



Product Change Notice

Product Model Name: G-Enterprise
Date: March 2008
Reference ECO No: 18891

Reason for Change

This PCN announces the release of G164 – G638 library firmware version 6.30. The firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- The picker load force has been increased to accommodate media with higher shutter tolerances.
- Error Codes SK = 3Bh, ASC = 07h and ASQ = 06h and SK = 3Bh, ASC = 06h and ASCQ = 05h have been removed and a picker calibration will now be performed.
- 10 SPLIT LIBR. BUS has been removed from the menu 1CONFIG INFORMATION

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **6.30**

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
4.80	April 2006	17634
5.00	January 2007	18287
6.00	May 2007	18459
6.10	October 2007	18702
6.20	March 2008	18891
6.30	August 2008	19031

Contact Information for Technical Questions:

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Product Change Notice

Product Model Name: G-Enterprise

Date: March 2008

Reference ECO No: 18891

Reason for Change

This PCN announces the release of G164 – G638 library firmware version 6.20. The firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- If an allow media removal command is not sent to the optical drive prior to an exchange media command (A6h), the command can not complete. The library will now return the media in the picker to the storage slot where it was originally picked from.
- Implementation of the UDO2, 60 GB optical drive cleaning cartridge option has been added to the library maintenance mode.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **6.20**

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
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Product Change Notice

Product Model Name: G-Enterprise

Date: January 2007

Reference ECO No: 18459

Reason for Change

This PCN announces the release of G164 – G638 library firmware version 6.10. The firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Mode Sense changed to eliminate Ignore 'Wide Residue' message for Archive Appliance
- Resolved error code 99 subcode 04 when a UDO30 or UDO60 drive was restored and a initialize element, 07h command, was performed.
- Reports proper drive type for UDO, 'UDO1 or 'UDO2' when in library front panel menus.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **6.10**

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
4.80	April 2006	17634
5.00	January 2007	18287
6.00	May 2007	18459
6.10	October 2007	18702

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Product Change Notice

Product Model Name: G-Enterprise

Date: May 2007

Reference ECO No: 18459

Reason for Change

This PCN announces the release of G164 – G638 library firmware version 6.00. The firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Implemented firmware support for UDO60 drives.
- Lengthened the drive eject timeout that the library monitors.
- Increased temperature threshold by 10 degrees Celsius to accommodate RoHS main controller circuit board and cabinet temperature warnings of 5D.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **6.00**

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
4.80	April 2006	17634
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Product Change Notice

Product Model Name: G164 – G638

Date: January 2007

Reference ECO No: 18287

Reason for Change

This PCN announces the release of G-Series library firmware version 5.00. The firmware is available at no cost from Plasmon via the website www.plasmontech.com. Please contact Plasmon before installing this firmware on IBM OS/400 libraries.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Resolved intermittent internal stack overflow on the main controller board, which caused a potential library lockup.

Firmware

To confirm the current firmware version using the front panel display menus, select 1 Library Status > 1 Config Information > Unit Information. If the new firmware is installed, the front panel displays: **XXXSlot/XXDrive Firmware V5.00** in bold text, where the Xs are number identifiers.

This firmware upgrade does not affect a library running in STD G mode. The firmware displayed in STD G mode is 3.50.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
4.70	December 2005	17415
4.80	April 2006	17634
5.00	January 2007	18287

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Product Change Notice

Product Model Name: G64 – G638
Date: April 2006
Reference ECO No: 17634

Reason for Change

This PCN announces the release of G-Series library firmware version 4.80. The firmware is available at no cost from Plasmon via the website www.plasmontech.com. This upgrade does not apply to G-Series configured for IBM OS/400.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Implemented Archive Appliance, AA, enabled Enterprise G via a new configuration plug.
- Implemented UDO Drive cleaning option in Maintenance Mode.
- Enabled use of G-Enterprise main controller in an Enterprise D. Refer to technical bulletin EDTB003 for more information.

Firmware

To confirm the current firmware version using the front panel display menus, select 1 Library Status > 1 Config Information > Unit Information. If the new firmware is installed, the front panel displays: **XXXSlot/XXDrive Firmware V4.80** in bold text, where the Xs are number identifiers.

This firmware upgrade does not affect a library running in STD G mode. The firmware displayed in STD G mode is 3.50.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 2002	15221
3.12	January 2004	16090
4.00	March 2004	16187
4.10	June 2004	16337
4.20	August 2004	16522
4.30	September 2004	16607
4.40	March 2005	16824
4.50	April 2005	16949
4.60	July 2005	17073
4.70	December 2005	17415
4.80	April 2006	17634

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Product Change Notice

Product Model Name: G64 – G638
Date: January 2006
Reference ECO No: 17415

Reason for Change

This PCN announces the release of G-Series library firmware version 4.70. The firmware is available at no cost from Plasmon via the website www.plasmontech.com. This upgrade does not apply to G-Series configured for IBM OS/400.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected barcode label type 3 functionality. Label data is now returned correctly.
- Corrected the Import/Export bit of the Move Medium Command Descriptor Block to match the SCSI Reference Manual for these libraries.

Firmware

To confirm the current firmware version using the front panel display menus, select 1 Library Status > 1 Config Information > Unit Information. If the new firmware is installed, the front panel displays: **XXXSlot/XXDrive Firmware V4.70** in bold text, where the Xs are number identifiers.

This firmware upgrade does not affect a library running in STD G mode. The firmware displayed in STD G mode is 3.50.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	11 July 2002	15221
3.12	8 January 2004	16090
4.00	4 March 2004	16187
4.10	24 June 2004	16337
4.20	23 August 2004	16522
4.30	30 September 2004	16607
4.40	9 March 2005	16824
4.50	27 April 2005	16949
4.60	22 July 2005	17073
4.70	17 December 2005	17415

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Product Change Notice

Product Model Name: G64 – G638
Date: July 2005
Reference ECO No: 17073

Reason for Change

This PCN announces the release of G-Series library firmware version 4.60. The firmware is available at no cost from Plasmon via the website www.plasmontech.com. This upgrade does not apply to G-Series configured for IBM OS/400.

Description of Change

The following changes/features are incorporated into the new firmware release:

- If mixed media is disabled the drive media type is set by the drive type installed in the library. If it is determined during this process that both UDO and MO drives are present, disabling mixed media is not allowed.
- Corrected the library mispick timing problem with Linux during a UDO drive media eject.
- Corrected Initialize Single Element command (C7h) for mixed media.

Firmware

To confirm the current firmware version using the front panel display menus, select 1 Library Status > 1 Config Information > Unit Information. If the new firmware is installed, the front panel displays: **XXXSlot/XXDrive Firmware V4.60** in bold text, where the Xs are number identifiers.

This firmware upgrade does not affect a library running in STD G mode. The firmware displayed in STD G mode is 3.50.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	11 July 2002	15221
3.12	8 January 2004	16090
4.00	4 March 2004	16187
4.10	24 June 2004	16337
4.20	23 August 2004	16522
4.30	30 September 2004	16607
4.40	9 March 2005	16824
4.50	27 April 2005	16949
4.60	22 July 2005	17073

Product Change Notice

Product Model Name: G64 – G638
Date: April 2005
Reference ECO No: 16949

Reason for Change

This PCN announces the release of G-Series library firmware version 4.50. The firmware is available at no cost from Plasmon via the website www.plasmontech.com. This upgrade does not apply to G-Series configured for IBM OS/400.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Bar code retry changed to accommodate Archive Appliance.
- Resolved error code 3B subcode 06 internal error code 04 during UDO sensor retry path. It is still possible that error code 3B subcode 06 internal error code 04 can occur due to mechanical hardware failure.
- Media type (UDO or MO) is now set when media is removed from the drive using the drive type.
- Resolved picker offset failure, front panel error code 91.
- Change the lift position during media stores to resolve front panel error code 21. It is still possible that front panel error code 21 can occur due to mechanical hardware failure.

Firmware

To confirm the current firmware version using the front panel display menus, select 1 Library Status > 1 Config Information > Unit Information. If the new firmware is installed, the front panel displays: **XXXSlot/XXDrive Firmware V4.50** in bold text, where the Xs are number identifiers.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	11 July 2002	15221
3.12	8 January 2004	16090
4.00	4 March 2004	16187
4.10	24 June 2004	16337
4.20	23 August 2004	16522
4.30	30 September 2004	16607
4.40	9 March 2005	16824
4.50	27 April 2005	16949

Product Change Notice

Product Model Name: G64 – G638
Date: March 2005
Reference ECO No: 16824

Reason for Change

This PCN announces the release of G-Series library firmware version 4.40. This firmware is available at no cost from Plasmon via the website www.plasmontech.com. This upgrade does not apply to G-Series configured for IBM OS/400.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected delays (up to 10 seconds) on drive eject commands.
- Improved performance of slow scan.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **XXXSlot/XXDrive Firmware V4.40** in bold text, where the Xs are number identifiers.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 11, 2002	15221
3.12	January 8, 2004	16090
4.00	March 4, 2004	16187
4.10	June 24, 2004	16337
4.20	August 23, 2004	16522
4.30	September 30, 2004	16607
4.40	March 9, 2005	16824

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Product Change Notice

Product Model Name: G64 – G638
Date: September 30, 2004
Reference ECO No: 16607

Reason for Change

This PCN announces the release of G-Series library firmware version 4.30. This revision corrects a potential load failure that may be experienced with UDO drives. This firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected the slight pullback in the picker action profile when loading media into a UDO drive. This change does not affect MO drive loading.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **XXXSlot/XXDrive Firmware V4.30** in bold text, where the Xs are number identifiers.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 11, 2002	15221
3.12	January 8, 2004	16090
4.00	March 4, 2004	16187
4.10	June 24, 2004	16337
4.20	August 23, 2004	16522
4.30	September 30, 2004	16607

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Product Change Notice

Product Model Name: G64 – G638
Date: August 23, 2004
Reference ECO No: 16522

Reason for Change

This PCN announces the release of G-Series library firmware version 4.20. This firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected Picker Offset failures by increasing the upper threshold limit by two counts.
- Added “MO Drives Only” to the Front Panel Display menu options at Set Up Library>Drive Options>Write Cache, and Set Up Library>Drive Options>Verify on Write.
- Corrected short eject problem when hot swapping an MO drive with a UDO drive module and no library power cycle.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **XXXSlot/XXDrive Firmware V4.20** in bold text, where the Xs are number identifiers.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 11, 2002	15221
3.12	January 8, 2004	16090
4.00	March 4, 2004	16187
4.10	June 24, 2004	16337
4.20	August 23, 2004	16522

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Product Change Notice

Product Model Name: G64 – G638
Date: July 26, 2004
Reference ECO No: 16337

Reason for Change

This PCN announces the release of G-Series library firmware version 4.10. This firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected Cycle Drive eject failures (UDO). Added UDO drive ready polling before sending drive eject command.
- Modified library firmware to run with or without SCSI redrive circuit board.
- Corrected Mode Select failures when Mixed Media is set.
- Added Split Library Bus option to front panel display menus to allow a unique custom configuration placing the library on its own SCSI bus (bus 1) separate from the drives. Requires special wiring.
- Replaced front panel display message “MO Library System” with “Plasmon Library”.

Firmware

To confirm the current firmware version using the front panel display menus, select menu 1 Library Status > 1 Config Information > 1 Unit Information. If the new firmware is installed the front panel displays: **XXXSlot/XXDrive Firmware V4.10** in bold text, where the Xs are number identifiers.

The following table shows the release history of the G-Series firmware.

Code	Release Date	ECO#
3.06	July 11, 2002	15221
3.12	January 8, 2004	16090
4.00	March 4, 2004	16187
4.10	June 24, 2004	16337

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G-Series UDO ready FW Change Document

Preliminary Release V4.00H

V4.00H is the preliminary release of the firmware to support UDO drives in the G-Series UDO ready libraries.

V4.00I

UDO enters FAULT state and locks up if CARTRIDGE- PRESENT signal goes away during cartridge load. FIXED

Excessive picker ratcheting w/ UDO drv load. FIXED

Barcode type 1 not working in G104 with MS3 barcode reader.

V400J

Make MS3 Barcode handling more robust by allowing longer timeout

V400K

CJC_031111_TTP160 – Correct erroneous Error 33 SubCode 06 Column 0 errors
Now, retry one time and do not enter into error log if retry is successful.

V400L

Make MS3 Barcode handling more robust by using less aggressive scan profile

READ-ELEMENT-STATUS mis-reports data-transfer MEDTYPE byte if drive is empty. fixed

V400M

Refines fix for UDO drive in FAULT state.