

## Zero-Mode Flash Procedure for 8k and 8k-I (x3650)

For use with ServeRAID-8k SAS Controller, Option 25R8064, or ServeRAID-8k-I SAS Controller, Option 39R8729

### Preparation:

1. Obtain a USB Floppy diskette drive
2. Download and create the ServeRAID-8k flash diskettes from the IBM ServeRAID Support CD version 9.0 (containing Build 15407 or higher) or download the individual diskettes (four total) from the ServeRAID Matrix web site. Detailed instructions for building these diskettes are provided in the readme.

The ServeRAID Software Matrix is at the following URL:

<http://www-304.ibm.com/systems/support/supportsite.wss/docdisplay?brandind=5000008&Indocid=SERV-RAID>

### Begin the following procedure:

1. While the system is powered off, remove cover to the x3650 and locate the 2-pin jumper at J89 on the system board.
2. Place jumper on J89.
3. Attach the USB Floppy diskette drive to the front panel of the server
4. Insert the ServeRAID-8k firmware disk #1 into the floppy diskette drive.
5. Power on the system and observe the systems POST process. If the zero-mode jumper is installed properly, the ServeRAID-8k or 8k-I will not display a POST banner.
6. As the system boots to diskette #1, the following message will appear on the screen:

This program will update the firmware on all IBM ServeRAID-8k controllers in the system.

Do you want to continue. [Y,N]?

7. Type "Y" to respond to the prompt, then follow the on-screen instructions to complete the flash update.
8. After the flash is complete, power off the server
9. Remove the USB Floppy diskette drive and jumper from J89
10. Replace the cover on the server
11. Power on the system and observe the systems POST process for proper operation.

