

Black Ice Newsletter

Inside this issue:

New Bates Numbering for Black Ice Printer Drivers	1
Major Annotation SDK Enhancements/Features	1
New Printer Driver Features :	3
Printer Driver Tips & Tricks: Form Reconstruction	3



MAINPINE

Save \$300 on Mainpine's RockForce Quatro+ multi-port modems: V.34 Fax, Voice, and more.

Visit www.mainpine.com/promo/blackice.html for details.

BLACK ICE NEWSLETTER is published by Black Ice Software, Inc. The contents of this newsletter in its entirety are Copyright © 2004 by Black Ice Software, Inc. 292 Route 101, Salzburg Square, Amherst, NH 03031, USA. Black Ice Software, Inc. does hereby give permission to reproduce material contained in this newsletter, provided credit is given to the source, and a copy of the publication that the material appears in is sent to Black Ice Software at the above address.
 Phone: (603) 673-1019
 Fax: (603) 672-4112
 E-mail: sales@blackice.com
www.blackice.com
[ftp.blackice.com](ftp://ftp.blackice.com)

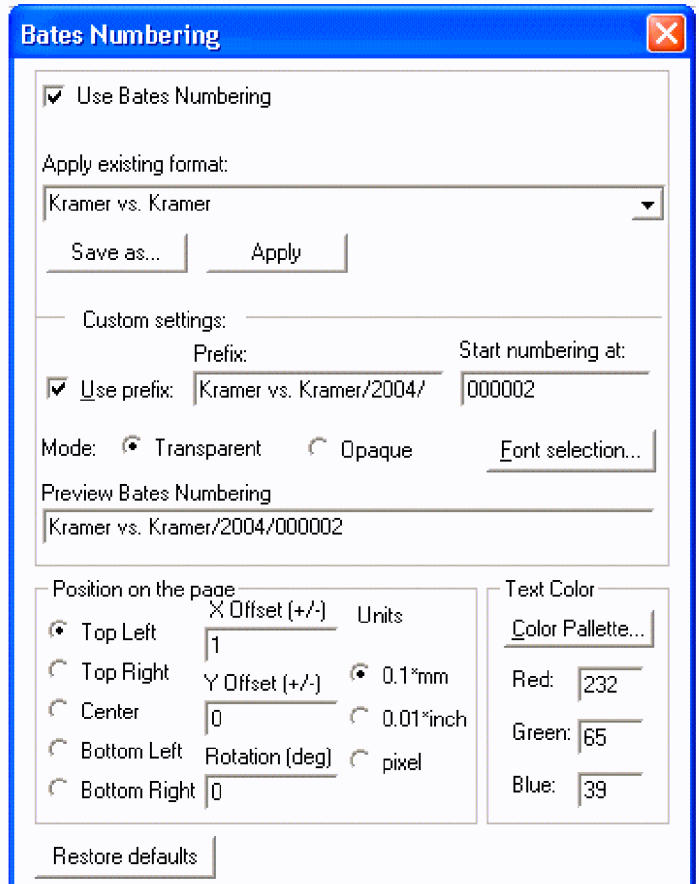
NEW - Bates Numbering for Black Ice Printer Drivers

Version 8.XX of the Black Ice printer drivers are now capable of automatically applying Bates Numbering to all printed documents. The Bates Numbers will be printed on each page at the specified position, using the selected font and color.

Bates numbering is a unified way to refer to and track documents and pages by number rather than name. Bates number is normally a series of letters followed by sequential numbers.

The term "Bates Number" comes from the Bates Manufacturing Co. which was incorporated on September 13, 1890 in New York State. The Bates

(Continued on page 3)



Major Annotation SDK Enhancements/Features

New Undo Feature for Annotations:

Black Ice Software has added a built in, dynamic undo feature for the Annotation SDK/ActiveX. Developers can now utilize

the new undo feature to track annotation changes to an image file and can revert the annotations to previous states. Developers can control the number and level of undos avail-

able up to a maximum of 16 levels of undo. Developers can also retrieve the number of currently stored undos and the number of available levels remaining.

(Continued on page 2)

Subscription Service available for Printer Drivers, call for details.
 Get your subscription to receive the latest technologies and upgrades!

(Annotation SDK - Continued from page 1)

Copy, Cut and Paste Annotations:

Annotation objects can now be copied or cut from a file to the Windows Clipboard and can be pasted anywhere, whether it is a new position on the same image file, a new page in that image file, or a completely different file.

Rotate Annotation objects:

In addition to being able to rotate an image file using the Black Ice imaging toolkits, developers now have the option of rotating specific annotations, even text and rubber stamps by 90, 180 or 270 degrees, while maintaining the original orientation of the image file itself. Objects such as text and notes can now be added which run vertically across an image by rotating a horizontal image by 90 or 270 degrees.

Specify Annotation Note text color:

The color of the text displayed in the NOTE annotation object can now be changed. Prior to the current Annotation SDK/ActiveX release, the text of the NOTE object could not be

specified, and was black text only. Now, developers have complete control over the color of the NOTE annotation object's text.

Vertical Text Alignment:

The Annotation SDK/ActiveX has always allowed developers to specify the horizontal alignment of text in both NOTE and TEXT annotation objects, such as left, right, or center aligned. Now, in addition to allowing developers to control horizontal alignment of the NOTE and TEXT, they can also specify how the text will be aligned vertically within the annotation object.

Design Mode/ Run Mode

Maybe the most important new feature is that now annotations can be accessed in two different modes: Run Mode or Design Mode. Design Mode should be used to place, delete, move or change annotation on an image, or change different properties of the annotation objects. In Run Mode, the annotation cannot be edited, moved or deleted from the image, but Run Mode allows annotation objects to be used as hyperlinks.

Annotations as Hyperlink:

Any annotation object can be used as a hyperlink starting with version 10.10 of the Annotation SDK/ActiveX. The hyperlink functionality is available to the user in Run Mode, while the value of the hyperlink can be specified in Edit Mode. When a user clicks on an annotation that has a hyperlink property, the Annotation SDK will launch the default browser to open the page.

Send Message/Custom message:

Another powerful feature implemented in the Annotation SDK/ActiveX is the option to use an annotation object to send a message when the user clicks on it. The client application, or any other application on the system can capture the message and can perform a custom action based on the message sent. For example, this feature could be used to notify a second application that the user has clicked on the xy note object.

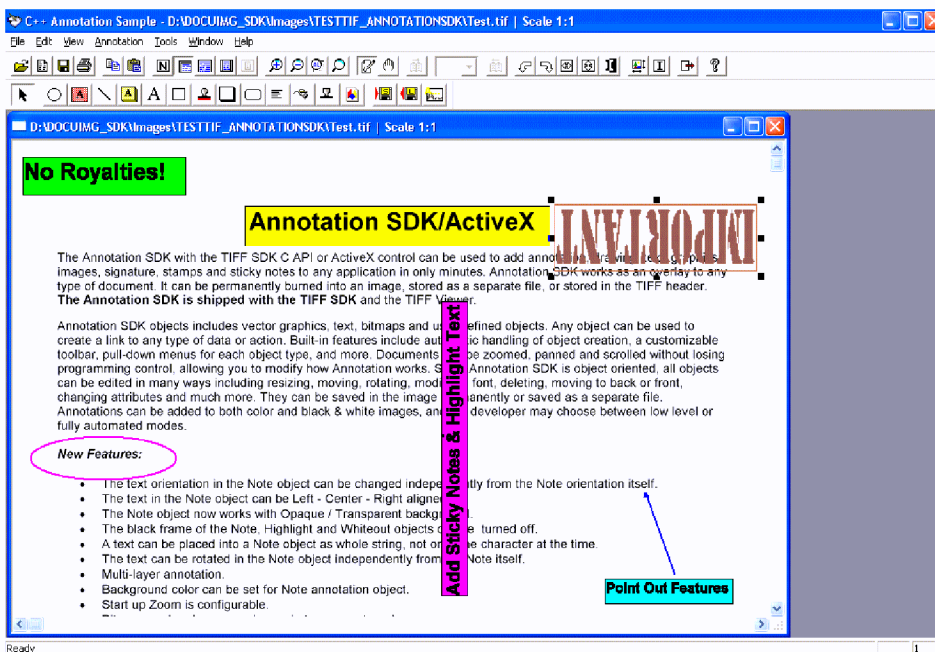
A custom message with a parameter can also be specified.

Launch an application:

Based on the same concept as the hyperlink and send message features, the start application feature allows developers to specify an application to be started when the user click on an annotation.

Change object properties:

The properties of all available annotation objects can be changed using the object property dialogs, opened by right clicking on the object with the mouse, and selecting the properties option, allowing annotation objects to be changed from one type to another.



(Bates Numbering... - Continued from page 1)

Manufacturing Co. manufactured and sold automatic hand-held numbering machines.

The Bates Numbering is mostly used by law firms, to aid in the referencing of documents.

The Bates Numbering provided by Black Ice Software is composed of two components: prefix and number. The prefix can be any string including letters and numbers, such as a case number, client name, etc. The second part of the Bates Number, the actual number, will be incremented for each printed page. The user can specify a starting number that will be incremented by the driver automatically for each printed page.

More than one Bates Number format could be necessary to be used on different documents (for example different cases may require different starting numbers, prefixes, etc.). The Black Ice printer driver provides the user with a list of existing (previously saved) formats. The user

simply selects the required format from a drop-down list and the document is ready to be printed.

New printer driver features:

Change the name of the Bi_group.ini file

In the latest version of the Black Ice printer drivers the name of the Bi_group.ini file can be changed. In order to change the name of the bi_group.ini file, enter the following lines into the configuration INI file of the printer driver (BiCIniNT.ini for the color driver):

```
[BiGroup.ini]
INI File=NewBiGroup.ini
```

Set the Add Space value

Set the Add Space value to 1 in order to instruct the driver to put a space after each text command into the text file. This is used when printing from applications such as Excel, to separate the contents of the cells in the text file.

Specifying a value of 0 will not add an extra space to the text file. The default value is 1.

```
[Text Output Settings]
Add Space=0
```

Environment Variable Parsing

The Black Ice printer drivers support the use of environment variables for use in specifying the output directory for the image files created by the driver, which is especially useful in terminal server environments. Now, the environment variable can be used to access subdirectories of the environment variable. For example, if an environment variable such as <<TEMP>> is used to specify user specific output directories, application developers can now access folders within the directory specified in the <<TEMP>> directory using the following method:

```
<<TEMP>>\Folder Name
```

Using this new feature, developers can create directories specific to their application within a predefined environment variable, and they can be sure of the contents of that folder since it is used by their application alone.

Printer Driver Tips & Tricks: Form Reconstruction

All of the Black Ice printer drivers are capable of extracting text from any printed documents. The text is saved by the driver into a separate text file. When the "Save position and style" option is used the text file will also contain the position of the text (in pixels) and the type and size of the font used in the document.

The text out feature is widely used for document archiving purposes. Storing only the text information from the document typically requires a lot less space than storing large images.

When printing invoices for example, when using the text out feature it is

enough to store only one copy of an empty invoice as an image and then store the invoices in text format.

Based on the information from the text file generated by the Black Ice printer driver, and by using the image of the empty invoice, all invoices can be restored in a few steps.

In order to restore a document, the application developer first has to load the empty invoice image and then overlay the text information, line-by-line at the position specified in the text file. To aid developers with this process, the driver stores the exact size and resolution (DPI) of the generated images in the group

file along with other useful values. Below is a sample of the information that the group file contains:

```
Image Format=TIFF Group 4
Bits Per Pixel=1
Orientation=Landscape
Page width in pixels=3300
Page height in pixels=2550
X DPI=300
Y DPI=300
```

The Resource Toolkit for the Black Ice printer drivers contains a form reconstruction sample application with full source code which can be used as a starting point for application developers to create their own form reconstruction applications.

•292 Route 101•
 •Amherst, NH 03031 USA•
 Tel: (603) 673-1019
 Fax: (603) 672-4112
 •www.blackice.com•

Inside

**Annotation SDK: Powerful New Features,
 Printer Drivers: New Bates Numbering and more!**

MAINPINE Special Offer!

Time to upgrade?



Latest Version Numbers

Programming Tools

Product	Version	Date
Fax C++/ActiveX/COM	10.03	01/21/04
Voice C++/ActiveX/COM	10.03	01/21/04
ColorPrinter Driver for Win95/98/ME	5.59	11/17/03
Metafile Printer Driver for Win95/98/ME	5.59	11/17/03
Mono Printer Driver for Win95/98/ME	5.59	11/17/03
PDF Printer Driver for Win95/98/ME	5.59	11/17/03
Mono Printer Driver for NT/Win2000/XP	8.60	02/22/04
Color Printer Driver for NT/Win2000/XP	8.60	02/22/04
Mono Printer Driver for NT/W2K/XP	8.60	02/22/04
Metafile Printer Driver for NT/W2K/XP	8.60	02/22/04
PDF Printer Driver for NT/W2K/XP	8.60	02/22/04
Terminal Server Printer Driver Win2003	8.60	02/22/04
Tiff SDK/ActiveX/COM	10.10	02/24/04
Annotation SDK/ActiveX/COM	10.10	02/24/04
Fax Cover Page Generator SDK/ActiveX	10.10	02/24/04
Image SDK/ActiveX	10.10	02/24/04
Document Imaging SDK/ActiveX	10.10	02/24/04

Impact Products

Product	Version	Date
Impact Fax Server	4.36	12/18/02
Impact Fax on Demand	4.06	12/01/00
Impact Fax Broadcast	3.50	02/22/04
Impact ColorFax	5.50	02/22/04
Drag and Drop Printing	2.00	12/24/02

Internet Tools

Product	Version	Date
Print2Email	3.01	01/20/03
Tiff Viewer Plug-in - Complete	5.01	06/26/03
Print Monitoring Server	2.20	09/05/03

Free Software

Product	Version	Date
Impact ColorFax Lite	5.01	02/21/03
Tiff Viewer Plug-in - Free Version	5.00	03/26/03
ModemWeasel	2.00	08/01/02