installing dealer. Typically this is the email service provided by the installing dealer. This allows opportunity for additional services to be provided to the end user.

## SMTP Server

  

Enter the SMTP (Simple Mail Transfer Protocol) Server name. The SMTP email server is responsible for sending the email to its destination. An example SMTP email server name is: mail.somedomain.com. The domain should be the email server that provides email support for your alarm customers.

## SMTP Server Port

The SMTP server port number is the port that the panel uses to initiate a TCP Connection with the email server. The default port is 25.

## SMTP Username

  

Most SMTP servers require a username to send email. This is sent to the SMTP Server in conjunction with the SMTP Password to provide email authentication to the server.

## SMTP Password

  

Most SMTP servers require a password to send email. This is sent to the SMTP server in conjunction with the SMTP Username to provide email authentication to the server. Passwords display as lowercase.

## From Email Address

  

Enter the email address on file with the email service. This shows up in the email messages as the sender's address.

## Occupied Premises Operation

The Occupied Premises operation now includes any zone type assigned to the Perimeter area and not just Exit type zones. When selected as YES, Occupied Premises automatically disarms interior areas when an All/Perimeter or Home/Sleep/Away arming system is armed All or Away and no zone assigned to the perimeter area is tripped during the exit delay countdown. This feature is intended to reduce false alarms when the end user arms All or Away but remains inside the premises. Occupied Premises is not supported in an Area system and only applies to the Main house system in a Home/Sleep/Away with Guest House system.

## Home/Sleep/Away with Guest House Operation

The XR100/XR500 panels now provide Guest House operation. The Home/Sleep/Away with Guest House operation is intended for an installation such as a main home with up to two guest quarters. The XR100 supports one guest house and the XR500 Series support up to two guest houses.

### System Options

SYSTEM: AREA

#### System

This option programs how the areas operate for arming and disarming.

AREA A/P H/A  
GST

**HOME/SLEEP/AWAY with GUEST-** This allows the alarm system to be divided into a main house HOME/SLEEP/AWAY system and up to two additional guest houses that also are 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. For XR500 systems, areas 7, 8, and 9 are the Perimeter, Interior, and Bedrooms for the Guest 2 house system. These areas are automatically assigned 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.

**Note:** Areas 3-32 in an All/Perimeter system, areas 4-32 in a Home/Sleep/Away system, and areas 10-32 in a Home/Sleep/Away with Guest system are not available for use and are initialized.

### Device Setup

DISPLAY AREAS:

#### Display Areas

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

Press the COMMAND key to program Display Areas. To select an area between 1 and 32, 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 COMMAND to display the next set of areas. Default is all area numbers.

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

\*17 \*18 \*19 \*20  
\*21 \*22 \*23 \*24

For Home/Sleep/Away with Guest arming systems, the display areas selection determines which system the keypad will arm and disarm. With areas 1, 2 or 3 being the first system selected, the keypad is assigned to the Main system. With area 4, 5 or 6 being the first areas selected, the keypad is assigned to the Guest 1 system. With area 7, 8 or 9 being the first areas selected, the keypad is assigned to the Guest 2 system. Keypads can have additional areas assigned for Event Display, but only the first selected system is for arming or disarming.

\*25 \*26 \*27 \*28  
\*29 \*30 \*31 \*32

### Area Information

\* UNUSED \*

#### Area Name

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

Area	Display
1	PERIMETER
2	INTERIOR
3	BEDROOMS

Area	Display
4	GUEST1 PERIMETER
5	GUEST1 INTERIOR
6	GUEST1 BEDROOMS

Area	Display
7	GUEST2 PERIMETER
8	GUEST2 INTERIOR
9	GUEST2 BEDROOMS

### User Profiles

In Home/Sleep/Away with Guest operation, the User Profiles option does not display in the User Menu but when adding User Codes, enter a profile number 1 through 9 for the main house system, profiles 11-19 for the Guest 1 house system, and profiles 21-29 for the Guest 2 house system (XR500 only). See the User's Guide LT-0683 for complete profile default authority information. Profiles 2-9 default to have Arming/Disarming for all nine areas, while profiles for 12-19 and 22-29 only have Arm/Disarm assigned to Guest 1 and Guest 2 respectively. Profiles 1, 11 and 21 do not have any arming/disarming authority assigned.

## Multi-Tenant System Operation

The XR100 and XR500 panels now offer Multi-tenant Area System operation. Multi-tenant operation is intended for use in a multi-business application with a need for separation between businesses, such as a small shopping center. Multi-tenant operation uses the area account number instead of the system account number for reporting events related to those areas to the central station receiver.

### Area Account Number Messages

XR100/ XR500 systems 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 XR100/XR500 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 XR100/XR500 sends the following messages with 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 XR100/XR500 sends the following messages with the area account number based on the area number:

Late to Arm for area schedules

### Alarm Silence

The XR100/XR500 panels now restrict the alarm silence operation by the keypad's Display Areas programming. The Silence attempt must be made from a keypad with an area assignment which contains the zone that has caused the alarm.

## Instant Arming

The XR100/XR500 panels now provide a System Option to enable or disable instant arming for an Area arming, an All/Perimeter or Home/Sleep/Away system.

INST ARM	NO	YES
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### 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.

## Area Follower

The XR100/XR500 panels provide the option in Zone Information to program the zone to follow an additional area entry and exit delay and delay processing a zone status change. This is typically used for a PIR located in an interior area

FOLLOW AREA:	0
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### Area Follower

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. Enter 0 (zero) to disable this feature. Default is 0.

## Exiting Programming

When running the STOP routine to exit programming, the XR100/XR500 panels will no longer automatically disarm areas. The armed state of new areas or zones added during programming default to a disarmed state and are not armed until the system is disarmed (if armed) and armed normally. This operation matches the method used when exiting remote programming.

## Communication Status

### Email Status

The Email Status menu, located in Panel Diagnostics, tests each component of the panel's e-mail communication. The test proceeds until the first component failure or until all components have been tested with positive results. The test screen displays after each component and displays for two seconds or until the CMD key has been pressed. The displayed results are shown below.

#### Email Results:

Successful Display	Failure Display
EMAIL ENABLED	EMAIL DISABLED
LINK OK	LINK ERROR
SMTP SERVER OK	INVALID SERVER
DEST ADDRESS OK	DEST ADDR FAILED
CONNECTING	CANNOT CONNECT
AUTH MODE SENT	AUTH MODE FAILED
PASSWORD SENT	BAD PASSWORD (or USERNAME)

Successful Display	Failure Display
FROM ADDR SENT	FROM ADDR FAILED
DEST ADDR SENT	DEST ADDR FAILED
DATA MODE SENT	DATA MODE FAILED
MESSAGE SENT	MSG SEND FAILED
DISCONNECTED	DISCONNECT FAIL
EMAIL SUCCESS	

## Real-Time Status Reports

The Real-Time Status Reports feature allows Burglary and Auxiliary zone and output status change reports, such as Output On to be sent via PC Log Reports. This feature can allow a graphic display software to monitor zones, doors and outputs by reporting status changes. Real-time Status Messages are only sent via the PC Log.

### PC Log Reports

PC LOG REAL-TIME STATUS	NO YES
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### PC Log Real-Time Status Reports

Selecting YES allows Real-Time Status reports for zones, doors, and outputs that are programmed to send Real-Time Status messages to a PC running a graphic display software. Default is NO.

The messages that can now be sent:

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

## Output Information

OUTPUT REAL-TIME STATUS	NO YES
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### Output Real-Time Status Report

Selecting YES allows Real-Time Status reports, such as Output ON, OFF, PULSE, or TEMPORAL to be sent using PC Log reports. Selecting NO disables Real-Time Status for this output device. Default is NO.

## Zone Information

ZONE REAL-TIME STATUS	NO YES
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### Zone Real-Time Status Reports

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

DOOR NUMBER:	0
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### Door Number

If ZONE REAL-TIME STATUS is selected as YES, enter a door number (keypad bus address) of 0-16. When a door number is selected, the door number is included in the status report instead of the zone number. Enter 0 (zero) to disable this feature and report the zone number. Default is 0 (no door).

## Backup Path Programming

If CELL is selected as the primary path communication type, NET and 232 are allowed as the only backup communication options. Previously, DD and CID were allowed to be selected.

## GPRS APN Default

The GPRS APN default has been updated to SECURECOM400.

## Door Access Report

The Door Access report default has been revised to DENY. This enables Door Access Denied reports to be sent only to the receiver when a door access is denied to a user.

## Obtaining the New Software

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