

20 December 2007

### Customers that may benefit from this release have one or more of these:

- A segmented network where it's important to set the "Subnet Mask" and "Default Gateway" on the SNIB2s
- Large, globalized installations with high traffic: more than 40,000 globalized events per hour. Multiply the number of access grant transactions per hour times the number of controllers on that SNIB2 port to determine the global traffic load. For example, 1200 access grants per hour times 35 controllers =  $1200 \times 35 = 42,000$  globalized events per hour.

### Defects fixed

- Long packets sometimes were hanging up the network traffic.

### Known limitations

- Network settings -- IP address, Subnet Mask, Default Gateway -- are only stored in non-volatile flash memory if you re-flash the SNIB2's firmware (again) after setting those values.

### New in this release

- "Subnet Mask" and "Default Gateway" can be set via "Update for Velocity 3.0 KB241" or the SNIB2CONFIG.EXE program, and will be echoed back to the host. (Note that SNIB2 Vn. 5.92/5.95 will allow you to set these options but will not send a confirmation message back to the host.)

### Recommended Practices

- We do not recommend stopping and starting the services during peak traffic times. When there are many events flowing through the system, it is difficult to get all of the controllers online - RP 267
- Large installations should reset the default value of the SNet host timeout (located in the Communications tab of the Controller Properties window in Velocity) from the default value of 10 seconds to a number higher than the number of controllers on the loop - RP 250, 256
- If you need a Subnet Mask and Default Gateway, you should probably (a) install the Velocity patch first (Update for Velocity 3.0 KB241), (b) disable the port for each SNIB2, (c) program the Subnet Mask and Default Gateway on those ports, (d) activate the ports, and then (e) re-flash the SNIB2 firmware to Vn. 5.98. If you do these steps in this order, the Subnet Mask and Default Gateway will be programmed into flash memory on the SNIB2.

*This document covers changes to the SNIB2 since Vn. 5.95.*