

## XR100/XR500 Series Panels

February 2011

### Version 207 Software Update

Effective the end of February 2011, all XR100 and XR500 Series panels are being manufactured with Version 207 (1/28/11) software. Remote Link Version 1.58 (2/7/11) or higher is **required** to support the new features of panel Version 207. Both are available for download on the DMP Dealer Direct Website at <http://dmp.com/dealer>.

### Features

This software update adds the following new features to the XR100/XR500 Series panels:

- Wireless Siren operation
- Wireless Keypad operation

An 1100X or 1100XH wireless receiver operating with new Version 200 software is required to support the wireless siren or wireless keypad. See [TU-0575](#) for complete wireless receiver details.

- Alarm Receiver/Service Receiver options re-added
- Door Access Reports now sent using cellular communication
- Keypad Armed LED option added
- Wireless Supervision Time updated
- Entre Passphrase updated
- Swinger Bypass Trips updated
- Cellular Signal Diagnostics enhanced

#### 1135 Wireless Siren

The Model 1135 Wireless Siren is now supported and the Trip With Panel Bell option is provided in Output Information.

TRIP WITH PANEL BELL	NO	<b>YES</b>
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#### Trip with Panel Bell Option

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



#### 9000 Series Wireless Keypads

The Models 9060 and 9063 Wireless keypads are now supported and can be programmed into the panel using the Wireless Keypad Association operation or manually using Device Setup.

#### Wireless Keypad Association

To enable association operation in the panel, reset the panel 3 times within 12 seconds. Allow the panel's keypad bus Transmit/Receive LEDs to turn back on between each reset.

For 60 seconds the panel listens for wireless keypads that are in the Installer Options Menu (3577 CMD) and have not been programmed, or associated into another panel. Those keypads are assigned to the first open device position automatically based upon the order in which they are detected. See the 9000 Series Wireless Keypad Installation Guide (LT-1107) for additional information.



## Device Setup

Device Setup has been updated to support the Wireless keypad configuration and allow Expander as a Device Type.

DEVICE NO:-

### Device Number

Enter the device number of the keypad you are programming. The valid range is 1-16. If using a wireless keypad, also program the device number in the Status List Auxiliary 1 Zones programming option to display wireless keypad troubles. After you program each option for the first keypad, repeat these programming steps for each additional keypad.

\* UNUSED \*

### Device Name

A device name must be given to each device in the system. To add a device name, press any Select key. The default device name (DEVICE x) displays. Select COMMAND to accept the default name or press a Select key to enter a new name up to 32 alphanumeric characters. Press the COMMAND key.

To remove a device from the system, delete the device name by pressing any Select key, then press the COMMAND key. The panel automatically programs the name as \* UNUSED \*.

TYPE: KEYPAD

### Device Type

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

DOOR KPD FI EXP

**DOOR** - The device is an access control device and is either a keypad using door strike functions or a Wiegand Interface Module.

**KEYPAD** - The device is a keypad without a door strike relay.

**FIRE** - The device is a 630F Remote Annunciator.

**EXPANDER** - The device is a Zone Expansion Module.

Note: The following options display based on device type selected.

WIRELESS? NO YES

### Wireless

Select YES to use a wireless keypad. Select NO to use a wired keypad. Default is NO. You can install and address up to four wireless keypads.

SERIAL#:XXXXXXXX

### Serial Number

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

SUPRVSN TIME: 240

### Supervision Time

Press any top row key to select the supervision time required for the device. Press COMMAND to accept the default time. Default is 240 minutes.

SELECT MINUTES:

0 60 240

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

## Wireless Keypad AC Fail Message

When an AC fail message is received by the panel from a wireless keypad, the panel now sends a zone fault message to the central station instead of a zone low battery. However, the zone fault message is delayed for the time programmed in Power Fail Hours. If the AC power is restored on the wireless keypad prior to expiration of the Power Fail Hours delay then no message is sent to the central station. If the zone fault message is sent, a zone restore will be sent when the AC power is restored, provided no other troubles exist on the keypad zone, such as low battery or tamper.

## Alarm Receiver/Service Receiver

The XR100/XR500 Version 207 software returns the Alarm Receiver and Service Receiver programming options in Remote Options and removes the Allow Dialer Remote option.

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.

With YES selected, the panel requests the receiver key during its first communication with the first SCS-1R Receiver. The panel retains this 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.

SVC RCVR NO YES

### Service Receiver Authorization

YES enables 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.

With YES 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.

## Door Access Reports

Door Access Granted reports programmed in System Reports can now be sent on a Cellular communication path.

## Entre' Passphrase

A minimum of eight alphanumeric characters are now required to encrypt the Entre' Passphrase in Remote Options.

## Test Report Messages

If any path programmed to send a Test Report has a communication failure, the panel now sends Automatic Recall OK - Unrestored System (S88) for the Test Report until all paths programmed to report are normal.

## Keypad Armed LED

System Options now provides an option to program the behavior of the armed LED of all keypads of an Area system.

```
KEYPAD ARMED LED
                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 be armed 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.

```
KEYPAD ARMED LED
ALL ANY
```

## Wireless Supervision Time

For wireless transmitters the supervision time selection of three (3) minutes is now only available for Fire, Fire Verify and Supervisory zone types and for the 1135 Wireless Siren. Otherwise, the option allows a supervision time of zero, 60 and 240 minutes.

## Swinger Bypass Trips

The allowed programming range for the number of times a zone can go into an alarm or trouble condition before being automatically bypassed has been increased from two (2) to six (6). The default has been updated from one (1) to two (2) trips.

## Comm Status Diagnostics

The Diagnostics feature (2313) now provides a signal strength display during COMM STATUS cellular communication testing.

```
SIGNAL: ██████████
CONTINUE? NO YES
```

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 prompt.

## Cell Signal -dBm

The Diagnostics feature (2313) now provides the numeric value of the cellular signal strength in -dBm on the top line of the display.

```
SIGNAL: -xx dBm
██████████
```

This display provides the cellular signal strength of the nearest tower for the SIM card carrier. The X's represent the numeric value of the cell signal strength in -dBm. The █'s represent the signal strength 0-7. The signal strength results are shown below.

## Updated Operation

### Cellular Path Restore Message

When a cellular path failed to communicate causing an S72 WARNING: Network/Communication Path Trbl to be sent on another path and then the cellular path restored, the S73 restoral message was not attempted until the panel had another cellular message to send (typically a daily test). Now, when a cellular path fails, the Daily Test message is attempted on the cellular once an hour until restored at which time the S73 will be sent.

### Door Schedule

The panel now locks the door at the scheduled time when only a partial schedule is programmed. Previously, when a door was unlocked (opened) using a proximity credential, the panel would not relock the door at the scheduled OFF time if the scheduled ON time was not programmed into the panel and left at 00:00.

### Key Fob Panic

When a Key Fob panic is activated, the panel now sends the user name assigned to the wireless key fob for email or SMS messages instead of using the zone name assigned to the key fob.

### Entre' Acknowledgement Messages

The panel now accepts the Entre' acknowledgement of panel messages that were sent using the Area Account number programmed in Area Information and the panel doesn't continue to resend the message.

### Cellular Remote Programming

The panel now correctly sends the account number programmed in Communications when panel programming is retrieved over cellular communication using Remote Link. Previously, when the Communications account number had been changed locally using the keypad, and then the panel programming retrieved with Remote Link using cellular communication, the panel sent the original account number causing an incorrect encryption of user codes and profiles in Remote Link.

## Shared Substitution

The panel now doesn't delay messages on the Primary path if the Backup path is in communication failure and also programmed for Shared Substitution Code (SUB CODE = SHARED). Previously for example, if programming was Primary NET and Backup CELL with Substitution Code as Shared and the CELL has a communication failure at the daily Test Report time, the next NET checkin time would be delay up to ten minutes causing a Panel Not Responding to be generated at the SCS-1R or SCS-VR receiver. This occurred because the panel was waiting for all cellular communication attempts to occur.

## 893A Alternate Daily Test

When using the 893A, the XR100/XR500 panel alternates between the MAIN and BACKUP telephone lines each time the Test Report message is sent to the central station receiver. Previously, the message was only sent on the MAIN telephone line.

## Arming Report

The panel now only sends any arming reports to a cell phone that has been subscribed for those reports. Previously, the panel would send arming reports to cell phones that were subscribed NONE when armed at a keypad and a user code had been entered to arm the system. If a user code was not entered to arm, the arming report was not sent to the cell phone.

## Remote Programming Messages

The panel now sends Remote Programming Complete (S83) and Remote Programming Received (S84) messages to the central station receiver when using cellular communication for remote programming.

## Communication Programming

For Entre' software users, the panel no longer sends an invalid character in the 232 Port programming location of the Communication remote programming string when there is a telephone number programmed for Telephone #2 of a path using digital dialer communication.

## Wireless System Status Display

When Remote Link requested the status (Normal, Trouble, etc.) of wireless zones numbered 700 or higher, the panel no longer replies to Remote Link with NOT USED and now provides the current status of the zone. This issue did not occur for zones 699 or lower.

## Email Messaging

On a very rare occasion when the panel was sending events using email messages, a panel reset could occur. It was also possible that keypad addresses 2 - 16 could display Non Polled Address requiring a J16 reset. This issue only occurred when the panel was using software versions 204 or 205 and only if sending email messages. Sending SMS messages did not cause this issue to occur.

## Wireless Zone Missing Display

The panel now properly displays wireless device missing messages for zones only on the keypads programmed for the appropriate area in Display Areas programming instead of all keypads.

## Walk Test Bell

The panel now correctly sounds the bell two seconds for Fire Zones during the WALK TEST based on the Fire Zone Action programming of Bell Options. Previously, the bell would only sound for the two seconds if the Burglary Zone Action option in Bell Options was programmed Steady, Pulse, or Temporal.

## Keypad Panic Device Name

When a keypad two-button panic is activated, the panel now sends to the SCS-1R or SCS-VR central station receivers the keypad name programmed in Device Setup as the zone name instead of "KEYPAD x" (1-16).

## 463G Cellular Operation

The XR500 now provides automatic operation to reset the cellular modem of the Model 463G Digital Cellular Communicator if the modem becomes unresponsive. This is a rare occurrence and would be indicated by a missed checkin message or a daily test report that does not restore. If either of these conditions restore then the update is not necessary. Model 463G hardware Level D is required for this operation to occur. Please see the 463G Level D Hardware Update TU-0569 for additional detail.


## 463G Compatibility

When using a Model 463G Digital Cellular Communicator with an XR500 software version 205 (9/16/10) or higher including this 207 update the 463G cellular modem is automatically configured with improved cellular operations. If that 463G is to be reused on another panel with older software than version 205 (9/16/10), update the panel to this version 207 to allow cellular communication to function.

## Obtaining the New Software

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

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