Release Notes

Product: Scalar 100® 6.10.0004
Date: March 2006

Contents

Purpose of This Release

Scalar 100 6.10.0004 addresses known issues in previous firmware releases. These release notes describe issues that were resolved for this release of the product. These notes also provide drive and auxiliary firmware compatibility information. Visit www.adic.com for additional information about Scalar 100 and previous releases.

Compatibility Matrix

The following tables provide information about drive and auxiliary firmware compatibility with Scalar 100 6.10.0004. This information is current as of the publication date of these release notes. For the most current information, contact the ADIC Technical Assistance Center (ATAC).

Library Firmware	Drive Firmware					AMC (client and server)	SNC 6101 Firmware[a]	RMU Firmware
	LTO-1 SCSI	LTO-2 SCSI	LTO-3 SCSI	LTO-2 FC	LTO-3 FC			
6.10.0004	5AU1	5AT0	5BG2	5AT0	5BG2	4.3.2	4.60.04	210A.00002

a. The SNC 6101 does not support AIT-2, DLT-7000, or DLT-8000 libraries.

Resolved Issues

This release of Scalar 100 firmware resolved the following issues.

Change Request Number	Description
CR 20179	SCSI: Tape Alert Flag #13 is now correctly set after four retries of a blocked get command.
CR 20180	SCSI: Tape Alert Flag #14 is now correctly set after the first set of failed place/put commands.
CR 20181	SCSI: Tape Alert Flag #15 is now correctly set when the library fails to load the cartridge.
CR 20182	SCSI: Tape Alert Flag #24 is now correctly set when an inventory mismatch occurs.
CR 20192	Library is taught once, and only once, when monitor command 'Teach' is used.
CR 20324	Removed the Service > Start > Advanced menu that provided the menu to change the serial number, because the serial number is not changeable.
CR 20347	Each partition is checked for overloading, and overloading is reported as Partition Overloaded or Logical Library Overloaded, as appropriate.
CR 22120	The "Scan retries" line at bottom of the Status > Library > System > Next > menu no longer displays.
CR 22507	The Operator Panel message that displays when interrupting cleaning tape import/export. The new message states "Import/Export of cleaning tape failed."
CR 29146	SAC:42, "An incorrect library configuration is detected...", is now issued when booting a library that has gap(s) between sleds.
CR 30338	The Operator Panel messages that display during configuration (regarding progress, status, and the ability to cancel) have been clarified and reduced.
CR 33493	The library no longer issues SAC:A2s or SAC:81s when Scanning process of a boot up is interrupted.
CR 34115	When a Demo that includes the I/E station is requested, the user is prompted to remove any cartridges from the I/E station. When the Demo continues, the picker will place cartridges in the I/E station as part of the Demo.
CR 35851	During the Touch on Init sequence, a status message is now displayed. The message is "Touching Cells" for storage cells, and "Touching I/E Cells".
CR 36578	Even if the library door is open, the library now responds correctly to a mode sense command.
CR 38299	Changing the Scan on Init or the Touch on Init sequence prompts for a library reboot in order for the changes to be accepted.
CR 38834	If the library door is open when attempting to run any of the following commands: Drive Diagnostics, Create FUP tape, Copy Dump, or Verify Test, the system now correctly displays the message: "To run this option the library must be Offline with the door closed."
CR 39112	The Unload Dialog and Reset Dialog now display the option All, which allows the command to be performed on all drives.

Change Request Number	Description
CR 39219	If the library door is open when attempting to move a tape, the system now correctly displays the message: "To run this option the library must be Offline with the door closed."
	If the library is still in an unknown state (because the door has been recently shut and the library is being scanned), when the user attempts to move a tape, the system now correctly displays the message: "To run this option the library must first complete its scanning process."
CR 39242	If the library is in an Online state when attempting to initiate a firmware update with a FUP tape, the system now correctly displays the message: "To run this option the library must be Offline with the door closed."
CR 39457	All License Key features are defaulted to ON when the Scalar 100 firmware is loaded in manufacturing.
CR 39986	Improved the initialization process that immediately follows I/E door closing. Once Online displays, soft buttons are immediately responsive.
CR 41199	During a firmware upgrade, a drive is always selected. It is no longer possible to un-select the last drive.
CR 41395	Improved display to check drive type and correctly indicate "FC ID" after updating firmware on a fibre drive.
CR 41621	When a Media R/W or Head R/W drive diagnostic is interrupted by opening and closing the door, the library now recovers without requiring a reboot. The recovery procedure is for the library to re-teach, re-scan, eject tape from drive, and return tape to slot [1 A 1].
CR 42124	Monitor commands can now be given more than 6 parameters.
CR 42766	Attempting to use WORM media for Drive Diagnostics on LTO-3 drives now generates the error: "Incompatible Media."
CR 42944	If the library is booted with the I/E door open, the system now correctly displays a message to indicate the door is open.
CR 42951	The License screen is no longer available from Library > Utils > More, because the license key feature is not utilized for Scalar 100.
CR 42968	If Autoclean is already enabled and OK is selected on the Autoclean Setup screen, the library no longer inventories the fixed-cleaning slots.
CR 43488	The message "Firmware update complete" now displays whenever downloading drive firmware via the RMU is successful.
CR 43821	Attempting to use unlabeled LTO-3 media in an LTO-2 drive now correctly displays a message to indicate incompatible media.
CR 45338	When the element status is requested (SCSI RES [B8h]), error messages are now presented as follows: If the I/E door is partially open (or closed with the library scanning), the error message indicates that the library is not yet ready. If the I/E door is fully open, no library error is generated, but the individual cells on the I/E door are reported as 8303, "Label and Full Status Questionable."
CR 46618	When running a demo, the Demo Dialog allows selection of a specific partition by number, or All to run Demo on the entire library.
CR 46818	The serial number can now be set via a serial connection.

Change Request Number	Description
CR 47775	Improved the initialization process that immediately follows I/E door closing. Once Online status displays, correct element information displays.
CR 47834	Improved the initialization process that immediately follows I/E door closing. Erroneous TapeAlerts are no longer generated during initialization.
CR 50211	The library Status page, as displayed by the RMU, now displays the complete library firmware version.
CR 50524	It is now possible to use the RMU for downloading firmware to multiple drives at one time.
CR 51499	The following additional diagnostic logs are now available for download through the RMU: Version (VER), Show Position (SHPOS), Drive X Error Log, Drive X Dump, and Library Error Log.
CR 51926	Removed some unused hyperterm and serial code to free up space on the Scalar 100 main circuit board.
CR 51951	If a cartridge slot is empty because its cartridge is in a drive, a new cartridge cannot be imported and assigned to that empty slot.
CR 52360	When the Teach command is executed, the counts for the events of put, put retry, and get retry are reset. The count information is available from the SHPOS diagnostic file.
CR 52589	The copyright year was updated to 2006 in the Main > More > About display of the Operator Panel.
CR 53386	Obtaining a drive dump through the RMU with LTO-3 (5BG2 code) now works consistently.
CR 53437	Attempting to preserve a drive dump for LTO-1 or LTO-2 drive now generates an error message.
CR 53451	The library now allows importing media from an I/E slot that was previously used for exporting a cleaning tape.
CR 53610	Using the SCSI Move Medium command with the I/E door open now generates the correct error code.
CR 53739	The library now allows importing media from an I/E slot that was previously used for exporting media.
CR 54842	Revised the order of reporting library inventory information to the host application, which now results in more accurate initial determination of I/E status.

Documentation

The following documents are currently available for the Scalar 100.

Document Number	Document Title
6-00667-06	Scalar 100 User's Guide
6-00671-01	Scalar 100 Quick Start Guide

Document Number	Document Title
6-00064-05	ADIC Management Console 4.3 User's Guide
6-00701-03	SNC 6101 Installation and Maintenance Guide
6-00676-03	SNC Firmware 4 User's Guide
62-0197-01	SNC 5101 for the Scalar 100 User Manual
3-01153-07	Scalar 100 Documentation and Software CD

Contacting ADIC

Contact information for the ADIC Technical Assistance Center (ATAC) follows.

ADIC Technical Assistance Center (ATAC) in the USA:	800-827-3822
For additional contact information:	www.adic.com/contact