HP Bar Code Labelled Media Guide

You may not see the difference between a precision engineered HP bar code label and one that your reseller prints on a desktop printer. But your tape library can!

The super-fast scanning equipment installed in tape libraries relies on high resolution, computer-generated bar codes to ensure the readability of the labels each and every time.
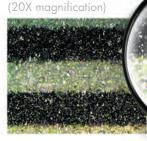
Simply put, if your automation device or vault bar code reader can't read the label, it can't find the tape. This could cause backup disruption or create delays when it comes to finding cartridges in your vault.

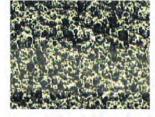All HP bar code labels undergo extreme testing to ensure maximum reliability and performance. Many factors, most not visible to the naked eye, can affect the quality and performance of a bar code label. We use advanced software, unique to HP's Tape Automation R&D group, to test our bar code labels, valuating their performance in demanding, split-second automation environments. If they work perfectly in our laboratories, they will work perfectly in your tape library or autoloader.

(20X magnification)

High quality engineered label from HP with sharp black & white differentiation.

(20X magnification)

Label from an alternative media supplier showing poor differentiation between black & white segments.

HP Custom Labelled Media

All HP Custom Labelled data cartridges can be ordered with a unique sequence for the bar code labels. As long as the sequence is allowed by the format, any sequence can be requested. For a comprehensive overview of labels and label formats, please refer to HP's white paper on automation bar code labels at **www.hptapemedia.com**.

- Protect your valuable budget. Unlike some competitors or reseller offerings, HP Custom Labelled media costs exactly the same as standard cartridges.

- Take care of cleaning cartridges. 5 free cleaning cartridge labels come with every box of 20 HP Custom Labelled data cartridges.

- Buy everything you need from one supplier. Media and labels no longer need to be purchased from different places.

HP Storage Media Guide

- Save time. Transparent polyboxes make it easy to scan HP pre-labelled cartridges without first removing them from the polybox.

- Use your resources more efficiently. IT staff don't have to spend hours peeling, sticking and attaching bar code labels to individual data cartridges. If an 800-slot tape library takes up to six hours to label by hand, imagine how much time and money you could save.

- Benefit from industry standards. All bar code labels from HP use industry-leading Tri-Optic technology and conform to Code 39 (sometimes referred to as Code 3-of-9) symbology, a widely used international standard.

Ordering HP Custom Labelled Media in Europe, Middle East and Africa

This section only applies to customers purchasing within Europe, Middle East and Africa (EMEA). Non-EMEA customers should consult their nearest authorised HP reseller or visit www.hp.com/go/ storagemedia for more information.

HP Custom Labelled flavours of HP LTO Ultrium, DLT and SDLT media can be ordered in convenient, 20-cartridge packs with a minimum order quantity of 100 cartridges.

Precise ordering is vital to make sure you get the correct labels, in the correct sequence. And with our online label specification process it couldn't be simpler.

Just go to HP's bar code label specification web site at www.hptapemedia.com and follow these 5 simple steps:

1. Select the HP Custom Labelled Media tab.

2. Follow the instructions in the 'How to Specify Labels' link. The web site maintains a history of your previous label requests, allowing you to continue previous sequences from where you left off. You may, of course, create completely different sequences with each new visit.

3. Receive a unique Label Order ID number (LOID) by email.

4. Place your order with your reseller, making sure that you give them the LOID with your product type and quantity information. This information is vital because it enables us to track the production and delivery of your tapes, ensuring that you receive the correct order from our factory. Without the LOID, we cannot process your order so please make sure your reseller is aware of this important detail!

5. Await delivery of your HP Custom Labelled media. Because this product is built to order, the lead time is typically around 10-15 working days.

Label formats

HP recommends the following formats for each type of technology:

Drive Type	Data Cartridge	Cleaning Cartridge	Diagnostic Cartridge
DLT1 and VS80	nnnnnB	CLNnnnC or CLNnnn	DG nnnC
DLT (type IV media)	nnnnnn	CLNnnnS	DG nnnS
SDLT-1	nnnnnnS	CLNnnnS	DG nnnS
LTO Gen 1	nnnnnnL1	CLNvnnCU or CLNvnnL1*	DV vnnL1*
LTO Gen 2	nnnnnnL2	CLNvnnCU or CLNvnnL2*	DV vnn L2*
LTO Gen 3 RW	nnnnnnL3	CLNvnnCU or CLNvnnL3*	DV vnn L3*
LTO Gen 3 WORM	nnnnnnLT	CLNvnnCU or CLNvnnL3*	DV vnn L3*

* For ESL libraries the LTO cleaning cartridges must be of the form CLNvnnL1 or CLNvnnL2. For HP Surestore 10/180 and 20/700 libraries the LTO cleaning cartridges must be of the form CLNvnnCU. Gen 1, Gen 2 and Gen 3 LTO products use the same cleaning cartridge. No diagnostic cartridges currently exist for LTO.

Guaranteed to work perfectly, every time.

HP automation barcode labels are applied professionally in a clean and controlled environment to prevent backup disruptions. All will have been specifically tested and approved for trouble-free use on HP StorageWorks tape autoloaders and libraries. Guaranteed not to peel, distort, reflect or fade.

HP Custom Labelled Data Cartridges

- Available for HP LTO Ultrium, DLT and Super DLTtape media in convenient 20-cartridge packs.

- Minimum order quantity - 100 cartridges.

- Five FREE cleaning cartridge labels with every pack.

- Specify your own label sequences using the online specification tool at www.hptapemedia.com.

- Delivered in 10–15 working days.

- HP Custom Labelled Data Cartridges are the same price as standard HP data cartridges.

HP Non-Custom Labelled Data Cartridges

- Available 'off-the-shelf' for HP LTO Ultrium 1,2, 3 and 4 and HP Super DLTtape II media in boxes of 20

- Minimum order quantity - 20.

- Five FREE cleaning cartridge labels with every box.

- Barcode sequences pre-determined by HP.

- Each box comes in a consecutive sequence eg. 1 to 20.

- Multiple boxes purchased at the same time will probably not have connected label sequences.

- Delivered in 2-3 days.

- HP LTO Ultrium Non-Custom Labelled Data Cartridges are the same price as standard HP data cartridges.

HP Non Custom Labelled Media

Non-Custom HP labelled media can be ordered 'off the shelf' and delivered within a couple of days from any HP reseller.

HP Non-Custom labelled media is supplied with a high quality, unique barcode label attached to each data cartridge and is ideal if you don't need to define an exact barcode sequence for each label.

- HP Non-Custom Labelled media are available for HP LTO Ultrium and HP Super DLTtape II and shipped in boxes of 20 data cartridges.

- Each box of 20 labelled cartridges is 'in sequence' (eg. From 1 to 20) for ease of use. Different boxes purchased at the same time may not be consecutive (eg. 1 to 20, 80 to 100).

- Each individual barcode sequence is predetermined by HP and is guaranteed to be unique (no duplicate codes).

- Tested to extremes: both cartridge and label are exhaustively tested for maximum reliability in demanding automation environments.

- HP Non-Custom Labelled data cartridges are the same price as standard HP LTO Ultrium cartridges.

- Each box of 20 HP Non-Custom Labelled data cartridges contains 5 FREE cleaning cartridge labels.

HP Automation Barcode Labels Packs

- Want to attach your own labels? Pre-sequenced packs of HP Automation Barcode Labels will help to file tapes in perfect order. Just take extra special care to position them accurately.

- Available for all LTO Ultrium, SDLT, DLT and AIT media in packs of 100 with 10 cleaning cartridge labels.

- No two packs of labels are ever the same and all the labels in the pack are consecutive.

- The sequence will only repeat when all possible combinations are exhausted. For Ultrium, we would have to produce more than five million labels before beginning again at AA0001L1. So you can be sure of a truly unique label sequence for your cartridges.

Ordering Information

Product	Must be ordered from HP in multiples of	Compressed capacity*	Part number
HP Ultrium 1 200 GB Custom labelled cartridge	5**	200 GB	HP C7971AL
HP Ultrium 2 400 GB Custom labelled cartridge	5**	400 GB	HP C7972AL
HP Ultrium 3 800 GB RW Custom Labelled data cartridge	5**	800 GB	HP C7973AL
HP Ultrium 3 800 GB WORM Custom Labelled data cartridge	5**	800 GB	HP C7973WL
HP DLTtape IV Custom Labelled data cartridge	5**	40 GB/80 GB	HP C5141FL
HP Super DLTtape Custom Labelled data cartridge	5**	220 GB/320 GB	HP C7980AL
HP Ultrium 1 200 GB Non-Custom Labelled data cartridge[†]	1	200 GB	HP C7971AN
HP Ultrium 2 400 GB Non-Custom Labelled data cartridge[†]	1	400 GB	HP C7972AN
HP Ultrium 3 800 GB Non-Custom Labelled data cartridge[†]	1	800 GB	HP C7973AN
HP Ultrium 1 automation bar code labels	1	n/a	HP Q2001A
HP Ultrium 2 automation bar code labels	1	n/a	HP Q2002A
HP Ultrium 3 RW automation bar code labels	1	n/a	HP Q2007A
HP Ultrium 3 WORM automation bar code labels	1	n/a	HP Q2008A
HP DLTtape IV automation bar code labels	1	n/a	HP Q2004A
HP Super DLTtape automation bar code labels	1	n/a	HP Q2003A
HP Super DLTtape II automation bar code labels	1	n/a	HP Q2006A
HP AIT automation bar code labels	1	n/a	HP Q2005A

** Minimum order quantity 5 units (5 x 20 = 100 cartridges) †(box of 20)