

**News**

**K-PAR Releases Archimedia 4.3.5**

After several delays, K-PAR has officially released Archimedia 4.3.5 for Microsoft Windows. This version of Archimedia includes support for UDO2 and Blu-Ray technologies. It also includes several important fixes, plus operational and performance enhancements. Archimedia 4.3.5 is available at no cost to Archimedia customers running 4.3 with a current support plan. Blu-Ray and UDO2 support are included in 4.3.5 at no additional cost.

For further information, click on the following link: [http://www.k-par.com/news/current\\_news/nov\\_30\\_07.html](http://www.k-par.com/news/current_news/nov_30_07.html)  
Complete product release notes for 4.3.5 are available by emailing: [support@k-par.com](mailto:support@k-par.com).

**New Product: MagnaStor**

K-PAR is pleased to announce the introduction of its first magnetic disk software product, MagnaStor. MagnaStor is a simple to use, robust, transparent installable magnetic WORM file system. MagnaStor prevents users from deleting/altering files and detects tampering/corruption. MagnaStor is currently supported on Solaris platforms; Microsoft and Linux support is expected in late 2008. For additional information: <http://www.k-par.com/products/magnastor.html>

**OSTA CD Longevity Survey**

Optical Storage Technology Association (OSTA) has been very active in establishing an optical disc archive test standard. OSTA has worked with DVDA, [www.DVDA.org](http://www.dvda.org), to post a simple survey (it takes less than 3 minutes) to find out the experience of end users. If you were an early adopter of CD-R and have some older CD-Rs, please click on this link and complete the survey. It will add to the credibility of claims that optical discs are one of the best forms of archiving available. Here is the link: [http://www.dvda.org/component/option,com\\_wrapper/Itemid,420/](http://www.dvda.org/component/option,com_wrapper/Itemid,420/)

**Current Product Versions**

- Archimedia: 4.3.5
- Archion: 1.3.2
- DVDcreation: 3.1.0

Note: For information on current OEM product releases, please contact K-PAR technical support.

**Technical Tips**

**Tip 1: Tuning Archimedia Performance with Large Files.**

By default, Archimedia is configured to optimally handle small files. This can cause performance issues when the file sizes are greater than 512 KB. If your typical file sizes are larger, try adjusting two Archimedia XFS properties; `LOH / RDGLQJ DQG &DFKH %O`. Changing the default values can significantly improve performance of your optical library subsystem.

```
f Right-click on the cache in Archimedia Explorer and
  VHOHFW μ3URSHUWLHV¶
f &OLFN WKH μ)LOH /RDGLQJ¶ WDE
f &KDQJH WKH )LOH /RDGLQJ DOJRULW
  'HPDQG'
```

f Change the Cache Block Size to 8 MB

Note: There is no single ideal value for Cache Block Size. Rule of thumb: Initially set the Cache Block Size to the average file size, with a minimum of 128 KB. Increasing favours sequential access by a small number of clients. Decreasing favours random access by a large number of clients.

**Tip 2: 6ROYLQJ ³1RW (QRXJK )LOHW HPLHDW ) Issue**

If this message is encountered when manually flushing the cache, some changes can be made to the cache properties to force all files to be flushed.

```
f Right-click on the cache in Archimedia Explorer and
  VHOHFW μ3URSHUWLHV¶
f &OLFN WKH μR O ¶ WKDER QWU
f Change the File Age (age of the file), File Latency
  (time elapsed since file was last accessed), and
  Minimum Flush (size of all dirty files in cache) sliders
  to appropriate values so that a flush can be triggered.
```

Note: If you are using CD/DVD media and you set the Minimum Flush to a value lower than 700 MB or 4,488 MB respectively, this may result in some discs being written far below their full capacity.

If you have any questions, please contact K-PAR Technical Support.

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