*K*ELVIN *V*IDEO*64 O*N*-L*INE *M*ANUAL

SECTION 2: SOFTWARE

Software Overview

Once you complete the hardware installation, you can begin the software installation. This section gives you instructions for installing the Kelvin Video64 software and drivers for DOS, Windows 3.1x and Windows 95 operating system environments.

High resolution device drivers are included for popular software applications. The drivers that come with Kelvin Video64 are:

Windows 3.1x   Windows 95   3D Studio ADI
Microstation   AutoCAD ADI

Kelvin Video64 also features the Xing Software MPEG   Player for Windows 3.1x and Windows 95. Other drivers are available through Orchid Technical Support, or may be downloaded from the Orchid Bulletin Board System or CompuServe.

SOFTWARE INSTALLATION

DOS/Windows 3.1x
Windows 95
XingMPEG Player

CAD Drivers

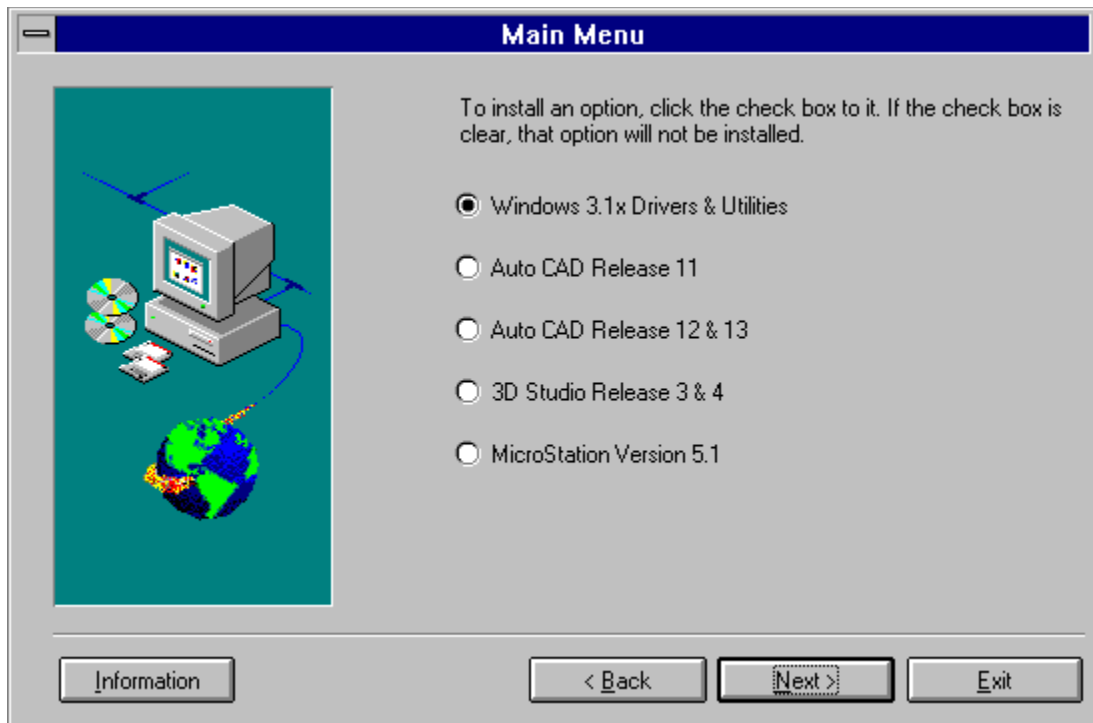# UTILITIES

DOS/WINDOWS 3.1X

The Kelvin Video64 software drivers installation must be run from the DOS command line.

1. Insert the Kelvin Video64 Disk 1 into your floppy drive and type: A:\INSTALL.

   The installation program automatically detects if Windows is present on your computer. If Windows is not present, it is assumed that your computer is used for DOS applications only and allows for the installation of AutoCAD or MicroStation drivers.

   If Windows is present, the installation program will reset the Windows display to VGA mode and then launch Windows. After launching Windows, the Welcome screen will appear.

2. Click on Next to continue with the installation program. The following screen appears:

3. Click on the option of your choice, then click on Next to continue.

4. Enter the drivers installation location, then click on Next to continue.

5. Enter the Orchid DOS Utilities installation location, then click on Next to continue.

6. The installation program will copy the program files to the selected directory locations.

7. After the installation is complete, you can select YES to return to the Main Menu or NO to exit the installation program.

8. Once you exit the installation program you will need to restart your system for the changes to take effect.

9. After Windows is restarted, the Orchid Setup Control Panel icon is installed in the Orchid Kelvin Video64 program group.

Configuring Your Video Display Driver

Refer to the <u>Orchid Setup</u> utility section for instructions on configuring your video display driver.

Network Considerations

The installation program offers standard and network installation options for Windows 3.1x graphics drivers.   When using Windows in a Novell (or compatible) network, select the Network Server Installation option.

The installer will ask for a directory name to install the drivers to. You must install the Kelvin Video64 Windows drivers to the shared Windows directory on the network server. Once the drivers are installed on the network server, the Orchid icon appears in the Windows Control Panel on each workstation, for individual driver customization.

NOTE: The installer must have   privileges to add drivers to the shared Windows subdirectory. Check with your System Administrator.

WINDOWS 95

Software Installation

1. Start Microsoft Windows 95. *NOTE:* If you receive a Display error message, click on OK to bypass the message to start the hardware installation.

2. From the Windows 95 desktop, click on the Start button and select Setting.

3. Select the Control Panel.

4. From the Control Panel group, double-click on the Add New Hardware icon.

5. Click on Next to begin the hardware setup installation. The following screen appears.

6. Click on NO to manually select the type of hardware you want to install.

7. Click on Next to continue the hardware setup installation. The following screen appears:
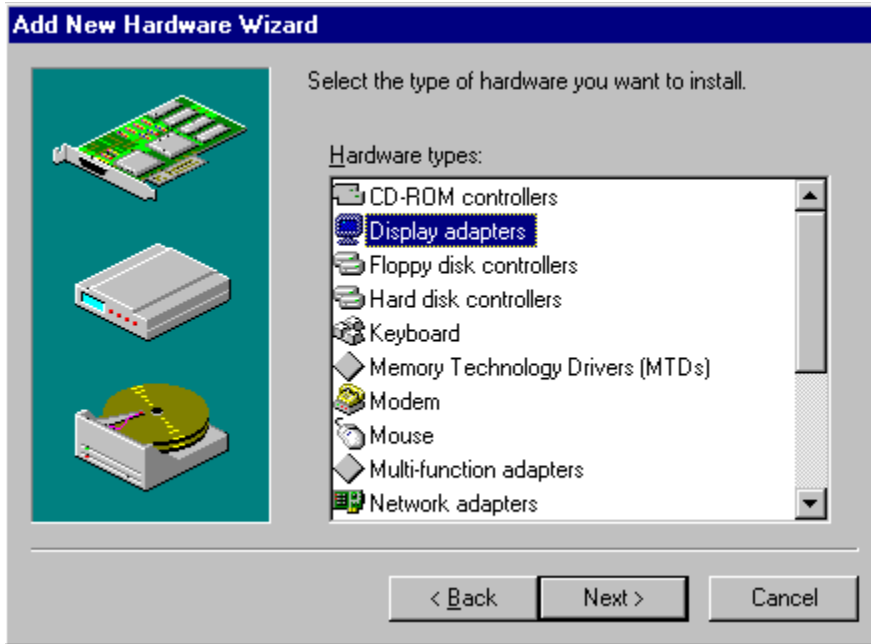
8. Select Display Adapters from the list of Hardware Types, then click on Next. The following screen appears:
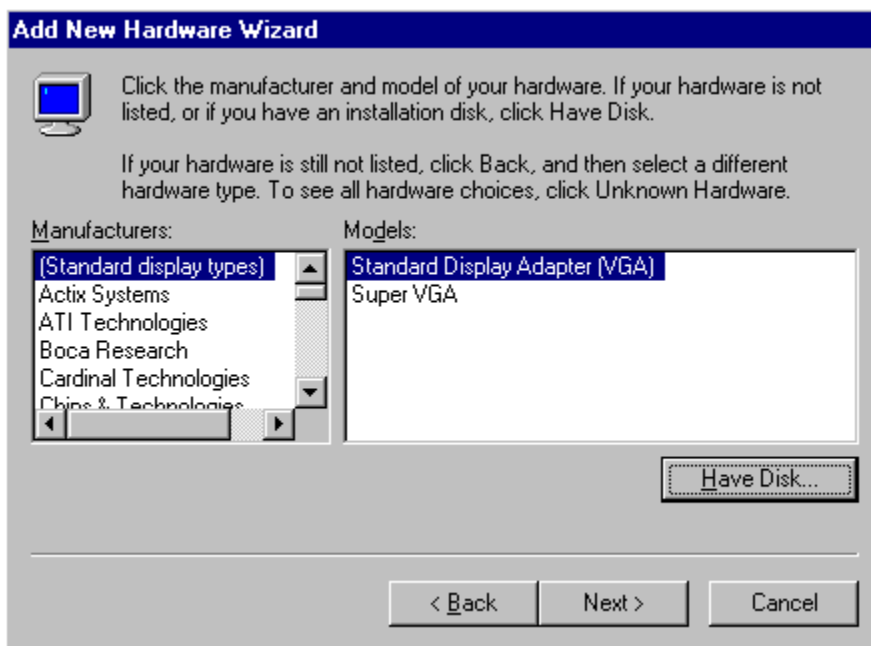
9. Insert the Kelvin Video64 Disk 1 into your floppy drive.

10. Click on the Have Disk button to install from the   Kelvin Video64 disk.

11. Click on OK to select the Orchid Technology Kelvin Video64 selection.

12. Click on Next to begin the installation.

13. Click on Finish to complete the driver installation.

Configuring Your Video Display Driver

1. From the Windows 95 desktop, click on the Start button and select Setting.

2. Select the Control Panel.

3. From the Control Panel group, double-click on Display.

4. Click on the Settings tab from the Settings screen.

5. Click on Change Display Type.

6. From the Change Display Type screen, click on Change.

7. Select the Orchid Kelvin Video64 display adapter and click on OK.

8. The program will return to the Change Display Type screen. Select your monitor type if you have not already done so.

9. Click on Close to complete the display adapter configuration.

10. From the Settings screen select your display resolution and colors.

11. Click on Apply to restart Windows 95 for your changes to take effect.

XINGMPEG PLAYER

The XingMPEG Player utility allows you to control the playback of MPEG files. The XingMPEG Player features: VCR-style controls for playing MPEG files, flexible display modes and Diagnostic and Benchmark tools. Also included is the XingMPEG Saver, a Windows-compatible screen saver that prevents monitor burn-in by playing MPEG files.

Windows 3.1x
Software Installation

1. Start Microsoft Windows.

2. From the Program Manager File menu, choose Run.

3. Insert the XingPlayer disk into your floppy drive and type: A:\SETUP.EXE. Click on OK. The following screen appears:

The XingMPEG Driver is required to play MPEG files from any application. The XingMPEG Player allows you to play an MPEG file. The XingMPEG Saver is only needed if you want to use the MPEG screen saver.

4. Select the options to install and click on OK.

5. Type the software installation location or accept the default.

6. The installation program will copy the program files to the selected directory location.

Windows 95
Software Installation

1. Start Microsoft Windows 95.

2. From the Windows 95 desktop, click on the Start button and then click on Run.

3. Insert the XingPlayer disk into your floppy drive and type: A:\SETUP.EXE. Click on OK.

4. The installation program will copy the program files to your hard drive and update your system files.

5. Once the installation is complete, the XingMPEG Player item is installed in the Program group.

AUTOCAD RELEASE 11

1. From the \ACAD directory, type ACAD.

2. Select Configure AutoCAD.

3. Select Configure Video Display.

4. Select ADI P386 v4.0/4.1 display. The MasterCAD for Kelvin configuration menu will be displayed.

5. Choose a resolution mode.

6. If your system is capable of dual screen operation, you will be asked if you wish to use this option.

7. Select the menu colors for the menu screen.

8. Select the display list options desired.

9. Enable and select the Erase-buffer size if "flash-less" redrawing is needed for editing.

10. Choose the sensitivity setting for the Page-Alarm.

11. Enable or disable the Edge-pan option.

12. Enable the Bird's-eye feature and select a size. The size is the percentage of the total screen size.

13. Configure the digitizer or mouse button to use for entering commands. It is recommended to use the transparent Bird's-eye command "aqbird." This will allow you to change the location inside a drawing while in the middle of an AutoCAD command.

14. Exit the Configuration Menu.

15. Configure the pointer (mouse or tablet), printer and plotter as needed.

16. Return to the AutoCAD Main Menu and save the configuration.

AUTOCAD RELEASE 12 AND 13

1. After the driver is installed, the following statement will be added to your AUTOEXEC.BAT file: Set ACADDRV=C:\ACAD12\DRV

2. From the \ACAD12 directory, type ACAD -r.

3. Select the MasterCAD for Kelvin video display driver. The Kelvin configuration menu will be displayed.

4. Choose a resolution mode from the menu.

5. Select a font from the fonts list.

6. If your system is capable of dual screen operation, you will be asked if you wish to use this option.

7. Select the menu colors for the menu screen.

8. Select whether or not you wish to use the Flip Screen feature. If enabled, this feature allows the AutoCAD text screen to appear in the center of the graphics screen, and will eliminate the mode switching delay common to most multifrequency monitors. If you are using a TSR product that pops up into the screen during AutoCAD sessions (such as a   calculator or plot spooler) you should not use this option.

9. Choose the Display List options desired.

10. Enable and select a size for the erase-buffer if you wish to have "flash-less" redrawing when editing your drawings.

11. Choose a sensitivity setting for the Page-Alarm.

12. Enable or disable the Edge-Pan feature. Later changes to the Edge-Pan setting can be made within AutoCAD.

13. Enable the Bird's-eye feature and select a size. The size is the percentage of the total screen size.

14. Configure the digitizer or mouse button to use for entering commands. It is recommended to use the transparent Bird's-eye command "aqbird." This will allow you to change the location inside a drawing while in the middle of an AutoCAD command.

15. Exit the Configuration Menu.

16. Configure the pointer (mouse or tablet), printer and plotter as needed.

17. Return to the AutoCAD Main Menu and save the configuration.

3D Studio 2.0, 3.0 and 4.0

1. From the \3DS directory, edit the 3DS.SET file.

2. Change the line that reads:

    DEFAULT-DISPLAY = VGA320X200
    to read:
    DEFAULT-DISPLAY = RCPADI

3. Change the line reads:

    MAIN-DISPLAY =
    to read:
    MAIN-DISPLAY = RCPADI

    NOTE: Delete any leading semicolon (;) that may be present.

4. Change the line reads:

    MATERIAL-DISPLAY = VGA320X200
    to read:
    MATERIAL-DISPLAY = RCPADI

5. Save the file and exit the editor.

6. From the \3DS directory, delete the 3DADI.CFG file, if present.

7. Start 3D Studio by typing 3DS.

8. Select a resolution mode for the ADI Main Display. This is the mode that will be used for 2D Shaper, 3D Lofter, 3D Editor and Keyframer. There is no benefit to selecting a very high resolution mode, as these screens will not use any more than 16 colors.

9. Select a resolution for the ADI MEDIT. This must be a 256 color mode. Use of a resolution greater than 640 x 480 will not increase the usefulness of the Materials Editor.

10. Respond NO to the question: Will RDPADI render to a separate screen?

11. The first time you try to render a drawing or view an image, you will be asked to select a resolution for the Rendering Device. If you select the 32768 or 65535 color modes, you will be asked if you wish to enable the Band-Free mode. This allows the best color quality possible in 15 or 16 bit modes. Select Low, Medium or High.

12. Respond to the question: Will RCPADI render to a separate screen? If using the driver for an 8514/A, respond YES, for all others, respond NO.

13. Select a resolution mode for the Rendering RCPADI Device. If you select the 32768 or 65535 color modes, you will be asked if you wish to enable Band-Free mode. This allows the best color quality possible in 15 or 16 bit modes. Select Low, Medium or High.

MICROSTATION

1. From the \USTATION directory, type USCONFIG.

2. Highlight the Display Adapters option. Press the ENTER key to display the Right Screen Graphics Adapter menu.

3. From the list of available display drivers, highlight Vendor Supplied Driver and press ENTER. Next highlight panaStation from the list of vendor supplied drivers. Press ENTER to continue to the Left Screen Graphics.

4. If you are configuring a single monitor system, highlight No Second Adapter and press ENTER to display the Virtual Swap Screen dialog box.   When using panaStation, MicroStation's Virtual Swap Screen feature is available. On graphics cards using dual page memory switching, the page swap is performed using the graphics card hardware. On all other graphics cards, the page swap is simulated by panaStation.

5. Respond Y or N to the question: Do you want to disable the virtual graphics page? Once the Swap Screen question has been answered you will return to the Main Configuration menu.

6. If you are configuring a dual monitor system, highlight Vendor Supplied Driver from the list of available display drivers. As with the Right Screen Graphics Adapter, highlight panaStation, by Panacea, Inc. from the list of vendor supplied drivers. Press ENTER to return to the main configuration menu.

7. At the main menu, highlight Exit and Save to exit the USCONFIG program and return to the DOS prompt. The panaStation drivers are now installed on your computer.

8. Restart your computer for the changes to take effect.

9. From the \USTATION directory type: USTATION to start MicroStation. The welcome screen should appear. If it does not, be sure you have properly selected panaStation from the list of vendor supplied drivers and that you have restarted your computer.

10. From the welcome screen press any key to continue to the Left Screen Main Configuration menu. You will need to configure panaStation for use with your Kelvin Video64 card and select the resolution under which to run MicroStation.

11. Highlight Select Graphics Board/Resolution and press ENTER to display the Select Graphics Board/Resolution menu.

12. The Select Graphics Board/Resolution menu configures panaStation settings for graphics card/type, display and rendering resolutions. Choose Select Graphics Board to manually select the Kelvin Video64 graphics card. A list of options is given, based on the findings of panaStation's built-in graphics platform detection utility. Use the PgUp and PgDn keys to scroll through the list and highlight Kelvin Video64. Press ENTER to accept your choice and return to the Select Graphics Board/Resolution menu.

    NOTE: Before selecting a Display or Rendering resolution, be sure to use only resolutions that your Kelvin Video64 memory configuration supports.

13. Choose Select Display Resolution to configure the display/rendering resolution of your

MicroStation screen. Use the PgUp and PgDn keys to scroll through and highlight the resolution and color option you wish to use. Press ENTER to accept your resolution choice and return to the Select Graphics Board/Resolution menu.

14. The panaStation feature allows you to adjust the aspect ratio of your MicroStation screen. To change the default aspect ratio, select the Adjust Aspect Ratio menu and measure, in millimeters, the height and width of the Aspect Ratio dialog box. Enter the measured values in the corresponding height and width data boxes. Highlight Return to Previous Menu and press the ENTER key to return to the Main Configuration menu.

15. When configuring a dual screen MicroStation configuration, panaStation prompts you to select a monitor to display text and a monitor to display graphics. To designate a monitor for text, select the Dual Screen Configuration menu. Choose Left if you want text to appear on the monitor configured as MicroStation's Left screen, or choose Right if you want text to appear on the monitor configured as the Right screen. Highlight Return to Previous Menu and press ENTER to return to the Main Configuration menu.

16. When configuring a dual monitor system a Right Screen Main Configuration menu will be displayed. Configure for the second screen as you did for the Left Screen above.

17. Once all of the panaStation parameters have been configured, select Save and Exit to save the configuration information. The configuration program will create PANACFG1.DAT for single screen configurations and PANACFG2.DAT for dual screen configurations and store the files in the \USTATION directory. After the PANACFG files have been created, MicroStation will start with the newly selected panaStation resolution.

    If panaStation has already been configured, MicroStation will ask whether you would like to reconfigure. Enter Y to go to the panaStation Main Configuration Menu or N to start MicroStation. If you start MicroStation from a directory other than \USTATION, PANACFG files will be created in that directory.

XINGMPEG PLAYER UTILITY

Open the XingMPEG Player program group. Double-click on the XingMPEG Player icon. The following screen appears:

Opening a File

1. From the File menu, click on Open.

2. Select the drive and directory where the file is located.

3. Click on the List Files Of Type box and choose a file format.

4. Select a filename and click on the OK button.

5. After opening an MPEG file, use the   button to begin playback. To stop playback, click on the button.

6. To play a file in a continuous loop, select the Auto Repeat Option from the Playback Settings menu.

Setting the Playback Options

You can control several playback options through the Settings menu. The options are:

Audio - controls the volume of the file.

Playback - opens the Playback options menu.

Diagnostics - opens the Diagnostics options menu.

NOTE: Refer to the XingMPEG Player Help file for more information.

INTRODUCTION

Kelvin Video64 comes with MasterCAD display drivers for AutoCAD ADI, 3D Studio ADI and MicroStation applications. The drivers are installed using the INSTALL program.

NOTE: For details on the MasterCAD display drivers, refer to the MasterCAD text file on the Kelvin Video64 disk.

WINDOWS DISPLAY SETUP

The Display Setup utility allows you to select the resolution and colors for your display, the type of monitor and enable or disable the Virtual Desktop feature.

1. From the Orchid Setup control panel, click on the Display tab. The following menu screen appears:
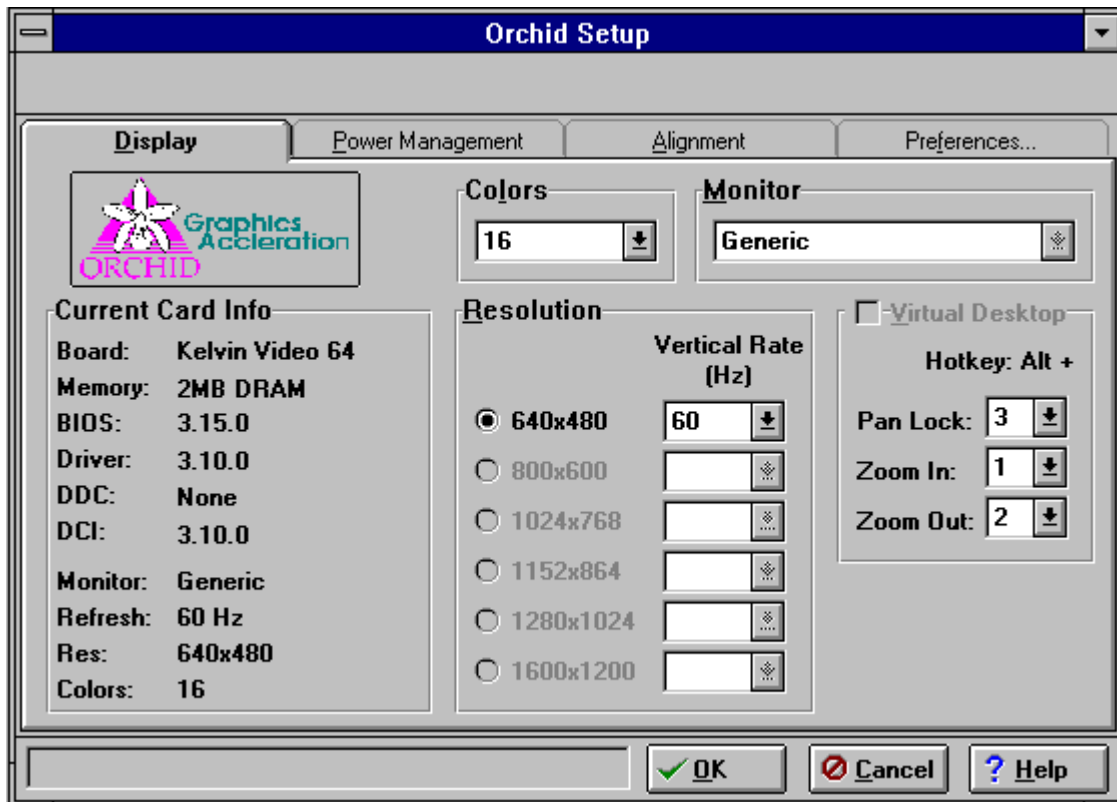
NOTE: Before selecting the values for your monitor, consult your monitor's reference guide for the resolutions and vertical refresh rates available.

2. Make your desired selections and click on OK to save your new settings.

VIRTUAL DESKTOP FEATURE

You can use Virtual Desktop to create a larger desktop workspace. With Virtual Desktop, your mouse movement automatically pans the desktop to give you access to any part of your document or window without resizing or using scroll bars.

This is an ideal solution for spreadsheet or desktop applications. A large area of display can be panned and viewed by simply moving your mouse. Virtual Desktop doubles your workspace by transforming your standard VGA monitor into a virtual display with the maximum resolution available. Virtual Desktop supports the 640x480, 800x600 and 1024x768 resolutions in 256K colors and up.

1. From the Display menu screen, select one of the supported resolutions. The following screen appears:
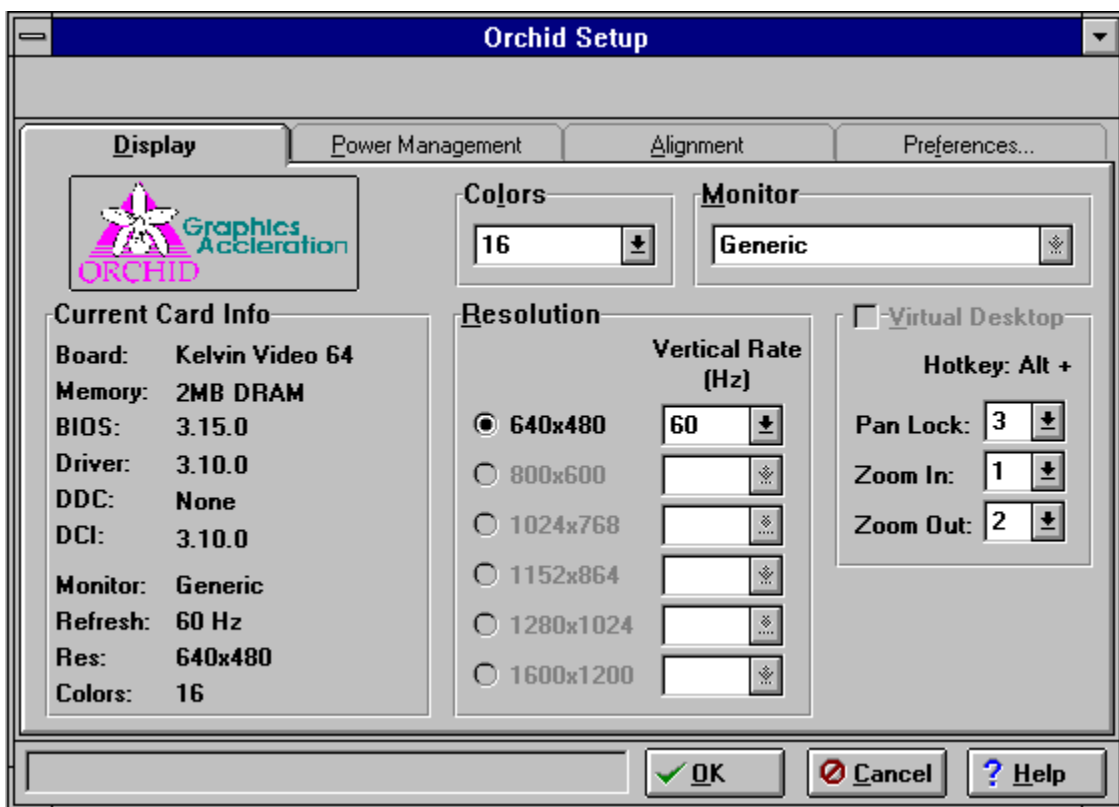

2. Click on the Virtual Desktop box to enable the option (the selections are grayed out until you do so).

3. Choose a Pan Lock (Hot-Key) combination from the pull-down menu to lock the display (prevent it from moving when your mouse reaches the edge).

4. After making your selections, click on the OK button to save your new settings. Once you exit the Orchid Setup utility the Hot-Key is enabled.

POWER MANAGEMENT FEATURE

Use this utility for power savings on your Green PC monitor while your monitor is inactive. When you use Power Management with a Green PC monitor or other type of monitor, the screen saver will appear as a blank screen. *NOTE:* Make sure your monitor supports the Green PC standard before selecting the options. Consult your monitor's reference guide.

1. Double-click on the Orchid Setup icon and the Display menu screen appears. Click on the Power Management tab. The following screen in appears:
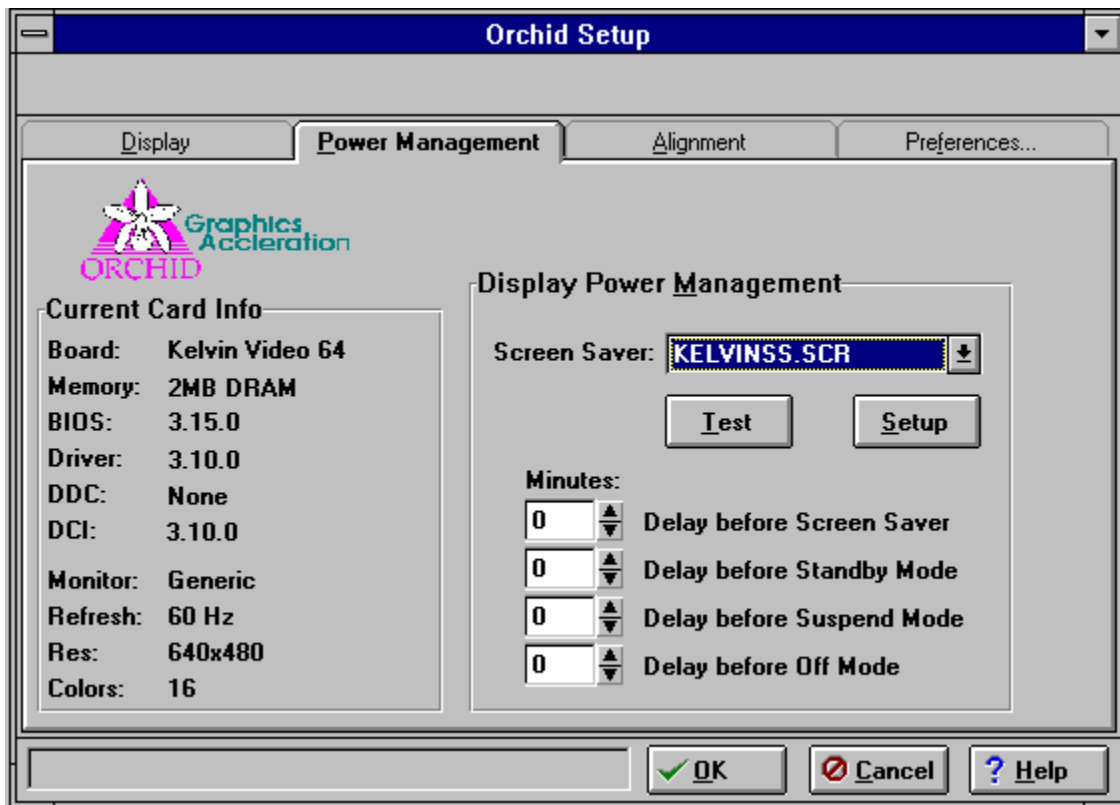
2. Click on the Screen Saver pull-down list to select one of the screen savers provided with Windows 3.1x.

3. Click on the Setup button to configure the settings for the screen saver. Click on OK to save the settings.

4. Click on the Test button to test the screen saver.

5. Set delays for the Power Management modes. Select the delays by clicking on the arrows to increase or decrease the number. Click on the Test button to test the DPMS mode.

6. Click on OK to save the settings.

NOTE: For more information on the Power Management feature, refer to Appendix B.

ALIGNMENT FEATURE

This utility allows you to center your display horizontally and vertically. You can use the alignment utility or your monitor's centering controls to center your display. *NOTE:* You should not attempt to adjust your monitor both ways.

1. Double-click on the Orchid Setup icon and the Display menu screen appears. Click on the Alignment tab. The following screen appears:
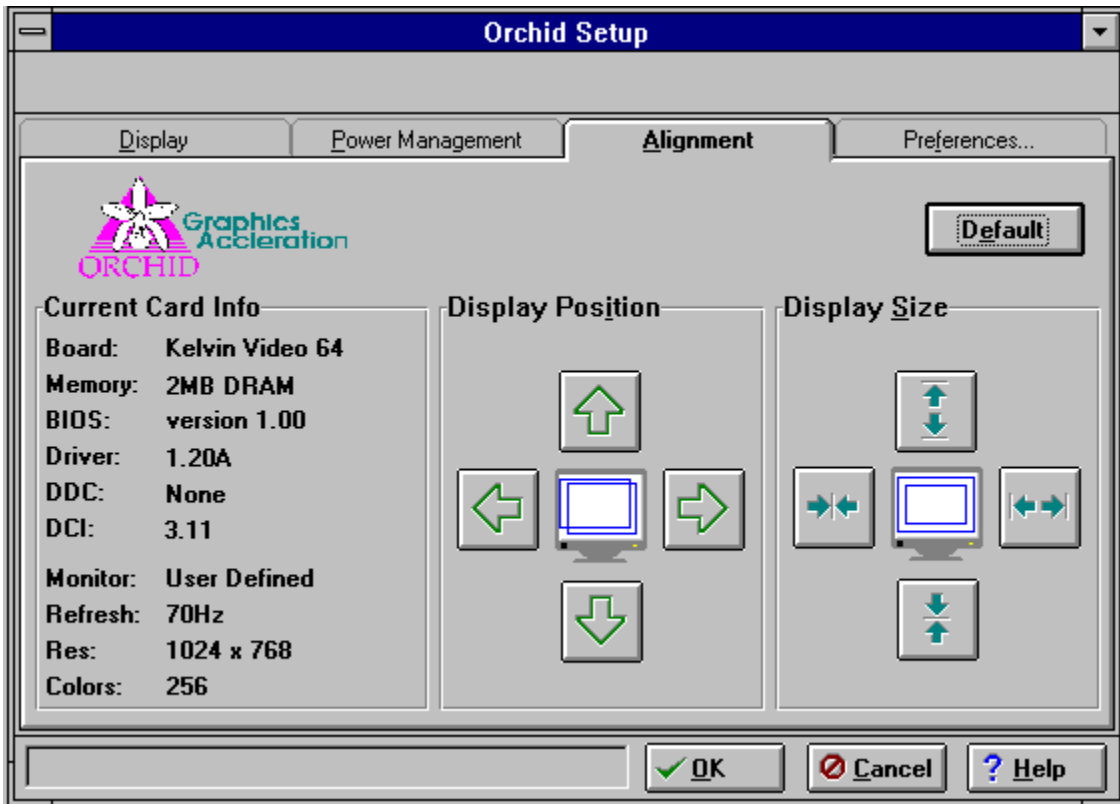

NOTE: If you center the screen off the side of the display, press ESC to restore the screen back to normal.

2. The Display Position option allows you to adjust the screen horizontally or vertically. Use your mouse pointer to adjust the display. You can click on the default button at any time to restore the previous settings.

3. The Display Size option allows you to increase or decrease the picture size. Use your mouse pointer to adjust the display. You can click on the default button at any time to restore the previous settings.

4. Once you have made your selections, click on OK to save your new settings.

PREFERENCES FEATURE

You can use the Preferences utility to select a desktop font, cursor color, font size and enable or disable the font cache. *NOTE:* When the font cache selection is ON, a reserved section of system memory is used to store font information. The maximum memory usage is about 400KB.

1. Double-click on the Orchid Setup icon and the Display menu screen appears. Click on the Preferences tab. The following screen appears:
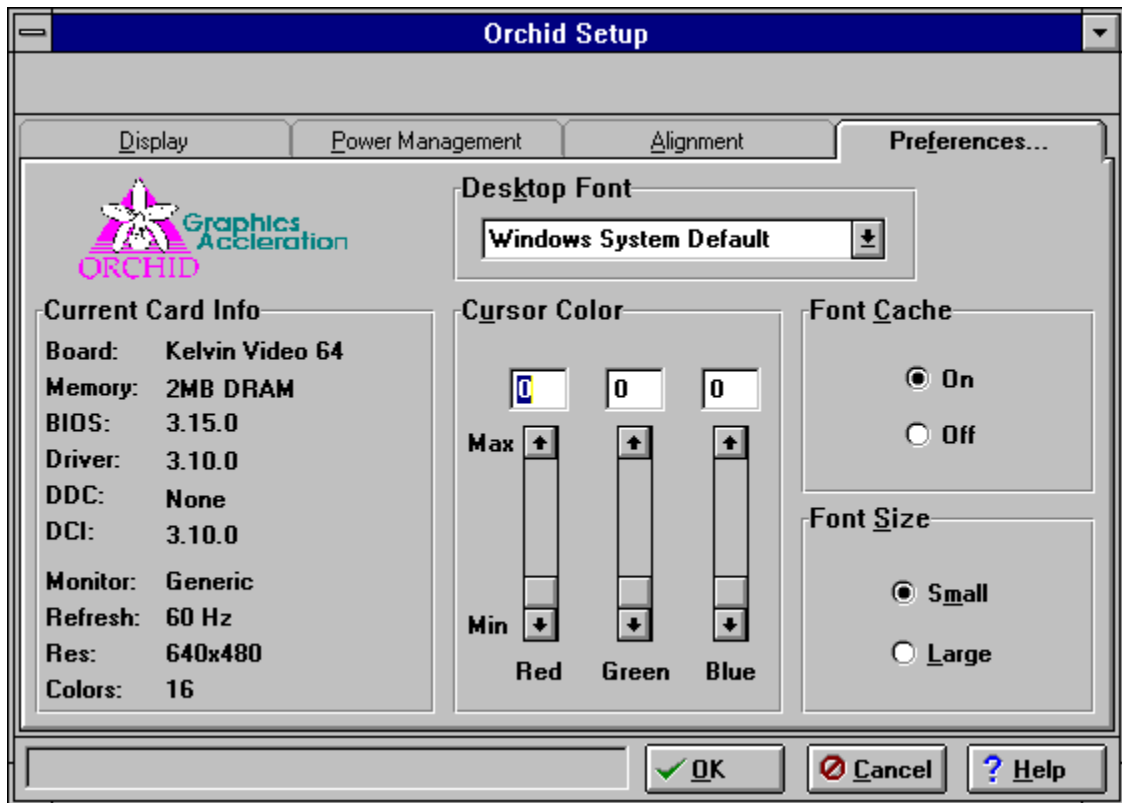
2. Once you have made your selections, click on OK to save your new settings.

DISPLAY

Use Display Setup to select the resolution and colors for your display, the type of monitor and enable or disable the Virtual Desktop feature.

POWER MANAGEMENT

Use Power Management for power savings on your Green PC monitor while your monitor is inactive. When you use Power Management with a Green PC monitor or other type of monitor, the screen saver will appear as a blank screen.

ALIGNMENT

Use Alignment to center your display horizontally and vertically. You can use the alignment utility or your monitor's centering controls to center your display. NOTE: You should not attempt to adjust your monitor both ways.

PREFERENCES

Use the Preferences utility to select a desktop font, cursor color, font size and enable or disable the font cache.

COLORS

Select the number of colors to display for the resolution you choose.

MONITOR

Select your monitor type from the pull-down menu.

RESOLUTION

Select the video resolution desired.

VERTICAL RATE

Select the vertical refresh rate for your monitor.

VIRTUAL DESKTOP

Use Virtual Desktop to create a larger desktop workspace. The desktop size is determined by the resolution you choose.

OK

Click on the OK button to save your selections and exit the menu.

HELP

Click on the Help button for on-line help.

CANCEL

Click on the Cancel button to discard your selections and exit the menu.

HOTKEY: ALT +

You can configure a HotKey sequence using the ALT key plus a number to configure for Pan Lock, Zoom In and Zoom Out selections. These selections are grayed out if Virtual Desktop is unchecked.

DEFAULT

Click on the default button at any time to restore the previous settings.

DISPLAY POSITION

This option allows you to adjust the screen horizontally or vertically.

DISPLAY SIZE

This option allows you to increase or decrease the picture size.

DESKTOP FONT

Select a font for your desktop.

CURSOR COLOR

Select a cursor color for your desktop.

FONT CACHE

Enable or disable the font cache.   When the font cache is ON, a reserved section of system memory is used to store font information.

FONT SIZE

Select a size for your desktop font.

TEST

Click on the Test button to test the screen saver.

SETUP

Click on the Setup button to configure the settings for the screen saver.

SCREEN SAVER

Select one of the screen savers provided with Windows 3.1x.