

# SuperClip (tm) 3.60, Shareware Edition

Screen Capture Software for Windows and DOS  
32-bit Windows 95 and Windows NT version

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## CONTENTS

Introduction .....	2
Installation - Windows 3.1 .....	2
Installation - Windows 95 and Windows NT .....	2
Capturing the Windows Screen .....	2
Capturing the DOS Screen .....	3
Cropping the Clipboard Image .....	4
File Menu .....	5
Save as BMP .....	5
Save as GIF .....	5
Save as JPG .....	5
Save as PCX .....	5
Save as PNG .....	6
Save as TIF .....	6
Save as TXT .....	6
Open BMP .....	6
Display Menu .....	6
Options Menu .....	6
Capture cursor .....	6
Capture rectangle .....	6
Clear clipboard .....	6
Enter coordinates .....	7
Interlace GIF .....	7
Interlace JPG .....	7
Interlace PNG .....	7
Invert colors .....	7
Popdown mode .....	7
Popup mode .....	7
Reverse x-axis .....	7
Reverse y-axis .....	7
Set JPG Quality .....	7
Stretch bitmap .....	8
Text colors .....	8
Text to bitmap .....	8
TIF compression .....	8
Transparent GIF .....	8
Print Menu .....	8
Help Menu .....	9
Registration .....	9
AndroSoft Home Page .....	9
Legal Notices .....	10
Support for SuperClip on CompuServe .....	11
APPENDIX - VESA modes supported by DosClip .....	12

## **Introduction**

SuperClip is a clipboard viewer that can save all or part of the image on the clipboard to a graphics file in BMP, GIF, JPG, PCX, or TIF format. The 32-bit version of SuperClip for Windows 95 & NT also supports the PNG graphical file format.

In Windows, the entire screen can be captured to the clipboard at any time by pressing the PrtSc key (Shift+PrtSc on 84-key keyboards), or just the currently active window by pressing Alt+PrtSc. Text can also be captured to the Windows clipboard by pressing PrtSc while a DOS program is running full-screen in text mode. SuperClip can save clipboard text to an ASCII file or to a monochrome graphics file.

The SuperClip package includes a utility named DosClip that works in conjunction with SuperClip to capture to the Windows clipboard the entire screen from a DOS graphical application that is running full-screen in a DOS session under Windows.

## **Installation - Windows 3.1**

The 16-bit version of SuperClip for Windows and DOS can be downloaded from the AndroSoft Web Site at <http://ourworld.compuserve.com/homepages/andromeda>

## **Installation - Windows 95 and Windows NT**

To install SuperClip into Windows 95 or Windows NT from a floppy disk, select "Run" from the Start menu and enter "a:setup" or "b:setup," depending on which floppy disk drive you are using. To install SuperClip from a ZIP file, un-ZIP SCLIP\*.ZIP onto a floppy disk and install from the floppy as already described. Or you may un-ZIP SCLIP\*.ZIP into an empty directory on your hard disk for temporary storage, then select "Run" from the Start menu and enter the full path to setup.exe. The name of the default directory into which setup will install the SuperClip files is SCLIP, which should not be the name of the directory you're installing from. Setup will now insert the SuperClip icon into the Programs folder of the Start menu, after which you may delete the files that were temporarily stored in the installation directory.

To remove SuperClip from your computer, run setup and select the "Remove" option.

## **Capturing the Windows Screen**

SuperClip was designed to run minimized in "popup" mode, meaning it will pop up when you press the PrtSc key to capture the entire screen, or Alt+PrtSc to capture the currently active window. You can then save the entire image or any rectangular portion. To return to the application that was interrupted, simply click on that application's window or minimize SuperClip again. You can turn popup mode off by pressing Ctrl+M, or by clicking on "Popup" in the Options menu, which will remove the checkmark next to this menu item.

SuperClip does not need to be running in order to make a screen capture. Once you have pressed the PrtSc key, you can run SuperClip to display the clipboard. You can then save the entire image or crop a rectangular area with the mouse or keyboard before saving to disk.

To save a captured image to disk, choose the desired format from the File menu.

A dialog box will list the files of the selected format in the current directory. You may select one of the files listed or type a new file name in the edit box. You may also switch to another directory or disk drive.

SuperClip will also display text captured to the clipboard by pressing the PrtSc key while a DOS character-mode application is running full-screen under Windows. Two character sets are available for the display of text, OEM and ANSI, either one of which may be selected from the Options menu. Text can be saved to an ASCII file or to a monochrome graphics file in any of the available formats.

While in popup mode, SuperClip will also pop up when another application puts onto the clipboard a bitmap that is compatible with SuperClip. The compatible formats are DDB (Device-Dependent Bitmap) and DIB (Device-Independent Bitmap), two commonly-used bitmap formats. If you attempt to save a clipboard bitmap whose format is not one of these two, SuperClip will respond with a dialog box that says "No bitmap exists on the clipboard."

Because of the internal complexities of the popup feature, SuperClip will not allow more than one instance of itself to run. Clicking on the SuperClip icon will therefore activate a currently-running instance if one exists, instead of launching a new instance. This property can be put to good use if the SuperClip window should become hidden by another window; click its icon in the Start menu to make the SuperClip window visible.

## **Capturing the DOS Screen**

SuperClip can capture the screen to the Windows clipboard from either a text or a graphical mode DOS application that is running full-screen in a Windows DOS session. Normally, such captures are made by pressing the PrtSc key. However, Windows is not always able to capture the screen to the clipboard from a DOS application that is displaying a full-screen graphical image. In that case, Windows displays the message "Unable to copy screen contents into clipboard." When this occurs, you can still make the capture by activating DosClip, a utility that is included with SuperClip.

Before you can use DosClip, you must make it memory-resident in the DOS session before running the DOS graphical application. To do this, first start a DOS session by clicking on the MS-DOS icon in Windows. At the DOS prompt, type dosclip and press Enter. The directory in which dosclip.exe resides should be included in the PATH statement of your autoexec.bat file, otherwise you will have to type the full path to dosclip.exe before pressing Enter. Dosclip will now display the message "DosClip is now memory-resident" on the screen. The message will also indicate whether or not the VESA BIOS extension is present, as DosClip needs this extension to capture SVGA screens. If the VESA BIOS extension is not present, you will need to insert a line in autoexec.bat that runs a utility that installs the VESA BIOS extension in RAM. See the documentation for your video card for information about this utility. For a list of the VESA modes supported by DosClip, see the Appendix at the end of this document.

After you make DosClip memory-resident in the DOS session, you can run your graphical DOS application. Now, if pressing PrtSc fails to capture a graphical screen to the Windows clipboard, you can activate DosClip by pressing Ctrl+PrtSc. DosClip will signal you with one or more beeps, depending on the screen mode, that it is making the capture. After the final beep, you may proceed working in the DOS application and make additional screen captures. Screen captures are saved to a series of sequentially-named temporary files, starting with DSCLP000.BMP. You can make up to 256 captures in a series before the file name cycles from DSCLP255.BMP back to DSCLP000.BMP and starts overwriting files of the same name.

You can switch back to Windows at any time by pressing Alt+Esc. Your DOS session will now be running minimized so that you can return to it. SuperClip will now open the first temporary file, place the image it contains onto the clipboard, then delete the file. It may be necessary to activate SuperClip by clicking on its title bar, if it is not the currently active window. You can now save the clipboard image, print it, or perform any of the transformations available in the Options menu.

To display the next captured image in the series, press Ctrl+N or select "Next DOS capture" from the "Display" menu. After the last capture is displayed, selecting this menu item will display the message "No more DOS captures." You may now return to the DOS session to make additional captures by clicking on the DOS session icon on the taskbar. A new temporary series will begin, starting at DSCLP000.BMP.

The temporary BMP files are stored in the default WINDOWS\TEMP directory, unless you specify another directory by setting the TMP environment variable in autoexec.bat. The temporary BMP files created by DosClip are not really useful to any other application besides SuperClip, as the images are inverted. SuperClip automatically re-inverts the images before displaying them. There is a practical reason for this image inversion; contact the programmer if you need to know the technical details.

Although DosClip was designed to run in a Windows DOS session, it is possible to use DosClip on a machine that is running only DOS. In that case, you should include the following line in the DOS autoexec.bat file:

```
set TMP=C:\WINDOWS\TEMP
```

This will enable SuperClip to find and display the DosClip temporary BMP files when you start Windows and run SuperClip.

## **Cropping the Clipboard Image**

The SuperClip display window can scroll the clipboard image horizontally and vertically by means of the scroll bars. To mark a rectangular area for cropping, move the cursor to the top-left corner of the desired rectangle, depress the left mouse button, move the cursor to the lower-right corner and release the button. Repeat this procedure to erase the rectangle and draw a new one. The width and height of the rectangle in pixel units will be displayed in the title bar, as will the x (horizontal) and y (vertical) coordinates of the upper-left (UL) and lower-right (LR) corners of the rectangle. The origin of these coordinates is the upper-left corner of the clipboard image.

You can use the keyboard to modify or enter rectangle coordinates. To do this, select "Enter coordinates" from the Options menu. The dialog box will allow you to specify the position of the upper-left corner of the rectangle. You can specify the position of the lower-right corner by entering its x and y coordinates or by entering the width and height of the desired rectangle.

You may save the cropped image directly to disk by means of the File menu, or you may capture the rectangle to the clipboard by pressing Ctrl+R or by selecting "Capture rectangle" from the Options menu. To erase the rectangle, press Esc or position the cursor anywhere on the image and click the left mouse button.

## **File Menu**

The File Menu has the following items:

**Save as BMP**

Select this menu item to save the contents of the clipboard to an uncompressed Windows Bitmap File with the filename extension BMP. Monochrome, 16-color, 256-color, and 24-bit TrueColor modes are supported.

**Save as GIF**

Select this item from the File menu to save the contents of the clipboard to a CompuServe Graphics Interchange Format file with the filename extension GIF. This format utilizes LZW compression, and supports Monochrome, 16-color and 256-color modes. The GIF format is palette-based and does not support more than 256 colors, so if the number of colors in the image on a 24-bit TrueColor display exceeds that number, the Windows 3.1 version of SuperClip will abort the save, but the Windows 95/NT version of SuperClip will create a palette of 256 colors, map the image to those colors, and save it to a GIF file. In that case, you will be prompted to choose one of two palette types: Optimal, or Safety.

The Optimal palette will give the best possible color rendition when the GIF file is viewed on a graphical viewer or printed on a color printer.

The Safety palette will allow the GIF file to be embedded into an HTML page and viewed on a Web browser without dithering of colors. Web browsers running on 256-color displays will dither all colors that are not in the Safety palette. Either type of palette can be used for GIF images in HTML pages, and which one is better depends on the image. Dithering tends to work better for a photographic image, so the Optimal palette may be preferable in that instance. The Safety palette works better for line art, where dithering of solid colors would be objectionable.

Any one of the colors in an image can be selected to be a transparent color in a GIF file. See "Options - Transparent GIF" for details.

If text is the currently-displayed clipboard format, it will be converted to a graphic image and saved to a monochrome GIF file.

**Save as JPG**

Select this item from the File menu to save the contents of the clipboard to a JPEG file with the filename extension JPG. This is a 24-bit TrueColor format that utilizes variable-quality lossy compression. SuperClip promotes monochrome and palette-based 16 and 256-color images to 24-bit TrueColor before saving to JPG. The compressed file size is inversely proportional to the quality setting, which may be set to any value from 1 to 100 in the Options menu. The default Q setting is 75.

**Save as PCX**

Select this menu item to save the contents of the clipboard to a PC Paintbrush file with the filename extension PCX. Monochrome, 16-color, 256-color, and 24-bit TrueColor modes are supported.

### **Save as PNG (Windows 95 & NT version)**

Select this menu item to save the contents of the clipboard to a Portable Network Graphics file with the filename extension PNG. Monochrome, 16-color, 256-color, and 24-bit TrueColor modes are supported.

### **Save as TIF**

Select this menu item to save the contents of the clipboard to a Tagged Image Format file with the extension TIF. Three compression modes are available: LZW, PackBits, and no compression, any one of which may be selected from the Options menu. The defaults are LZW for 24-bit TrueColor images, and PackBits for monochrome and palette color images.

### **Save as TXT**

Select this menu item to save clipboard text to an ASCII text file. Two character sets are available. The OEM character set is the DOS-compatible IBM extended ASCII character set. The ANSI character set is the one used by Windows. If you save text to a file that already exists, the text will be appended to the file.

The text that will be saved extends from the top of the Window, as set by the current vertical scroll position, to the end of the clipboard text.

### **Open BMP**

Select this item from the File menu to open a BMP file and place it onto the clipboard. The image can now be saved in any of the four available formats, or cropped and then saved.

## **Display Menu**

This pull-down menu allows you to select which of the available clipboard formats to display. Normally, Windows will clear the clipboard when the PrtSc key is pressed. However, applications can place a bitmap or text on the clipboard without first clearing it, so that text and graphics can coexist. This is the case when you select Open BMP. By default, SuperClip will display the format most recently added to the clipboard.

## **Options Menu**

The following options are available:

### **Capture cursor (Ctrl+U) - Windows 95 & NT version**

Select this menu item to include the mouse cursor as part of the screen image when you press PrtSc. The cursor is not captured when you press Alt+PrtSc to capture the currently-active window.

### **Capture rectangle (Ctrl+R)**

Select this menu item to capture the current rectangle to the clipboard. You must first draw a rectangle with the mouse or by entering coordinates from the keyboard.

### **Clear clipboard (Ctrl+L)**

Select this menu item to empty the clipboard.

**Enter coordinates (Ctrl+E)**

Select this menu item to modify or draw a rectangle by entering its coordinates from the keyboard. The values that appear in the dialog box are those of the current rectangle, if one has been previously entered or drawn with the mouse. If there is no current rectangle, the values default to a rectangle that contains the entire client area of the SuperClip window. Coordinates may be entered that exceed the boundaries of this client area, and may include the entire image on the clipboard, up to a full screen.

The origin of the rectangle coordinates is the upper-left corner of the clipboard image. To erase the rectangle, press Esc or click the left mouse button.

**Interlace GIF (Ctrl+F) - Windows 95 & NT version**

Use this menu item to select whether or not GIF files will be interlaced.

**Interlace JPG (Ctrl+J)**

Use this menu item to select whether or not JPG files will be interlaced.

**Interlace PNG (Ctrl+P) - Windows 95 & NT version**

Use this menu item to select whether or not PNG files will be interlaced.

**Invert colors (Ctrl+I)**

Select this menu item to invert the colors of the image on the clipboard, creating a negative image. The original colors can be restored by selecting this menu item again.

**Popdown mode (Ctrl+D)**

When this option is selected, SuperClip will automatically minimize itself after saving an image or text to disk. This feature is independent of popup mode.

**Popup mode (Windows 3.1 version)**

This is the default mode of SuperClip. When minimized or hidden by another window, SuperClip will pop up onto the screen whenever a bitmap image or text is put onto the clipboard. Select this menu item to turn popup mode off or back on again.

**Popup mode (Windows 95/NT version)**

The default mode of SuperClip is to pop up only when you press the PrtSc key. You may turn popup mode off or select the option to pop up on all clipboard events, as the Windows 3.1 version does.

**Reverse x-axis (Ctrl+X)**

Select this menu item to flip the clipboard image horizontally. This will result in a mirror image.

**Reverse y-axis (Ctrl+Y)**

Select this menu item to flip the clipboard image vertically. The effect is the same as flipping a transparency over, top-to-bottom, and viewing it from the back. To simulate the effect of turning an image upside-down, it is necessary to reverse both x and y axes.

**Set JPG Quality (Ctrl+Q)**

Select this menu item to adjust the quality setting for JPG files. The size of the JPG file will be inversely proportional to this setting, which may be set anywhere from 1 to 100. The default Q setting is 75.

**Stretch bitmap (Ctrl+S)**

Select this menu item to stretch or compress the clipboard image along the horizontal and/or vertical axes. Dimension limits are 1280 pixels horizontally by 1024 pixels vertically.

#### **Text colors.**

This menu item allows you to choose the displayed colors of clipboard text. The choices are black-on-white (the default) and white-on-black.

#### **Text to bitmap (Ctrl+B)**

Select this menu item to convert clipboard text to a monochrome bitmap image, so that it can be cropped or subjected to any of the other transformation options, and/or saved to disk in any of the graphical formats.

The text that will be converted to a graphic image extends from the top of the window, as set by the current vertical scroll position, to the bottom of a full-screen image.

#### **TIF compression**

This menu item allows you to select the compression scheme for TIF files. The choices are no compression, PackBits, and LZW (Lempel, Ziv, & Welch). In the Windows 95/NT version of SuperClip, two modes of LZW compression are available: LZW 8k and LZW 16k. The k refers to the number of kilobytes of raw pixel data compressed into each strip. The conventional strip size in TIF files is 8k, but 16k yields better compression. The defaults are LZW 8k for 24-bit True-Color images, and PackBits for monochrome and palette color images.

#### **Transparent GIF**

Select this menu item to turn GIF transparency on. This will make the selected color of subsequent GIF files transparent. To select a color to be transparent, point the mouse cursor on the image to the color you want to be transparent, then click the right mouse button. It is not necessary to select this menu item to turn GIF transparency on; simply select a color to be transparent, and this feature will be enabled. The selected color will be the transparent color for all subsequent GIF files, until you select a different color or select this menu item to turn GIF transparency off, which will remove the checkmark next to this menu item.

If you select this menu item to turn GIF transparency back on, the previously-selected color will be transparent, unless you select a different color.

### **Print Menu**

Select this menu item to send clipboard graphics or text to the printer. When printing a graphical image, Windows first presents a dialog box that will allow you to select from various options, such as resolution and intensity, then SuperClip presents a dialog box that allows you to position the image on the page and stretch or compress it vertically and/or horizontally.

When printing text, SuperClip first presents a dialog box that allows you to specify top and bottom margins, and the number of lines of text to print on each page. Then Windows presents a dialog box that allows you to select from various options, and to specify how many pages to print. Printing begins from the text at the top of the window, as set by the current vertical scroll position.

### **Help Menu**

Online Help is available to explain the features of SuperClip, and includes a glossary of terms used in this document.

Select "System info" from the Help menu to display the resolution and color capability of the Windows screen driver currently running on your system.

## **Registration**

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The Professional Edition of SuperClip does not superimpose any shareware notice or logo on saved or printed images.

To register and receive your licensed Professional Edition, fill out the Order Form and mail, e-mail, or fax to

AndroSoft  
125 N. Prospect St.  
Washington NJ 07882  
U.S.A.

NJ residents please include sales tax.

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AndroSoft is a growing business and it may become necessary in the future for us to relocate. Our postal address, fax and telephone numbers may change, but our e-mail address will stay the same. You will therefore still be able to contact us by e-mail, even if attempts to contact us by other means fail.

## **AndroSoft Home Page**

The current version of SuperClip Shareware Edition is always available for download from the AndroSoft Home Page on the World Wide Web. The URL is

<http://ourworld.compuserve.com/homepages/andromeda>

## **CREDIT CARD ORDERS**

You may e-mail or fax your order with your name, address, VISA, MasterCard, or American Express account number, and expiration date. Please include your signature on fax orders, and specify one of the following methods of delivery:

1. First-class air mail on 3.5" disk.
2. SCLIP-PE.ZIP via e-mail to a CompuServe address.
3. SCLIP-PE.ZIP via e-mail to an America Online address.
4. SCLIP-PE.ZIP via Internet e-mail (requires your e-mail software to have MIME capability, indicated by a line in the header of your messages that begins with "MIME-version:")

Registration fee is \$39.00 for one pc, plus \$10.00 for each additional pc or workstation on which SuperClip will be used. Shipping via e-mail: \$1. Via first-class air mail: \$1 to North America, \$2 elsewhere. Additional copies on diskette: \$1 each. Residents of New Jersey please include sales tax.

Orders may also be placed by telephone to (908) 689-4412.

## **SITE LICENSING**

A site license is available for the very reasonable fee of \$10 for each additional pc or workstation on which SuperClip will be used. To obtain a site license, fill out and submit the Order Form with payment.

## **Legal Notices**

The JPEG file capability of SuperClip is based on the work of the Independent JPEG Group.

## **SHAREWARE NOTICE**

The Shareware Edition of SuperClip may be freely distributed. You may use it over a fifteen-day period to determine its suitability for your needs. To continue using SuperClip beyond this evaluation period, you will be required to purchase the registered Professional Edition.

Registration fees are the only compensation the programmer receives for the work and expense of writing this program. Please support the shareware concept of quality, "try-before-you-buy" software. Registered users are entitled to unlimited technical support and low-cost upgrades.

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## **Support for SuperClip on CompuServe**

The Shareware Edition of SuperClip can be found in the WINSHARE Forum on CompuServe, an official distribution and support online resource for future updates. Search for SCLIP.ZIP.

The Windows Users Group Network [WUGNET], operators of the oldest and largest independent support resource forum [WINUSER] for Windows users on CSi with over 1,000,000 active members is recognized by the press, user groups, developers, and Microsoft as the foremost resource for shareware publishers on CompuServe and the Internet.

## APPENDIX - VESA modes supported by DosClip

In addition to the standard VGA modes, the following VESA SVGA graphical screen modes are supported by DosClip:

MODE	PIXEL RESOLUTION	NUMBER OF COLORS
100h	640 x 400	256
101h	640 x 480	256
102h	800 x 600	16
103h	800 x 600	256
104h	1024 x 768	16
105h	1024 x 768	256
106h	1280 x 1024	16
107h	1280 x 1024	256
10Fh	320 x 200	16,777,200
112h	640 x 480	16,777,200
115h	800 x 600	16,777,200
118h	1024 x 768	16,777,200
11Bh	1280 x 1024	16,777,200

# # #