



Ethernet Disk mini

v. 2.0



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Changes

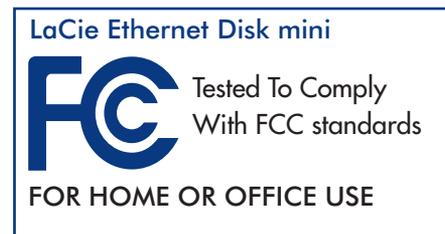
The material in this document is for information only and subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, LaCie assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. LaCie reserves the right to make changes or revisions in the product design or the product manual without reservation and without obligation to notify any person of such revisions and changes.

FCC Statement

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/her own expense. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.



Canada Compliance Statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

CE Manufacturer's Declaration for CE Certification

We, LaCie, solemnly declare that this product conforms to the following European standards:

Class B EN60950, EN55022, EN50082-1, EN61000-3-2

With reference to the following conditions:

73/23/EEC Low Voltage Directive

89/336/EEC EMC Directive



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of electrical waste and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

Health and Safety Precautions

CAUTION: The LaCie Ethernet Disk mini's warranty may be void as a result of the failure to respect the precautions listed below.

Only qualified persons are authorized to carry out maintenance on this device.

- Read this User's Guide carefully, and follow the correct procedure when setting up the device.
- Do not open your LaCie Ethernet Disk mini or attempt to disassemble or modify it. Never insert any metallic object into the drive to avoid any risk of electrical shock, fire, short-circuiting or dangerous emissions. Your LaCie Ethernet Disk mini contains no user-serviceable parts. If it appears to be malfunctioning, have it inspected by a qualified LaCie Technical Support representative.
- Never expose your device to rain, or use it near water, or in damp or wet conditions. Never place objects containing liquids on the LaCie Ethernet Disk mini, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.
- Make sure that the computer and LaCie Ethernet Disk mini are electrically grounded. If the devices are not grounded, there is an increased risk of electrical shock.

General Use Precautions:

- Do not expose the LaCie Ethernet Disk mini to temperatures outside the range of 5° C to 45° C (41° F to 104° F). Doing so may damage the LaCie Ethernet Disk mini or disfigure its casing. Avoid placing your LaCie Ethernet Disk mini near a source of heat or exposing it to sunlight (even through a window). Inversely, placing your LaCie Ethernet Disk mini in an environment that is too cold or humid may damage the unit.
- Always unplug the LaCie Ethernet Disk mini from the electrical outlet if there is a risk of lightning or if it will be unused for an extended period of time. Otherwise, there is an increased risk of electrical shock, short-circuiting or fire.
- Use only the power supply shipped with the device.
- Do not use the LaCie Ethernet Disk mini near other electrical appliances such as televisions, radios or speakers. Doing so may cause interference which will adversely affect the operation of the other products.
- Do not place the LaCie Ethernet Disk mini near sources of magnetic interference, such as computer displays, televisions or speakers. Magnetic interference can affect the operation and stability of your LaCie Ethernet Disk mini.
- Do not place heavy objects on top of the LaCie Ethernet Disk mini or use excessive force on it.
- Never use excessive force on your LaCie Ethernet Disk mini. If you detect a problem, consult the Troubleshooting section in this manual.
- Protect your LaCie Ethernet Disk mini from excessive exposure to dust during use or storage. Dust can build up inside the device, increasing the risk of damage or malfunction.
- Never use benzene, paint thinners, detergent or other chemical products to clean the outside of the LaCie Ethernet Disk mini. Such products will disfigure and discolor the casing. Instead, use a soft, dry cloth to wipe the device.

1. Introduction

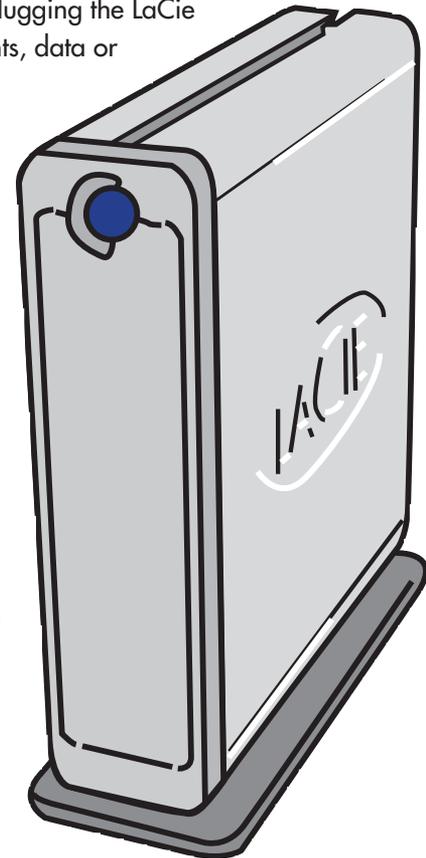
Congratulations on the purchase of your new LaCie Ethernet Disk mini! By simply plugging the LaCie Ethernet Disk mini into your Ethernet-based network, you can easily share documents, data or multi-media files.

Connect the LaCie Ethernet Disk mini either directly to a computer via USB, or share the drive over your network through the Ethernet connection. When connected through USB, the LaCie Ethernet Disk mini performs like a standard external hard drive, but you can also still modify and configure the network settings, as well. When connected to a network, the LaCie Ethernet Disk mini becomes a Network Attached Storage device, capable of supporting a limited number of users connecting simultaneously.

You can easily manage the LaCie Ethernet Disk mini through the Internet with the Web Administration tool – create users, assign access rights and passwords and configure the network parameters of your drive.

1.1. What Your LaCie Ethernet Disk mini Can Do

- Backup data in a separate location, away from the source
- Easily shuttle files and folders from the home and office
- Share files between Mac, Windows and Linux clients



IMPORTANT INFO: Any loss, corruption or destruction of data while using a LaCie drive is the sole responsibility of the user, and under no circumstances will LaCie be held liable for the recovery or restoration of this data. To help prevent the loss of your data, LaCie highly recommends that you keep TWO copies of your data; one copy on your external hard drive, for instance, and a second copy either on your internal hard drive, another external hard drive or some other form of removable storage media, such as CD, DVD or Tape. LaCie offers a complete line of CD, DVD and Tape drives, and if you would like more information on backup, please refer to the LaCie white paper on backup methods and technology.

2. Your LaCie Ethernet Disk mini

2.1. Minimum System Requirements

2.1.1. Ethernet Connectivity

- Ethernet 10/100 Network adapter

Network Client Protocol:

- SMB, AFP, FTP

Internet Browser:

- Microsoft® Internet Explorer® 6.0 or higher
- FireFox® Mozilla™ 1.5 or higher
- Apple® Safari™

OS Compatibility:

- Windows 95, 98, 98SE, Me, 2000 and XP (SP1 and SP2), X64
- Mac OS 9.x and higher; Mac OS 10.1.x and higher
- Linux 2.4.20 and higher

2.1.2. USB Connectivity

- USB 1.0/1.1/2.0 controller and support for USB Mass Storage protocols

Operating System Compatibility

- Windows 2000 and XP
- Mac OS 10.2.x and higher
- Linux 2.4.20 and higher

2.2. Package Contents

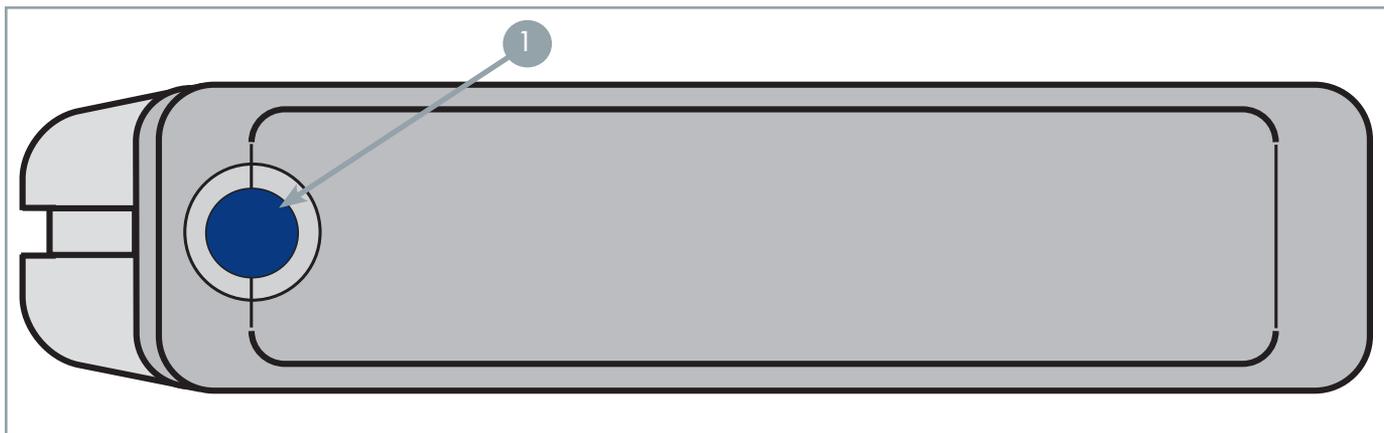
Your LaCie Ethernet Disk mini should include the following:

- 1 LaCie Ethernet Disk mini with drive stand
- 2 Fast Ethernet 10/100 cable
- 3 Hi-Speed USB 2.0 cable
- 4 External power supply
- 5 LaCie Storage Utilities CD-ROM
- 6 Quick Install Guide



2.3. Views Of The Drive

2.3.1. Front View

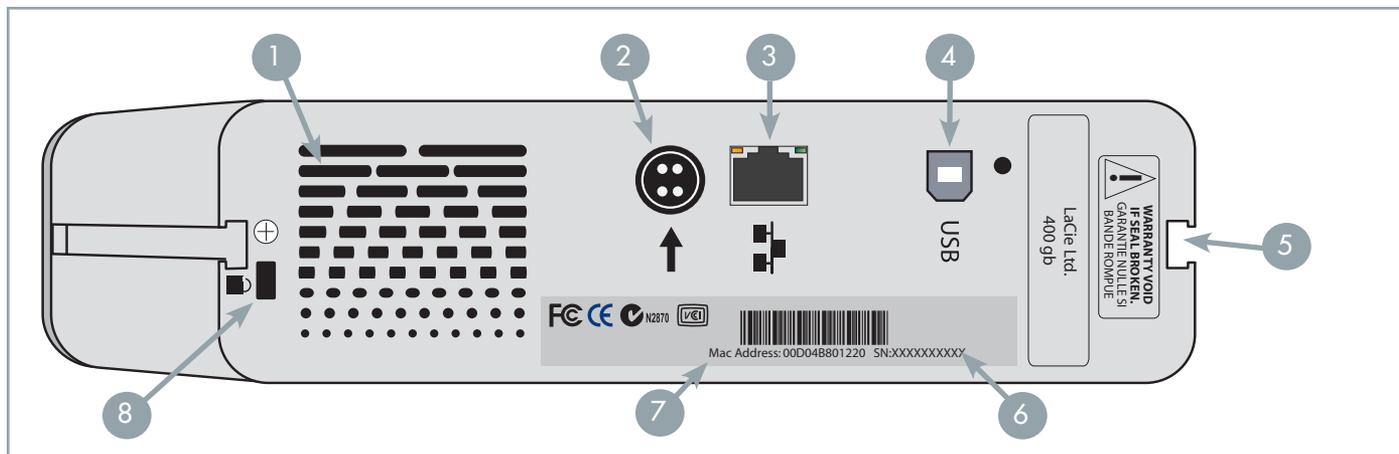


1 On/Off Button / Power LED / Activity LED

Press the On/Off Button to power the drive on and off when connected via the Ethernet cable. The LaCie Ethernet Disk mini will power on and off automatically while connected via the USB interface. The LED remains lit to show that the drive is on, and blinks to indicate drive activity.

IMPORTANT INFO: Do not unplug the power chord or turn off the power strip to turn the Ethernet Disk mini on or off. When connected via the Ethernet cable, press the On/Off power button for 3 seconds to properly shut down the drive.

2.3.2. Rear View



- 1 Ventilation Outlet** – These holes help to keep your drive cool during operation. Be sure not to block these openings when using your drive.
- 2 Power Supply Connector** – This is where you plug in the AC adapter supplied with the drive. See section 3.3. [Connecting The External Power Supply](#) for more information.
- 3 Ethernet 10/100 Port** – This is where you plug in the Ethernet cable furnished with the drive. See section 5. [Using The LaCie Ethernet Disk mini Via Ethernet](#) for more information.
- 4 Hi-Speed USB 2.0 Port** – This is where you plug in the Hi-Speed USB 2.0 cable furnished with the drive. See section 7. [Using The LaCie Ethernet Disk mini Via USB](#) for more information.
- 5 Rackmount Grooves** – These grooves are used for mounting the drive in the Desk Rack kit (sold separately) or placing your drive in standard 19" computer equipment racks using the LaCie Rackmount Kit (sold separately). See sections 3.1. [Stand-alone Installation](#) and 3.2. [Rack Mounting Installation](#) for more information.
- 6 Serial Number Sticker** – This is where you will find your LaCie drive's serial number. Write down the serial number and keep it in a safe place, because you will need to provide the number in the event you have to call LaCie Technical Support for any reason in regards to the drive's performance. The serial number would also come in handy if your drive is lost or stolen.
- 7 Mac Address** – Every Ethernet Disk mini has been assigned a Mac Address (Media Access Control). This address can be found on the back of your Ethernet Disk mini.
- 8 Lock Slot** – This slot is used to connect an anti-theft system, such as the LaCie Security Lock, for maximum protection. Refer to your anti-theft system documentation for details on how to connect the lock.

2.4. Cables And Connectors

The LaCie Ethernet Disk mini offers two different methods for connection and usage.

2.4.1. Hi-Speed USB 2.0

USB is a serial input/output technology for connecting peripheral devices to a computer or to each other. Hi-Speed USB 2.0 is the latest implementation of this standard, and it provides the necessary bandwidth and data transfer rates to support high-speed devices such as hard drives, CD/DVD drives and digital cameras.



Benefits of the USB standard include:

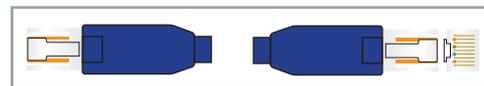
- Backwards compatibility: Hi-Speed USB 2.0 works with the original USB specifications.

USB Cables

Your LaCie drive is shipped with a Hi-Speed USB 2.0 cable, to ensure maximum data transfer performance when connected to a Hi-Speed USB 2.0 port. The cable will also work when connected to a USB port, but drive performance will be limited to USB 1.1 transfer rates.

2.4.2. Ethernet

A LAN (Local Area Network) technology, based on the IEEE 802.3 standard, is used by a group of computers and associated devices that share a common communication line and typically share the resources of a single processor or server within a small geographic area.



The most common Ethernet systems are 10BASE-T, which provides transmission speeds up to 10Mb/s, and 100BASE-T (also known as Fast Ethernet), which provides transmission speeds up to 100Mb/s.

Ethernet Cables

Your LaCie drive is shipped with 10/100 Ethernet cable, and works with either 10BASE-T or 100BASE-T networks.

IMPORTANT INFO: Do not unplug the power chord or turn off the power strip to turn the Ethernet Disk mini on or off. When connected via the Ethernet cable, use the On/Off power button to properly shut down the drive.

TECHNICAL NOTE: The LaCie Ethernet Disk mini is also compatible with Gigabit Ethernet, when the drive is connected to a 100Mb/1Gb Ethernet switch. Transfer rates, however, will not be improved by connecting your Ethernet Disk mini to a 100Mb/1Gb Ethernet switch.

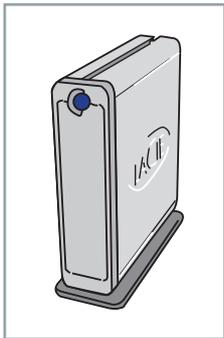
3. Setting Up Your LaCie Ethernet Disk mini

The LaCie Ethernet Disk mini utilizes the aluminum alloy casing to help dissipate heat. There are important location consideration precautions to keep in mind when setting up your drive.

Make sure to place your drive in a well ventilated space, do not block the ventilation outlet on the back of the drive and keep the area in front of and behind the drive unobstructed to allow for proper airflow.

If you will be stacking or racking your drive, please follow these considerations:

- When stacking drives, place no more than two drives on top of each other.
- When stacking drives, make sure and adhere the rubber feet to the bottom of the drives. This provides a small separation between the two stacked drives.
- When racking in 19" equipment racks, only rack the equipment in a regulated, air-conditioned room, keep cables and other obstructions away from the rear of the drive and do not place more than two drives on top of each other.

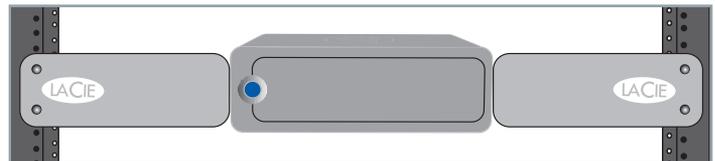


3.1. Stand-alone Installation

The LaCie Ethernet Disk mini includes a convenient drive stand, which allows the drive to be placed in an upright position. Please refer to the instruction sheet included with the drive stand for specific instructions.

3.2. Rack Mounting Installation

The LaCie Ethernet Disk mini can be incorporated into standard 19" computer equipment racks, using the LaCie Rackmount Kit (sold separately). Please refer to the instructions included with the LaCie Rackmount Kit for specific instructions.

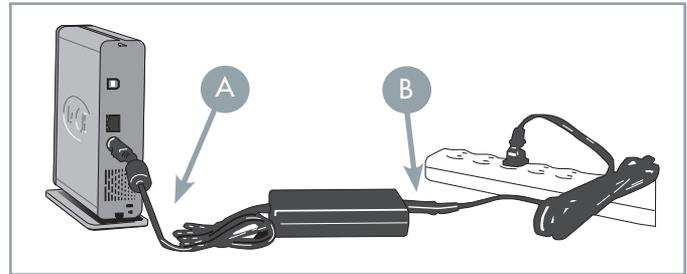


3.3. Connecting The External Power Supply

There are two cables that are supplied with the power supply: one cable (A) connects to the LaCie Ethernet Disk mini; and the other cable (B) connects to a power outlet, such as a wall outlet or a surge protector.

1. Connect Cable **A** to your LaCie Ethernet Disk mini.
2. Connect Cable **B** to the Power Supply brick.
3. Connect Cable **B** to a surge protector or wall outlet.

You are now ready to connect the interface cable to your drive and to your computer.



CAUTION:

- Only use the AC adapter supplied with your specific LaCie Ethernet Disk mini. Do not use a power supply from another LaCie drive or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.
- Always remove the AC adapter before transporting your LaCie Ethernet Disk mini. Failure to remove the adapter may result in damage to your drive and will void your warranty.

TECHNICAL NOTE:

- Your LaCie Ethernet Disk mini comes with an autoswitching power supply. This means that if the drive is connected to a USB connector on your computer, when you turn on the computer, the LaCie Ethernet Disk mini will turn on automatically. Likewise, when you turn off your computer, your LaCie Ethernet Disk mini will turn off automatically. To turn the drive off, simply press the blue On/Off button on the front of the drive for 3 seconds. Do not turn the drive off, though, when it is reading or writing information!
- Your LaCie Ethernet Disk mini also manages power consumption. If the system's power save feature supports it, the drive will spin down during the power save mode. After the system comes out of power save, the drive will take a few seconds to spin up to full power before it can be accessed.
- You may use your LaCie Ethernet Disk mini when in a foreign country, thanks to its autoswitching 100-240 Volt power supply. To be able to use this feature, you may need to purchase an appropriate adapter or cord. Consult LaCie Technical Support for assistance in choosing the right adapter. LaCie accepts no responsibility for any damage to the drive resulting from the use of an inappropriate adapter. Using an adapter other than one authorized by LaCie will void your warranty.

4. Configuring Your Drive

4.1. Install Network Configuration Software

PC Users:

1. Insert the LaCie Ethernet Disk & Ethernet Disk mini CD-ROM included with your purchase.
2. In **My Computer**, double-click the CD-ROM drive. Double-click network **IP Configurator Software**.
3. Follow the steps to complete the installation process.

Mac Users:

1. Insert the LaCie Ethernet Disk & Ethernet disk mini CD-ROM included with your purchase.
2. The CD should appear on the desktop. Double-click the CD icon, then double-click **Network IP Configurator** software (*fig. A*).
3. Click **Continue**.
4. Click **Continue**. The installer will place the application in your **Utilities** folder.



Fig. A

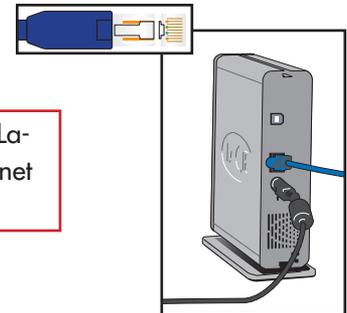
IMPORTANT INFO: The LaCie IP Configurator software is available online. Visit www.lacie.com/support for free download.

IMPORTANT INFO: The **Wake on LAN** feature in the LaCie IP Configurator software does not work with the Ethernet Disk mini. This function is relevant to other LaCie products.

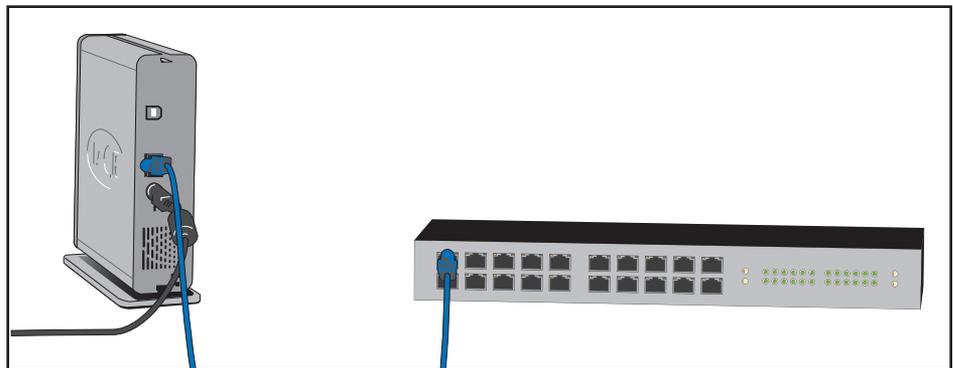
4.2. Connect Your Drive Via Ethernet

1. Connect the Ethernet cable into the Ethernet port on the back of the LaCie Ethernet Disk mini.

IMPORTANT INFO: Make sure that the computer you will be using to configure the LaCie Ethernet Disk mini is on the same network (i.e. the same subnet) as the LaCie Ethernet Disk mini.



2. Connect the other end of the Ethernet cable into an available Ethernet port on your Ethernet network.



3. Press the blue On/Off Button on the front of the drive. It may take a few seconds for your network to recognize the drive. Once the drive appears, go to section 5.1. [Accessing The LaCie Ethernet Disk mini Via The Network](#) for more information on configuring your LaCie Ethernet Disk mini.

4.3. Configure Your Drive on a DHCP-Enabled Network

A DHCP-(dynamic host configuration protocol) enable server automatically assigns an IP address to the Ethernet Disk mini. Therefore, if your network has a DHCP server, you will not need to manually assign an IP address to the Ethernet Disk mini.

The easiest way to determine the Ethernet Disk mini IP address is to install and use the LaCie network configuration application, located on the utilities CD-ROM that ships with the Ethernet Disk mini. Please see section 4.2. [Connect Your Drive Via Ethernet](#), for more information.

The IP Configuration Software is available for download from our Web site – www.lacie.com.

Run the LaCie network configuration application.

1. PC Users:

From the start button, select [Programs](#) or [All Programs](#) / [LaCie](#) / [LaCie NAS Configurator](#) (fig. A).



Fig. A

Mac Users:

From the application folder, open [Utilities](#) / [LaCie NAS Configurator](#) (fig. B).

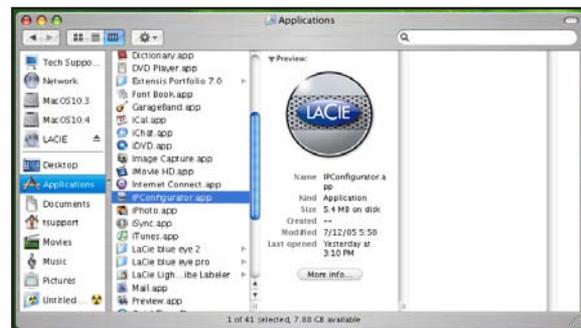


Fig. B

- In the left-hand column (see figure at right) the IP addresses of all available network devices are located. You'll probably see only one IP address (*fig. C*).

TECHNICAL NOTE: It can take up to 15 minutes for your computer to recognize a network device such as the LaCie Ethernet Disk mini.

- Select the address of the device to be modified. It is easiest to configure your drive if only one Ethernet Disk mini at a time is connected to the network.
- When the Ethernet Disk mini is attached to a DHCP-enabled network, the fields will show assigned (can't be modified) addresses.

4.4. On a Local Area Network with no DHCP Server

In this case, you will need to manually assign the correct network settings for your LaCie Ethernet Disk mini.

The easiest way to modify your LaCie Ethernet Disk mini's network configuration is to install and use the LaCie IP Configurator application. See 4.3. [Configure Your Drive on a DHCP-Enabled Network](#) for more information on using the network configuration software.

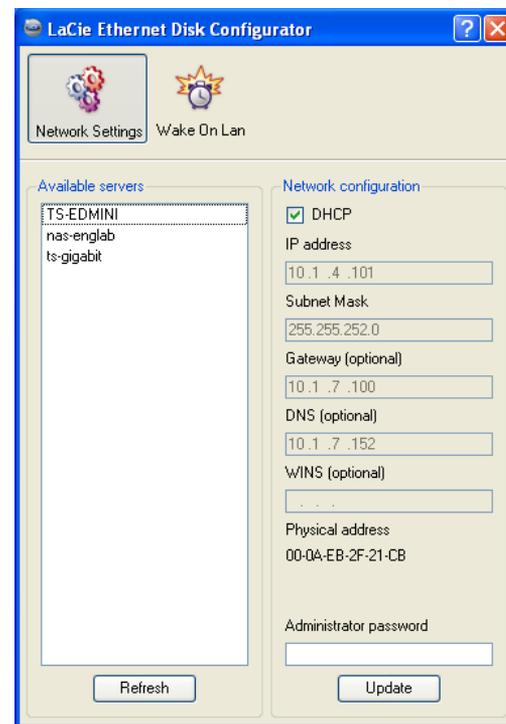


Fig. C

IMPORTANT INFO: For information on how to assign a static IP address using a USB connection, see section 7.3. [To Assign a Static IP Address via USB.](#)

5. Accessing the Drive on the Network

By utilizing the Ethernet connection, you can share the LaCie Ethernet Disk mini with computers on a network.

5.1. Accessing The LaCie Ethernet Disk mini Via The Network



IMPORTANT INFO: The LaCie Ethernet Disk mini will not appear on the network when connected via USB.

When connected via Ethernet, the LaCie Ethernet Disk mini should appear as a drive with one share folder on the network.

5.1.1. Microsoft Windows Users



IMPORTANT INFO: If you have just turned on the LaCie Ethernet Disk mini, it may take a few moments for the LaCie Ethernet Disk mini to appear on the network.

To access the LaCie Ethernet Disk mini using Microsoft Windows, look in **My Network Places**. By default, the LaCie Ethernet Disk mini will be named **EDmini** under Workgroup. To access the ED mini from an Explorer Window's address bar:

```
\\edmini (\\<machine name>)  
\\IP_address
```

When you attempt to access a share, you will be asked to enter a user name and a password.

For faster time connections and usability, LaCie recommends that you map a drive to share. To map a drive to share, select the **Tools** menu from Windows Explorer. Click on **Map a drive**. Fill in the appropriate information and press **Finish**. This creates a direct access to the shared drive from My Computer (for more information about drive mapping, refer to your Windows manual).

Windows 95/98/98SE

For Microsoft Windows 95, 98, and 98SE users, if you cannot find the LaCie Ethernet Disk mini from your workstation, try using the Windows search tool.

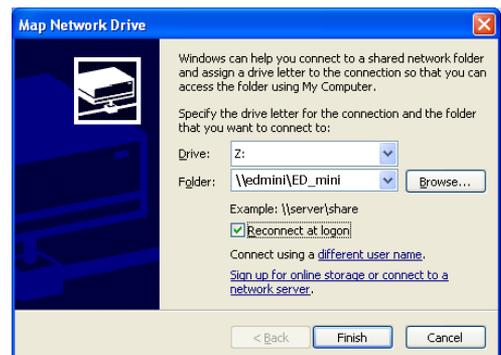


Fig. A

From the Start menu, select **Find** and then **Computer**. Enter the server name and click **Find Now**. Windows will search your system and after a little while, the LaCie Ethernet Disk mini should appear in the result window. Click on the icon, and you will then be asked to enter a username and password.

Windows Me/2000/XP

For Windows Me, Windows 2000 and Windows XP users, if you cannot find the LaCie Ethernet Disk mini from your workstation, try using the Windows search tool.

From the Start menu, select **Search**, and then click on **For Files** or **Folders**. In the **Search Results** window, select **Computers**. In the Search for Computers dialog box, enter the server name and click the **Search Now** button. By default, the LaCie Ethernet Disk mini will be named "EDmini", and the share "ED_mini".

TECHNICAL NOTE: Windows Me Users – To access your shares under Windows Me, the administrator will need to create a user with the same username and password as your log in for Windows. This is due to a limitation in Microsoft's operating system.

TECHNICAL NOTE: Windows 95 and 98 Users – To access your shares under Windows 95 and 98, you will need to create a user on the LaCie Ethernet Disk mini with the same user name and password as your log in for Windows. This is due to a limitation in Microsoft's operating system.

5.1.2. Mac Users

Mac OS 9.x

From the Apple menu, select **Network Browser**, **Chooser** or **Connect to Server**. In Chooser, click the **Appleshare** icon. Your server should appear in the list with the default name "EDmini". Select it and press **OK**.

Mac OS 10.x

Under Mac OS 10.x, click **Connect to Server** in the **Go** menu, and go to **Workgroup** and select **EDmini**. A share named ED_mini will appear. Click on the share that you want open and press **OK**. Enter a valid username and password. The new share will be placed on your desktop. For Mac OS 10.4, the connection is via the Finder rather than a server. For SMB access, type Apple-K, and in the address field, type `smb://edmini (<machine name or the IP address>)`

5.1.3. Linux Users

Under KDE, open konqueror and type in the IP address of the LaCie Ethernet Disk mini into the address field:

- For FTP access – `ftp://ip_address`
- For HTTP access – `http://ip_address`
- For SMB/CIFS access (in order for this to method to work, the services need to be properly configured) – `smb://ip_ad-`

5.2. Accessing the LaCie Ethernet Disk mini via Web Browsers

While the LaCie Ethernet Disk mini is connected to the network, it is capable of being accessed via the Internet through your Internet browser.

Windows, Mac and Linux Users – Open your browser to <http://EDmini> or http://device_IP_address (the “device_IP_address” refers to the IP address that is assigned to your LaCie Ethernet Disk mini; for example, <http://192.168.0.207>).

Once the Web page opens, you will be prompted to enter a valid user name and password (see section 6.7. [User’s Menu](#) for more information on creating users). After the user name and password have been verified, you will be able to browse the contents of the LaCie Ethernet Disk mini through either http or FTP. Simply click on the **http** button to view the files via http, and click on **FTP** to view the files via FTP.

5.3. Disconnecting the LaCie Ethernet Disk mini

There are two ways to disconnect the Ethernet connection.

- From the Web administration page, click on the configuration tab and then click on the shutdown button (see section 6. [Using the LaCie Ethernet Disk mini Web Administration Page](#) for more information).

OR,

- Press the On/Off button on the front of the LaCie Ethernet Disk mini, and hold the button down for 3 seconds. The On/Off button will flicker for a few seconds before powering off.

 **IMPORTANT INFO:** If your Ethernet Disk mini is not shut down properly, your disk and or files may be corrupted and data could be lost.

6. Using The Ethernet Disk mini Web Administration Page

The LaCie Ethernet Disk mini features an easy-to-use Web-based tool for configuring the drive and administering users, when the drive is connected to the network via the Ethernet connection.

6.1. Accessing The Web Administration Page

IMPORTANT INFO: Use Microsoft® Internet Explorer® 6.0 or higher, Netscape® with Mozilla™, FireFox® Mozilla™ 1.5 or higher, or Apple® Safari™ as your Web browser when accessing the LaCie Ethernet Disk mini via the Internet.

Windows, Mac and Linux Users – Open your browser to <http://EDmini> or http://device_IP_address (the “device_IP_address” refers to the IP address that is assigned to your LaCie Ethernet Disk mini; for example, <http://192.168.0.207>).

Once the page opens, click on the Administration button in the upper left hand part of the screen, below the LaCie logo. You will then be prompted to enter the administrator name and password. The default administrator user name is [admin](#), and the default password is [admin](#) (*fig. A*).



Fig. A

6.2. Administering The LaCie Ethernet Disk mini

After the login is validated, you will enter the LaCie Ethernet Disk mini's Web Administration Page. Along the top of the page are a series of tabs (Configuration, Network, Disk, Shares, Users and Status), from which you can navigate and configure the LaCie Ethernet Disk mini.

6.2.1. Setting The User Language

The first page that appears will give you the opportunity to select the language that you wish to use for the Web Administration Page. Simply use the pull-down menu beside the Language selector to find your language, and then click **Submit Changes** to activate your language. You may come back to this page at any time by clicking on the language's flag, located just below the program tabs (*fig. A*).

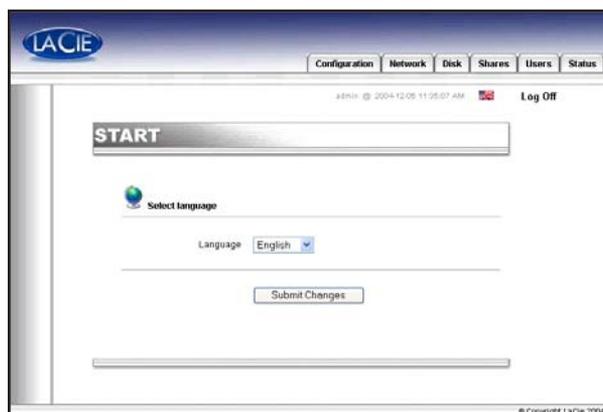


Fig. A

6.2.2. Log Off

You can close the Web Administration program at any point while the Web page is open by clicking **Log Off**, located just below the tabs in the upper-right hand corner of the screen. After clicking **Log Off**, click on the **Close Windows** button to leave the program (*fig. B*).

TECHNICAL NOTE: Depending on your browser settings, clicking the "Log Off" button may or may not close the browser window.



Fig. B

6.3. Configuration Menu

By clicking on the Configuration tab, you will be brought to the main page of the Configuration menu. From this window you can see details about your network, software and hardware, while also being able to restart or shutdown your LaCie Ethernet Disk mini (*fig. A*).

6.3.1. Machine Name

By clicking on the blue button to the right of Machine Name, in the General section of the Configuration menu, you will be taken to the Change Machine Name page. From here you can modify the name of the LaCie Ethernet Disk mini. If you have changed the name, click the Submit Changes button to activate your changes. The default machine name for the LaCie Ethernet Disk mini is "EDmini" (*fig. B*).

If you intend to use more than one Ethernet Disk mini on your network, you must change the default machine name. Each Ethernet Disk mini must have a unique name.

TECHNICAL NOTE: Machine name changes will be registered in the local DNS servers **ONLY** after a restart.

IMPORTANT INFO: For optimal performance, keep the name of the LaCie Ethernet Disk mini under 16 characters, and do not use characters such as: ? < > / \ .



Fig. A

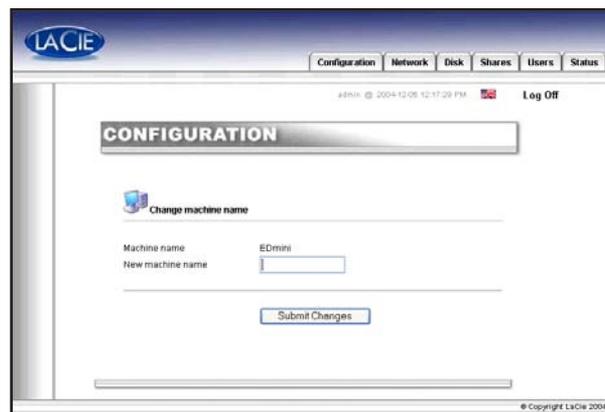


Fig. B

6.3.2. Windows Workgroup

By clicking on the blue button to the right of **Windows Workgroup**, in the **General** section of the Configuration menu, you will be taken to the Change Workgroup page. From here you can modify the domain or workgroup to which the LaCie Ethernet Disk mini is attached. If you have altered the workgroup or domain, click the **Submit Changes** button to activate your changes (*fig. D*).

CAUTION: Workgroup names can be composed of only letters and numbers and cannot contain any special characters such as ? < > / ~ \ : . % \$ & () _ @ #

It is recommended that workgroup names be composed of only numbers and letters, and avoid accented and other modified characters.

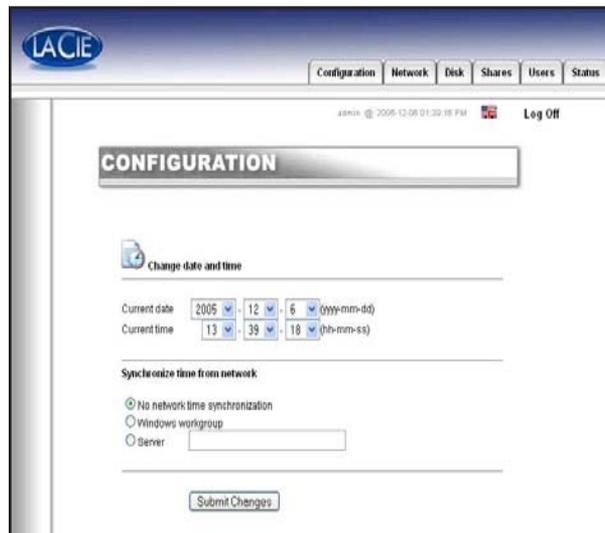


Fig. D

6.3.3. FTP and HTTP Protocols

HTTP (hypertext transfer protocol) is always active and cannot be turned off. FTP (file transfer protocol), however, can be enabled or disabled. To disable FTP for the Ethernet Disk mini, click on the **Status** tab and, under **Services**, click the **Disable** button that corresponds to the FTP service entry (*fig. E*).

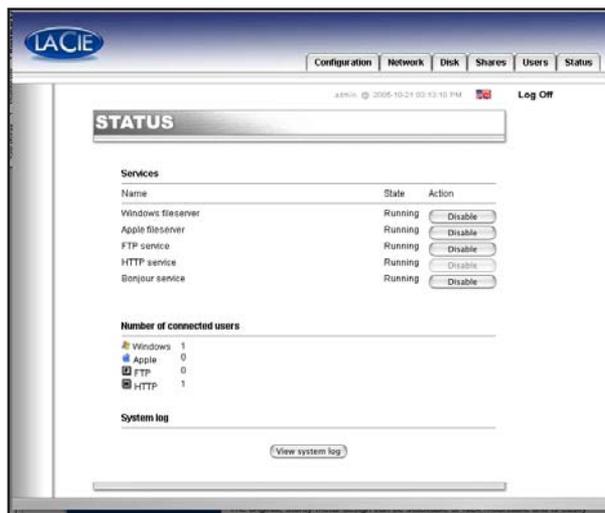


Fig. E

6.3.4. AppleTalk Zone

By clicking on the blue button to the right of AppleTalk Zone, in the **General** section of the **Configuration** menu, you will be taken to the **AppleTalk** Zone page. From here you can modify the AppleTalk Zone to which the LaCie Ethernet Disk mini is attached. If you have altered the AppleTalk Zone, click the **Submit Changes** button to activate your changes (*fig. F*).

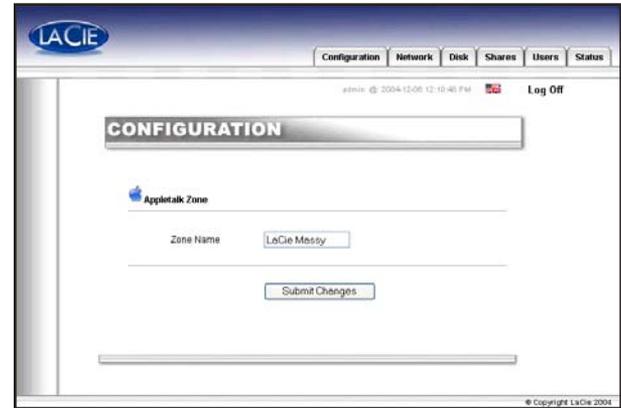


Fig. F

6.3.5. Select a Time Zone

By clicking on the blue button to the right of Time Zone, in the **General** section of the **Configuration** menu, you will be taken to the **Time Zone** page. From here you can modify the Time Zone to which the LaCie Ethernet Disk mini is attached. If you have altered the Time Zone, click the **Submit Changes** button to activate your changes. (*fig. G*).

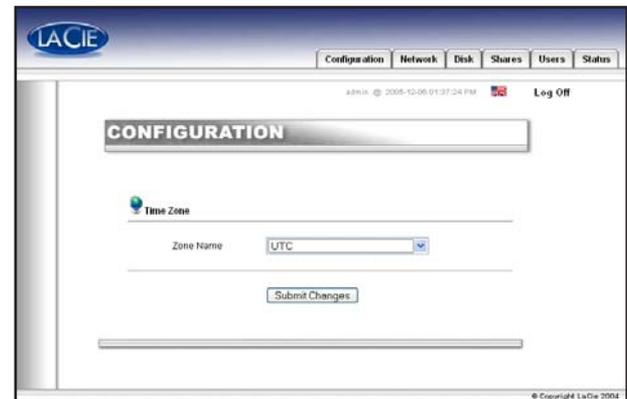


Fig. G

6.3.6. Change Date And Time

By clicking on the blue button to the right of **Current Date**, in the **General** section of the **Configuration** menu, you will be taken to the **Current Date And Time** page. From here you can modify the date and time settings of the LaCie Ethernet Disk mini. If you have altered the date and time, click the **Submit Changes** button to activate your changes (*fig. H*).

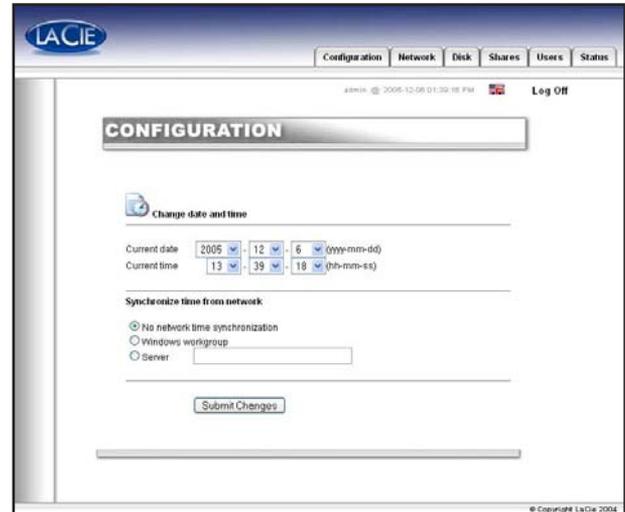


Fig. H

6.3.7. Network Synchronization

By clicking on the blue button to the right of **Current Date**, in the **General** section of the **Configuration** menu, you will be taken to the **Change Date And Time** page. From here you can modify the network synchronization settings of the LaCie Ethernet Disk mini. If you have altered the date and time, click the **Submit Changes** button to activate your changes.

There are two ways to set up network synchronization: first, opt to manually assign time and date settings (*fig. I*):

1. First, input time and date settings.
2. Then, select the source (Windows workgroup or specify server name).

The second way to set up synchronization is to select the Windows Workgroup or server and to enter the server name.

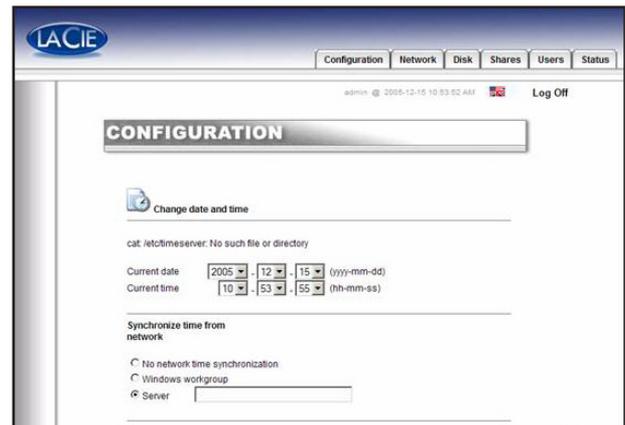


Fig. I

6.3.8. Restart/Shutdown

At the bottom of the Configuration menu, you can press either the Restart button or Shutdown button. By clicking on either of the buttons, a prompt will appear to alert you to which process is taking place.

6.4. Network Menu

By clicking on the **Network** tab, you will be brought to the Network page, where you can view information about the LaCie Ethernet Disk mini's IP configuration. From this page, you can also modify the IP configuration of the LaCie Ethernet Disk mini (*fig. A*).

6.4.1. IP Configuration

By clicking on the blue button to the right of the Ethernet controller, you will be brought to the IP Configuration page, where you can modify the IP configuration of the LaCie Ethernet Disk mini. There are two alternative methods for determining the LaCie Ethernet Disk mini's IP address: **The Obtain Configuration From DHCP Server** or **Configure Manually**.

Obtain Configuration From DHCP Server

This method is utilized when the LaCie Ethernet Disk mini is connected to a DHCP enabled network with a DHCP server. In this case, the server provides the IP address for the LaCie Ethernet Disk mini.

IMPORTANT INFO: If DHCP is enabled, but there is not a DHCP server available on the network, the LaCie Ethernet Disk mini will use the IP configuration that is specified in the *Use The Following IP Address* section below (if set).

Configure Manually

This method is utilized when the LaCie Ethernet Disk mini is connected to a non-DHCP enabled network. In this case, you will need to manually assign the correct network settings for your LaCie Ethernet Disk mini. Please refer to your network administrator for more information about your network and which parameters you should use (*fig. B*).

IP Address – This is the IP address that you want to assign to the LaCie Ethernet Disk mini.

Subnet Mask – This is the subnet mask that is associated with the LaCie Ethernet Disk mini's assigned IP address.

Default Gateway – This is the default IP address of the Gateway that is available for the specified network.

DNS Server – This is the IP address of the DNS server which handles the routing and resolution of names.

TECHNICAL NOTE: If you have a small home network with a router, the Gateway and DNS Server address will be the local IP address of your router.

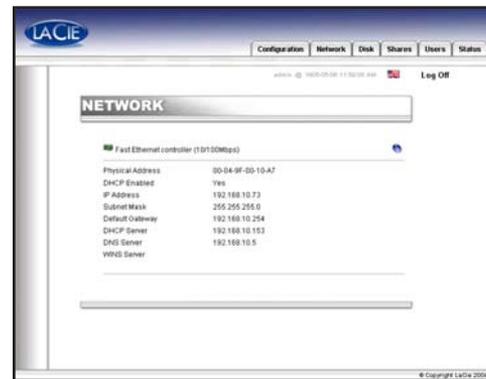


Fig. A

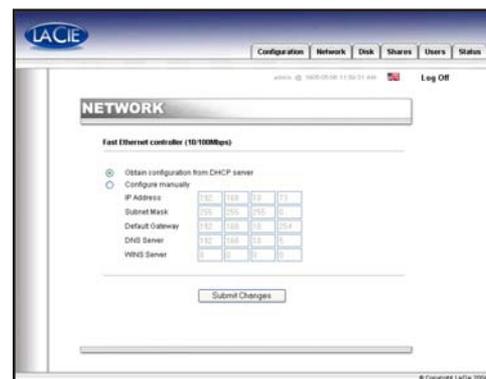


Fig. B

6.5. Disk Menu

By clicking on the **Disk** tab, you will be brought to the main page of the **Disk** menu. From this window you can see details about your LaCie Ethernet Disk mini's interface, volume size, used and free space and file system being used (*fig. A*).

6.5.1. Reformatting The Disk

By clicking on the **Format** button, you will launch the **Format a disk** window, where you will be issued a warning about the formatting process. Read the warning before continuing. Click the **Format** button to continue, or the **Close this window** button to quit the process (*fig. B*).

IMPORTANT INFO: The LaCie Ethernet Disk mini is pre-formatted with the FAT 32 file system, and this process will only allow you to re-format the drive as a FAT 32 volume. The LaCie Ethernet Disk mini can also support other file systems, but with significant limitations while being accessed via a network. See 8. [File System Capabilities](#), for more information on file systems and operating systems.

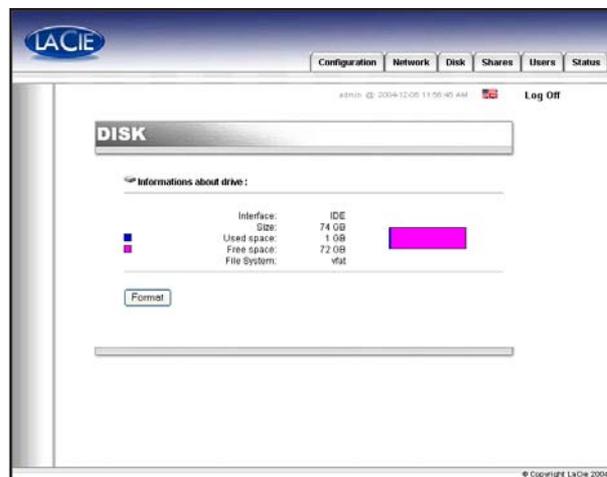


Fig. A

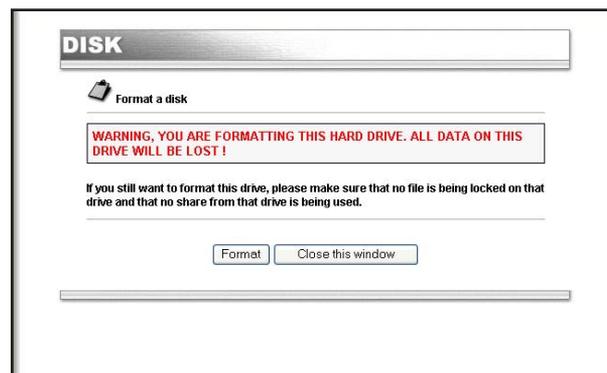


Fig. B

CAUTION: If the LaCie Ethernet Disk mini is formatted as an Ext 2/3 volume, the data will only be accessible to users on a Linux system through USB.

6.6. Shares Menu

By clicking on the **Shares** tab, you will be brought to the main page of the **Shares** menu. From this window you will be able to select a share and to modify its properties. You can choose from Windows, Apple, Bonjour, HTTP or FTP (*fig. A*).

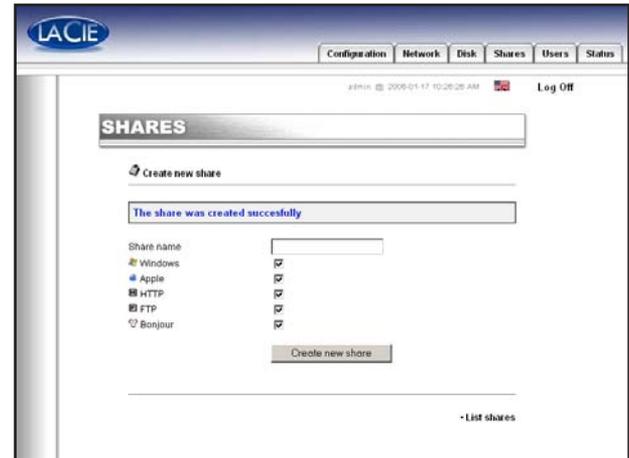


Fig. A

6.6.1. Create New Share

By clicking on the Create new share line in the **Shares** menu, you will be able to create a new share. From this window you will be able to enable the protocol which will be used to access the LaCie Ethernet Disk mini's share. You can choose from Windows, Apple, Bonjour, HTTP or FTP (*fig. B*).



Fig. B

6.6.2. Edit A Share

By clicking on the blue button to the right of a share's name, you will be able to modify a share's properties. From this window you will be able to change properties of your share, such as changing the share's name, modifying their path and enabling/disabling protocols which will be used to access the share and give users privileges (either read-only or read-write) (fig. C).

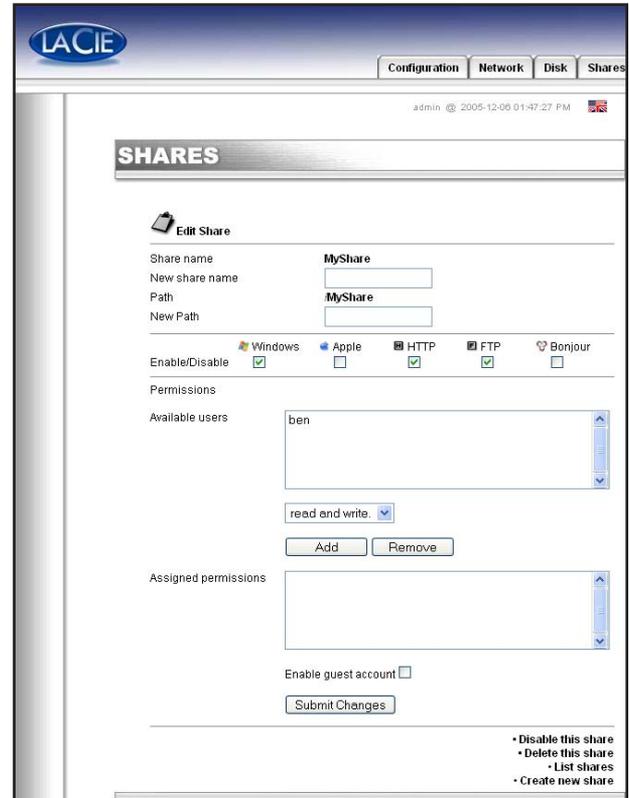


Fig. C

6.7. Users Menu

By clicking on the **Users** tab, you will be brought to the main page of the **Users** menu. From this window you will be able to manage your users by creating new users and modifying their password and USB access privileges (either read-only, read-write, or none), as well as changing the Administrator's password (*fig. A*).

TECHNICAL NOTE: By default, newly created users do not have access to any shares.



Fig. A

6.7.1. Add A User

By clicking on the **Add new user** line in the **Users** menu, you will be able to create a new user and assign them a name, password and USB access privileges (*fig. B*).

CAUTION: User name, share name, and passwords can be composed of only letters and numbers and cannot contain any special characters such as %\$&{ _@...

IMPORTANT INFO: When the Ethernet Disk mini is plugged in via USB, the user can access every share. The administrator can assign a user a read/write or read-only access via USB.



Fig. B

6.7.2. Edit a User

By clicking on the blue button to the right of a user's name, you will be able to modify a user's USB rights and password, as well as delete a user (*fig. C*).

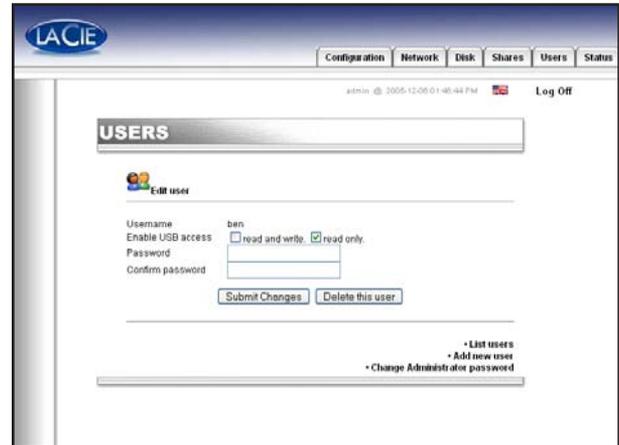


Fig. C

6.7.3. Change Administrator Password

By clicking on the **Change administrator password** line, you will be taken to the **Change Administrator password** page, where you can alter the default administrator password to a custom password of your own choosing. For security purposes, it is recommended that you alter the default password, and write down and store the new password in a secure location (*fig. D*).

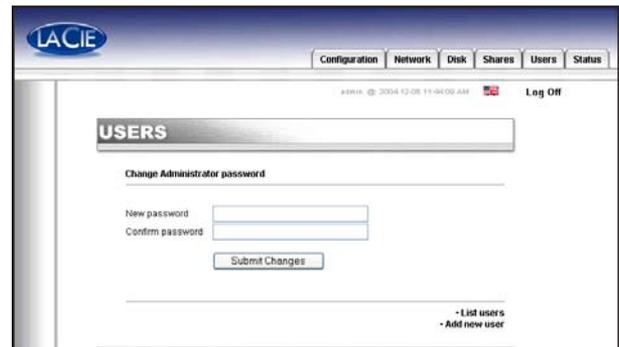


Fig. D

6.8. Status Menu

By clicking on the **Status** tab, you will be brought to the main page of the **Status** menu. From this window you can view the number of connected users, disable file server services (Windows, Apple, HTTP, FTP and Bonjour) and view the system log. To disable a service, simply click the **Disable** button that corresponds to the service which you wish to disable (*fig. A*).

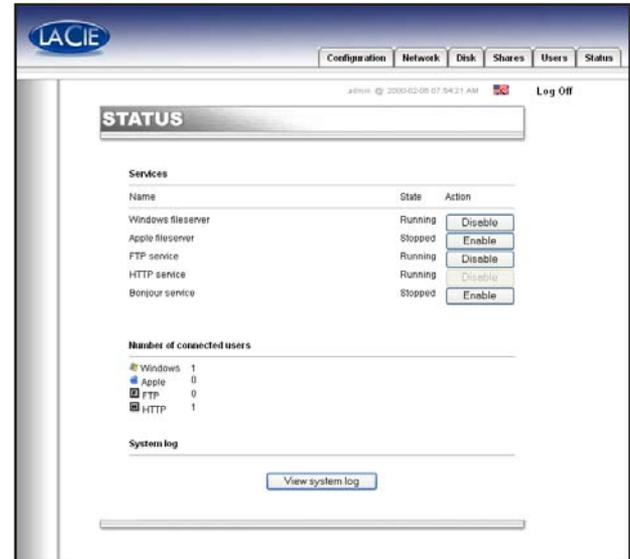


Fig. A

6.8.1. System Log

By clicking the **View system log** button in the **Status** menu, you will be taken to the **System log window**, where you can review the type, date, time, source and event ID of activities on the LaCie Ethernet Disk mini. Click the **Clear Log** button to start a fresh log (*fig. B*).



Fig. B

CAUTION: The system log gives information for support purpose and advanced users. Sometimes warning messages can be edited which do not affect the disk.

7. Using The LaCie Ethernet Disk mini Via USB

By utilizing the USB interface, you can connect the LaCie Ethernet Disk mini directly to a single computer, and access it and use it as you would any direct-attach external hard drive.

IMPORTANT INFO: When using the USB interface, the LaCie Ethernet Disk mini can not be accessed by the Web Administration Page, or used by any network users.

7.1. Getting Connected

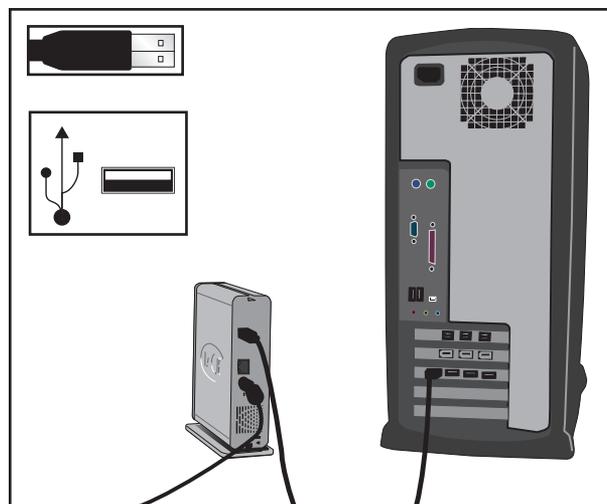
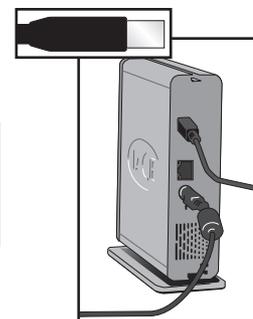
1. Connect the Hi-Speed USB 2.0 cable into the Hi-Speed USB 2.0 port on the back of the LaCie Ethernet Disk mini.

TECHNICAL NOTE: To achieve Hi-Speed USB 2.0 data transfer rates you need to be connected, either directly to the computer or through a hub, to a Hi-Speed USB 2.0 host interface. Otherwise, you will be limited to USB 1.1 speeds.

2. Connect the other end of the Hi-Speed USB 2.0 cable into an available USB port* on your computer. Your drive should power on automatically after connecting the USB cable.
3. It may take a few seconds for your computer to recognize the drive and for it to appear on the desktop or in **My Computer**. Once it appears, the LaCie Ethernet Disk mini's **LogOn** tool should start automatically.

IMPORTANT INFO: If the **LogOn** tool does not start automatically, double-click on the icon for the LaCie Ethernet Disk mini and then double-click on the **LogOn** tool's icon.

If there are no registered users (which will be the case if the LaCie Ethernet Disk mini has not been connected via Ethernet and User accounts created through the Web Administration Page), just click on the Log In button to access the LaCie Eth-



ernet Disk mini. The first time your ED mini is plugged in via USB, please enter [admin](#) as login and [admin](#) as password to get access to the drive. If you have already set up user accounts (see section 6.7. [User's Menu](#)), enter your **User Name** and **Password** and click on the **Log In** button to access the drive.



IMPORTANT INFO: When connecting via USB, make sure to disconnect the network cable.

7.2. Configuring The LaCie Ethernet Disk mini

There are two different options for changing or checking the IP address of the LaCie Ethernet Disk mini, based upon the method being used to connect the LaCie Ethernet Disk mini. The Ethernet method is covered in section 4. [Configuring Your Drive](#).

When using the USB interface, the LogOn window will automatically appear at the first connection. If it does not display on first connection or you want to open the program later, simply open the LaCie Ethernet Disk mini and start the EDmini LogOn application.

From this window (*fig. A*), press the **Advanced** button, which will launch the **Advanced** window (*fig. B*).

The **Advanced** window will allow you to verify or modify the LaCie Ethernet Disk mini's network configuration. The left-side of the Advanced window will display a list of all of the LaCie Ethernet Disk minis that are detected on the local USB bus (if there are other LaCie Ethernet Disk minis attached via Ethernet, they will not be detected. Only LaCie Ethernet Disk minis attached via USB will be detected by the EDmini LogOn application).

IMPORTANT INFO: If DHCP is enabled, but there is not a DHCP server available on the network, the LaCie Ethernet Disk mini will use the IP configuration that is specified in the Configure manually section.

The right-side of the Advanced window will display the network configuration information of the LaCie Ethernet Disk minis that are attached:

MAC Address – This represents the Media Access Control (MAC) address of the LaCie Ethernet Disk mini's unique hardware number.

Computer Name – This is the name that is used to identify the LaCie Ethernet Disk mini over the network. The default name is "EDmini," but you may modify the name.



Fig. A

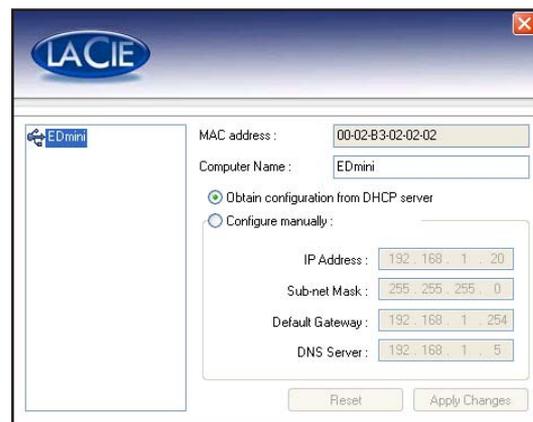


Fig. B

7.3. To Assign a Static IP Address via USB

1. Verify that your Ethernet Disk mini is turned off and detached from network or USB connections.
2. Plug in the power chord to the outlet and the Ethernet Disk mini. Connect the USB chord to the host computer and to the Ethernet Disk mini. The Ethernet Disk mini should turn on automatically when the USB connected is established.
3. **PC Users:**
In my computer, the **Edmini LogOn** icon should appear. Double-click this icon.
- Mac Users:**
The **Edmini LogOn** icon should appear on the desktop. Double-click this icon.
4. In the window that appears, double-click the icon **Edmini LogOn**.
5. In the window that appears, click the **Advanced** button (*fig. B*).
6. Click **Configure Manually**.
7. Modify network settings. When finished, click **Apply Changes**.
8. Close the **Advanced Window** by clicking the red **X** in the upper right hand corner.
9. Click **Login**.

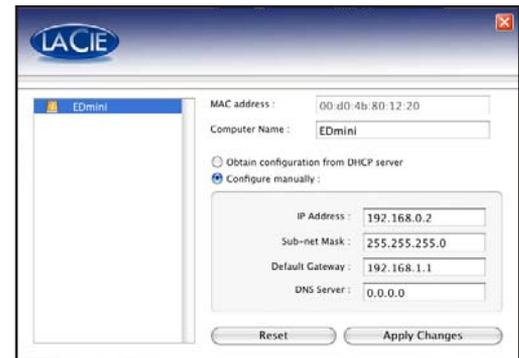


Fig. B

7.4. Disconnecting The LaCie Ethernet Disk mini

USB external devices feature “plug & play” connectivity, which means that your drive can be connected and disconnected while the computer is running. To prevent failures, it is important you follow these steps when disconnecting your USB peripheral device.

CAUTION: Do not disconnect the USB cable when the drive is reading or writing. Disconnecting while the drive is operating could cause the loss of data. Make sure that your drive is not reading or writing and that the activity LED is off before disconnecting the USB cable.

Windows Users

1. From the **System Tray** (located in the lower right-hand side of your screen), click on the **Eject icon** (a small green arrow over a hardware image) (*fig. A*).
2. A message will appear, detailing the devices that the Eject icon controls, i.e. “Safely remove...” Click on this prompt.
3. You will then be given the following message: “Safe to Remove Hardware” (or similar). It is now safe to disconnect the device.



Fig. A

Linux Users

1. Open a terminal as root and type `umount /mnt / EDmini`.
2. Use a graphical tool to unmount the ED mini disk from your desktop

Mac Users

You must unmount the hard drive system before disconnecting it or powering it down. To do this, simply drag the hard drive icon to the trash.

The drive can now be disconnected and switched off.

CAUTION: Make sure your drive is unmounted before unplugging the USB cable.

8. File System Capabilities

File System Capabilities over the Network

| | Maximum File Size Transfer | | | |
|-----------------------------------|----------------------------|-------|------------|-----------|
| Network Protocols | FAT32 | EXT3* | HFS/HFS+** | NTFS |
| <i>SMB (Mac/Win) AFP Mac v3.x</i> | < 4GB | none | < 2GB | read only |
| <i>FTP</i> | < 4GB | < 4GB | < 2GB | read only |
| <i>FTP Client</i> | < 4GB | < 4GB | < 2GB | read only |

* Formatted as EXT3, Ethernet Disk mini won't work via USB

** Not recommended to reformat in HFS+, as it causes the Ethernet Disk mini to be unstable when transferring large files

File System Capabilities over USB

| | Maximum File Size Transfer | | |
|----------------------------------|----------------------------|------|----------|
| Operating System | FAT32 | EXT3 | HFS/HFS+ |
| <i>Windows 2000/XP</i> | < 4GB | N/A | N/A |
| <i>Mac OS 10.2 & Higher</i> | < 4GB | N/A | none |
| <i>Linux 2.4.20 & Higher</i> | < 4GB | none | N/A |

9. Troubleshooting

In the event that your LaCie Ethernet Disk mini is not working correctly, please take a look at the Troubleshooting section on the following pages and at the FAQs published on our web site – www.lacie.com. One of these FAQs may provide an answer to your specific question. You can also visit the drivers pages, where the most recent software updates will be available.

If you need further assistance, please contact your LaCie reseller or LaCie Technical Support (see 10. [Contacting Customer Service](#) for details).

Manual Updates

LaCie is constantly striving to give you the most up-to-date, comprehensive User Manuals available on the market. It is our goal to provide you with a friendly, easy-to-use format that will help you quickly install and utilize the many functions of your new device.

If your manual does not reflect the configurations of the product that you purchased, please check our Web site for the most current version available.

Drive Updates

Be sure to check <http://www.lacie.com/> support for the latest information and updates.

| Problem | Questions to Ask | Solutions |
|--|---|---|
| The drive is not recognized by the computer. | Does your computer's configuration meet the minimum system requirements? | Check section 2.1. Minimum System Requirements for more information. |
| | Is the drive's power supply connected and is the blue light on the front of the drive on? | Make sure that the power supply is properly connected (see section 3.3. Connecting The External Power Supply for details); that the drive has been powered on by pressing the blue On/Off button on the front of the drive; and that the outlet the power supply is connected to is powered on or has a sufficient supply of power. |
| | Is the blue light on the front of the drive flickering? | If the blue light is flickering or will not turn on, the power supply may be defective. Please contact your LaCie reseller or LaCie Customer Support. |
| | Did you follow the correct installation steps for the specific interface? | Review the installation steps – USB: 7.1. Getting Connected and Ethernet: 5.1. Accessing the Drive via the Network . The two cables cannot be connected at the same time. |
| | Are both ends of the interface cable firmly connected? | <ul style="list-style-type: none"> • Disconnect the interface cable, wait 10 seconds and then reconnect. • Ensure that the interface connectors are properly aligned. The interface cables can only be inserted one way. Make sure that they are correctly oriented. • Check that the interface connectors are straight and fully seated in the interface ports. • Only use certified interface cables, such as the cables provided with your LaCie drive. <p>If you have followed all of these steps and the drive is still not recognized, shut down your computer, wait 3 to 5 minutes, restart your computer and try again. In the event that the drive is still not recognized, take the drive to another computer and attempt to connect the drive. If the drive is not recognized on another computer, please contact your LaCie reseller or LaCie Customer Support.</p> |

| Problem | Questions to Ask | Solutions |
|---|--|--|
| <p>The drive doesn't appear on the network.</p> | <p>By default the Ethernet Disk mini is configured to retrieve its IP address from a DHCP server.</p> <p>If your network is managed by a DHCP server and you cannot access your Ethernet Disk mini, try to check your DHCP server's log. To get the IP address, map the network with the LaCie IP configurator software tool, which is located on the LaCie Storage Utilities CD-ROM.</p> <p>If your network is NOT managed by a DHCP server, the Ethernet Disk mini uses its default IP address, which is 192.168.1.100.</p> <p>To change this IP address via the network, use the LaCie IP Configurator software tool. Otherwise you can use the Edmini LogOn tool in order to change this default IP address. See 7.3. To Assign a Static IP Address via USB Connection for more information.</p> | |
| | <p>Is the IP address properly set?</p> | <p>For more information, please see section 5. Accessing the Drive on the Network.</p> |
| | <p>Is your network DHCP enabled?</p> | <p>If your network is DHCP enabled, please refer to sections 4. Configuring Your Drive and 6. Using the LaCie Ethernet Disk mini Web Administration Page.</p> <p>If your network is not DHCP enabled, you will need to manually configure the address; please see section 4.2. On a LAN with no DHCP for more information.</p> |
| | <p>Are you using AppleTalk under Mac OS 9.x?</p> | <p>If you are using AppleTalk under Mac OS 9.x, ensure that the LaCie Ethernet Disk mini and the other clients on the network are in the same AppleTalk zone.</p> |
| <p>A user does not have access to the LaCie Ethernet Disk mini.</p> | <p>Has the administrator created that specific user?</p> | <p>In order for a another user to access the LaCie Ethernet Disk mini, two conditions must be met: 1) the administrator must create and register a user with the appropriate privileges; 2) the LaCie Ethernet Disk mini must be connected to the network via Ethernet for additional users to access the drive. Otherwise, when the LaCie Ethernet Disk mini is attached via USB, it can only be accessed by the user who's computer the drive is connected to.</p> |

| Problem | Questions to Ask | Solutions |
|---|--|---|
| Using the LaCie Ethernet Disk mini with Gigabit Ethernet networks. | Is the LaCie Ethernet Disk mini compatible with Gigabit Ethernet networks? | Yes, the LaCie Ethernet Disk mini is compatible with Gigabit Ethernet networks, but it requires an Ethernet 100Mb/1Gb switch (sold separately). Please contact your LaCie reseller or LaCie Customer Support for more information. |
| The drive is not running noticeably faster when connected via Hi-Speed USB 2.0. | Is the drive connected to a USB port on your computer, or to a USB hub? | If your drive is connected to a USB port or hub, this is normal. A Hi-Speed USB 2.0 device can only operate at Hi-Speed USB 2.0 performance levels when it is connected directly to a Hi-Speed USB 2.0 port or hub. Otherwise, the Hi-Speed USB 2.0 device will operate at the slower USB transfer rates. |
| | Is the drive connected to a Hi-Speed USB 2.0 port on your computer? | Check to see that the Hi-Speed USB 2.0 drivers for both your host bus adapter and device have been installed correctly. If in doubt, uninstall the drivers and re-install them. |
| | Does your computer or operating system support Hi-Speed USB 2.0? | See section 2.1. Minimum System Requirements for more information. |
| | Are you using a certified Hi-Speed USB 2.0 cable to connect your drive? | Ensure that the cable you are using has been properly certified. The Hi-Speed USB 2.0 cable that was shipped with your LaCie drive has been properly certified and tested to comply with USB standards. |
| A large file will not copy to the Ethernet Disk mini. | | The Ethernet Disk mini is formatted as a FAT32 file system. The FAT32 format limits file size transfers to 4GB via USB and 4GB via the network. Try using a file compression tool to reduce the size of your file to less than 4GB. |
| It doesn't work when I attach a USB drive to the USB port. | | The USB port can only be used to directly attach the Ethernet Disk mini to a PC via USB. |
| Some files are no longer visible or accessible on my drive. | | Every file stored via AFP protocol (via a Mac) with a name including specific characters (\ / : * ? " < >) won't be visible from another client with a different OS. |

| Problem | Questions to Ask | Solutions |
|--|------------------|---|
| The drive has disconnected from the network. | | <p>Did you try to transfer a file with a size over 4GB? If so, you will get an error message and the Ethernet Disk mini will disconnect from the network. To access the drive, you should map the network again with the LaCie IP Configurator.</p> <p>When using the LaCie Ethernet Disk mini default FAT32 format, the file size limit for a single file is 4GB via USB and ethernet. An individual file which is 4GB or larger cannot be copied to the LaCie Ethernet Disk mini.</p> |
| I only see a few MBs mounting on my desktop when plugging in my drive via USB. | | <p>These MBs correspond to the logon tool. Click on this software application and enter your logon and password to get access to the drive.</p> <p>If you are not a registered user, please register your profile via the network on to the administration page. http://edmini</p> |

10. Contacting Customer Support

Before You Contact Technical Support

1. Read the manuals and review the Troubleshooting section.
2. Try to isolate the problem. If possible, make the drive the only external device on the CPU, and make sure that all of the cables are correctly and firmly attached.

If you have asked yourself all of the pertinent questions in the troubleshooting checklist, and you still can't get your LaCie drive to work properly, contact us via the provided Web link. Before contacting us, make sure that you are in front of your computer and that you have the following information on hand:

- Your LaCie drive's serial number
- Operating system (Mac OS or Windows) and version
- Computer brand and model
- Names of CD or DVD drives installed on your computer
- Amount of memory installed
- Names of any other devices installed on your computer

LaCie Technical Support

| | |
|--|--|
| LaCie Asia, Singapore, and Hong Kong Contact us at: http://www.lacie.com/asia/contact/ | LaCie Australia Contact us at: http://www.lacie.com/au/contact/ |
| LaCie Belgium Contact us at: http://www.lacie.com/be/contact/ | LaCie Canada Contact us at: http://www.lacie.com/caen/contact/ (English) |
| LaCie Denmark Contact us at: http://www.lacie.com/dk/contact | LaCie Finland Contact us at: http://www.lacie.com/fi/contact/ |
| LaCie France Contact us at: http://www.lacie.com/fr/contact/ | LaCie Germany Contact us at: http://www.lacie.com/de/contact/ |
| LaCie Italy Contact us at: http://www.lacie.com/it/contact/ | LaCie Japan Contact us at: http://www.lacie.co.jp |
| LaCie Netherlands Contact us at: http://www.lacie.com/nl/contact/ | LaCie Norway Contact us at: http://www.lacie.com/no/contact/ |
| LaCie Spain Contact us at: http://www.lacie.com/es/support/request/ | LaCie Sweden Contact us at: http://www.lacie.com/se/contact |
| LaCie Switzerland Contact us at: http://www.lacie.com/chfr/contact/ | LaCie United Kingdom & Ireland Contact us at: http://www.lacie.com/uk/support/request/ |
| LaCie USA Contact us at: http://www.lacie.com/contact/ | LaCie Grand Export Contact us at: http://www.lacie.com/intl/contact/ |

11. Warranty

LaCie warrants your drive against any defect in material and workmanship, under normal use, for the period designated on your warranty certificate. In the event this product is found to be defective within the warranty period, LaCie will, at its option, repair or replace the defective drive.

This warranty is void if:

- The drive was operated/stored in abnormal use or maintenance conditions;
- The drive is repaired, modified or altered, unless such repair, modification or alteration is expressly authorized in writing by LaCie;
- The drive was subjected to abuse, neglect, lightning strike, electrical fault, improper packaging or accident;
- The drive was installed improperly;
- The serial number of the drive is defaced or missing;
- The broken part is a replacement part such as a pickup tray, etc.
- The tamper seal on the drive casing is broken.

LaCie and its suppliers accept no liability for any loss of data during the use of this device, or for any of the problems caused as a result.

LaCie will not, under any circumstances, be liable for direct, special or consequential damages such as, but not limited to, damage or loss of property or equipment, loss of profits or revenues, cost of replacement goods, or expense or inconvenience caused by service interruptions.

Any loss, corruption or destruction of data while using a LaCie drive is the sole responsibility of the user, and under no circumstances will LaCie be held liable for the recovery or restoration of this data.

Under no circumstances will any person be entitled to any sum greater than the purchase price paid for the drive.

To obtain warranty service, call LaCie Technical Support. You will be asked to provide your LaCie product's serial number, and you may be asked to furnish proof of purchase to confirm that the drive is still under warranty. All drives returned to LaCie must be securely packaged in their original box and shipped with postage prepaid.



IMPORTANT INFO: Register online for free technical support: www.lacie.com/register

Glossary

Backup – (1) The act of creating at least one additional copy of data onto a different (and safe) storage device from where it can be retrieved at a later time if needed. (2) A copy of a file, directory, or volume on a separate storage device from the original, for the purposes of retrieval in case the original is erased, damaged, or destroyed.

Bit – The smallest measure of computerized data, either a 1 or a 0. Eight bits equal one byte, or one character.

Block – A very small section of the storage media comprised of one or more sectors. A block is the smallest amount of space allocated on a drive for data storage. By default, a sector of data consists of 512 bytes.

Buffer – RAM cache that is faster than the data that is being delivered. Buffers are used so data may be stored and delivered to the receiving item as it is needed.

Bus – Electronic links that enable data to flow between the processor, RAM and extension cables (peripherals).

Byte – A sequence of adjacent binary digits, or bits, considered as a unit, 8 bits in length. There are 8 bits in 1 byte. See also MB (Megabyte) or GB (Gigabyte).

Cache, -ing – This is an area of electronic storage (usually RAM) set aside to store frequently used data from electro-mechanical storage (hard drives, floppy disks, CD/DVD-ROM, tape cartridges, etc.) Therefore, storing frequently used data in RAM can enhance your system's overall response to disk-intensive operations significantly.

Configuration – When talking about a PC, configuration is understood to be the sum of the internal and external components of the system, including memory, disk drives, the keyboard, the video subsystem and other peripherals, such as the mouse, modem or printer. The configuration also implies software: the operating system and various device managers (drivers), as well as hardware settings and options set by the user via configuration files.

Controller – This is a component or an electronic card (referred to in this case as a "controller card") that enables a computer to communicate with or manage certain peripherals. The controller manages the operation of the peripheral associated with it, and links the PC bus to the peripheral via a ribbon cable inside the PC. An external controller is an expansion card which fills one of the free slots inside your PC and which enables a peripheral (CD-ROM drive, scanner or printer, for instance) to be connected to the computer.

Cross-platform – Term that refers to a device that is able to be operated by both Mac and Windows operating systems.

Data Stream – The flow of data that accomplishes a task, usually related to moving data from storage to computer RAM or between storage devices.

Digital – Discrete information that can be broken down to zero or one bits.

Driver (peripheral manager) – A software component that enables the computer system to communicate with a peripheral. Most peripherals will not operate correctly – if at all – if the appropriate drivers are not installed on the system.

DHCP (Dynamic Host Configuration Protocol) – This is a communications protocol that allows network administrators to centrally manage and automate the assignment of Internet Protocol (IP) addresses in an organization's network. Using IP, each computer that connects to the Internet must have a unique IP address.

Ethernet – A LAN technology, based on the IEEE 802.3 standard. The most common Ethernet systems are 10BASE-T, which provides transmission speeds up to 10Mb/s, and 100BASE-T (also known as Fast Ethernet), which provides transmission speeds up to 100Mb/s.

File System – Links the physical map of a disc to its logical structure. Thanks to the file system, users and computers can easily display path, directories and files recorded onto the disc.

FTP (File Transfer Protocol) – This is a standard Internet protocol that uses the Internet's TCP/IP protocols to exchange files between computers on the Internet. It is commonly used to download programs and other files to a computer from a server.

Firmware – Permanent or semi-permanent instructions and data programmed directly into the circuitry of a programmable read-only memory or an electronically-erasable, programmable read-only memory chip. Used for controlling the operation of the computer or tape drive. Distinct from the software, which is stored in random access memory and can be altered.

Folder – A list created on a disk to store files. Creating folders and sub-folders enables you to organize the storage of your files in a logical, hierarchical manner so that you can find and manage them more easily.

Format, -ting, -ted – This is a process where a device is prepared to record data. In this process, the hard disk writes special information onto its own recording surfaces into areas (blocks) that are ready to accept user data. Since this operation causes all current user data stored on the hard disk to be lost, this is an infrequent operation that usually only happens at the factory that created the hard disk. It is unusual for something to happen to a hard disk that requires the end-user to initially perform this operation.

GB (GigaByte) – This value is normally associated with data storage capacity. Basically, it means a thousand million or a

billion bytes. In fact, it equals 1,073,741,824 bytes (or $1,024 \times 1,024 \times 1,024$).

Hardware – Physical components of a computer system, including the computer itself and peripherals such as printers, modems, mice, etc.

Host Bus Adapter (HBA) – A printed circuit board that installs in a standard microcomputer and an interface between the device controller and the computer. Also called a controller.

HTTP (Hypertext Transfer Protocol) – This is the set of rules for exchanging files (i.e. text, images, audio, video, etc.) on the World Wide Web. HTTP is an application protocol, relative to the TCP/IP suite of protocols that form the basis for exchanging information on the Internet.

Initialize, -ed, Initialization – After a hard drive (or other storage device) is formatted and partitioned, some special data needs to be written to it that helps the Mac and Windows create files and save data. The process is called initialization. This process, like formatting, causes all user data on the storage device to be lost.

Internet – A collection of networks whose users communicate with one another. Each communication carries the address of the source and destination networks and the particular machine within the network associated with the user or host computer on each end.

IP (Internet Protocol) – This is the protocol that controls how data is sent from one computer to another on the Internet.

IP Address – This is a number (either 32-bit for Internet Protocol Version 4, or 128-bit for Internet Protocol Version 6) that identifies each sender or receiver of information that is sent in packets across the Internet.

Interface – The protocol data transmitters, data receivers, logic and wiring that link one piece of computer equipment to another, such as a hard drive to an adapter or an adapter to a system bus. Protocol means a set of rules for operating the physical interface, such as: do not read or write before the drive is ready.

I/O (Input/Output) – Refers to an operation, program or device whose purpose is to enter data into or to extract data from a computer.

Kb (Kilobit) – Equivalent to 1,000 bits.

Kb/s – Kilobits per second. 480Kb/s is equal to 60KB/s.

KB (KiloByte) – Basically, this means 1,000 bytes, but it is actually 1,024 bytes.

KB/s – Kilobytes per second. A means of measuring throughput.

LAN (Local Area Network) – A group of computers and associated devices that share a common communication line and typically share the resources of a single processor or server within a small geographic area.

Mb (Megabit) – Equivalent to 1,000,000 bits.

Mb/s – Megabits per second. A means of measuring throughput. 480Mb/s is equal to 60MB/s.

MB (Megabyte) – Basically means one million bytes, but is actually 1,024 Kilobytes or 1,024 x 1,024 bytes, which equals 1,048,576 bytes.

MB/s – Megabytes per second. A means of measuring throughput.

Media – The material or device used to store information in a storage subsystem, such as a tape cartridge, CD, DVD or disk drive.

Mount, -ing – To mount is to establish a software (nonphysical) link from a drive to a host computer.

Network – A series of points or nodes interconnected by communication paths. Networks can interconnect with other networks and contain subnetworks.

Operating System (OS) – Software that controls the assignment and use of hardware resources such as memory, processor time, disk space and peripherals. An operating system is the basis on which software (applications) run. Windows, Mac OS and UNIX are among the most common.

Overwrite – To write data on top of existing data thus erasing the original data.

Partition, -ing – After formatting, the hard drive is not yet ready to store files. It must be divided into sections that will contain special information required for a Mac or PC to operate and other sections that will contain the files. This process of dividing up the hard drive is called partitioning. A partition is just one section of the hard drive that will contain either special data put there by Silverlining or other files and data.

Peripheral – A generic term applied to printers, scanners, mice, keyboards, serial ports, graphics cords, disk drives and other computer subsystems. This type of peripheral often relies on its own control software, known as a peripheral driver.

Port, hardware – A connection component (SCSI port, for example) that enables a microprocessor to communicate with a

compatible peripheral.

Port, number – Used to identify a specific process to which an Internet or other network message is to be forwarded when it arrives at a server.

Port, software – A memory address that identifies the physical circuit used to transfer information between a microprocessor and a peripheral.

Protocol – In IT terminology, this describes the special set of rules that end points in a telecommunication connection use when they communicate.

RAM (Random Access Memory) – Generally referred to as a computer’s “memory.” An integrated circuit memory chip that allows information to be stored and retrieved by a microprocessor or controller. The information can be stored or accessed in any order, and all storage locations are equally accessible.

Seek Time – The amount of time (in thousandths of a second, or milliseconds) that it takes a hard drive’s read/write head to move to a specific location on the disk. Average seek, then, is the average of a large number of random samplings all over the disk. Seek time is CPU independent, meaning that seek time is the same for a disk drive, whether it is attached to a computer or not.

Software – In a nutshell, software is a set of instructions for the computer. A set of instructions to perform a particular task is called a program. There are two main types of software: system software (an operating system such as Mac OS or Windows) which controls the operation of the computer and application software (programs such as Word or Excel) which enable users to perform tasks such as word processing, spreadsheet creation, graphics, etc.

Storage – In computers, any equipment in which information may be kept. PCs generally use disk units and other external storage media (diskettes, CD-ROMs, magnetic disks, etc.) for permanent storage of information.

Striping – Spreading data evenly over multiple disk drives to enhance performance. Data striping can be performed on a bit, byte or block basis for optimum application performance.

Subnetwork (Subnet) – This is a separate, identifiable part of a network, such as all of the computers at one geographic location, in one building or on the same local area network. Subnets make it possible to have an organization’s network connected to the Internet with a single, shared network address.

Transfer Rate – The rate at which the drive sends and receives data from the controller. Transfer rates for reading data from the disk drive may not be the same as the transfer rate for writing data to the disk drive. Transfer rates are CPU dependent,

meaning that regardless of how great a transfer rate your drive is capable of, the actual transfer rate can only be as fast as the slowest of your hard drive and computer.

TCP/IP (Transmission Control Protocol/Internet Protocol) – This is the basic communication protocol of the Internet. TCP/IP uses the client/server model of communication, in which a client (a computer user) requests and is provided a service (such as a Web page) by another computer (a server) in the network.

Volume – A desktop mountable storage area, may be a partition of a hard drive, a removable disk or a cartridge. Typically measured in Megabytes or Gigabytes.

UDP (User Datagram Protocol) – This is a communications protocol that allows a limited amount of service when messages are exchanged between computers in a network that uses the Internet Protocol (IP). UDP uses the IP to get a data unit (a datagram) from one computer to another, but does not sequence the packets that the data arrives in. UDP also provides port numbers to distinguish different user requests, and an optional checksum capability to verify that the data arrived intact.

Unmount, -ing – To unmount is to sever a drive's software (nonphysical) link to a host computer.

Update – A new software version, released to improve functionality or to fix bugs.

Utility – Software designed to perform maintenance tasks on the system or its components. Examples include backup programs, programs to retrieve files and data on disk, programs for preparing (or formatting) a disk or and resource editors.