Software Product Description

PRODUCT NAME: HP Media Robot Utility, Version 1.8   **SPD 64.44.09**

DESCRIPTION

HP Media Robot Utility (MRU) is a multiplatform software utility that provides direct robotic control for HP DLT (Digital Linear Tape), Super DLT and 4mm (DAT) loaders, the TL8nn libraries, and the TKZ loaders. This product provides the ability for the user to load a cartridge from a selected robot slot into a specified robot drive and unload the cartridge from the drive. It also provides the user the ability to move the cartridge from slot/drive/port to slot/drive/port if the hardware device qualifies the move.

The commands qualified are:

- **Load**—Moves a cartridge from slot to drive.
- **Unload**—Moves a cartridge from drive to slot.
- **Inject**—Moves a cartridge from port to slot.
- **Eject**—Moves a cartridge from slot to port.
- **Move**—Moves a cartridge from slot/drive/port to slot /drive/port as long as the hardware device qualifies the move.
- **Show**—Displays information.
- **Ready**—Allows opening the import mechanism door on member robots of the TL82x family of libraries.
- **Lock/Unlock**—Prevents or allows media removal on robots that qualifies this feature.
- **Help**—Displays information on the commands.
- **Position**—Moves the changer mechanism to an element.
- **Find Cartridge**—Locates cartridges by external barcode label.
- **Initialize**—Inventories the robot.

- **Home**—Returns cartridge to previous location.
- **Reserve**—Reserves the device for exclusive use on the host.
- **Release**—Releases the device from exclusive use on the host.

MRU software provides a command line interface, graphic user interface, and application programming interface for Windows XP, HP™ Tru64 UNIX®, and OpenVMS™ operating systems.

Hardware Requirements

MRU is compatible with the following libraries and loaders:

- Automated Tape Libraries as listed below.
- HP SCSI Loaders: ALL
- HP DAT Loaders: All
- HP TKZ61, TKZ62, and TKZ64
- ESL E-Series Libraries
- ESL9000 Series Libraries
- ESL712e Series Libraries
- MSL5000 Series Libraries
- MSL6030 Series Libraries
- SSL2000 Series Libraries
- TL891DLX Library

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The following table shows controller software and firmware requirements:

HSJnn	HSJ30 & HSJ40 - v2.5 HSOF firmware or later required
	HSJ50 - v5.1 HSOF firmware or later required
HSDnn	HSD30 - v2.5 HSOF firmware or later required
	HSD50 - v5.1 HSOF firmware or later required
HSZnn	HSZ40 v3.1 HSOF firmware or later required
	HSZ50 v5.1 HSOF firmware or later required
	HSZ70 v7.0 HSOF firmware or later required
MDR†	HP Modular Data Router - firmware v1170 or later required
NSR†	M2402 Network Storage Router - firmware v4.02aw or later required

†The MDR and NSR is supported on OpenVMS Alpha 7.3-2 and above

The following list shows tape loader and library software and firmware requirements:

ESL630e	version 3.2 or later firmware required
ESL712e	version 3.2 or later firmware required
ESL9198DLX	version V1.42 or later firmware required
ESL9198SL	version V1.42 or later firmware required
ESL9322S2	version V3.20 or later firmware required
ESL9322L2	version V3.20 or later firmware required
ESL9326D	version V1.42 or later firmware required
ESL9326DX	version V1.42 or later firmware required
ESL9326S2	version V1.42 or later firmware required
ESL9595SL	version V3.20 or later firmware required
ESL9595S2	version V3.20 or later firmware required
ESL9595L2	version V3.20 or later firmware required
SSL2020	version 4.09 firmware required
MSL5026DLX	version V4.04 firmware required
MSL5026SL	version 0221 firmware required
MSL5026S2	version 4.04 firmware required
MSL5026S2-FC	version 4.04 firmware required
MSL6030L2	version 4.14 firmware required
TLZ6L	4BQ or later firmware required
TLZ7L	4BQ or later firmware required
TLZ9L	version A020 or later required
TSL10000	version 5.10 firmware required
TZ857	version 4318 or later required
TZ867	version 4318 or later required
TZ877	version 9A28 or later required
TZ875	version 9514 or later required
TZ885	version CC1E
TZ887	version CC1E
TL810	version 1.20 or later firmware required
TL812	version 1.20 or later firmware required
TL820	version 4C or later firmware required
TL822	version 4C or later firmware required
TL826	version 4G or later firmware required
TL891	version V4.09 or later firmware required
TL891DLX	version V5.19 or later firmware required
TL892	version V4.09 or later firmware required
TL893	version 5A required
TL894	version 1.25 required
TL895	version 2.20 required
TL896	version 5A required
TKZ61†	version 0613 or later firmware required on hardware revision B02 or greater
TKZ62†	version 0613 or later firmware required on hardware revision B02 or greater
2T-TKZ64†	version 0613 or later firmware required on hardware revision A01 or greater

†Sometimes may not work with HSD30

For MRU to operate the library or loader must also be qualified by the operating system.

For Windows XP systems, MRU software is compatible with libraries and loaders connected by the KZPAA and KZPSA adapters, and other PCI based, SCSI-2 compliant adapters using the AIC78xx bus driver.

For Windows 2000 and Windows XP sytems, MRU software is compatible with libraries and loaders connected by the KZPBA and other PCI based, SCSI-2 compliant adapters using the AIC78xx bus driver.

Unsupported Connections

Connections via the HSCnn, HSD05, HSD10, and AHA1740 are not qualified.

Software Requirements

OpenVMS software requirements for the command line interface:

OpenVMS VAX:	V7.3 (SPD 25.01.XX)
OpenVMS Alpha:	V7.3-2 (SPD 25.01.XX)
	V8.2 (SPD 82.35.XX)
OpenVMS I64:	V8.2 (SPD 82.35.XX)
	V8.2-1 (SPD 82.35.XX)

Refer to the appropriate OpenVMS Operating System Software Product Description (SPD) for additional details.

OpenVMS software requirements for the Motif graphic user interface and application programming interface:

- OpenVMS VAX or Alpha or I64 operating system version 7.3 on VAX or 7.3-2 and 8.2 on Alpha, or 8.2 and 8.2-1 on I64

- Motif version 1.2.5 or later on VMS

Tru64 UNIX software requirements for the command line interface and application programming interface:

- Tru64 UNIX version 4.0F and 4.0G

- Tru64 UNIX versions 5.1, 5.1A and 5.1B

- SCSI CAM Layered Components for Tru64 UNIX

Tru64 UNIX software requirements for graphic user interface:

- Tru64 UNIX version 4.0F and 4.0G

- Motif version 1.2.3

This software is required to support the robotic media-handling devices on Tru64 UNIX platforms. See the SCSI CAM Layered Components for Tru64 UNIX SPD (SPD 50.68.xx) for details.

MRU software runs under Windows 2000 and Windows XP operating systems.

Software Licensing

This software is furnished only under a license. For more information about HP's licensing terms and policies, contact your local HP office.

The license for MRU is granted for use on one specified system.
The MRU License grants the rights to unlimited use of the SCSI CAM Layered Components for Tru64 UNIX Media Changer Device Driver (SPD 50.68.xx).

Distribution Media

The HP Media Robot Utility is available on CD ROM. The media contains the OpenVMS (VAX, Alpha and I64), Tru64 UNIX, and Windows 2000/Windows XP executables and documentation.

The HP Media Robot Utility CD ROM also contains the SCSI CAM Layered Components for Tru64 UNIX systems, versions 4.0F and 4.0G and Tru64 UNIX systems, versions 5.1, 5.1A and 5.1B.

Ordering Information

The following table shows part numbers for ordering product:

Offering	Order Number
Software license	QM-50TAA-AA
VAX and Alpha:	
Software license with Media and Documentation	QB-50TAA-SA
I64:	
Software license with Media and Documentation	BA445AA

SOFTWARE PRODUCT SERVICES

A variety of service options are available from HP. For more information, contact your local HP account representative or distributor. Information is also available on www.hp.com/hps/software.

SOFTWARE WARRANTY

This software is provided by HP with a ninety-day conformance warranty in accordance with the HP warranty terms applicable to the license purchase.