## XRSuper6/XR20/XR40 Firmware Update
## July 18, 2003

## Firmware Update

Effective July 2003, the XRSuper6, XR20, and XR40 Command Processor panels are being shipped from the factory with version 205 (6/23/03) updated firmware. This is an update from versions XR20 and XR40 version 203 (4/15/03) and the XRSuper6 version 204 (5/7/03) firmware previously shipped and contains updated operation to correct communication issues related to the iCOMSL and implement new communication features.

The following items must occur to produce the issue described further below.

- **The panel's firmware must be XRSuer6/XR20/XR40 Version 203 (4/15/03) or XRSuper6 Version 204 (5/7/03).**

- **The panel's communication type programming must be HST communicating with an iCOMSL.**

- **The panel's Receiver 1 programming must include phone numbers.**

- **Communication must fail on HST and Dialer Backup.**

*IMPORTANT NOTE: PANEL'S THAT USE COMMUNICATION TYPE HST BUT DO NOT HAVE A BACKUP DIALER PROGRAMMED ARE NOT AFFECTED BY THESE ISSUES.*

## Updated Operation

### ✸ ✸ ✸ IMPORTANT UPDATE INFORMATION  ✸ ✸ ✸

### HST Dialer Backup Attempts

When the Communication type is programmed for HST, and phone numbers are programmed in Receiver 1 to activate the backup dialer, the backup dialer now only attempts to dial 10 times if communication cannot be established. Previously, the backup dialer dial attempts would not terminate.

### HST Checkins Fill Event Buffer

HST supervisory checkin messages now are not sent to the panel's display events buffer. Previously, the HST checkin messages would be sent to the display events buffer as non-displayable events and could cause the buffer to overflow with non-alarm messages. When the buffer overflows in the manner, new messages are not sent to the receiver. This situation can only occur when the panel has failed to communicate via HST on the iCOMSL and 10 dial attempts have failed. If communication has not restored before the number of checkins exceeds the buffer size of the panel, the buffer will overflow and not allow new messages to be sent to the receiver once network communication is restored (not dialer). The time required to fill the buffer is related to the checkin time programmed in the panel and the panel's buffer size. For example, if checkins are sent every five minutes and the panel is an XR40 with 140 events, then it takes (5 x 140) 700 minutes or 11.66 hours to fill the buffer to overflow.

Following is a workaround for this issue:

> Enter programming and initialize events.

> Re-establish dialer communication and allow transmission of a message.

### HST or Dialer Events

HST events are only attempted for one minute and if not sent, removed from the communications buffer and never sent. If a backup dialer is available, but communication is still not established after ten attempts, the events are removed from the communications buffer and never sent. Previously, if communication failed, old HST or old backup dialer Central Station messages were sent to the receiver after communication was restored.

*IMPORTANT NOTICE:   DMP STRONGLY RECOMMENDS THAT ALL XRSUPER6, XR20, AND XR40 COMMAND PROCESSOR SYSTEMS THAT ARE PROGRAMMED TO USE HST COMMUNICATION VIA THE iCOM$_{SL}$ WITH DIALER BACKUP BE UPDATED WITH THE NEW FIRMWARE VERSION.*

## ✶ ✶ ✶ IMPORTANT UPDATE INFORMATION  ✶ ✶ ✶

## New Features

### Detect CID Receiver on HST Backup

When the panel's communication type is programmed for HST and Receiver 1 has telephone numbers programmed to allow dialer backup, the panel now detects if the receiver communication type is DD or CID and communicates using that format when a message is sent using the dialer as a backup.

This feature allows a panel to automatically switch to Contact ID communications when a CID receiver is detected.

### Net Trouble Message

When the Network Trouble message (S72) is to be sent to the central station receiver and CID has been detected as the communication format, the event code 356 with event qualifier 1 are sent.  Network Restore is sent as event code 356 with event qualifier 3.

## Upgrading/Ordering New Firmware

New firmware PROMs may be obtained by calling DMP Customer Service at 1-800-641-4282 and ordering the XRSuper6; XR40; or XR20/UPDATE panel update.  There is no charge for this update.  All panels returned for repair are automatically updated to the latest firmware.

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