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Book Descriptions:

Dell Pv-132T Manual

Microsoft and Windows are registered trademarks and Windows Server is a trademark of Microsoft Corporation. UNIX is a registered trademark of The Open Group in the United States and other countries. You may find documents other than just Modules We keep our list of direct Dell PowerVault 132T LTO driver and firmware links up to date so they are easy to find when you need them. Dell powervault 132t manual dell powervault lto3 060 manual table of contents shop for the latest Free Same Day Shipping on Dell PowerVault Server Motherboards, LCD screens, inverters, Dell PowerVault 132T Remote Management Module WG165. View and Download Dell PowerVault 132T upgrade manual online. Upgrading to LTO2 Tape Library Modules. PowerVault 132T Storage pdf manual download. Dell PowerVault DLT, VS, and SDLT Media Handbook Version 2.0. PowerVault 132T LTO Storage pdf manual download. Find articles, manuals and more to help support your product. Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab The item may have some signs of cosmetic wear, but is fully operational and functions as intended. This item may be a floor model or an item that has been returned to the seller after a period of use. See the seller's listing for full details and description of any imperfections. <http://x-column.com/medien/insinkerator-essential-manual.xml>

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slot.<http://textmakareknutsson.se/upload/image/insinkerator-evolution-spacesaver-manual.xml>

Partitioning Partitioning allows your single library to be logically partitioned so it will appear to a host as if it were two independent physical libraries. Each logical library partition can be independently controlled as though it were two different libraries. See Interior Components for more information. The IE slot may also be configured by the user to act as a data storage slot. Magazines Removable cartridge magazines allow for the easy insertion and removal of tape cartridges. System Integrity The cartridge storage slots, drives, and robotic system are protected by a door that is lockable by key. Your library can also be configured for password access. Cartridge Inventory Whenever you power up your library, it will perform a physical inventory of slots. Barcode Scanner The barcode scanner reads barcode labels and presents label IDs to the LCD and the host without losing storage capacity. Manual Cartridge Use Individual cartridges can easily be transported to the library by manually opening the IE door and inserting the cartridge into the IE slot. The Operator Panel is then used to load the cartridge into another slot. Reverse Cartridge Protection The magazine and back storage slots employ a design that prevents the cartridges from being inserted incorrectly. Builtin Diagnostics Your library includes diagnostic firmware that tells you when drive head cleaning is required, reports diagnostic results, and drive operating status. Your library also includes realtime sensors monitoring of data locations and several types of diagnostic tests. AutoClean AutoClean enables the library to automatically clean the drives when cleaning is required. Error Diagnosis Your library includes an Error Log that is accessible from the Operator Panel. Multiple Control Paths This feature allows your library to be controlled by more than one host system. Please do not navigate to another page during this process. Thank you for your patience.

CAUTION A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed. All rights reserved. Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. Other trademarks and trade names may be used in this publication to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own. March 2011 Rev. A03 Drives and Media Table 1 through Table 4 list the basic characteristics of Dell PowerVault LTO tape drives. NOTE All Dell LTO cleaning media are black in color. NOTE All Ultrium x tapes may not be of the same color. To determine the correct media for your tape drive, see the Ultrium label on the tape. NOTE PowerVault LTO tape drives support media from all certified media vendors. However, it is recommended that you use Dell branded media in all PowerVault LTO drives. NOTE The WORM label is present on the media regardless of media vendor. Table 6. Media Color Schemes for PowerVault LTO Tapes Media Type Ultrium1 Media Ultrium 2 Media Ultrium3 Media Ultrium4 Media Ultrium5 Media LTO 3 WORM Media LTO 4 WORM Media LTO5 WORM Media Color Scheme Black Purple Blue Gray Green Red BlueGray on top and gray below. Green on top and gray below. Red on top and gray below Label Ultrium 1 Ultrium 2 Ultrium 3 Ultrium 4 Ultrium 5 For LTO tape cartridges, this information is stored in a small chip within the tape and is referred to as the Cartridge Memory CM. CM is a nonvolatile memory that responds through a passive radio frequency interface. However, the user data can still be recovered. To recover the data, set the write protect tab on the cartridge and then load the cartridge into an Ultrium drive. The drive stores enough information on tape to be able to recognize the tape. However, the data directory is lost.

<http://www.drupalitalia.org/node/75733>

Hence, the drive can only search from the beginning of tape BOT to end of tape EOT across all wraps to find the data. A Fast Search to the correct location is not possible. NOTE Recovery of data from a full tape could take up to 3 hours. This ensures optimal performance for migrating tape between different drive vendors. NOTE LTO technology is built on an open standard. Migrating media from one drive manufacturer to another is fully supported. This means once data is written to

a piece of WORM media, the data on the tape cannot be changed or overwritten. WORM media can be appended to if data is already present on the tape. The media also stores unique identifiers which allow the drive to determine whether or not the media has been tampered with. WORM media offers a method of data retention for compliance laws such as the SarbanesOxley Act of 2002. Specific WORM media barcode labels end in LT. Cleaning Media NOTE LTO drives in general do not require frequent cleaning. Label Designations on LTO Cleaning Media For the last several years, LTO drives have been using UCC universal cleaning cartridges as cleaning tapes. Prior to the universal or for use with all designation of cleaning media, vendor specific cleaning media was used. This document provides information on only universal or for use with all cleaning media. If a tape is not labeled universal or for use with all, then it is recommended that you purchase a tape with that designation. NOTE LTO1, 2, 3, 4, and 5 all use the same cleaning media although it may not be labeled as such depending on the vintage of the tape. Part Number 3105084 Drive Type No.

<http://icmonteodorisio.com/images/Craftsman-Multimeter-82022-Manual.pdf>

Status light on solid amber Dell PowerVault 110T LTO2L Tandberg 10050 Cleaning LED amber ON Dell PowerVault 110T LTO2 IBM Not Supported 50 C on seven segment display Dell PowerVault 110T LTO3 IBM See Table 850 C on seven segment display Dell PowerVault 110T LTO3060 IBM See Table 850 Cleaning LED amber ON Dell PowerVault 110T LTO3080 IBM See Table 850 C on seven segment display Dell PowerVault 110T LTO4 IBM See Table 850 C on seven segment display The approximate amount of full file passes worth of data that is processed when you stream data with low space, locate commands, and standard number of rewinds. TB equiv. The approximate data processed in TB if streaming data with low space and locate commands and standard number of rewinds. It refers to the capacity to clean. MMH Short Media Motion Hours if the drive operates at the fastest speed with equivalent generation media for the entire operational period. MMH Long Media Motion Hours if the drive operates at the slowest speed with equivalent generation media for the entire operational period. Drive Type No. of tape Media Motion hours before cleaning light illuminates No. NOTE Most backup applications support Tape Alerts. If the tape drive requests cleaning, the backup software notifies you of the need to clean. NOTE Dell Online PowerEdge Diagnostics does not support PowerVault 110T LTO tape drives. When tape is completely removed, all light indicators turn off. When tape is completely removed, all light indicators turn off. When tape is completely removed, all light indicators turn off. When tape is completely removed, all light indicators turn off. When tape is completely removed, all light indicators turn off. Table 9. Characteristics of Expired LTO Cleaning Tape in Various Drives continued Drive Type Cleaning with a Good Tape Cleaning with an Expired Tape Different drives react differently when damaged media is inserted.

<https://hund-gerecht.com/images/Craftsman-Multimeter-81437-Manual.pdf>

Some may eject the tape, while others may be stuck permanently with the drive and require the drive to be returned. Most LTO drives have the capability to reset the drive in the event of a stuck tape or other nonresponsive drive issues. Table 10 describes how to reset your PowerVault LTO tape drive. NOTE A drive reset may or may not help remove a stuck tape. NOTE Dell PowerEdge Diagnostics includes a Media Eject test that can be run to force eject a tape. Table 10. Resetting Your PowerVault 110T LTO Tape Drive Drive Type Device Reset Procedure Dell PowerVault 110T LTO Insert a paper clip to press the Reset button on the front panel of the drive. Dell PowerVault 110T LTO1 1 Press and hold the Eject button for more than 5 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T LTO2L Certance Press and hold the Eject button for more than 5 seconds. The tape should eject within 40 seconds. Dell PowerVault 110T LTO2L Tandberg 1 Press and hold the Eject button for 6 seconds. The drive enters Service mode and all the LEDs flash slowly. 2 Press Eject twice, the Activity LED flashes fast, then doubleclick the Eject button. Dell PowerVault 110T LTO2 1 Press and hold the Eject button for

more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO3 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO3060 IBM 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO3060 Tandberg 1 Press and hold the Eject button for six seconds. The drive enters service mode and all the LEDs flash slowly. 2 Press Eject twice. The Activity LED flashes fast. 3 Doubleclick the Eject button.

Dell PowerVault 110T L TO3080 IBM 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO4120 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO4120HH 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Dell PowerVault 110T L TO5140 1 Press and hold the Eject button for more than 10 seconds. 2 Release the Eject button. 3 Press Eject again to eject tape. Table 10. Resetting Your PowerVault 110T L TO Tape Drive continued Drive Type Device Reset Procedure This destroys prerecorded servo information and renders the cartridge unusable. The erase feature in the backup software is the preferred method for erasing an LTO tape. To prevent erasing a tape, slide the writeprotect switch to the right. NOTE Writeprotection does not prevent a cartridge from being erased by bulk erasure or degaussing. Figure 11. Setting the WriteProtect Switch 1 writeprotect switch The upper and lower parts of the case are held together with screws; separating them destroys the usefulness of the cartridge. While the door is open, check that the leader pin is properly seated. If the cartridge has been dropped, it is likely that the pin is dislodged inside the cartridge. It is recommended that you open the door and check if the pin is properly seated before each use. If there are gaps in the seam, the leader pin may be dislodged. Discard the mishandled cartridge. Handling the tape can damage the tape surface or edges, which may interfere with the read or write reliability. Degaussing renders the tape unusable. Figure 14 displays a dropped tape which resulted in a dislodged leader pin. This cartridge if inserted into a drive could result in a stuck tape.

Other damage could result in the leader pin falling out of the cartridge or getting dropped inside the tape housing. NOTE Newer versions of LTO tapes have plasticwelded seams to prevent splitting; however, the tapes must be checked for leader pins that may have dropped inside the cassette housing. Figure 15. Split Seam on LTO Tape. Robotic Library for Device DELL 1 Warning Library security has been compromised. Robotic Library for Device DELL 1 Critical The library has detected a inconsistency in its inventory. 1. Redo the library inventory to correct inconsistency. 2. Restart the operation Check the applications users manual or the hardware users manual for specific instructions on redoing the library inventory. Robotic Library for Device DELL 1 Ive got the current driver. I pop the tape in the cassette holder and close the cover. Ive ran a scan and inventory prior, Ive made sure the front panel is on the main menu but STILL i receive the msg. Am I missing something else. Can anyone tell me how to clear these msgs. This means that the drive can be protected from use, for example so that only certain users are able to access it. This can cause issues when the Backup Exec Administrator is not a specified user. In order to resolve this issue the hardware manufacturer should be contacted to explain how to remove the secure mode or how to configure it correctly. It Shows up under the DPM console except that it indicates 24 empty slots instead of the 10 that the library has. but I can not get it to inventory the Library. As a test I started RSM and was able to inventory the tapes with RSM. I disabled the RSM service and ran the DPM DriveMappingTool. All jobs for Tape Library Dell PowerVault 132T Tape Library will fail if the connection is not established. Resolution To dismiss the alert, click below Inactivate alert If I had a connection or hardware issue with the Library it should fail under RSM as well. Please Help!

Thanx frank It has 2 caddies with 7 slots each, then 10 internal slots which to be fair i only ever use

to hold the cleaning tape. The other ones are physically there you just cant use them. Our unit was ordered with just one drive as well. Post by Alex Britton Are you sure its a PV132T. It has 2 caddies with 7 slots each, then 10 internal slots which to be fair i only ever use to hold the cleaning tape. The newest drivers I can find on the Dell site are dated July 26 2005. This is Version A05. The PV132T.SYS is version 6.0.0.0 The dtapeW32.sys is version 6.6.83 Thanx Frank Post by Alex Britton Are you sure its a PV132T. It has 2 caddies with 7 slots each, then 10 internal slots which to be fair i only ever use to hold the cleaning tape. Frank Post by Frank Smith BAE Systems I can not get DPM to use this library. It Shows up under the DPM console except that it indicates 24 empty slots instead of the 10 that the library has. but I can not get it to inventory the Library. As a test I started RSM and was able to inventory the tapes with RSM. I disabled the RSM service and ran the DPMDriveMappingTool. All jobs for Tape Library Dell PowerVault 132T Tape Library will fail if the connection is not established. Resolution To dismiss the alert, click below Inactivate alert If I had a connection or hardware issue with the Library it should fail under RSM as well. Please Help! Thanx frank. After some SAN issues, I dont seem to be able to use one of the drives.Oddly, the output of thisI can mount tapes onBrian O'Neill wroteAfter some SAN issues, I dont seem to be able to use one of the drives.Oddly, the output of thisThe HBA vendor had a script to set theThe way I test for it is unfortunately a cumbersome route but it works to delete my libraries, create manual devices and then manually load tapes into each of them note the tape labels then to mount the tape in drive1 and see what labels comes up do this for each of the drives. Then you can recreate your library accordingly.

If your path to the autochanger is the same you should be able to use JBEDIT 7.x to modify the paths to the drives. Apologies if I have gone on a tangent for something you already know. But this is where I have seen similar messages before. Regards,I remade theWas able to mount a tape once on the LinuxI cant win. Brian O'Neill wroteThe HBA vendor had a script to set theThe way I test for it is unfortunately a cumbersome route but itIf your path to the autochanger is the same you should be able to useApologies if I have gone on a tangent for something you already knowThere was new library andIt helped me with an intermittent problemRelease Title Tape Automation Dell PowerVault 132T Tape Library,After some SAN issues, I dont seem to be able to use one of the drives.Oddly, the output of this seemsYou can use this to load a tape then. This will show that NetWorkerWell, I reran the persistent bindings cript given to me by Qlogic. ItI remade theWas able to mount a tape once on the LinuxI cant win. Brian O'Neill wroteThe HBA vendor had a script to set theThe way I test for it is unfortunately a cumbersome route but itIf your path to the autochanger is the same you should be able to useApologies if I have gone on a tangent for something you already knowWhen the drive is empty, it. However, I could mount a tape via the DSNs, and see it as ONLINE. I wentWent back to the first tape, and it worked.One would work, one wouldnt I still suspect the drive even though it has been replaced. Mark Bradshaw BTOpenWorld wrote. Once you haveYou can use this to load a tape then. This will show that NetWorkerWell, I reran the persistent bindings cript given to me by Qlogic. ItI remade theWas able to mount a tape once on the LinuxThe HBA vendor had a script to set theThe way I test for it is unfortunately a cumbersome route but itIf your path to the autochanger is the same you should be able to useApologies if I have gone on a tangent for something you already know.

By continuing to browse or login to this website, you consent to the use of cookies. [Learn more.](#)A Dell PowerVault 132T tape library is attached to the server. Im sooooo close to having this thing running but it still has issues. I have done numerous searches on this forum and found many possible solutions but none have solved my problem. Here is what I have tried so far. I have added a line for the PowerVault in the scsitab file. I have set the PowerVault for PV132T emulation. I have disabled the changer and tape drives in Device Manager on the server. I can either autodetect the changer or install it manually in DataProtector and it looks like it is installed correctly. Any ideas Thanks for all your help. This forum is awesome. Jay Skelton Sorry this is so long. Check the SCSI card that this is

connected to and go into its BIOS. Ive had experience where the drive and robotic arm are on the same SCSI address be troublesome. They are ultimately seen as two different devices then. If this was the issue, youll notice the last number changing for one of the devices to something like scsi2.0.0.1 and the other being scsi2.0.0.0. It looks like everything is reading as 2.0.0.0 above. Id enable multiple LUNs and set the SCSI IDs different if possible. Hope this helps! I ran devbra again and the scsi addresses are updated. Thanks for your help. If you have any new ideas, please post them. JayOne less oddity to troubleshoot. I assume the firmware is the latest and greatest on that library. Although I never had the problem, another stated that things wouldnt fly at some older firmware level. Show me first that you can manually interact with the robotics. Try moving a tape into a drive move S1 D1 Try moving it back move D1 S1 Put a tape back into drive 1. Create a standalone tape drive for scsi2010C. Can you format it Move the tape to drive 2 using uma. Create a standalone drive for that scsi address. Can you scan it Thanks, Scott HP SupportCan Local System read the created file.

You can try the uma command in debug mode and after exiting following the stat command, go see if the debug file in OmniBack\tmp tells you anything useful post it up if you want. Otherwise, you have a device problem and I would direct you back to Dell to prove the library is functional. Only other thing that comes to mind is maybe the HBA driver is not the right one. Thanks, Scott HP SupportUse the library console, or some other tool, to manually move a tape into the drive. Wait about a minute. Hopefully this will work, and give you something of a workaround. Use our UMA utility from the command prompt to control the robot. CLIREference.pdf on an NT cell server, at least or the man pages, man uma, describes UMA. If it succeeds, you have yet another addition to the workaround. Look, by way, here in ITRC for recent postings regarding TIMING ob2devretry, and so forth, as they might be relevant. The file is almost human readable. The tape library was working with another software package so I know the hardware is good. I wanted to have a common interface for our backups so I installed DataProtector to replace Veritas Backup Exec. The Army called and Im TDY for a couple of weeks so I wont be able to try your suggestions right away. Ive added the servers backed up by this library to our existing DataProtector cell. This will have to do until I can get this thing going. Ill let you know my progress when I return. Jay Skelton Kansas Army National GuardIm really embarrassed to tell you what the problem was. Once I saved it without the.tmpl, everything started working properly. I do appreciate everyones help and I promise to do my homework more carefully before posting again. Jay SkeltonBy using this site, you accept the Terms of Use and Rules of Participation. As of September 1, 2017, the Material is now offered by Micro Focus, a separately owned and operated company.

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