

**HP StorageWorks Tape Automation  
MSL6000 drive upgrade matrix**

Upgrade to drive	SDIT 600 (Ultra 160 SCSI)	Ultrium 460 (Ultra 160 SCSI)	Ultrium 960 (Ultra 320 SCSI)	Ultrium 1840 (Ultra 320 SCSI)	Mixed Drives DT18000 & SDIT	Mixed Drives SDIT & LTO	Mixed Drives
Library	Supported (drives replacement only)	Supported	Supported	Supported	Not supported	Not supported*	Ultrium 460 & 960 & 1840 Supported*
<b>MSL6030 &amp; MSL6060 (6-3 part nos)</b>	Supported (drives replacement only)	Supported	Supported	Supported	Not supported	Not supported*	Supported*
<b>requires</b>	<b>AD589B</b> MSL add-on SDIT 600 drive <b>AD620A</b> MSL Dual Magazine Pack DLT/SDIT (2, required for MSL6060) Use only with e1200-160 or e1200-320 4Gb FC controller	<b>AD605B</b> MSL Ultrium 460 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-160 or e1200-320 4Gb FC controller	<b>AD612B</b> MSL Ultrium 960 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-160 or e1200-320 4Gb FC controller	<b>AJ028A</b> MSL Ultrium 1840 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-320 4Gb FC controller.	<b>X</b>	<b>X</b>	<b>X</b>
<b>MSL6030 &amp; MSL6060 (5 digit part number)</b>	Supported (drives replacement only)	Supported	Supported	Supported	Not supported	Not supported*	Supported*
<b>requires</b>	<b>AD589B</b> MSL add-on SDIT 600 drive <b>AD620A</b> MSL Dual Magazine Pack DLT/SDIT (2, required for MSL6060)	<b>AD605B</b> MSL Ultrium 460 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-160 or e1200-320 4Gb FC controller	<b>AD612B</b> MSL Ultrium 960 Upgrade Drive (configure single drive per SCSI bus) In FC SAN config use only with e1200-160 or e1200-320 FC controller	<b>AJ028A</b> MSL Ultrium 1840 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-320 4Gb FC controller.	<b>X</b>	<b>X</b>	<b>X</b>
<b>MSL6026 &amp; MSL6052</b>	Supported	Supported (drives replacement only)	Supported (drives replacement only)	Supported (drives replacement only)	Not supported	Not supported*	Supported*
<b>requires</b>	<b>AD589B</b> MSL add-on SDIT 600 drive	<b>AD605B</b> MSL Ultrium 460 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-160 or e1200-320 4Gb FC controller <b>AD621A</b> MSL Dual Magazine Pack LTO (2, required for MSL6052)	<b>AD612B</b> MSL Ultrium 960 Upgrade Drive (configure single drive per SCSI bus) In FC SAN config use only with e1200-160 or e1200-320 4Gb FC controller <b>AD621A</b> MSL Dual Magazine Pack LTO (2, required for MSL6052)	<b>AJ028A</b> MSL Ultrium 1840 Upgrade Drive (configure single drive per SCSI bus) Use only with e1200-320 4Gb FC controller. <b>AD621A</b> MSL Dual Magazine Pack LTO (2, required for MSL6052)	<b>X</b>	<b>X</b>	<b>X</b>

\* Note: MSL libraries will not support SDIT and LTO cartridges in the same library module because of difference in media magazine size. However support for MSL libraries with SDIT and LTO drives in SEPARATE MODULES in a multi-unit stack, is supported. Mixed drive capability requires library partitioning (zoning) support by ISV backup application software, confirm if you backup software supports media partitioning.

**HP StorageWorks Tape Automation  
MSL5000 drive upgrade matrix**

Upgrade to drive library	SDT 600 (Ultra 1.60 SCSI) Not supported	Ultrium 460 (Ultra 1.60 SCSI) Not supported	Ultrium 960 (Ultra 320 SCSI) Not supported	Ultrium 1840 (Ultra 320 SCSI) Not supported	Mixed Drives DL18000 & SDIT Supported	Mixed Drives SDIT & LTO Not supported	Mixed Drives Ultrium 220 & 460 & 960 Not supported
<b>MSL5026DLX (Opal) requires</b>	X	X	X	X	Supported	X	X
<b>MSL5026SL (Opal) requires</b>	Not supported	Not supported	Not supported	Not supported	Supported	Not supported	Not supported
<b>MSL5026SL (graphite) and MSL5052SL requires</b>	Supported	Supported (drives replacement only)	Supported (drives replacement only)	Supported (drives replacement only)	Supported	Not supported*	Supported
<b>MSL5030L1 &amp; MSL5060L1 requires</b>	Supported (drives replacement only)	Supported	Supported	Supported	Not supported	Not supported*	Supported
<b>MSL5026S2 &amp; MSL5052S2 requires</b>	Supported (drives replacement only)	Supported (drives replacement only)	Supported (drives replacement only)	Supported (drives replacement only)	Supported	Not supported*	Supported

\*Note: MSL libraries will not support SDIT and LTO cartridges in the same library module because of difference in media magazine size. However support for MSL libraries with SDIT and LTO drives in SEPARATE MODULES in a multi-unit stack is supported

\*\* New MSL6000 models with 5 digital part number were made available starting in April 2005 and offer the same slots, number of drives and specifications as the MSL6000 models with 6-3 part numbers, but will use a different drive shoe

Mixed drive capability requires library partitioning (zoning) support by ISV backup application software, confirm if you backup software supports media partitioning

HP StorageWorks Tape Automation  
MSL G3 drive upgrade matrix

Upgrade to drive Library	Ultrium 448 Ultra 1.60 SCSI Supported	Ultrium 920 Ultra 320 SCSI or 3Gb/s SAS Supported	Ultrium 960 Ultra 320 SCSI or Native Fibre Channel Supported	Ultrium 1840 Ultra 320 SCSI or Native Fibre Channel Supported	Mixed Drives Ultrium 448, 920, 960 & 1840 Supported*
<b>MSL2024</b> <b>requires</b>	<b>AG118A</b> LTO-2 Ultrium 448 SCSI Drive Upgrade Kit (maximum of two drives)	<b>AH173A</b> LTO-3 Ultrium 920 SCSI Drive Upgrade Kit (maximum of two drives) <b>AH562A</b> LTO-3 Ultrium 920 SAS Drive Upgrade Kit (maximum of two drives)	<b>AG327A</b> MSL LTO-3 Ultrium 960 SCSI Drive Upgrade Kit (maximum of one drive) <b>AG328B</b> MSL LTO-3 Ultrium 960 4Gb FC Drive Upgrade Kit (maximum of one drive)	<b>AJ041A</b> LTO-4 Ultrium 1840 SCSI Drive Upgrade Kit (maximum of one drive) <b>AJ042A</b> LTO-4 Ultrium 1840 4Gb FC Drive Upgrade Kit (maximum of one drive)	<b>X</b>
<b>MSL4048</b> <b>requires</b>	Supported <b>AG118A</b> LTO-2 Ultrium 448 SCSI Drive Upgrade Kit (maximum of four drives)	Supported <b>AH173A</b> LTO-3 Ultrium 920 SCSI Drive Upgrade Kit (maximum of four drives) <b>AH562A</b> LTO-3 Ultrium 920 SAS Drive Upgrade Kit (maximum of four drives)	Supported <b>AG327A</b> MSL LTO-3 Ultrium 960 SCSI Drive Upgrade Kit (maximum of two drives) <b>AG328B</b> MSL LTO-3 Ultrium 960 4Gb FC Drive Upgrade Kit (maximum of two drives)	Supported <b>AJ041A</b> LTO-4 Ultrium 1840 SCSI Drive Upgrade Kit (maximum of two drives) <b>AJ042A</b> LTO-4 Ultrium 1840 4Gb FC Drive Upgrade Kit (maximum of two drives)	Supported* <b>X</b>
<b>MSL8096</b> <b>requires</b>	Supported <b>AG118A</b> LTO-2 Ultrium 448 SCSI Drive Upgrade Kit (maximum of four drives)	Supported <b>AH173A</b> LTO-3 Ultrium 920 SCSI Drive Upgrade Kit (maximum of four drives) <b>AH562A</b> LTO-3 Ultrium 920 SAS Drive Upgrade Kit (maximum of four drives)	Supported <b>AG327A</b> MSL LTO-3 Ultrium 960 SCSI Drive Upgrade Kit (maximum of four drives) <b>AG328B</b> MSL LTO-3 Ultrium 960 4Gb FC Drive Upgrade Kit (maximum of four drives)	Supported <b>AJ041A</b> LTO-4 Ultrium 1840 SCSI Drive Upgrade Kit (maximum of four drives) <b>AJ042A</b> LTO-4 Ultrium 1840 4Gb FC Drive Upgrade Kit (maximum of four drives)	Supported* <b>X</b>

\*Note:

Mixed drive capability requires library partitioning (zoning) support by ISV backup application software, confirm if you backup software supports media partitioning

**HP StorageWorks Tape Automation  
MSL G3 Drive Interoperability Matrix**

Upgrade to drive	Ultrium 232	Ultrium 448	Ultrium 920	Ultrium 960	Ultrium 1840	Mixed Drives
Library	Ultra 160 SCSI	Ultra 160 SCSI	Ultra 320 SCSI or 3Gb SAS	Ultra 320 SCSI or Native Fibre Channel	Ultra 320 SCSI or Native Fibre Channel	Ultrium 448, 460, 920, 960 & 1840
<b>1/8 G2 AL</b>	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
<b>MSL2024</b>	Supported	Supported	Supported	Supported	Supported	Supported *
<b>MSL4048</b>	Supported	Supported	Supported	Supported	Supported	Supported *
<b>MSL8096</b>	Supported	Supported	Supported	Supported	Supported	Supported *

Drive SKU's can be re-deployed in each library platform where appropriate