

**WARNING** - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**CAUTION** - TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**DANGER** - THIS DEVICE CONTAINS A CLASS 1 LASER DEVICE. INVISIBLE LASER RADIATION WHEN OPENED AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

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[www.FantomDrives.com](http://www.FantomDrives.com)



#### FCC Compliance Statements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate frequency energy and, if not installed and used in accordance with the instructions, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance 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

11-22-2009

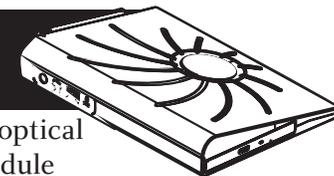
nbmm Rev B

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Netbook  
*Mate*



Docking Station by Fantom Drives with optical multidrive and removable USB disk module



# QuickStart Installation Guide

## Windows & Mac

Thank you for choosing Fantom Drives! Your Fantom Drives Netbook Mate has been built to the highest standard of quality and workmanship and, when used according to the instructions in this guide, will provide years of trouble-free operation. We at Fantom Drives take great pride in bringing personal satisfaction to each of our customers.

Your Netbook Mate is compatible with all USB-capable Apple Macintosh computers running MacOS 10.4.11 (or greater) and PC-Compatible computers running Windows XP, Windows 2003, Windows Vista, and Windows 7.

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## One Year Limited Warranty

Fantom Drives warrants this product (the "Product") against defects in material or workmanship as follows:

1. LABOR: For a period of one (1) year from the original date of purchase from Fantom Drives or its authorized reseller, Fantom Drives will repair defective Product (or, at its option, replace with a new or recertified product) at no charge. After this 1 year period, you must pay for all labor charges.
2. PARTS: For a period of one (1) year from the original date of purchase from Fantom Drives or its authorized reseller, Fantom Drives will supply, at no charge, new or rebuilt replacement parts in exchange for defective parts of this Product. Any replacement parts will be warranted for the remainder of the original warranty period or ninety (90) days from installation by Fantom Drives. All exchanged parts replaced under this warranty will become the property of Fantom Drives.

This warranty only covers the hardware components packaged with the Product. This warranty does not cover any software contained in, or included with, the Product; any such software is provided "AS IS". Please refer to any documentation included with the software for your rights and obligations with respect to the software.

This warranty extends only to you, the original purchaser. It is not transferable to any one who subsequently purchases the Product from you.

Proof of purchase in the form of a bill of sale (which is evidence that the Product is within the warranty period) must be presented to obtain warranty service.

To obtain warranty service you must take the Product, or deliver the Product freight prepaid, in either its original packaging, or in a package that provides the Product with a degree of protection equivalent to that of the original packaging, to Fantom Drives. Please contact Fantom Drives at the number listed on the rback cover for further information.

Fantom Drives is not responsible for any damage to, or loss of, any programs, data, or other information stored on any media or any part of any Product serviced hereunder. Be sure to remove all features, parts, options, alterations, and attachments not under warranty prior to returning the Product to Fantom Drives. Fantom Drives is not liable for any loss or damage to these items.

This limited warranty does not cover: (1) any consumables (such as batteries) supplied with this product; cosmetic damages; damage or loss to any software programs, data or removable storage media; or damage due to the Product such as but not limited to excessive heat or humidity, or modifications of this Product; (2) improper installation, operation, testing or maintenance of this Product; (3) power failure or connection to improper voltage supply; or; (4) attempted repair by any party other than Fantom Drives. This Warranty does not apply when the malfunction results from the use of this Product in conjunction with accessories, products or ancillary or peripheral equipment, or where it is determined by Fantom Drives that there is no fault with this Product itself.

This Limited Warranty is invalid if the factory applied serial number has been altered or removed from the Product.

Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Fantom Drives shall not be liable for any incidental or consequential damages for breach of any express or implied warranty, breach of contract, negligence, strict liability or any other legal theory related to this product. Such damage include, but are not limited to, loss of profits, loss of data, loss of use of the product or any associated equipment, down time and purchaser's time. Except to the extend prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration of this warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long on implied warranty lasts, so the above limitation or exclusions may not apply to you. This warranty gives you specific rights; you may have other rights which vary from state to state.

**Q: When I try to burn CDs, I get a “Sense Key” error or other burning failures**

A: This is usually caused by burning at faster speed than the media allows. Make sure the media you are writing to is compatible with the speed you are trying to burn. Here are some suggestions to successful burning:

- Try lowering the burn speed down
- Choose “Write CD” option instead of the “Write Session” option
- Optimize (defragment) your source hard disk drive
- The media used may be of low quality or incompatible- try another brand.

**Q: Can I use my Netbook Mate through a USB hub?**

A: Yes, as long as the hub is a powered hub and USB 2.0 compliant. Bus powered hubs do not work properly with mass storage devices. For best results Fantom Drives recommends connecting directly to a USB 2.0 port on the computer.

**Q: The solution didn’t work/I have a problem not listed on this page**

Fantom Drives offer additional troubleshooting resources on our web site at [www.FantomDrives.com/support](http://www.FantomDrives.com/support)

**Package Contents:**

- |                                 |                 |
|---------------------------------|-----------------|
| 1 Netbook Mate DVD Docking unit |                 |
| 1 Hard Disk Module              | 1 USB 2.0 Cable |
| 1 Users Manual                  | 1 Power Supply  |

**System Requirements:**

Microsoft Windows: PC desktop/laptop/netbook running Microsoft® Windows® XPSP3 or newer with an available USB 2.0 port.  
Mac OS: PCI PowerMac or newer running Apple® MacOS 10.4.11 or newer with an available USB 2.0 port

**Installation:**

1. Plug the AC adapter cord into the power port on the back of the drive. The plug should not require much effort to insert.
2. Plug the AC Adapter into an AC power outlet.
3. Connect the small USB 2.0 connector (USB mini) of the included USB cable to a the mini USB plug on the Netbook Mate, and the rectangular end to a free USB port on your computer.

**IMPORTANT: USB Plugs are shaped so they can only be properly inserted one way. Be sure to insert the plugs properly or you may damage the drive and void the warranty.**



**The DVD Burner in the Netbook Mate requires USB 2.0 Speed in order to operate correctly. In order to reach USB 2.0 speeds, you must have a computer or host adapter that has USB 2.0 support. Please check your computer or USB host bus adapter documentation for more information.**



**Attaching your disk module to another computer**

Your Netbook Mate disk module is connector-compatible with standard USB devices. To connect the Netbook Mate disk module to a standalone computer, simply use a standard mini-USB cable (the same kind as to connect directly to your computer.) If you require additional cables you may purchase one from your authorized Fantom Drives reseller.

# Your Netbook Mate at a glance

## Front View

\*Additional Disk modules for the Netbook Mate are available to purchase from Fantom Drives- consult with your Fantom Drives Reseller for details.

## Back View

AC Adapter Slot



Host USB Port

Fan On/Off Switch

Security Lock Slot

# Using your Netbook Mate optical Drive

## Precautions

- Do not move the drive while it is in operation
- Do not attempt to force the tray open. If the tray is stuck, follow the emergency ejection instructions below.
- Do not use or store CD/DVD media in dirty or dusty locations; in locations subject to extreme temperatures; in warm or humid

# How to Safely Dismount and Turn Off Your disk module

What do 'mounting' and 'dismounting' mean? When a device such as a hard drive is mounted, that means the computer 'sees' the device and is able to communicate with it. When you dismount a device, the computer no longer sees it. The device may still be running but the computer cannot access it, as though the device no longer exists.

*Never turn off or unplug a hard drive without dismounting it first. Doing so could cause data on the drive to be lost or damaged.*



## How to safely dismount and turn off the drive with the computer running

### Mac Users

Drag the icon for the External Hard drive to the Trash. The drive will dismount and you can then safely turn it off. You may then unplug the power cord and data cable if you want to disconnect the drive.

### PC Users

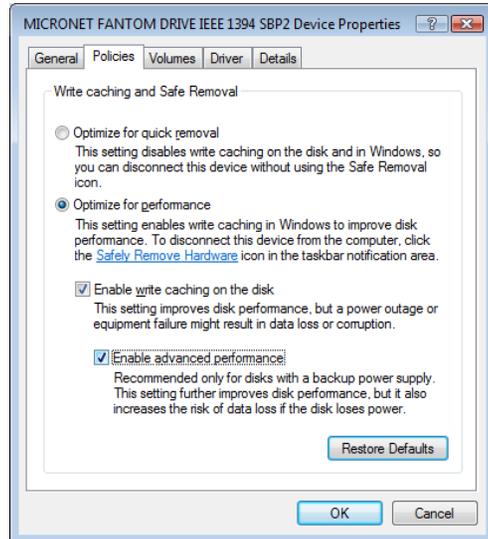
1. Locate the System Tray. The System Tray includes the time display in the bottom right, and icons to the left of the time. One of the icons will be an hot plug icon (🔌).

2. Left-click on (🔌). You will receive the alert message "Safely Remove.." followed by the drive description and drive letter for the device.

3. Left-click on the appropriate device (with the drive letter matching the one used by the External Hard drive). After a few seconds, Windows will give you a message that it is safe to remove the device.

## Optimizing Windows Caching Algorithm

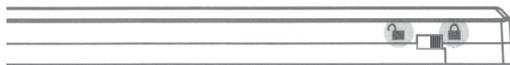
By default, Windows XP optimizes caching for performance on external drives. Vista and Windows 7 optimize caching for quick removal. As a result, Windows XP appears to have faster access to external disks but at a greater risk of data corruption and loss. To change Windows' caching algorithm, open the disk management console located at \\Windows\System32\diskmgmt.msc on your system drive. A list of the attached drives and their respective volumes will appear. Right-click on the Fantom external disk in the disk list and select properties. Select the Policies Tab near the top left of the window, and click your desired optimization level. press OK when finished, and you may close the disk management applet.



***Optimizing for performance can greatly enhance the throughput of your disk but is much more vulnerable to data loss! Make sure to have appropriate backup strategies before enabling this feature!***

## Write Protection Switch

Your Netbook Mate Disk Module can be locked into read only mode to prevent accidental deletions or file modifications. The switch is location on the side of the disk opposite the signal connector. Please make sure to set the write protection mode before connecting the disk module or the lock/unlock status may not be set properly.



 Locked

 Unlocked

locations where condensation may form; or in locations exposed to direct sunlight.

- Do not use cracked, warped or damaged CD/DVD media. The media may break up inside the drive, damaging it and possibly leading to injury.
- Do not touch or write on the disc surface.
- Do not drop, bend or flex the discs, or place any heavy objects on them.
- Do not incinerate CD/DVD media: discs that are no longer used should be disposed of according to local regulations.

## Inserting media

1. Press the eject button and wait for the tray to open. If the tray does not open, there may be a disc already in the drive and you may need to issue a dismount or eject command from your operating system.
2. Place your CD or DVD disc in the tray label side up.
3. Gently push the tray or press the "Eject" button to close the tray.
4. The disk will mount automatically on your desktop (Mac OS X) or appear in the designated DVD drive letter (Windows)

## Emergency ejection of DVD and CD media

In the event that a media cannot be ejected with the load/eject button and when no software is controlling the drive, an emergency eject operation will open the media tray. Insert a small metal poker, such as an unbent paper clip, into the opening until it presses against the manual eject mechanism. You will feel the mechanism eject the media tray. Use this method only when the load/eject button is not working.

***Warning! Make sure the drive has been off for a minute or longer, that the disc has stopped spinning in the drive and that the power is unplugged before attempting the emergency ejection procedure.***

## Troubleshooting

### **Q: My computer will not recognize the drive**

A: Make sure the software for your drive is installed following the instructions. Disconnect the drive and power the unit off. Wait 15 seconds, then power your drive back on. Wait 5 more seconds, then reconnect the drive to your computer system.

### **Q: I get clicks and pops when I make an audio CD**

A: Audio is sensitive to burn speeds. Many professionals opt to burn audio CDs at the slowest speed to ensure maximum quality and playback compatibility.



# Formatting Your Disk Module

The portable disk comes preformatted at the factory with the FAT32 file system, which will mount on most modern operating systems. FAT32 has some limitations, and we recommend you reformat the volume to a file system format more compatible with your particular computer and operating system environment.

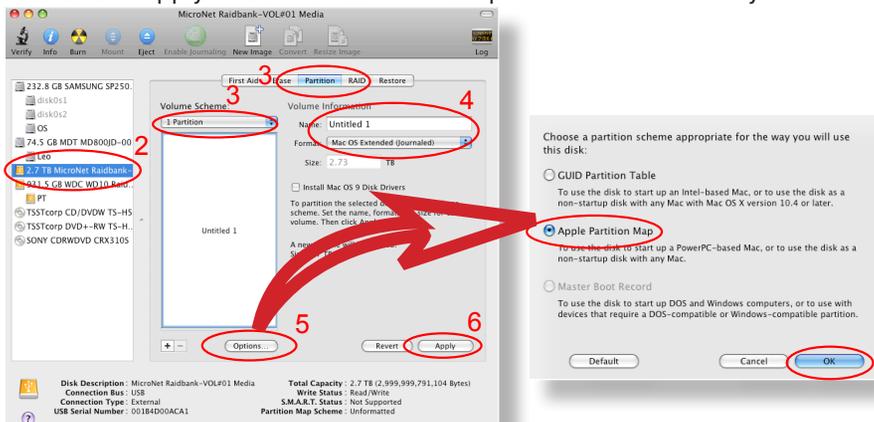
**!** *Formatting a hard drive erases all data contained on it. Please be sure to create a copy of the files you wish to keep to another location before reformatting.*

## Formatting the drive in Mac OS X

1. Launch the "Disk Utility" application located under Applications/Utilities folder.
2. Highlight your new drive and select the "Partition" tab
3. Select the new partition map type.
4. For each partition in the volume scheme, select the desired file system format and volume name (optional)

**!** *Although it is possible to format a hard drive on Mac OS X using the DOS file system, we do not recommend this, as an artificial capacity limit may be imposed on the drive and performance will be unpredictable.*

5. Click the "Options" button. Select "Apple Partition Map" in the dialog box and click "OK".
6. Click "Apply." Your Fantom Drives portable disk is ready to use!



## Formatting the drive in Windows Hosts

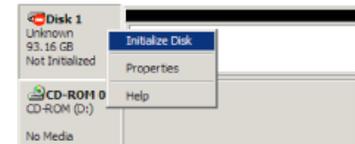
1. Open the disk management console. A list of the attached drives and their respective volumes will appear. Select the portable disk Disk.

*The Disk Management Console can be found under `\\Windows\System32\diskmgmt.msc` on your system drive. For an illustrated guide, please see <http://www.fantomdrives.com/support/faqs>*



2. Right-click on the drive letter and select Format in the pop-up menu. The Format dialog box will appear.

*Before a new, un-partitioned disk can be used in Windows, it must contain a disk signature. If the hard disk is not signed for use, the New Partition option is unavailable (superimposed no-entry icon). In this case a signature can be written on the hard drive by right clicking on the disk description window and selecting "Initialize Disk".*



3. Under Capacity, verify the drive capacity. It should be close to the stated capacity of your drive in gigabytes.

4. In the File System pop-up menu, select NTFS. The default formatting option is full format. A full format will take about 30-90 minutes. A Quick format will take just a minute, but will do less verifying of the drive than a full format. Click Start. Once the format process is complete, your External Hard drive is ready to use.