

## LC03v VFD Manual

### Features

1. Contrary to past solutions, where proprietary hardware and software are required to display system information outside the computer monitor, SilverStone's new VFD module utilizes widely available software on the internet to deliver highly customizable system information display.
2. VFD (Vacuum Fluorescent Display) is a self-illuminating display that is superior to the traditional LCD in brightness, viewing angle, and clarity. The color of the display can also be changed easily by using different colored window panel in front of the VFD.
3. VFD has low power consumption and long life. Its reliability is great for continuous 24 hour running of crucial system information.
4. SilverStone's VFD module uses parallel port connector, which supports the majority of motherboards currently available on the market.
5. The LC03v, with SilverStone's VFD module, is a high quality chassis that can be elegantly integrated into any type of application and environment.

### VFD Hardware Installation & Setup

1. Make sure your computer is turned off.
2. Connect the data cable to the back of your system's available Parallel (LPT or printer) port.
3. Connect the 4 pin connector from the data cable to your power supply.
4. Turn on your computer and enter the BIOS menu (please refer to your motherboard manual). In the menu screen make sure to change the Parallel (LPT) port setting to **EPP** only.

### Software Download and Installation (Windows 95/98/ME/NT/2K/XP & internet connection required)

1. Download driver file Windows 95/NT Port I/O Driver (port95nt.exe) from:  
<http://www.driverlinx.com/default.htm?ID=1080760059429>

- a. Go to "Downloads"
  - b. Scroll down and click on ".exe" under Windows 95/NT Port I/O Driver
  - c. Complete the download request form and click on the "Submit" button to download the file.
2. Install the downloaded port driver software and restart your computer
  3. Download the latest version of LCD Smartie (for example, smartie52.zip) from:  
<http://lcdsmartie.sourceforge.net>
  4. Unzip the downloaded file
  5. Open the extracted folder and click on Smartie.exe file to open LCD Smartie status screen
  6. Click "Setup" on the status screen to open the setup menu
  7. Adjust the following values and click "Apply":  
Scroll interval = 300  
LCD Size = 2 x 16  
LCD Settings = Parallel (HD44780)
  8. You can now start programming your VFD

### **LCD Smartie Features**

1. Sysinfo - Displays information such as CPU model/speed/utilization, memory capacity/usage/utilization, hard drive capacity, etc...
2. Winamp - When used in conjunction with Winamp software MP3 player, displays song title, play time, song number, and equalization information.
3. Network Stats - Displays network activity, download/upload speed, and other network information.

For additional information or instruction on how to operate LCD Smartie, please visit LCD Smartie's homepage at:

<http://lcdsmartie.sourceforge.net>