

XR100 and XR500 Series Software Update

January 2010

Software Update

Effective January 2010, all XR100 and XR500 Series Command Processor panels are being manufactured with Version 205 (1/5/10) software. This version is an update from the Version 204 (8/28/09) software previously shipped and contains new features and updated operations:

- In Touch™ SMS Text Commands
- In Touch™ Destination User Number
- Subscribe to Text Messages
- 32 Character Names
- Remote Programming Over Cellular
- Text/Email Message Time Stamp
- Zone Audit Days
- Monthly Limit
- Path Information
- Device/User Number and Name
- 984 Command Function
- 893A Second Line Prefix
- Changing Your User Codes
- Exit Delay
- Armed LED Operation
- Device Types
- Early Morning Ambush
- Time Update over Cellular
- Cellular Data Overage Suppression
- Force Arm Messages
- Exit Delay Cadence
- System Test Message
- Fire Panel Slave Input

Remote Link Version 1.52 or higher is **required** to support the new features of panel Version 205. Remote Link is available for download on the DMP Dealer Direct Website at <http://dmp.com/dealer>.

Features

In Touch™ SMS Text Commands

Simple text messages can now be sent from a cell phone to perform basic user operations such as Arm/Disarm, Cancel Alarm, turn Outputs On/Off and check Armed Status. The user sending text commands to the system must have the authority to perform the commands as if it occurred at the keypad. To enable this operation, the cell phone numbers and user numbers are setup during panel programming. Upon completion of programming, a welcome text message is sent from the panel to the enabled cell phones. Use this number (sent by the panel) to text commands back to the panel. The commands are listed as follows:

- To arm all areas, text: ARM, AWAY, or ALL depending on your system configuration
- To arm the perimeter and interior of a Home/Sleep/Away system, text: SLEEP
- To arm just the perimeter of a Home/Away/Sleep system, text: HOME
- To arm the perimeter of an All/Perimeter system, text: PERIM
- To arm specific areas of an Area system, text: ARM followed by the area name or number separated by commas
- To disarm all areas, text: DISARM ALL
- To receive the Armed Status, text: STATUS
- If an alarm message is received which is known to be a false alarm, text CANCEL to disarm the system and cancel the alarm
- To set an output to ON steady: text ON followed by the output name or number
- To turn an output to OFF: text OFF followed by the output name or number
- To turn an output On for one second: text MOMENTARY followed by the output name or number

In Touch™ Destination User Number

A new option has been added to Messaging Setup programming to allow a user number to be entered to support In Touch™ SMS Text Commands.

DESTINATION 1-3
USERNUMBER: 0

Destination User Number

If the Destination is a 10-digit cellular number, enter the panel user number of the cell phone owner. This option is used when sending commands such as arming or disarming back to the panel using In Touch™ SMS text operation from the same cell phone. The user number must have the authority to perform the commands as if it occurred at the keypad. Entering 0 (zero) disables this option. Default is 0.

Subscribe to Text Messages

The panel now allows the user to select which text messages are sent from the panel to their cell phone or PDA. To enable the subscription option, set the O/C SMS option in panel programming to YES. The commands are listed as follows:

- Text the words SUBSCRIBE STATUS ALL to receive a text message for all arming and disarming occurrences in addition to any alarm
- Text the words SUBSCRIBE STATUS NONE to not receive a text message for arming and disarming occurrences, but still receive a text message for any alarm
- Text the words SUBSCRIBE STATUS OTHER to receive a text message for all arming and disarming occurrences originating from other users, in addition to any alarm. This option will send a text message for all arming and disarming occurrences except for the ones initiated by this user
- Text the word SUBSCRIBE to show the current subscription status and the available subscription options

32 Character Names

A new option has been added to System Options to allow name fields such as user names and zone names to be expanded from 16 characters to 32 character names.

SEND 16 CHAR	
NAMES	NO YES

This option allows central stations to select being sent either the first 16 characters of the name field or the entire programmed name, up to 32 characters.

Select YES to have the first 16 characters of the name field sent to the central station. 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.

The fields affected by the new option are:

- User Names in User Menu
- Zone Name in Zone Information programming
- Area Name in Area Information programming
- User Profiles in User Menu
- Output Name in Output Information programming
- Group Name in Output Groups programming

In most instances, when a name is displayed at the keypad for a user, the top line of the display shows the first 16 characters. If a name is longer than 16 characters, after two seconds the display automatically scrolls to display the remaining characters. If displayed as part of the Status List, the entire 32 characters are displayed for four seconds followed by the number and status.

Note: Using 32 character names increases the length of the DMP Serial 3 message from the panel to the receiver. The SCS-1R receiver does not require an update to pass these messages to the Host Automation System of the Central Station. Before using names longer than 16 characters, determine whether the Host Automation System of your Central Station can accept 17 to 32 character names. If not, only use 16 character names.

Remote Programming over Cellular

The XR500 now allows remote programming from Remote Link over cellular communication using a 463G Digital Cellular Communicator. This includes upload and download of programming files, trapping of panels, request of events, and panel commands such as arming/disarming.

Note 1: Remote programming is not available using the CellComRT Cellular Alarm Communicator. Therefore, remote programming using cellular communication is not available for the XR100 at this time.

Note 2: Remote update of a new software version to an XR500 is not available using cellular communication.

Note 3: It is highly recommended to upgrade Remote Link to at least version 1.52 in order to minimize any connectivity issues with remote cellular programming.

Text/Email Message Time Stamp

SMS text and Email messages now include the time when the message was sent from the panel. This provides notice of when the event occurred if the message was not read upon receipt.

Zone Audit Days

A new option has been added in Zone Information that allows a zone fault message to be sent to the receiver programmed to receive Supervisory/Trouble Reports. This option is available for all zone types except fire (FI) and fire verify (FV).

ZONE AUDIT DAYS:
0

Enter the number of days (0 to 365) allowed 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. Available for all zone types except fire and fire verify. Enter 0 (zero) to disable this function. Default is 0 (zero).

Monthly Limit

A new option has been added to Messaging Setup that limits excessive messaging to cellular telephone number or email sent over CELL.

MONTHLY LIMIT:	0
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Monthly Limit

This option displays if any programmed destination is a cell phone number using NET or CELL communication or an email address using CELL communication. If all destinations are email addresses using NET communication, this option does not display. This number limits the monthly incoming and outgoing SMS messages allowed to be sent or received by the panel.

A panel event that causes messages to be sent to destination cell phone numbers or destination email addresses is counted towards the panel's monthly limit. For example, if an alarm message is sent to a cell phone number and an email address using CELL communication, a total of 2 messages are counted towards the monthly limit for the panel. SMS messages sent from a cell phone to the panel, including status requests and SMS text commands, also count toward the monthly limit. The limit is reset at midnight on the 14th of every month. Range is from 0 to 999. When 0 is entered, there is no limit on the number of messages able to be sent or received by the panel. Default is 0.

Note: The SecureCom Wireless text plan selected for the panel should match or exceed the programmed Monthly Limit.

Path Information

A new option has been added to Communication for each path to allow each Serial 3 panel message to the receiver to include information about the communication path that was used to send the message.

SEND PATH INFO:
NO YES

Send Path Information

This prompt displays for each path and if YES, each panel message includes path information such as path number, communication type, and path type. Default is No.

Device/User Number and Name

When the following messages are sent to the receiver they now include the address number and name of the keypad/expander where the event occurred. The account number sent in the message is the Area Account number programmed in Area Information for first area programmed in Display Areas for the device.

- Keypad two-button panic messages
- System Test messages
- Service Request messages
- Device missing/restore messages (account number in Communication used for LX-Bus devices)

In addition, when the following messages are sent to the receiver, they now include the user number and name of the user that performed the action.

- System Test messages
- Service Request messages

Note: Version 1.52 of Remote Link is required when using Remote Link Alarm Monitoring.

984 Command Function

The panel now allows you to perform a Communication Status Test on each component of the panel's cellular or network communication paths. While the Status List displays, enter 984 and press the COMMAND key. The keypad display changes to NBR TEST PICKUP. Press the Select key under TEST 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.

Note: This replaces the previous RMT (REMOTE) option to seize the line and dial the phone number programmed in Remote Options.

893A Second Line Prefix

A new option has been included with the 893A programming in Advanced Communication to allow a prefix to be dialed before the second phone number.

2ND LINE PREFIX:
-

If the 893A option is set to YES, enter up to a 3 digit prefix to be dialed before the second phone number. If no prefix is entered, the second phone number is dialed as originally entered.

Changing Your User Code

For users who do not have authority in the user codes menu to change user codes, the option to change their user code only, now displays when accessing the User Menu.

Changing Your Own User Code

1. Access the User Menu.
2. Press the COMMAND key until USER CODES? displays. Press any Select key.
3. The display changes to USER CODE: * * * * *. Press any Select key to clear your user code.
4. Type your new user code. Press Command.

Exit Delay

Exit Delay range now allows the minimum to be programmed as 30 seconds to allow for very high security installations.

Previously the minimum was 45 seconds.

Remote Options GPRS APN

First and Second GPRS APN options have been added to the Remote Options section of programming. This allows programming of the GPRS APN in one menu in addition to allowing programming in each communication path. If the GPRS APN is changed in any option, the value changes for every instance.

Armed LED Operation

When arming an Area system, the keypad Armed LED now turns on only when all Areas assigned in Display Areas are armed.

Previously, any area assigned in Display Areas that was armed would turn on the Armed LED.

Device Types

The STD device type of Device Setup has been divided to DOOR and KEYPAD to better describe door access control devices.

DOOR KPD FI NONE

DOOR - The device is an access control device and is either a keypad or a 733/734 Wiegand Interface Module.

KEYPAD - The device is either a keypad or a zone expander device.

Early Morning Ambush

The keypad or reader used to enter the user code to cancel the Early Morning Ambush must also have Area 1 assigned in Access Areas.

Time Update over Cellular

When Path 1 in communication is programmed as CELL, the XR500 and XR100 can receive time updates from the receiver using the 463G Digital Cellular Communicator (XR500) or a CellComRT Cellular Alarm Communicator (XR500/XR100).

Cellular Data Overage Suppression

The number count of data bytes sent by cellular in one hour that may produce Data Overage Suppression and System Messages 121 - 125 sent to the receiver now does not include supervision Checkin messages.

Note: Please see the System Messages 121 - 124 of the Host Output Specification SCS-1062, LT-0086 or the Host Output Specification SCS-150, LT-0872 for complete details on Cellular Data Overage Suppression.

Force Arm Messages

When a Force Arm zone message is sent to the receiver at arming, the message now includes the user number and name of the user that force armed the zone.

Exit Delay Cadence

The Exit Delay cadence now sounds when any area is armed but only at keypads that have Display Areas matching any areas currently being armed.

System Test Message

An SMS text or Email message indicating a system test is now sent to any programmed destinations when a system test is performed from the keypad.

Fire Panel Slave Input

A new option has been added to Zone Information programming to allow a fire zone to provide slave communication operation.

FIRE PANEL SLAVE
INPUT: NO YES

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, this zone will transmit a restoral immediately when restored by the fire panel being monitored. A sensor reset is not required to generate the restoral message. If NO, this zone will operate as a standard fire type zone and a sensor reset is required before the zone will return to normal. Default is NO.

Note: The Fire Panel Slave Input option is currently under investigation by UL for use in Commercial Fire applications and as of January 8th, 2010, is not approved for use. The listing is expected in February and will be announced.

Updated Operation

Supervisory Alarm

The XR100 or XR500 Series panel no longer requires a code and command be entered before any other function can be performed after a Supervisory alarm has occurred.

Previously, when the silence button on the 630F was used to silence a Supervisory Alarm, the panel still required a code and command before performing any other functions with any keypad. Also, if the bell had already been silenced by the automatic bell cutoff, the panel still required the code and command as if the bell had not been silenced.

Walk Test

The panel now correctly displays the message sequence for enhanced walk test with a single failed zone.

Previously, the message sequence for the enhanced walk test would occasionally be different than the standard walk test.

CID Message Account Number

The panel now correctly sends the account number associated with a specific area when an alarm is generated and sent to the CID receiver.

Previously, when the panel's primary path was set for CID and a specific account number was assigned to the area, and a burglary zone assigned to the area was tripped, the main account number used in communications was reported.

DD Backup

A panel configured for NET with CELL backup and DD backup now properly switches to the dialer backup with minimal delay.

Night Zone Alarm Silence

The XR100 or XR500 Series panel now correctly silences the alarm bell anytime the system is disarmed with shorted night zones.

Previously, when the disarmed open and short messages for a Night Zone (NT) were programmed for alarm (A), and the zone was shorted in a disarmed state, the panel bell did not turn off and the keypads continued to annunciate when disarm was performed.

Key Fob User Number

The panel now correctly displays the assigned user number that armed the panel using a key fob when the system force arms a zone.

Previously, User 0 was assigned as the user who armed the system.

Retrieving Panel Events

After performing the Panic Zones System Test from the panel User Menu, Remote Link is now able to retrieve panel events.

Previously, Remote Link was unable to retrieve panel events until Display Events memory was initialized at the programming keypad.

Wireless Trouble

The panel now properly displays WIRELESS TROUBLE or displays a fault for a wireless zone when the J23 jumper is moved to either the 'L' or 'R' position for programming (Direct Connect) and accidentally not moved back to the 'X' position when programming completed.

Previously, the panel would not send to the receiver or display any indication of wireless trouble unless the J23 jumper was placed back in the 'X' position.

Obtaining the New Software

The XR100 and XR500 Series software update and Remote Link update are available for download free of charge on the DMP Dealer Direct Website at <http://dmp.com/dealer>.

Remote Link Version 1.52 or higher is **required** to support the new features of panel Version 205. Remote Link is available for download on the DMP Dealer Direct Website at <http://dmp.com/dealer>.

