



iPBridge Firmware Release v4.40

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the iPBridge firmware version 4.40 that was released on 10/21/2009.

2. Changes

- **Version 4.40 (Released 10/21/09)**
 - **Added Support for Video Streaming**
 - Created iSCSIvideostreaming command to allow users to enable the Video Streaming capability of the iPBridge. Useful if RX FIFO overflows are being reported in the event log.
 - **Added Support for Multipathing**
 - Added iSCSIMPIO command to help initiators configured for Multipath I/O to recognize when a back end link has been broken so link failover can occur seamlessly.
- **Version 4.21 (Released 2/6/09)**
 - **Incident Resolutions/Bug Fixes/Changes**
 - Added support to force proper Windows device rescan when optical media is removed or replaced when multiple hosts are connected to the iPBridge.
- **Version 4.2 (Released 11/26/08)**
 - **Incident Resolutions/Bug Fixes/Changes**
 - The iPBridge now supports IBM Tivoli software
 - Updated help text on a few CLI commands
 - Improved READ ATTRIBUTE command length processing
 - WHQL TapelQ testing for DLT interoperability support
 - Improved memory usage and management for diagnostics
 - Ability to display processor time used by each task
 - Additional reporting provided to the info CLI command for the iPBridge 2700, the World Wide Port Name (WWPN) and World Wide Node Name (WWNN) are now displayed to better manage the iPBridge
- **Version 4.1 (Released 6/27/08)**
 - **Incident Resolutions/Bug Fixes/Changes**
 - Added ability to specify VLAN IDs for each data port for EmailNotify, iSNSServer, and SNMPTraps
 - iPbridges no longer allow DHCP discover to be issued during port initialization for a port address of 0.0.0.0 when DHCP is disabled for that port
 - MTU help text updated and iSCSIWANIPAddress GUI input on Ethernet Port Configuration page in ExpressNAV added
 - World Wide Node Name and World Wide Port Name no longer registered as the same WWN
 - Changed the way the TCP screen searches for a connection, eliminating iPBridge 2600 connection failures in certain configurations

- Added SNTP VLAN support to Time and Date page in ExpressNAV
 - Updated DumpConfiguration command to reflect all necessary output
 - Added VLAN help to Remote Management page of iPBridge 1550E/D
 - Updated help text on Time/Date and iSCSI pages of ExpressNAV
- **Version 4.0 (Released 1/27/08)**
 - **New Features**
 - ExpressFairness: Smooths the data transfers when a large number of hosts are connected to an iPBridge. ExpressFairness guarantees a fair amount of bandwidth to each user, preventing faster hosts from suffocating slower ones
 - The email client is now capable of authenticating itself to email servers as well as send out notification on SCSI errors and major FC errors.
 - ExpressWizard configuration utility: Allows the bridge to configure itself to optimize performance based on the user's answers to a few simple questions about their configuration
 - Native FC tape support will allow the user to use the iPBridge 2700 with a native FC tape drive
 - **Incident Resolutions/Bug Fixes/Changes**
 - iPbridges now support the OEM CLI configurable command SerialPageConfig which allows the Serial Configuration Page in ExpressNAV to be hidden when requested by an OEM
 - Configuring iSCSI CHAP settings for the discovery session in ExpressNAV no longer causes the bridge to hang
 - ExpressNAV now contains fields to enter e-mail usernames and passwords for e-mail notification of errors
 - All iPbridges now send the correct outgoing data digest values for all data
 - Removed some FibreBridge and FastStream-specific CLI commands from iPBridge
 - The info command now displays the WWN of all both FC ports on the iPBridge 2700
 - User only required to enter 'q' to escape the DisplayEventLog CLI command
 - The iPBridge 2700 now uses the label "FC Index" instead of "FCLUN" on the ExpressNAV mapping page
 - Help text added for Access Control Lists in ExpressNAV

3. Known Issues/Advisements

- All iPbridges
 - Product failure may result when using Qlogic iSCSI HBA 4010 in a Linux environment with iscsi commands issued to the bridge that exceed the value of the iSCSI maxburstlength key
- iPBridge 2600
 - Limited performance has been observed when using the Adaptec 7211c iSCSI HBA (IR5288) version 1.2 for Windows Server 2003

4. Affected Products

Note: This section should list all affected products of this release. For appliances this list should be fairly short, but for HBAs this may be a longer list. Use standard finished goods SKUs unless this is an OEM-specific release. Example Follows:

Product Name	SKU
iPBridge 1550E	IPBR-1550-ER0
iPBridge 1550D	IPBR-1550-DR0
iPBridge 2600C	IPBR-2600-CR0
iPBridge 2600R/D	IPBR-2600-DR0

5. Contacting ATTO Support

ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 8:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: techsupport@attotech.com