

Congratulations on purchasing your Virtual DVD Server™ from Academy Computer Services, Inc. This system takes up a small amount of space, but replaces millions of pages of text. Gigabytes of information are less than a second away. Your new server system features:

- High Speed DVD-ROM drive drives fully compatible with ISO 9660.
- Zerver CPU with 10/100Base-T Ethernet connection for fast network access.
- Large RAM cache and powerful Bay PC processor.
- Up to 1000 users.
- Tower enclosure with ample power for all drives and cooling fans for long drive life.
- DVDs up to 17.8 GB are supported.
- CD-R Support



WARNING : Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This manual explains how to install your new Virtual DVD Server™. You will need to:

1. Unpack and check the shipment.
2. Connect the unit to the network.
3. Image CDs and DVDs for network access.
4. Make imaged discs available for network access.

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Unpacking the Virtual DVD Server™

Carefully unpack your shipping box:



WARNING: Server units can weigh as much as 30 pounds and should be lifted by two individuals. Observe the practice of bending the knees, not the back. Be certain both people have a firm grasp on the unit itself, not just the plastic wrap or other packing materials. Such materials will slide over the component and could cause the unit to drop. Dropping the tower will result in equipment damage and possible personal injury.

Check to see that the shipment is complete.

Virtual DVD Server™

Large box:

Virtual DVD Server™

Accessory Bag:

Black Power Cord

SCSI Terminator

Category 5 Ethernet Patch Cable w/ RJ45
connector

Microtest DiscZerver™ Technical Guide

w/ DiscZerver™ Technology Companion CD

This Installation Guide

Figure 1, Package Contents

Place your server on a sturdy, flat surface. Academy recommends placement off the floor away from possible dust contamination. If your package is incomplete or irregular in any way, please contact Academy without delay at **800-385-6442**.



WARNING: Before working with your computer or tower, unplug all units from their power receptacles. Failure to do so will result in personal or equipment injury. Also, to avoid static shock damage to either tower or computer, touch a bare metal portion of that system's chassis before touching any electronic component. Failure to do so could damage the equipment.

Connecting to the Network

System Prerequisites

You will need the following network components:

- Windows 95™, Windows NT™, Novell NetWare™, UNIX™, or Macintosh™ network using 10/100Base-TX
- TCP/IP enabled on the workstation that will administer the Virtual DVD Server™.
- An Internet web browser loaded on the administration workstation.
- Ethernet patch cable to attach the Virtual DVD Server™ to the network.
- If EasyImage remote-imaging software is to be used a workstation running Windows 95, NT3.51 or NT 4.0™ is needed.

Physical Connection

1. Insert the Category 5 Ethernet patch cable into the RJ-45 connector at the rear of the Virtual DVD Server™. Insert the other end into a network hub.
2. Connect the power cable to the Virtual DVD Server™ and plug it into the power strip or outlet. Use of a surge protector is strongly recommended for long system life.
3. Insert the SCSI Terminator into the External SCSI port of the Virtual DCD Server™. Snap the side wing slips into place to secure the terminator.
4. Turn on the Virtual DVD Server™.

Front Panel Indicator Lights

There are four LEDs on the front panel of the Zerver CPU: Status, Network, 10/100, and Drive.

The Status LED will cycle from red to amber to green during the system boot process. If the Virtual DVD Server™ is unable to dynamically acquire an IP address via DHCP, BOOTP, or RARP this LED will slowly blink amber to indicate that the default IP address of 10.10.10.10 is in use. If an IP address was attained dynamically, or if a static IP address has been assigned this LED will remain green.

The Network LED blinks amber to indicate the Virtual DVD Server is transferring data. It will blink green to indicate external network traffic.

The 10/100 LED is solid amber when the Virtual DVD Server is on a 10BaseT network. It is green when the unit is on a 100BaseT network.

The Drive LED blinks to indicate hard drive activity. It will be green if an IDE drive is in use, amber if a SCSI drive is being accessed.

Initial Setup

Windows 95/98/NT

Administration Requirements

The Virtual DVD Server™ will dynamically acquire an IP address if your network currently uses DHCP, BOOTP or RARP. If none of these are present your Virtual DVD Server™ will default to an IP address of 10.10.10.10. To modify this number for your network needs you must:

- Be a Windows 95™, or NT 3.51™ or NT 4.0™ workstation.
- Be on the same subnet as the Virtual DVD Server™.
- Be using the TCP/IP protocol.
- Know the name of the Virtual DVD Server™. This name is located on the back of the unit.
- Know the IP address that you wish to assign to the Virtual DVD Server™.

Assigning an IP Address

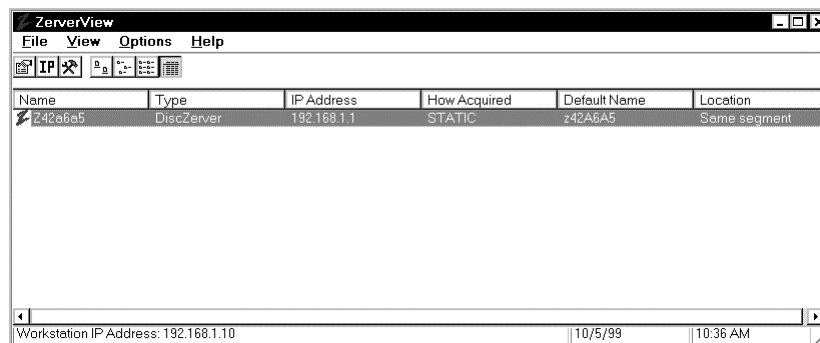
There are two methods that may be used to assign the IP Address of the Virtual DVD Server™: using a Web Browser or using the ZerverView software. Both methods are discussed below.

Web Browser

1. Open the workstation web browser. Enter the default name of the Virtual DVD Server™ in the browser's address field. The end of the Virtual DVD Server™'s name will be the node address portion of the IP address that will be assigned to the unit. For example *http://Zxxxxxx_NN* or *http://Z123ab4_25*. The setup utility home page will open.
2. You will be required to login to the Virtual DVD Server™ with the default user and password of *admin* and *admin*.
3. The Setup Wizard page will open. This utility will not be seen again, unless the server is rebooted to its factory default settings. Make any changes necessary to this screen before clicking on the Next button.
4. The Networks Information page will open. Enter the appropriate information regarding the IP address and the Subnet mask for this unit.
5. Click on the Save button when finished.
6. When requested, click on Yes to reboot the Virtual DVD Server™. The unit will automatically reboot using the new IP address.

ZerverView software

1. Insert the DiscZerver Companion CD into the local workstation CD-ROM drive bay. If the CD does not autoload, browse the CD to locate and run **setup32.exe**
2. Select the Install ZerverView option.
3. Follow the screen prompts to install the program on the workstation. The workstation must be restarted for the ZerverView installation to be completed. You will be prompted to restart the PC.
4. After rebooting the workstation start the ZerverView program. As the program begins, the utility will browse the workstation's subnet to discover all Virtual DVD Servers™ on the subnet. When this discovery process is completed all Virtual DVD Servers™ are listed in the ZerverView window.
5. Highlight the Virtual DVD Server™ that is to be modified. Either click on the **IP icon**, or select **Set IP Address** from the **Options** menu.
 - 5.1. Enter the default username/password of *admin/admin* when prompted.
6. When the Set IP Address window opens, the following fields must be modified (minimum): **IP Address**,



Subnet Mask, and **Domain Name**. Any other fields may be modified as needed.

7. Click on the **OK** button. The Virtual DVD Server™ will reboot automatically, activating the new IP Address as it does.
8. After the Virtual DVD Server™ has rebooted, open a web browser. HTTP to the new IP Address of the Virtual DVD Server™. For example: **http://192.168.1.1**
 - 8.1. Enter the default username/password when prompted.
9. The Setup Wizard page will open. This utility will not be seen again, unless the server is rebooted to its factory default settings. Make any modifications to the information on the page and click on OK.
10. The Virtual DVD Server™ will reboot automatically. When the unit has completed the boot process, the Status LED on the front panel of the unit will be solid green. This indicates a static IP Address is active and the server is ready for use.

Apple Macintosh

Administration Requirements

The Administrator's workstation must be a Macintosh or Power Macintosh running Mac OS 7.5 or later (including OS 8.5) and AppleTalk must be active. The workstation also must have a web browser - Microsoft Internet Explorer (including 4.5 for Mac) or Netscape Navigator.

Assigning an IP Address

The Virtual DVD Server will acquire an IP address dynamically, using DNCP, BOOTP, or RARP. If these options are not available on the network, the unit will default to an IP address of 10.10.10.10. The unit's status light will slowly blink amber if the default IP address is in use. To manually assign an IP address, use the following steps from the Administrator's workstation.

Change the Administrator's Workstation IP Address

1. Select the **Apple** menu (click on the Apple symbol)
2. Select **Control Panels**
3. Select **TCP/IP**
 - 3.1. Change the *Connect via* option to the **NIC** (network card) being used to connect to the server.
 - 3.2. Change the *Configure* option to **Manually**
 - 3.3. Change the *IP address* to **10.10.10.x** (where x is any number from 1 to 254 excluding 10)
 - 3.4. Change the *Subnet mask* to **255.255.255.0**
4. Click on File and **Close**.
 - 4.1. **Save** the changes made to the configuration when prompted.

Change the Virtual DVD Server™ IP Address

1. Open a web **browser**
2. Enter the default address of the server **http://10.10.10.10**
3. The **Setup Wizard** will open
 - 3.1. The default User ID/password is *admin/admin*
 - 3.2. The first Setup page will open. Modify any portion of this screen, as desired. Click on **Next**
 - 3.2.1. The server name, system time, etc. can be changed on this page. The default admin password can also be changed at this point.
 - 3.3. The second Setup page will open (Networks Information). Modify any portion of this screen, as desired. Click on **Next**
 - 3.3.1. The IP address, subnet mask, domain name, DHCP, etc. can be changed on this page. Click on **Save**
4. Changes made to the system configuration will not become active until the server is rebooted. Click on **Yes** to reboot the server. The workstation IP address may be changed back to its original configuration if needed.

Administration

There is a theoretical limit to the number of CDs than can be imaged. The Operating System of the Virtual DVD Server™ can support up to 248 Imaged CDs.

Windows 95/98/NT Workstation

The Virtual DVD Server™ has two methods for imaging, or copying, CD/DVDs to the hard drives of the unit. The EasyImage utility can be loaded on a workstation to allow remote (across the network) imaging of a CD/DVD from the workstation CD drive to the hard drive of the Virtual DVD Server™. The System Administrator utility of the Virtual DVD Server™, accessed via a web browser, images CD/DVDs locally; from the Virtual DVD Server™ DVD drive to a hard drive in the unit.

EasyImage Remote Imaging

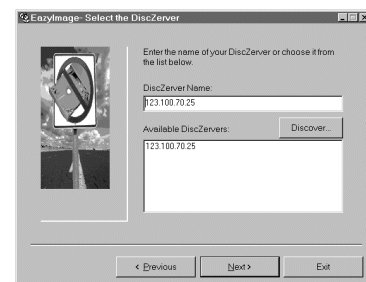
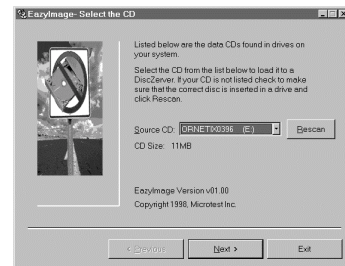
A workstation running Windows 95™ or Windows NT™ with a CD drive is needed to use this program. The EasyImage program is located on the DiscZerver Technology Companion CD.

Installing EasyImage

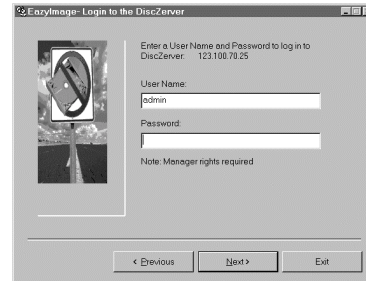
1. Insert the disc in the workstation CD drive. If the disc autoloads, select Install EasyImage from the main menu. If the disc does not autoload, run **D:\setup.exe** (where D: is the CD drive). Select Install EasyImage from the main menu.
2. Follow the instructions on the screen. When prompted select the destination location of the EasyImage program.
3. Click on Finish when done.
4. Exit the DiscZerver Companion CD. Remove the CD.

Creating a CD Image Using EasyImage

1. Insert the disc you wish to image into the workstation CD-ROM drive.
2. **Start the EasyImage program.** The program will walk you through the process of imaging a CD.
3. **Select the CD.** Choose the CD disc you wish to image from the drop down list. If you have only one local CD bay, only one Source CD will be listed. Click on Next.
4. **Select the DiscZerver.** Enter the name or the IP address of the Virtual DVD Server™. If you are unsure of the Virtual DVD Server™ name, click on the Discover button to see a list of available servers.



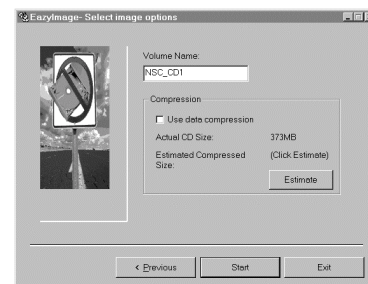
5. **Login Window.** Enter the user name and password. The defaults are *admin* and *admin*.



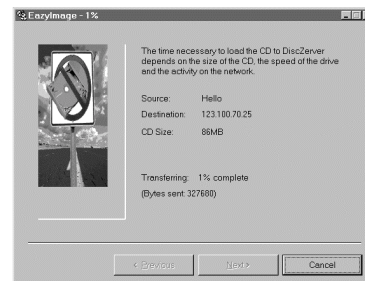
6. **Transfer Options Window.** Select the start time of the image build.



7. **Image Options Window.** Choosing *Using Data Compression* will reduce the amount of space that the imaged CD uses on the Virtual DVD Server™ hard drives, but will increase the amount of time to build the image. Clicking on Start will begin the image build process.



8. A window will display the progress of the image build. The length of time for the build depends on several factors: the size of the CD to be imaged, the speed of the CD drive, the type/speed of the network the data must travel across, and the current network traffic.
9. After the image has been built, the Virtual DVD Server™ Image Log will record the results.
10. Repeat these steps as needed.



System Administrator

Local CD/DVD Imaging

The local image building process is controlled by the System Administrator web-based utility. DVDs up to 17.8GB can be Imaged.

1. Open a workstation web browser.
2. Enter the Virtual DVD Server™ IP address in the browser's address field.
3. The Virtual DVD Server™ home page will open. Click on the Administration link.
4. The Administration Utility page will open. Insert a CDDVD into the Virtual DVD Server™ local DVD drive bay. Allow approximately 60 seconds for "spin up" of the disc, then refresh the screen.
5. After the screen has been refreshed, and the volume name of the CD/DVD is displayed, select the Create Image Option button.
6. The Image Log page will open. Refresh the screen. The image build will be listed in the Image Log Queue. The DVD drive bay door will eject when the image build is complete.

Deleting Imaged Discs

1. From the Administration Utilities web page, select Devices.
2. Select the Hard Drive Device (ex: Quantum...) where the volume/image is stored.
3. Place a check in the Delete column box.
4. Click on Delete Selected Image.

Apple Macintosh Workstation

System Administrator

Local CD Imaging

The local image building process is controlled by the System Administrator web-based utility.

7. Open a workstation web browser.
8. Enter the Virtual DVD Server™ IP address in the browser's address field.
9. The Virtual DVD Server™ home page will open. Click on the Administration link.
10. The Administration Utility page will open. Insert a CD/DVD into the Virtual DVD Server™ local DVD drive bay. Allow approximately 60 seconds for "spin up" of the disc, then refresh the screen.
11. After the screen has been refreshed, and the volume name of the CD displayed, select the Create Image Option button.
12. The Image Log page will open. Refresh the screen. The image build will be listed in the Image Log Queue. The DVD drive bay door will eject when the image build is complete.

Deleting Imaged Discs

5. From the Administration Utilities web page, select Devices.
6. Select the Hard Drive Device (ex: Quantum...) where the volume/image is stored.
7. Place a check in the Delete column box.
8. Click on Delete Selected Image.

System Security

The **General** system information page of the System Administration web-based utility has a setting for **Master Security**. Its default is *No*. Leaving this default will allow all users access to all volumes.

To restrict access to certain volumes, change the Master Security setting to *Yes*. It is now possible to create up to 1000 individual users and/or up to 125 groups, using the System Administration utility, in the Virtual DVD Server™ local bindery.

Create User/Group Accounts

User authentication can be accomplished via two methods. User and Groups accounts can be created manually in the bindery database of the Virtual DVD Server™. Authentication may also be achieved from a remote NT or NetWare server.

Add

If user/group accounts are created in the bindery database and Master Security has been enabled, when a user attempts to connect to the Virtual DVD Server™ only the initial network logon prompt will appear. No specific prompt from the Virtual DVD Server™ will appear.

1. Open the **Administration** web page.
2. Click on the **Users**.
3. Click on the **Add** link.
4. Enter information about the user.
 - 4.1. User Name can be up to 24 alphanumeric characters
 - 4.2. Password can be up to 15 alphanumeric characters.
5. Click on the **Add** button

Groups are created by following a similar process using the **Groups** link on the **Administration** web page.

Import

If the Virtual DVD Server™ is running with NetWare NCP or Windows SMB servers it is possible to automate the creation of users and groups, by entering the authentication server name in the correct field of the Network Utility page and rebooting the Virtual DVD Server™. Authentication is now through the network, rather than to the Virtual DVD Server™. When a logon request is made the Virtual DVD Server™, the username/password entered is forwarded on to the network file server and is verified by the NetWare NDS/Bindery or NT PDC database.

Novell NetWare (NCP)

Two logon prompts will appear; one for general network logon and one to logon to the Virtual DVD Server. To prevent this use the ATTACH command in the login script to enter the correct username/password automatically.

1. Open the **Administration** web page.
2. Click on the **Networks** link.
3. Select the **NCP Servers** link.
4. Enter the authentication server name in the **Bindery Server** field.
5. Use the drop down lists to change the **Auto Create Users** and **Auto Create Groups** options to *Yes*.
6. Click on the **Save** button.
7. Reboot the Virtual DVD Server™.

After the unit reboots, all users who attempt to log into the Virtual DVD Server™ will be checked against NDS or the bindery. If the username/password is valid, the account will be added to the Virtual DVD Server™ bindery. Access rights to Imaged CDs may then be modified for that account.

NT (SMB)

1. Open the **Administration** web page.
2. Click on the **Networks** link.
3. Select the **SMB Servers** link.
4. Enter the PDC name in the Primary Domain Controller box.
 - 4.1. Enter the IP address of the PDC in the PDC IP Address box.
5. Use the drop down lists to change the **Auto Create Users** and **Auto Create Groups** options to *Yes*.
6. Click on the **Save** button.
7. Reboot the Virtual DVD Server.

After the unit reboots, all users who attempt to log into the Virtual DVD Server™ will be verified by the PDC. If the username/password is valid the account will be added to the Virtual DVD Server™ database. Access rights to Imaged CDs may then be modified for that account.

NDS Integration

ZerverView software is used to prepare NDS integration. Supervisor rights to the container where the Virtual DVD Server™ will be installed is required.

1. Start the ZerverView program. As the program begins, the utility will browse the workstation's subnet to discover all Virtual DVD Servers™ on the subnet. When this discovery process is completed all Virtual DVD Servers™ are listed in the ZerverView window.
2. Highlight the Virtual DVD Server™ that is to be modified.
3. Click on the NDS Installation icon (tree), or select the Options menu, and NDS Installation.
 - 3.1. To continue with the process, click on Yes.
4. Browse through the NDS Tree to locate the container or context where the Virtual DVD Server™ is to be installed.
5. Highlight the correct container/context and click on OK.
6. A window will open that displays the status of the installation. Click on Install to continue.

A server object and a volume object will be created in the NDS Tree. The Virtual DVD Server™ will reboot. After the unit has rebooted, it is integrated into NDS and can be managed like any other NDS volume. by using Novell's NWAdmin utility.

Client Access of the Virtual DVD Server™

The CDROMS volume of the Virtual DVD Server™ provides global access to all Imaged CD/DVDs. All Imaged CD/DVDs appear as subdirectories of the CDROMS volume; only one drive mapping allows access to all Imaged CD/DVDs.

Each Imaged CD/DVD is also individually accessible.

Microsoft Windows

Windows 95/98/NT

UNC Path

Some applications allow a Universal Naming Convention (UNC) path to be used to access the CD/DVD data. A UNC path will be familiar to users of the World Wide Web. It uses the workstation name and share name and looks like this:

`\\computer\share\file.ext` or `\\Z12345\CDROMS\WPC12345\readme.txt`

Drive Mapping

Some Windows based applications require a fixed network connection to resources in order to run properly. Double click on the Network Neighborhood icon.

1. If the Virtual DVD Server™ you wish to access is not in the window, double-click on the Entire Network icon.
 - 1.1. If it is not in the Entire Network window, it may be necessary to double-click on the workgroup icon (this looks like a pyramid of PCs).
2. Double-click on the Virtual DVD Server™ icon.
 - 2.1. Any shared devices/files/folders will appear as folders in the window that opens.
3. Highlight the CDROMS volume. Click once on the right mouse button.
4. A pop-up menu will appear. Select the "Map Network Drive" option.
5. Select a letter to assign to this mapping.
 - 5.1. If desired, place a check in the "Reconnect at logon" box. Every time the workstation is powered on it will attempt to reach across the network and establish a communication channel with the mapped item using this letter.
6. Close all open windows. The mapping process is complete.

DOS

DOS does not support UNC. The **net use** command, entered at the DOS prompt, is used for drive mapping. The following example maps the drive letter V: to the CDROMS volume of the Virtual DVD Server™ named Z12345.

```
net use V: \\Z12345\CDROMS
```

Novell NetWare

The Virtual DVD Server™ appears with a default name of Zxxxxx_NW. NetWare5 clients must load IPX to access the Virtual DVD Server™.

DOS/Windows for Workgroups

NetX and VLM clients need to use the **net use** and **map** commands.

Windows 95/98/NT

See the section above to map drive letters.

Apple Macintosh

The Chooser is used to mount/access Imaged CDs.

1. Click on the **Apple** menu.
2. Select **Chooser**.
3. If AppleTalk is not currently active, click on the radio button to make it active.
4. Connect to the server.
 - 4.1. Select **AppleShare**. All Mac servers will appear in the right window.
 - 4.1.1. Highlight the Virtual DVD Server™. Click on **OK**
 - 4.2. Select the Volume to mount. Click on **OK**
 - 4.2.1. By selecting the CDROMS volume, all Imaged CD/DVDs will be accessible.
 - 4.2.2. All true Mac (HFS format) CD/DVDs and Imaged CD/DVDs will appear as separate volumes. If an HFS CD/DVD is selected it will be mounted directly on the desktop.
 - 4.3. A connection log in window will open.
 - 4.3.1. If security has not been enabled (an Open System) any defined User Name and Password can be used. Do not use Guest to log in). Click on **Connect**
 - 4.4. Select the Imaged CD/DVD(s) you want to mount and click on **OK**

UNIX

All NFS volumes are mounted in the same way.

1. Create a directory for the Virtual DVD Server™. **mkdir <directory>**
2. Mount the Virtual DVD Server™. **mount <hostname>:/<directory>**
3. Change into the directory to access the Imaged CD/DVDs.

For example, if the Virtual DVD Server™ is at an IP address of 192.168.1.100 and the CDROMS volume is being mounted the commands would be:

```
mkdir /cdroms
mount -F nfs 192.168.1.100:cdroms /cdroms
```

To mount these volumes every time the workstation boots edit the **/etc/vfstab** file with the following command:

```
192.168.1.100:cdroms - /cdroms nfs - yes ro
```

HTTP

Imaged CDs may be accessed by entering the correct name in the Uniform Resource Locator (URL) box of a web browser.

If the Virtual DVD Server™ has been added to the Domain Name System (DNS) database the DNS name may be used.

```
http://CDServer1.Firm.com
```

The IP address of the Virtual DVD Server™ may be entered.

```
http://192.168.1.100
```

In a Windows environment, the name of the Virtual DVD Server™ may be used.

```
http://Z12345/
```

Technical Specifications

LED Indicators

LED	Color	Activity	Decsription
Status	Red	Solid	During Power-On: Self-test During Power-Off: Safe Halt. The power may be safely turned off.
	Amber	Solid	During Power-On: The Self-test is complete and the OS of the Virtual DVD Server™ is loading
	Green	Solid	The system has finished the boot process, acquired an IP address, and is ready to use.
	Amber	Blinking	An IP address was not dynamically acquired. The default IP address of 10.10.10.10 is in effect.
	Green/Amber	Rapid Blinking	The firmware of the Zerver CPU is being updated. Warning: Disturbing, or stopping this operation may result in a total system crash.
Network	Amber	Blinking	Virtual DVD Server™ is sending data to the network
	Green	Blinking	Other devices on the network are sending data.
10/100	Amber	Solid	Network speed is 10BaseT, or 10 Mbps
	Green	Solid	Network speed is 100BaseT, or 100 Mbps
	No Color	No Light	There is no network visible to the Virtual DVD Server™.
Drive	Green	Blinking	The IDE drive of the Virtual DVD Server™ is reading or writing data.
	Red	Blinking	The SCSI drive of the Virtual DVD Server™ is reading or writing data.

Flashing the Firmware

The OS of the Virtual DVD Server™ is contained within the firmware. The process of upgrading the firmware is known as flashing. The Windows application ZerverView or an FTP client may be used to flash the OS.

ZerverView

1. Download the latest version of the OS from **www.microtest.com**. The file will have a .BIN extension.
2. Open ZerverView software.
3. Highlight the Virtual DVD Server that is to be flashed.
4. Click on the Reflash icon (lightning bolt) or select the **Options** menu, and the **Reflash Firmware** option.
5. When prompted for the *.BIN file select the file downloaded from the Microtest web site and click on the **Open** button.
6. Click on **Yes** to continue.
7. A window will open that details the OS version of the Virtual DVD Server™ selected and the OS version of the update.
8. Click on the **Reflash** button.
 - 8.1. When prompted, enter the Admin username and password
9. The Status section of the screen will display the flash process.

Warning: The Status LED will blink green and amber during the Flash process. Do not stop or interfere with the Flash process, or remove power from the unit. Doing so may corrupt the OS and result in a dead Virtual DVD Server™.

FTP Client

If the workstation does not have a current FTP Client application, Microtest includes an FTP Client on the DiscZerver companion CD.

1. Download the latest version of the OS from **www.microtest.com**. The file will have a .BIN extension.
2. Use the FTP Client to create an FTP connection to the Virtual DVD Server™.
3. When prompted login to the Virtual DVD Server™ using the Admin username and password.
4. Set the transfer mode to binary and transfer the downloaded *.BIN file to the Virtual DVD Server™.
5. Close the FTP connection after the transfer is complete.
 - 5.1. The Virtual DVD Server™ will automatically reboot.

Warning: The Status LED will blink green and amber during the Flash process. Do not stop or interfere with the Flash process, or remove power from the unit. Doing so may corrupt the OS and result in a dead Virtual DVD Server.

Contacting Support

Academy Computer Services: 800-385-6442, Fax: 781-279-4262

Academy Web Site:

<http://www.LegalHardware.com> or <http://www.SchoolHardware.com>

Academy email: primary@academycomputerservice.com

Microtest Web Site: <http://www.zerver.com>

Microtest Technical Support: 800-638-3497, Fax: 602-952-6494

Microtest email: support@microtest.com

Warranty and Disclaimer Information

Specifications subject to change without notice. All trademarks the property of their respective companies.

Warranty: One year parts and labor from date of purchase. This warranty is in lieu of all other express warranties which now or hereafter might otherwise arise with respect to this product, implied warranties, including those of merchantability, fitness for a particular purpose and non-infringement shall (A) have no greater duration than 1 year from the date of purchase (B) terminate automatically at the expiration of such period and (C) to the extent permitted by law be excluded. In the event this product becomes defective during the warranty period, the purchaser's exclusive remedy shall be repair. Incidental or consequential damages, including without limitation loss of data or inaccurate retrieval of data, arising from breach of any express or implied warranty are not the responsibility of Academy Computer Services, Inc. and, to the extent permitted by law, are hereby excluded both for property damage, and to the extent not unconscionable, for personal injury damage.

Options

Many installations require modifications or additions for optimal functionality. To this purpose we offer CD changers/jukeboxes, Macintosh interfaces, OS/2 drivers, Ornetix Software for CD management in Novell or Windows NT environments, dual channel SCSI cards for multiple towers, multiplexers, Virtual CD Towers using hard disks and other options too numerous to list. We have extensive experience with large and custom installations. Please call 800-385-6442 for a tailored quotation.

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