

XR100 and XR500 Series Software Update**August 2008****Software Update**

XR500 Series Version 202 (8/5/08) is available for download from the DMP Dealer Direct Website at <http://dmp.com/dealer>. This version is an update from the Version 201 (7/25/08) software which has been available on Dealer Direct since 7/25/08 and is currently being installed on newly manufactured XR100 and XR500 panels. The new Version 202 contains new features and supports the UL Listed 463G Digital Cellular Communicator Level C hardware.

XR100 and XR500 Series Command Processor™ panels will continue to be manufactured with Software Version 201 until September. Version 202 will be available for download on the DMP Dealer Direct Website.

To allow remote programming of the new Version 202 features, Remote Link Version 1.44 is needed.

IMPORTANT COMPATIBILITY INFORMATION

The 463G Level C hardware can **ONLY** be used with XR500 Series panels using software Version 202 or higher.

The 463G Level B hardware or lower can **ONLY** be used with the XR500 Series panels using software Version 200 or 201.

Please see the 463G Hardware Update (TU-0485) for additional 463G details.

Features**Adapt3 Check-in**

A new option has been added to Check-in programming in Communications. ADP3 can be chosen from a second line after NO YES RND ADPT to set a backup path to Adaptive with the Check-in and Fail Time automatically set to 3 minutes. This option would be chosen for a CELL backup when the primary is NET and the primary is using a six minute check-in for UL Standard Line Security supervision. The cellular should be set to test daily. At network failure the cellular adapts to a three minute check-in and so becomes the primary until the network restores. An additional dialer line is not required in this application.

CHECKIN: NO YES RND ADPT ADP3

Select ADP3 (Adaptive 3) for a CELL backup path to adapt using a 3 minute Check-in and Fail Time if the primary path becomes unavailable.

When ADP3 is chosen, CELL TOWER-TRBL is displayed and the keypad trouble buzzer sounds when cellular tower communication is missing for more than 180 seconds. S10 Warning: Low Communication Line Level is sent to the SCS-1R receiver. S02 is the restoral message.

A significant industry milestone in Central Station communication/operation is provided with this configuration. A Central Station runner (as defined in UL 827 Central Station Alarm Services) need not be dispatched when a network failure occurs. This is because the 463G adapts to the check-in of the primary path maintaining line supervision until the network restores.

This UL Central Station operation can also be achieved by using network (NET) primary six (6) minute checkin, CELL backup using ADPT (Adaptive), and digital dialer as a backup with a daily test. See section 23.10 to 23.13 or 26.10 to 26.13 in the XR500 Installation Guide for full details on the various UL Listed methods to use the 463G.

Check-in Minutes

The Check-in range for CELL has been lowered from a minimum of four (4) minutes to three (3) minutes to meet UL Standard Line Security supervision requirements.

CHECKIN MINS:

When YES is selected, enter the number of minutes between check-in reports, from 2 to 240 for NET and 232 or 3 to 240 for CELL, when the panel is armed or disarmed.

ALL? NO YES

To reduce the number of key presses when using area arming and the user only has access to one area or only one area is programmed in the panel, the ALL? NO YES user prompt is passed by and not displayed at arming or disarming. The panel automatically assumes YES.

Number of Hours to Next Recall

When an Automatic Recall test message (S07 or S88) is sent to the receiver and subsequently sent to Host Automation, a new event qualifier is appended to the message that indicates the number of hours until the next Automatic Recall test message is sent. Please see the SCS-1R Host Communication specification V905, revised 8/8/08 (LT-0086) for format details.

Note: The event qualifier is not appended to the recall message when Defer Test in Communication programming is set to YES.

Cellular Sequence Numbers

The XR500 Series is enhanced to use sequence numbering for each message that is sent to the receiver using CELL communication. This improves cellular communication by confirming each message is properly acknowledged by the receiver and that the receiver's acknowledgement is accepted by the panel. This operation requires Version 203 software for the SCS-101 Network Line Card.

Cellular Encryption

In Communication Path programming, an XR500E with a hardware Level C 463G Digital Cellular Communicator card can now be programmed to communicate using encryption.

APN Default

The First and Second APN default is now SECURECOM400 to operate with the Level 400 (Yellow) SIM Card. Panels previously programmed with SECURECOM continue to operate with the level 400 SIM card.

Cellular Message Retries

To enhance the capability of CELL ONLY systems, the total number of attempts to send a cellular message to the central station receiver is now eight. When a CELL path has a programmed backup, an alarm is only attempted four times on the CELL path before switching to the backup path.

Diagnostics

The COMM STATUS operation of Diagnostics now allows a NET path to be chosen for diagnostics. The operation diagnosed are:

LINK (Okay or Error)

DHCP (Okay or Error) if programmed DHCP

GATEWAY (Found or No Gateway) if using Gateway Address

DEST FOUND or NO DESTINATION

COMM PATH GOOD or NO ACK RECEIVED from central station receiver

An S23 System Test message is sent to the receiver when the comm path is good.

Fire Keypad Displays

For keypads that are programmed as FIRE in Device Setup such as a 630F, the operation of the Status List is enhanced.

Latched Zone Event

The scrolling Status List display now latches at the first fire related zone event such as a fire alarm, fire trouble or supervisory alarm/trouble. For example, if a fire alarm event occurs, the keypad Status List latches on the fire zone alarm and does not scroll. Subsequent fire/supervisory zone alarms/troubles are available for display by pressing the COMMAND key to move down the list. The display returns to the first zone alarm and again latches after a timeout (if no keys are pressed) or if the back arrow is pressed enough times to scroll through the complete list and return to the top.

Note: Once the display has been cleared of all fire related events such as fire alarms, fire troubles or supervisory alarm/troubles, scrolling of the other displays begin again.

Zone Event Priority

When multiple but different types of zone events occur at the same time, the priority of display in the Status List is as follows:

1. Fire Zone Alarms
2. Supervisory Zone Alarms or Fire and Supervisory Zone Troubles
3. All Other Troubles and Displays

Silenced Display

After an Alarm Silence has been performed to turn off the notification appliances, SILENCED is continuously displayed in the top line of the LCD display at the left. Zone names are reduced to a 10 character display on the bottom line of the LCD as shown below.

SILENCED
EAST SMOKE-ALARM

Supervisory Display

Anytime a Supervisory zone alarm occurs, SUPVSRY is continuously displayed in the top line of the LCD display at the right. Zone names are reduced to a 10 character display on the bottom line of the LCD shown below.

SUPVSRY
EAST SMOKE-ALARM

If both Silenced and Supervisory conditions exist, the display would be:

SILENCED SUPVSRY
EAST SMOKE-ALARM

Obtaining the New Software

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