

**NEWSTART.EXE 1.04**  
**FreeWare from Mote Prime BBS**  
**Columbia South Carolina - 803-782-3772**  
**Sysop - Jeff Elkins**

**Files Included:   NEWSTART.EXE**  
**NEWSTART.HLP**  
**NEWSTART.WRI**  
**Assorted .RLE Files.**

NewStart V1.03 is a Windows 3.0 utility designed to change your startup RLE file from Microsoft's to one of your choice. Copy Newstart, it's .HLP file and the .RLE files you wish to use to generate startup screens into your windows subdirectory or the subdirectory of your choice.

## **Precautions**

Make and KEEP a copy of WIN.COM in your windows subdirectory. Call it mywin.com or whatever you choose EXCEPT for WINBAK.COM

NewStart will create a copy of WIN.COM called WINBAK.COM before it changes your RLE. It does this each time you change the RLE so you always have a copy of the previous WIN.COM in your Windows directory. If the WIN.COM produced by NewStart fails to start windows properly, rename WINBAK.COM WIN.COM and try again.

## **Restoring Microsoft's Screen**

NewStart has a button which will restore Microsoft's default RLE file. If for any reason you want the default RLE restored click this button.

## **How NewStart Works**

Newstart uses methods previously described to build a new WIN.COM file in your windows subdirectory. In essence, It COMBINES the files 'WIN.CNF', a .LGO file, and the .RLE file (Run-Length Encoded 4-bit) bitmap into the file 'WIN.COM'. This is the equivalent of the DOS copy command:

```
COPY WIN.CNF + VGALOGO.LGO + ????.RLE /B WIN.COM.
```

## **Deleting Files**

The delete button allows you to delete a highlighted file. After the button is pressed a message box is displayed, asking for confirmation of the deletion.

## **Viewing RLEs**

NewStart allows you to view your RLEs by clicking the view radio button then double-clicking the appropriate file or by highlighting the file and pressing the Execute button.

## Creating RLE Files

To create your own RLE file create a graphics file in Windows Paint or the paint program of your choice. Save it as a BMP or GIF file (if your paint program allows GIF format). If like me you can't draw worth a hoot start with a GIF you know and love. The image can be no larger than 640X480 and have no more than 16 colors. NewStart imposes a limit of 63K for maximum size of any RLE it processes.

Next, use a graphics conversion program such as WinGIF or Paint Shop to convert the BMP or GIF file to a 'Format RLE' or 'Format RLE 4' file. The file should now be usable as a Windows 3.0 startup screen.

## Display adapters

As far as display adapters go, NewStart has been tested on VGA. Support code for XGA, 3514/A, SuperVGA, EGA, Hercules and CGA is present but HAS NOT BEEN TESTED!

To determine video vertical resolution I'm using the Windows API call `GetDeviceCaps(HDC,vertres)`

Petzold's "Programming Windows" version 3 lists the following values:

	CGA	EGA	VGA	8514/A
VERTRES	200	350	480	760

In addition, from PC Magazine:

	HERCULES	SVGA	XGA
VERTRES	348	600	768

producing the following selection table:

VERTRES	.LGO FILE	DEFAULT RLE FILE
200	CGALOGO.LGO	CGALOGO.RLE
348	HERCLOGO.LGO	HERCLOGO.RLE
350	EGALOGO.LGO	EGALOGO.RLE
>= 480	VGALOGO.LGO	VGALOGO.RLE

EGA monochrome users may have problems. I'd try to copy your EGAMONO.LGO file in the system directory to EGALOGO.LGO and see if it works. Repeat these steps for the EGAMONO.RLE file.

## RLE File Types

RLE stands for Run Length Encoded. RLE's are compressed images (compressed, in this context, meaning the size of the file, somewhat like the compression gained when you ZIP a program).

There are two different types of RLE files: CompuServe-style RLE files and Microsoft-style RLE files. CompuServe RLE files will NOT work properly with NewStart. Use only the Microsoft variety.

Microsoft-style RLE files also come in several types. The only kind usable for startup screens are RLE4 files. The 4 stands for 4-bit; i.e. a maximum of 16 colors.

Windows BMP files can be translated to RLE4 format using either Paint Shop or WinGIF. Both of these are shareware programs, available on many BBS's, (of course on Mote Prime!) as well as CompuServe and GENie. Be sure to use a 1991 version of Paint Shop; earlier versions were not reliable when producing RLE4 files.

## **Legal Issues**

This program is Freeware.

This program copyrighted and NOT in the public domain. You are free to use it and pass it along to others as long as no fee is charged. Shareware/Freeware distributors who charge a fee may distribute this program as long as the charges reflect their costs only.

DISCLAIMER 1: The Microsoft Windows startup screen (the one that comes up when you first load Windows) is actually a copyright notice. Any problems resulting from the removal of this screen are yours not mine. This program does however, allow you to restore the original startup screen at any time.

DISCLAIMER 2: No matter what damages may result from use of this program, I am NOT responsible. No warranties are offered either express nor implied). Use it at your own risk!

## **Tech Support:**

If you have trouble contact me on GENIE (J.ELKINS1) , COMPUSERVE (70302,1573) or on my BBS (803-782-3772) and I'll try to help resolve the problem.