

# EclipseSuite 2.0

## Release Notes

Refer to the [Frequently Asked Question](#) page for the latest information on EclipseSuite Software.

The following are the new fixes and enhancements since version 1.42 of EclipseSuite.

### 1.0 Software Installation

- 1.1 Upgrading to EclipseSuite 2.0
- 1.2 New Installation

### 2.0 New Features & Enhancements

- 2.1 Recordable DVD Output
- 2.2 CD-Text Enhancements
- 2.3 Windows 2000 and Windows XP Support
- 2.4 New Supported Peripherals
- 2.5 Additional Copy Protection Support
- 2.6 Enhanced Checksum Support for DVD Images
- 2.7 General Enhancements

### 3.0 Bug Fixes

### 4.0 New Rules & Exclusions

### 1.0 Software Installation

#### 1.1 Upgrading to EclipseSuite 2.0

EclipseSuite 2.0 software requires activation on your system dongle. If you are upgrading from a previous version, it is strongly suggested that you do not uninstall any previous version until EclipseSuite 2.0 has been activated and is fully operational. EclipseSuite 2.0 will automatically install itself in a new directory, keeping any existing version of EclipseSuite intact.

If you are downloading the software from Eclipse's FTP site, make sure that you download and read the file **Software Installation Instructions.pdf** also located in the same location as the EclipseSuite software.

#### 1.2 New Installation

If you are installing the EclipseSuite software for the first time (i.e. no other version of EclipseSuite software exists on your system), then the dongle you received along with the software should already be activated for EclipseSuite 2.0.

However, if you are evaluating the software, it may have been activated with limited trial counts. Refer to EclipseSuite User's Manual for complete installation instructions.

### 2.0 New Features & Enhancements

#### 2.1 Recordable DVD Output

ImageCopy is now able to copy DVD images to recordable DVD devices. Input source can be image file, DLT, or DVD. However, it is limited to single layer, non-CSS images. Media formats can be either DVD-R or DVD-RW. This has been certified to work on Windows NT and Windows 2000 platforms only and it requires one of the supported recordable DVD peripheral listed below in section 2.3.

## **2.2 CD-Text Enhancements**

### **2.2.1 CD-Text output to CD-R**

ImageCopy is now able to record CD-Text information to CD-R and CD-RW discs. It requires one of the supported peripherals for recording.

### **2.2.2 CD-Text output according to DDP 2.00**

Previous versions of the DDP specification did not include CD-Text support. EclipseSuite is now able to output and process images according to the revised DDP 2.00 standard. Use of this function can be enabled in the EclipseSuite Output Behaviors.

### **2.2.3 Improved handling of invalid CD-Text data**

Previous version of EclipseSuite tools would encounter an error when processing certain improperly encoded CD-Text information. EclipseSuite 2.0 has been improved to better handle this condition.

### **2.2.4 Additional CD Text rules**

CD-Text length invalid - only valid data were processed  
CD-Text - File specified in DDPMS missing

## **2.3 New Supported Peripherals**

Since the discontinuation of the Plextor 40Max CD-ROM drives, Eclipse has been searching for a suitable replacement. We've decided to use Plextor's PlexWriter 40/12/40 as the replacement. Below is a complete list of the new peripherals supported in EclipseSuite 2.0:

### **CD Readers:**

Plextor PlexWriter 12/10/32\*  
Plextor PlexWriter 40/12/40\*\*

### **CD Writers:**

Plextor PlexWriter 40/12/40\*\*  
Yamaha CRW-3200  
Yamaha CRW-F1

### **DVD-R Writers:**

Pioneer DVD-RW DVR-104 (A04), DVR-105 (A05)  
Sony DVD RW DRU-500, DRU-510\*\*

*\*Although support has been added so that this drive can also be used as a CD Reader, it has already been discontinued by Plextor. Firmware version 1.06 or later is also required.*

*\*\* The PlexWriter 40/12/40 requires firmware version 1.01 or later.*

## **2.4 Windows 2000 and Windows XP support**

The EclipseSuite applications can now be installed on machines using Microsoft's latest operating systems. EclipseSuite users can now take advantage of the increased stability and features that these platforms provide.

**Note** *Each of the supported operating systems (Windows NT 4.0, Windows 2000 and Windows XP) requires a specific version of the ASPI driver. During the EclipseSuite installation, the setup program will detect the operating system and prompt to upgrade the ASPI driver. It is recommended that you answer Yes to install the correct version of ASPI.*

## **2.5 Increased Copy Protection Support**

EclipseSuite 2.0 supports copy protection plug-in modules from HexaLock, Settec, CyberAsia, Wkit, ThinkBay, SmarteSolutions, and Macrovision. These modules are sold as options to the EclipseSuite software and must be purchased separately.

## **2.6 Enhanced Checksum Support for DVD Images**

Previous versions of EclipseSuite did not fully support checksum generation for all DVD images. Although a checksum file is created, only checksums for the DDPID and MAIN.DAT files were generated. Certain versions of DDP and CMF include additional files that were not previously supported by the Eclipse checksum file.

ImageCopy 2.0 still generates the same checksums for DVD images. However, it has been enhanced with a new behavior that allows you to generate checksums that are fully compatible with ALL DVD image files. This enhancement causes ImageCopy to generate a new version of the checksum file (version 1.00) that is no longer compatible with previous versions of EclipseSuite and ImageEncoder.

Due to the incompatibility with previous versions, ImageCopy 2.0 by default generates checksums compliant with the original checksum format. The new checksums can be enabled through the program's behaviors.

## **2.7 General Enhancements**

### **2.7.1 Added Behavior to limit analysis messages to 1000 per rule**

Images that have thousands of error can cause ImageCopy or the ImageEncoder to underrun and abort. Too many messages can also cause log files to be megabytes in size. This feature allows the user to control the number of instances a rule message can be triggered.

### **2.7.2 Added Behavior to Sync audio once only at beginning of a disc**

The EclipseSuite tools have traditionally synchronized at the beginning of each track. While this has been proven to be successful in most cases, we

have seen problems with media where tracks that start with long repeating patterns. Repeating patterns are difficult to sync on and sometimes causes errors in the EclipseSuite applications. In EclipseSuite v2.0, we've added the option so the user can choose whether the software should sync at each track (default) or whether it should only sync at the beginning of the disc.

### **2.7.3 Direct entry of file locations in Media Selection Tab**

When selecting an image folder through the Media Selection tab, the EclipseSuite applications scanned all image folders and subfolders in order to determine which contained images and which did not. While this made it easy for the operator to identify which folders contained images, it also caused a delay when the EclipseSuite applications were scanning the folders. This delay could be longer when being performed over a network. This feature allows the user to manually type the location of the image without scanning.

### **2.7.4 CSS Information tab is now displayed on all DVD-Video and DVD-Audio images**

The CSS information includes a complete list of all the files in DVD-Video and DVD-Audio images. This has proven to be valuable in the troubleshooting process. Previous versions of the EclipseSuite software only displayed this information if a CSS version of the software was being used. In version 2.0, the files will be listed regardless of whether you are using a CSS or non-CSS version of the software.

### **2.7.5 New Verify tab in Behaviors:**

Allows verify after copy behavior to be set for All devices or only Non-Tape devices.

### **2.7.6 EclipseSuite now uses a centralized key file strategy**

EclipseSuite 2.0 now allows the location of the key files to be specified by the user. Previous versions of EclipseSuite required that the dongle key file be stored in the same directory as the executable. In cases where multiple directories of Eclipse software were present on a system, it was possible to create an ECLIPSE.KEY file that was improperly updated.

## **3.0 Bug Fixes**

### **3.1 Fixed errors reported on Sony authored Jacket Pictures**

The formatting of jacket picture files created by Sony authoring systems would cause previous versions of EclipseSuite to report errors. EclipseSuite 2.0 now properly handles these types of files.

### **3.2 The exclusion rule Mixed Mode CD will not be triggered if the lead-out track changes mode.**

Previous versions of EclipseSuite incorrectly triggered the "Mixed Mode CD" rule when the Lead-out track was recorded in a different mode than the last track.

This is now fixed so that the rule is triggered only when there is a mode change between tracks in the program area.

### **3.3 DVD Book type A is recognized as DVD+R and not as invalid**

Previous versions of EclipseSuite did not recognize DVD+R media (i.e. Book Type 'A'). Support for this type of media has been added. In addition, all recordable fields in the Control Data will be reset to reflect Read-Only properties when the image is transferred using ImageCopy.

### **3.4 Fixed problem when handling images with long pause**

If the initial pause of a CD was larger than 65536 sectors, it would cause the EclipseSuite programs to take hours during the pre-scanning of the image and eventually abort. This has been corrected.

## **4.0 New Rules & Exclusions**

In order to support some of the new features and enhancements, Eclipse has added a new set of rules and exclusions in EclipseSuite 2.0. For detailed information on any of the rules, please refer to the EclipseSuite User's Manual.

1000 msg limit reached - treating as ignored  
Alpha-DISC Protection Dongle counts have expired  
Cactus Data Shield Dongle counts have expired  
Cannot analyze UDF file structure  
CD-Text - File specified in DDPMS missing  
CD-Text length invalid - only valid data were processed  
Copy protection verify failure  
CopyLok Dongle counts have expired  
CyberAsia CA-Protect Dongle counts have expired  
DBB Protected disc  
DBB Protection Dongle counts have expired  
DBB Protection Found  
DBB Protection found, but dongle is inactive  
Dongle not enabled for plug-in  
DVD padding not all binary zeros  
DVD+R  
DVD+RW  
DVD-RW  
Error when reading CD-Text in lead-in  
Failed to run diagnostic test on wave device  
HexaLock Dongle counts have expired  
ISO9660 and DDP data stream length disagree  
ISO9660 and HFS hybrid  
ISO9660 volume length less than user data length  
LaserLock Dongle counts have expired  
LaserLock found but dongle not activated  
LaserLock master  
No DDP on tape  
Plug-in 1 Dongle counts have expired  
Plug-in 2 Dongle counts have expired  
Plug-in 3 Dongle counts have expired  
Script copy protection entry not applied  
SmarteSolutions Protection Dongle counts have expired

Sony SecuROM Dongle counts have expired  
Start location mismatch  
ThinkBay SecuMedia Dongle counts have expired  
Transition area contains data  
ISO9660 and DDP data stream length disagree  
ISO9660 and HFS hybrid  
ISO9660 volume length less than user data length  
Inconsistency between UDF Main and Reserve Volume Descriptor Sequence  
Invalid Source Storage Mode for CSS encryption  
M2F1 contains all zeroes (Note)  
Macrovision dongle counts have expired  
More than one In-Process Plug-In type was found  
SSCRST incompatible with DDP/CMF level  
SafeAudio dongle counts have expired  
SafeDisc dongle counts have expired  
Source Identification code (SID) detected  
UDF Volume Descriptor error  
UDF: File/Dir permissions incompatible with read-only media  
UDF: Inconsistency in 'Logical Blocks Recorded' in ICB  
UDF: Inconsistency in Allocation descriptors in ICB  
UDF: Partition Descriptor has invalid Access Type for Read-Only media