

SCS-1R Firmware Update

April 2008

Version 905 Firmware Update

Effective April 2008, all SCS-1R Receivers are being manufactured with version 905 (3/12/08) firmware. This version is an update from the Version 905 (2/13/08) firmware previously shipped and contains updated operation.

Updated Operation

Unexpected ACK Message

In the unlikely event that the host automation software sent an un-needed and unexpected acknowledgment (ACK) message to the SCS-1R at the same time the receiver was starting the process to send buffered messages to host automation, the receiver could skip the first message and instead send the next one in the buffer. This process has been changed to only accept an ACK from the automation system after a full message has been sent.

For reference the instructions from the section Host Automation Acknowledgement of the DMP SCS-1R Host Output Specification V905 that describes when the host automation software should acknowledge a message, are included below.

Host Automation Acknowledgement

After each report is sent by the SCS-1R Receiver and then correctly interpreted by the Host Automation Computer, the Host Automation Computer must respond with ACK, CR (HEX 06, 0D) or ACK (HEX 06). If the report cannot be interpreted, the Host Automation Computer may respond with NAK, CR (HEX 15, 0D) or NAK (HEX 15).

Resend Panel Message

The SCS-1R Receiver could mishandle a panel message being sent to Host Automation if the automation software was sending a time update to the receiver at the same time. This would require the receiver to resend the message to the automation system. This process has been changed to only accept a time update after a full message has been sent by the receiver.

For reference the instructions from the section Receiver/Panel Time Updates of the DMP SCS-1R Host Output Specification V905 that describe when the host automation software should send a time update to the receiver are included below.

Receiver/Panel Time Updates

It is highly recommended that the receiver time be updated by the host automation computer at the following events:

1. The "System Start Up" message is sent by the receiver to host automation computer
2. The host automation computer time, day, or date is reset
3. Once daily at 2:30AM

The 2:30AM daily time update is important since the SCS-1R will set the time, day, and date in DMP control panels. DMP control panels will begin asking for a time update between 3:00AM and 5:00AM daily. If the SCS-1R gets a time update from the host automation computer at least every 25 hours and the UPDATE TIME TO PANELS option is programmed Yes in the HOST TIME TO PANEL option, the SCS-1R will give time updates to control panels.

Upgrading/Ordering New Firmware

New firmware PROMs may be purchased from buy.dmp.com or by calling DMP Customer Service at 1-800-641-4282.

