

Readme1

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Microsoft Product Support Services Application Note (Text File)  
WW0550: RUNNING WINDOWS WITH DR-DOS  
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Revision Date: 6/92  
No Disk Included

The following information applies to the Microsoft Windows operating system version 3.1.

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NOTE: Microsoft has tested the Microsoft Windows operating system on  
versions 3.1 or later of MS-DOS and PC-DOS. However, we cannot  
ensure the success of running Windows with DR-DOS from Digital  
Research(R). Digital Research has announced the availability of a  
software update for running Windows with DR-DOS. You may want to  
obtain this update as an alternative to the following procedure.  
However, Microsoft neither ensures the stability of nor endorses  
running Microsoft Windows version 3.1 on DR-DOS with or without  
Digital Research's software update.

When you install Microsoft Windows operating system version 3.1 with  
DR-DOS, Windows may display the following message when it enters the  
graphical user interface (GUI) mode of Windows Setup:

Standard Mode: Fault in MS-DOS Extender

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MS-PCA 1180244  
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MSC 007000198  
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### Recovering Windows 3.0

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The above message indicates a failed Windows 3.1 installation. If you receive this message when you try to upgrade from Windows 3.0 to Windows 3.1, you will be unable to start Windows. The following set of instructions allow you to return to a functional Windows 3.0 installation after a failed installation of Windows 3.1:

1. Restart your computer.
2. Change the current directory to the Windows directory. For example, if Windows is installed on drive C in the WINDOWS directory, type the following at the C:\> command prompt and press ENTER:

```
cd windows
```

3. Rename all the .INI and .GRP files in the Windows directory to .INN and .GRN by typing the following at the command prompt and pressing ENTER after each line:

```
rename *.ini *.inn  
rename *.grp *.grn
```

4. Delete the WINVER.EXE file from the Windows directory. This will allow Windows 3.0 to update all the Windows files. To delete this file, type the following at the command prompt:

```
del winver.exe
```

5. Reinstall Windows 3.0 to the Windows directory with the previous configuration options (accept the previous configuration options that the Windows Setup program displays).

Do not select any of the options in the graphics mode of Windows 3.0 Setup (that is, Printers, Setup Applications, Read Documents, and modify the CONFIG.SYS and AUTOEXEC.BAT files).

If you do not have enough disk space to install Microsoft Windows version 3.0, you will receive the message:

```
Your System does not have enough free disk space. Windows  
requires a minimum of 6300000 bytes of free disk space for  
installation.
```

Note: If you receive this message, see the section "If Disk Space Is Limited" later in this document.

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6. Copy all the .INN and .GRN files to the same name with the original extensions (.INI and .GRP), by typing the following at the command prompt:

```
copy *.inn *.ini
copy *.grn *.grp
```

7. Copy the SYSINI.W31 and WININI.W31 files to SYSTEM.INI and WIN.INI, respectively, by typing the following at the command prompt. The .W31 files are the backup .INI files that Windows 3.1 created during the failed upgrade to Windows 3.1.

```
copy sysini.w31 system.ini
copy winini.w31 win.ini
```

8. Delete the W8D40P2T.A4G file in the Windows directory by typing the following at the command prompt. This file is used by Windows 3.1 to start the graphics mode of Setup.

```
del w8d40p2t.a4g
```

All object linking and embedding (OLE) functionality will be intact for pre-Windows 3.1 OLE applications such as version 3.0 of Microsoft Excel and version 2.0 of Microsoft Word for Windows.

If Disk Space Is Limited

To set up Windows 3.0 on a system with limited hard disk space, you may need to temporarily adjust the Windows 3.0 SETUP.INF file. Before you reinstall Windows 3.0 (step 5 of the "Recovering Windows 3.0" procedure above), do the following:

1. Copy the SETUP.EXE and SETUP.INF files from Windows 3.0 Disk 1 to a separate directory on the hard disk. For example, if you insert Disk 1 in drive A and want to copy the files to the root directory, type the following at the command prompt:

```
copy a:\setup.exe c:\
copy a:\setup.inf c:\
```

2. Use a DOS-based editor, such as DR-DOS Editor, to edit the [DATA] section of this SETUP.INF file for Windows 3.0. When you open the file, the [DATA] section will read as follows:

```
[DATA]
neededspace386=6300000
```

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```
space386upgrade=2000  
neededspace286=4500000  
space286upgrade=1000
```

Change the values for neededspace386= and neededspace286= as follows:

```
neededspace386=1  
neededspace286=1
```

3. Run Windows Setup from the directory with the adjusted SETUP.INF file (in this example, the adjusted SETUP.INF file is in the root directory).
4. After Windows Setup is complete, copy the Windows 3.0 SETUP.INF file from Disk 1 to the Windows 3.0 SYSTEM subdirectory. For example, if you insert Disk 1 in drive A and your Windows directory is on drive C and is named WIN, type the following at the command prompt:

```
copy a:\setup.inf c:\win\system
```

For more information on running Microsoft Windows with DR-DOS, please contact Digital Research.