

## **Orchid Video Display Setup Help**

Orchid's **NEW** Video Setup Utility for the Fahrenheit 1280 will assist in the configuration of the Orchid HyperDriver for Windows 3.0 & Windows 3.1.

The Orchid **HyperDriver** is a unique display driver developed by Orchid Technology to offer one driver which provides all video resolutions and colors in one driver program file.

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Fahrenheit 1280 Super VGA Accelerator is a product of Orchid Technology.

MS Windows is a trade mark of Microsoft Corporation.

## **Configure Display Driver**

### **Installation with a Mouse**

Orchid's Setup Utility will help you select different resolutions, colors and font sizes in Windows 3.x. To make your selection, use the mouse to click on an item. When the RESTART button is pressed, your changes will take effect.

### **Installation with a Keyboard**

Use the TAB key to toggle from one group to another. Within each group, use the UP and DOWN arrow keys to make a selection. When the RETURN key is pressed, your changes will take effect.

### **Note**

When the Orchid Setup Utility is configuring the driver, it may ask you to insert the Orchid Disk or a Microsoft Windows Disk in drive A to complete the installation. If you cancel the program before completing this task, your previous settings will remain in effect.

## Resolutions and Colors

Resolution is the number of horizontal and vertical pixels that can be displayed on your screen. In other words, a higher resolution will display more picture information than a lower resolution.

Color is the number of colors that can be displayed on the screen at one time. More colors will make the display more realistic.

Depending on the amount of the Video Memory installed in the video board, the Fahrenheit 1280 HyperDriver provides the following capability.

Resolution	Colors	Video Memory Required
640 x 480	256	512 KB
640 x 480	32768	1024 KB
640 x 480	65536	1024 KB
640 x 480	16.8 mil.	1024 KB
800 x 600	16	512 KB
800 x 600	256	1024 KB
1024 x 768	16	512 KB
1024 x 768	256	1024 KB
1280 x 960	16	1024 KB

### Note:

The Fahrenheit 1280 has a small, four position, switch block located near the mounting bracket. These switches are pre-set to provide the best compatibility for most monitor types, but you should check these switches to ensure that they are configured correctly for your computer. Your monitor's reference booklet will provide you with the correct vertical refresh rate and maximum resolution supported by your monitor.

Orchid's DOS utility, FSCAN.COM, provided in the Fahrenheit Disk, can be used to check your monitor's capability. However, DO NOT run FSCAN.COM inside Windows using the DOS shell. To run FSCAN, exit Windows, then type:

```
FSCAN -x <drive> :   <Enter> where "x" is,  
-i <drive>       :   Installs FSCAN on specified drive  
-u <drive>       :   Uninstalls FSCAN on specified drive  
-ON              :   Activate FSCAN  
-OFF             :   Deactivate FSCAN  
-s              :   Status of FSCAN
```

For more information on FSCAN, please refer to the Fahrenheit 1280 User's manual.

## Pixels

A pixel is defined as a dot that you see on the screen.

### Video Memory

The video display buffer is used to hold images that will be displayed on the monitor. The Fahrenheit 1280 is shipped with either 512 KB or 1 MB video memory on board.

## **Font Sizes**

Font Sizes control the size of the letters on the title bar, menu and icon text. The Fahrenheit 1280 Windows driver allows you to choose either small or large size fonts in the following resolutions:

800 x 600  
1024 x 768  
1280 x 960

In high resolutions such as 1024 x 768, larger fonts provide easier to read text.

Small size fonts -- The original VGA display fonts with 96 dots per inch in the X and Y direction.

Large size fonts -- The 8514/A display fonts with 120 dots per inch in the X and Y direction.



## **Orchid Products**

Orchid Technology is a leading manufacturer of hardware and peripherals for personal computers. Since its incorporation in 1982 it's been at the forefront of the personal computer industry with its introduction of exciting and new products. The following is a list of the products we currently manufacture:

### **Fahrenheit 1280**

The Fahrenheit 1280 is the next generation Super VGA graphics adapter. Its Graphics Accelerator technology provides for faster Windows and CAD video performance. The Fahrenheit 1280 offers video resolutions to 1280 x 1024 at 72Hz vertical refresh rate and up to 16.8 million colors.

### **ProDesigner IIs**

The ProDesigner IIs, an industry standard, delivers outstanding cost vs. performance at resolutions to 1024 x 768 and colors to 32,768 with refresh rates at the ergonomically pleasing 72Hz.

### **ProDesigner IIs/D**

The ProDesigner IIs/D delivers all the features and capabilities of the ProDesigner IIs, but at twice the speed. The ProDesigner IIs/D is custom designed to work with the Orchid Superboard 486. The ProDesignerIIs/D will plug into the Superboard's local bus slot which bypasses the AT bus and connects directly to the Superboard's CPU.

### **ProDesigner IIs/EISA**

The ProDesigner IIs/EISA is a 1MB Super VGA graphics adapter for high performance EISA personal computers. The ProDesigner IIs/EISA comes ready out of the box to provide all SVGA high resolutions and colors you've come to expect from Orchid.

### **ProDesigner IIs/MC**

The ProDesigner IIs/MC, a high performance SVGA adapter based upon the same proven design as the Pro IIs, offers owners of IBM PS/2 Micro Channel personal computers, and 100% compatibles, the performance and high colors owners of the Orchid ISA and EISA video adapters have come to appreciate.

### **RamQuest 8/16**

The RamQuest 8/16 is an ISA memory card that is expandable to 32MB. The RamQuest 8/16 installs in less than 3 minutes on your IBM PC, XT, AT and compatibles. Extended and expanded memory are supported for maximum compatibility.

### **RamQuest 16/32**

The RamQuest 16/32 is a Micro Channel memory card that is expandable to 8MB. The IBM PS/2 Model 50, 55sx, 60, 70, 80 and 100% compatibles are supported. The RamQuest 16/32 installs in less than 10 minutes and provides up to a 50% increase in performance. Delivers true 32-bit memory with correct memory configuration.

### **Superboard 486**

The Superboard 486-33, 50 MHz (DX) motherboards have a proprietary 32-bit Local Bus slot for Orchid D-Series video cards. With our D-Series video cards, our Superboards provide 32-bit data transfer at CPU speeds.

### **Privilege 386-40C Motherboard**

The Privilege 386-40C features the AMD 386-40MHz processor, on-board diagnostic LED and AMI BIOS. Ships with 128K of memory cache that's upgradable to 256K. Maximum 32MB of on-board DRAM.

## **Technical Support**

Orchid Technology makes every effort to provide a trouble free product. If you find you need assistance, please call upon our technical support department and have one of our experienced technicians assist you. Free technical customer assistance is available Monday-Friday from 7am - 5pm Pacific Standard time.

Phone : (510) 683-0323  
Fax : (510) 683-0355

You can also write to our technical support department at the following address:

Orchid Technology  
ATTN: Technical Support  
45365 Northport Loop West  
Fremont, CA 94538

### **Bulletin Board Service (BBS)**

Orchid's 16 line BBS is available 7 days a week, 24 hours a day, for Orchid users who want the latest up-to-date drivers. Set the modem to 8 data bits, 1 stop bit, and no parity (N-8-1). YMODEM and ZMODEM are the recommended file transfer protocols. Connect to the Orchid BBS by dialing the following numbers:

2400 Baud	:	(510) 683-0327
9600 Baud	:	(510) 683-0555

