

AV3600 and DPT Controller Info

This was written for use with the AV3600, it will also work on any system that has a DPT Controller as used by Data General. There is mention of using an Adaptec Controller. The AV3600 has an Adaptec included with all shipments. The AV3650 has an embedded 2940 that can be used. If your system does not have an Adaptec, you will need to get a 2940UW to run SCSI Select to verify the disks.

**CONFIGURATION FILES**

Under the "File" pull-down menu are four options:

1. Read System Configuration
2. Set System Configuration
3. Load Configuration File
4. Save Configuration File

**1. Read System Configuration**

Causes Storage Manager to re-read the current hardware configuration. Any changed which have been made and not saved will be lost. Whenever Storage Manager(DPTMGR) is loaded, Read System Configuration runs automatically.

**2. Set System Configuration**

Causes Storage Manager(DPTMGR) to save hardware any changes that have been made to the SCSI subsystem configuration. If any Array Groups have created or modified, setting the System Configuration will initiate an ARRAY BUILD.

**3. Load Configuration File**

Allows a saved configuration to be loaded into Storage Manager and applied to the current hardware.

**4. Save Configuration File**

Allows the current configuration or any changes to be saved to a file for later use.

**Drive Failure:**

If you lose a drive, run Storage Manager to ID the failed drive. Select options from the menu bar, quiet the scsi bus. Remove and replace the failed drive, click ok to enable scsi bus activity. Go to File on the menu bar, select Read System Configuration. When done click on the array and select rebuild. When the rebuild is complete(it will say OPTIMAL) exit Storage Manager. Either power off/on or press reset to rerun POST, there should be no errors. Bring up the operating system.

If the failed drive fails again, cable, hotswap chass or termination is suspect. Please check the above items. If ok, rebuild the array.

12:23

Panel 1  
Panel 0

If multiple drives fail; cable, hotswap chassis or drive are suspect. If previous items all check out replace the controller.

The disks can be verified by cabling to an Adaptec controller(2940UW) and run the disk verification. All drives should be ID with their correct vendor information. Any drives that fail to give their vendor name and the complete vendor model number should be moved. If the drive works in a different slot, we have a seating problem or hotswap problem.

Controller fails or is suspect as having a problem:  
Run Storage Manager(DPTMGR), check that the array/arrays are ok. There should be no flags for a failed or missing drive. If the controller has completely failed, this won't work.

Power down, replace the controller, there is no reason to save the present configuration. Power up, bring up Storage Manager, check the array, it should be intact, no flags, no failed drives. Exit the utility, power cycle or reset the system to re-run POST, bring up the operating system.

The Save Configuration File and Load Configuration File options can cause major problems.

The Save Configuration File option is useful if you have multiple systems. If you have multiple systems and the disks will be set up identical on all systems, then save the configuration.

The Save Configuration can then be used via Storage Manager:

Load Storage Manager

Select FILE from the menu bar

Select Load Configuration File

Select the file.

As soon as the configuration file is loaded into Storage Manager the ARRAY build will start.

This option is only useful if you have multiple systems, or you want to build/rebuild an array without going through all the steps.

#### CAUTION

Do not use Load Configuration File unless you want an array to be built or rebuilt.

Do not use Load Configuration File when the array is intact and there is data on the array. Loading in a saved Configuration File will cause DATA LOSS.