



OPERATING SYSTEMS

Windows Me Video Drivers

OBJECTIVES

1. Install new video drivers.
2. Change display resolutions.
3. Change the desktop size.
4. Change desktop appearance.
5. Configure the Power settings.

RESOURCES

1. Marcraft 8000 Trainer running Windows Millennium
2. Manufacturer's driver installation disk for the display adapter



**Operating
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DISCUSSION

The first thing that anyone does after installing Windows 9x or Windows Me is update the display driver. Windows Me usually installs its own generic version of the manufacturer's drivers. There are a few incompatibilities between Windows Me and third-party software, so you should read Display.txt located in the Windows directory to see if your configuration matches anything on the list.

Windows Me upgrades all Microsoft-provided drivers from Windows 9x and DirectX releases. Windows Me also upgrades certain third-party Windows 9x drivers that might experience problems running in Windows Me.

If the Windows Me CD does not contain a driver for your device, Windows Me converts the driver to standard VGA to allow the system to start. In this case, you need to obtain an updated driver, either by following the procedure in the Windows Update or by contacting your display hardware manufacturer.

Windows Me Setup Wizard configures your adapter type based on the type of video controller it uses (i.e., S3, Cirrus Logic, or ATI). However, you may find a more exact match for your adapter's make and model by using the Update Device Driver wizard. If your computer is working with the display driver that Windows Me automatically installed, there's no need to make a change.

If Windows Me does not contain a driver for your monitor type, select one of the standard monitor types instead. This selection will not adversely affect the performance or quality of the Windows Me display output. Before you can change to a higher resolution on certain video cards, you will have to specify the exact monitor type. This is by the design of the newer drivers. Windows Me will also support multiple monitors. You can use one computer to control two to nine monitors through a common desktop. The multiple-monitors feature increases the size of your screen, so you can see multiple programs or windows simultaneously.

PROCEDURE - 10

After all drivers have been updated, Windows 9x and Windows Me provide you with many different graphics for use in decorating your desktop appearance. If you don't like one of theirs, you can use one of your own, customizing the appearance to whatever suits your fancy.



**Operating
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PROCEDURE

1. Boot the computer to Windows Me

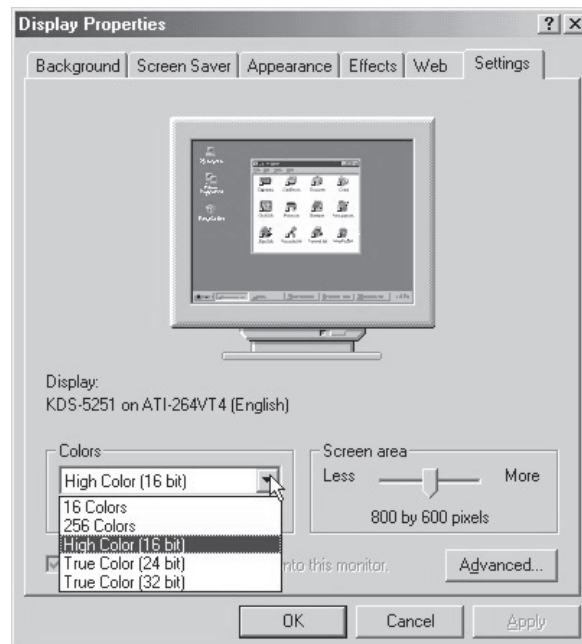
- ___ a. Turn on the computer and select Windows Millennium from the Operating System (OS) selection menu.

2. Changing the video display adapter driver

- ___ a. Right-click the desktop and choose Properties.
- ___ b. Click the Settings tab.
- ___ c. Click the Advanced button.
- ___ d. Click the Adapter tab.
- ___ e. Click the Change button.
- ___ f. Insert the manufacturer's driver installation disk into the proper drive.
- ___ g. Accept the default option of letting Windows search for the best drivers and click Next.
- ___ h. Click Finish once Windows has found and installed the new drivers.
- ___ i. Remove the manufacturer's disk.
- ___ j. Click YES to restart the computer.
- ___ k. If you are prompted to install the monitor, follow the steps at startup.

3. Changing the display resolutions

- ___ a. From the Windows ME desktop, click Start/Settings/Control Panel.
- ___ b. Double-click the Display icon.
- ___ c. Click the Settings tab and, in Table 10-1, list how many colors are used and the Screen area setting.
- ___ d. Click the arrow next to the color settings to display the color options, as shown in Figure 10-1.



**Figure 10-1:
Changing the Color
Settings**

- ___ e. In Table 10-2, list the optional color settings available.
- ___ f. Choose the highest color setting available for your video adapter and click Apply.
- ___ g. Click the radio button next to "Apply the new color".
- ___ h. Click OK.
- ___ 1. Click OK again to close the display.

4. Verifying the Interrupt and Input/Output system settings of the display adapter

- ___ a. From the Control Panel, double-click the System icon.

NOTE: If you do not see the option that you are looking for, click "View all Control Panel" options.

- ___ b. Click the Device Manager tab.
- ___ c. Double-click on Display Adapters.
- ___ d. Double-click the name of your display adapter to bring up its properties.
- ___ e. Click the Resources tab.
- ___ f. In Table 10-3, list the Memory ranges, Input/Output ranges, Interrupt requests, and DMI, if given.
- ___ g. Close your adapter's properties window and the system properties window.
- ___ h. Close the Control Panel.
- ___ i. Right-click the desktop and choose Properties.
- ___ j. Click the Settings tab.
- ___ k. At the bottom right under Screen area, change the setting to 1027x768 pixels and click Apply.
- ___ l. Click OK twice to resize the desktop.
- ___ m. Notice the difference in the screen area and icon sizes. Click No to save your current 800x600 pixel settings or Yes to accept the new settings.

5. Changing the desktop appearance

- ___ a. Click the Background tab.
- ___ b. Scroll through the list of Wallpaper and click on Windows Millennium.
- ___ c. Under Picture Display, select Stretch as shown in Figure 10-2.

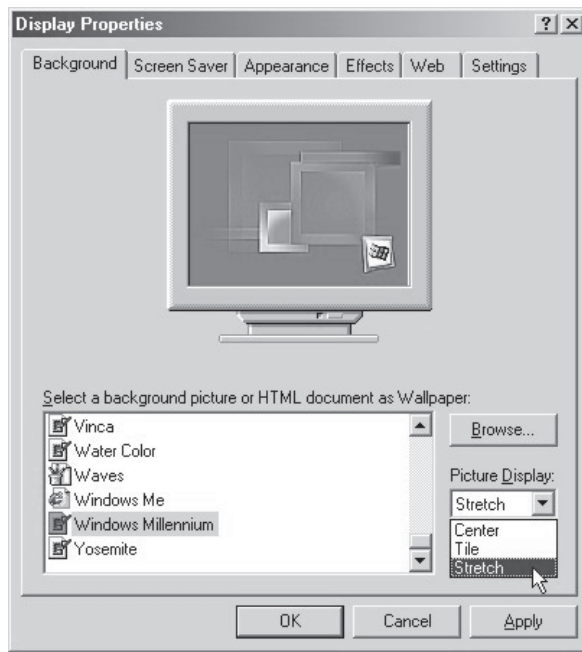


Figure 10-2:
Setting the
Windows Desktop
Wallpaper

PROCEDURE - 10

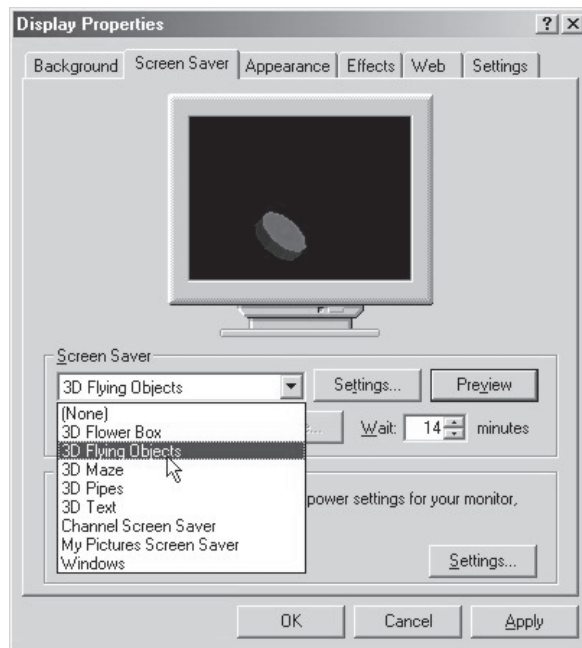


Figure 10-3:
Selecting a Screen Saver

___d. Click Apply.

NOTE: You may be prompted to enable Active Desktop; click yes to enable it.

___e. Click the Screen Saver tab.

___f. Click the down arrow next to the Screen Saver box to open the menu.

___g. Select 3D Flying Objects as shown in Figure 10-3.

___h. Click the Settings button.

___i. In the Style menu, select Splash.

___j. Check the box next to Color-cycling and click OK.

___k. Change the number of minutes to wait for the screen saver to activate to 1, as shown in Figure 10-4.

___l. Click the Apply button.

6. Configuring the Power Scheme

___a. Click the Settings button in the “Energy saving features of monitor” dialog box.

___b. In Table 10-4, list the Power Scheme options from the menu.

___c. Select the Home/Office Desk power scheme and select 1 minute to “Turn off Monitor”.

___d. Next to System Stand By, select After 2 Minutes.

___e. Click Apply.

___f. Click OK.

___g. Click OK to close the Display properties

___h. Sit back for a few minutes without touching the mouse or the keyboard.

___i. In Table 10-5, describe what happens.

___j. Move the mouse.

___k. In Table 10-6, describe what happens.

___l. Right-click the desktop and choose Properties.

___m. Click the Screen Saver tab.

___n. Click the Settings button in the “Energy saving features of monitor” dialog box.

___o. Next to System Stand By, select 1 hour.

___p. Next to Turn Off Monitor, select 1 hour.

___q. Click Apply, then OK.

___r. Next to Wait, click the mouse cursor next to the 1 and press the DELETE key.

___s. Type in 15 and click OK to close Display properties.

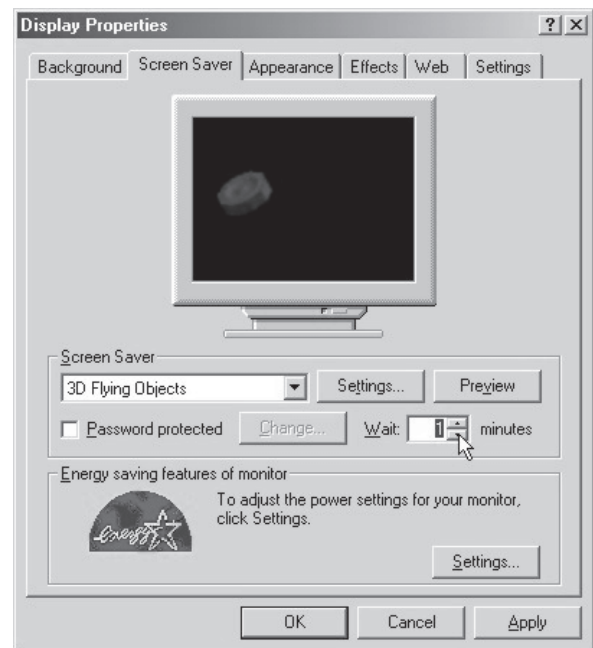


Figure 10-4: Setting the Screen Saver Activation Delay

TABLES

Table 10-1

| | |
|----------------------|--|
| No. of Colors: | |
| Screen Area Setting: | |

Table 10-2

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Table 10-3

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PROCEDURE - 10

Table 10-4

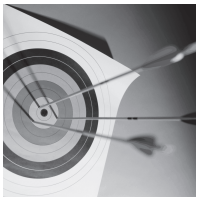
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Table 10-5

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Table 10-6

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Feedback

LAB QUESTIONS

1. How can you open the display adapter properties window?
2. What are the typical screen areas (in pixels) found in most contemporary computers?
3. How do you configure the settings for a screen saver?
4. What two features can be controlled in the Power Options Properties window?
5. If Windows Me identifies your video adapter, either during the installation of the operating system or by using Plug-and-Play installation afterwards, what kind of driver does it install?