



# Software Product Description

PRODUCT NAME: HP Media Robot Utility, Version 1.8B

SPD 64.44.12

## 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, Tru64 UNIX®, and OpenVMS operating systems.

## HARDWARE REQUIREMENTS

MRU is compatible with the following automated tape libraries and loaders:

- HP SCSI Loaders: ALL
- HP DAT Loaders: All
- HP TKZ61, TKZ62, and TKZ64
- HP 1x8 Autoloaders
- EML E-Series Libraries\*
- ESL E-Series Libraries†
- ESL9000 Series Libraries
- MSL2024 Library
- MSL4048 Library
- MSL5000 Series Libraries
- MSL6000 Series Libraries

\* EML E-Series Libraries are also supported in the Partition mode.

† ESL E-Series Libraries are also supported in the Partition mode.

- SSL2000 Series Libraries
- TL891DLX Library
- VLS 6000 Libraries

The following table shows controller software and firmware requirements:

|              |                                         |
|--------------|-----------------------------------------|
| ESL9326DX    | version 1.42 or later firmware required |
| ESL9326S2    | version 1.42 or later firmware required |
| ESL9595SL    | version 3.20 or later firmware required |
| ESL9595S2    | version 3.20 or later firmware required |
| ESL9595L2    | version 3.20 or later firmware required |
| MSL2024      | version 1.80 or later firmware required |
| MSL4048      | version 4.40 or later firmware required |
| SSL2020      | version 4.09 firmware required          |
| MSL5026DLX   | version 4.04 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          |

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

**QUALIFIED DEVICES**

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

|                   |                                         |          |                                         |
|-------------------|-----------------------------------------|----------|-----------------------------------------|
| HP 1x8 Autoloader | version 1.20 or later firmware required | TL810    | version 1.20 or later firmware required |
| EML E-Series      | version 1.22 or later firmware required | TL812    | version 1.20 or later firmware required |
| ESL630e           | version 3.2 or later firmware required  | TL820    | version 4C or later firmware required   |
| ESL712e           | version 3.2 or later firmware required  | TL822    | version 4C or later firmware required   |
| ESL9198DLX        | version 1.42 or later firmware required | TL826    | version 4G or later firmware required   |
| ESL9198SL         | version 1.42 or later firmware required | TL891    | version 4.09 or later firmware required |
| ESL9322S2         | version 3.20 or later firmware required | TL891DLX | version 5.19 or later firmware required |
| ESL9322L2         | version 3.20 or later firmware required | TL892    | version 4.09 or later firmware required |
| ESL9326D          | version 1.42 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 |
| VLS 6000  | version 1.0.4 software required                                             |

†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 that are connected to the KZPAA, KZPSA and other PCI based SCSI-2 compliant adapters using the AIC78xx bus driver.

For Windows 2000 and Windows XP systems, MRU software is compatible with libraries and loaders that are connected to 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 Integrity Servers: | V8.2-1 (SPD 82.35.XX)<br>V8.3 (SPD 82.35.XX)                        |
| OpenVMS Alpha:             | V7.3-2 (SPD 25.01.XX)<br>V8.2 (SPD 82.35.XX)<br>V8.3 (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 Integrity Servers/OpenVMS Alpha

- V8.2-1 and V8.3 on OpenVMS Integrity Servers /V7.3-2, V8.2 and V8.3 on OpenVMS Alpha
- Motif version 1.2.5 or later on VMS

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

- Tru64 UNIX V4.0F and V4.0G
- Tru64 UNIX V5.1, V5.1A and V5.1B
- SCSI CAM Layered Components for Tru64 UNIX

Tru64 UNIX software requirements for graphic user interface:

- Tru64 UNIX V4.0F and V4.0G
- Motif V1.2.3

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

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

### DISTRIBUTION MEDIA

The HP Media Robot Utility is available on CD ROM. The media contains the OpenVMS (Integrity Servers and Alpha), 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, V4.0F and V4.0G and V5.0.

### SOFTWARE LICENSING

This software is furnished only under a license. For more information about HP's licensing terms and policies, contact your HP account representative or distributor. The license for MRU is granted for use on one specified system.

The MRU media is also provided with the Archive Backup Software (ABS) kit. If a customer has ABS installed on a system, then the ABS license allows the customer the rights to use MRU on that 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).

**ORDERING INFORMATION**

The following table shows part numbers for ordering product:

| Offering                                      | Order Number |
|-----------------------------------------------|--------------|
| Integrity Servers:                            |              |
| Software license with Media and Documentation | BA445AA      |
| Alpha:                                        |              |
| Software license                              | QM-50TAA-AA  |
| Software license with Media and Documentation | QB-50TAA-SA  |

**SOFTWARE PRODUCT SERVICES**

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

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