



May 2004

K-PAR Archiving Software

<http://www.k-par.com>

## Just Released - ARCHIMEDIA V4.3.1

Archimedia V4.3.1 introduces support for the new Sony PDD and Plasmon UDO technology. These new technologies increase Archimedia's archival capacity to a range of 23 to 30 Gigabytes per disc, at the same time sustaining a data transfer rate of 11 Megabytes/sec. This release also has added support for the new Plasmon Gx Enterprise Series libraries.

V4.3.1 has added new implementations for support to its Plasmon D-Series libraries, requiring even less user intervention. It also brings DOS FAT 16 read support for legacy media, improved non-English Windows OS support and better localization of character sets.

New devices supported:

- + ATG GIGADISC GL Library
- + Plasmon New Gx Series
- + Plasmon UDO Enabled Enterprise G Series
- + Plasmon UDO Drive
- + Sony PDD Drive

## ARCHIMEDIA V4.3.0

This version introduces support for Windows 2003 Server, incorporates a newer more advanced licensing system and a number of additional enhancements. Briefly, it brings UDF 2.01 and DOS FAT 32 read support for legacy media, the ability to prioritize the Archimedia ksmbd and xfsd services and a newly optimized algorithm for writing to the cache.

V4.3.0 also features the ability to set user and password authentication by allocating user and group permissions to specific file systems.

Archimedia is known for its support for legacy media. This includes read support for FAT 16 and FAT 32 on MO Optical media and ISO9660 on WORM media. Archimedia also supports CD-R/RW (UDF and ISO9660), DVD-R/RW (UDF/UDF-Bridge or UFS), MO (UDF, UDO, UFS or NTFS) and WORM (WFS).

New devices supported:

- + Pioneer A05 / A06 IDE
- + Plextor Premium IDE CD-RW drive

Complete release notes are available by e-mailing [support@k-par.com](mailto:support@k-par.com)

## NEWS

### **MagnaVault:**

K-PAR now offers support services for MagnaVault customers. MagnaVault, HyperROM and Magna customers can obtain a variety of services, including license key management and hourly / annual technical support programs. For more information, please visit <http://www.k-par/magnavault>. Note: K-Par is also looking for potential beta test site customers for our new compatible software line, Archion. If interested, please request a survey form from [us-support@k-par.com](mailto:us-support@k-par.com) or contact [us-sales@k-par.com](mailto:us-sales@k-par.com) for more information.

### **CeBIT 2004:**

K-PAR was a participant at Europe's Leading Technology Event, CeBIT in Hannover, Germany (March 18th to 24th, 2004). K-PAR partnered with Plasmon to introduce Archimedia's capabilities with the new UDO technology. K-PAR supports a wide range of optical media from CD/DVD to Write-Once/MO media and has now added UDO to its compliance list.

## TECHNICAL TIPS

**Tip 1:** Using Archimedia, you can optimize the writing process into the XFS (Archimedia's file system) and to the media using the following features. Please request for the specific bulletin from K-PAR support for details.

**Bulletin 04-01:** Increase the number of buffers allocated to the writing to CD/DVD media by modifying the registry setting for the CD/DVD driver.

**Bulletin 04-02 and 04-03:** Optimize K-PAR's SMB service by modifying the ksmbd options in the registry, and prioritizing Archimedia's xfsd and ksmbd services.

Increase the allocated memory to the XFS write process to speed up migration via the Setup Wizard as follows:

*Software Configuration -> check the option to "Optimize TCP/IP Settings for Archimedia"*

**Tip 2:** Technical issues can also be resolved quickly now by running the KPAR diagnostics tool via command line as follows:

```
C:\Program Files\k-par\bin>xfs_diag -a C:\temp
```

This tool generates a KPAR\_DIAG folder with all the relevant registry and event log information to help get your problem fixed right away.

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