

# OWC

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**FireWire**

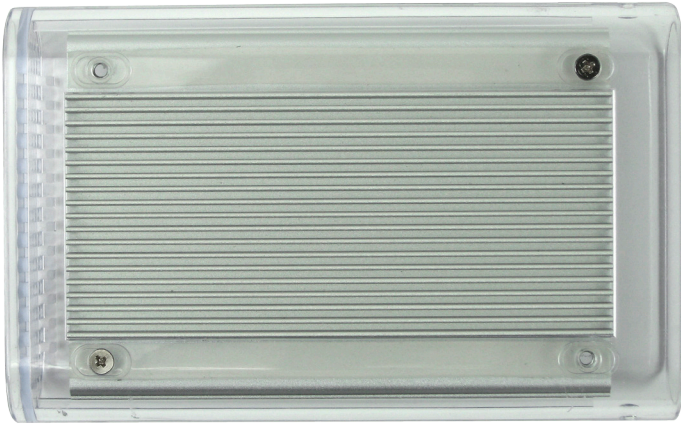
## OWC Mercury On-The-Go Assembly Manual

*For PATA and SATA based enclosures*

# **OWC Mercury On-The-Go SATA Assembly Addendum**

On page 8 and 9 of the OWC Mercury On-The-Go Assembly Manual, there is a procedure change necessary. Instead of attaching the hard drive to the firewire bridge card as the manual shows, you now need to attach the hard drive to the heatsink and not attach the drive to the bridge card.

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Remove the 2 screws securing the heatsink into the acrylic enclosure.



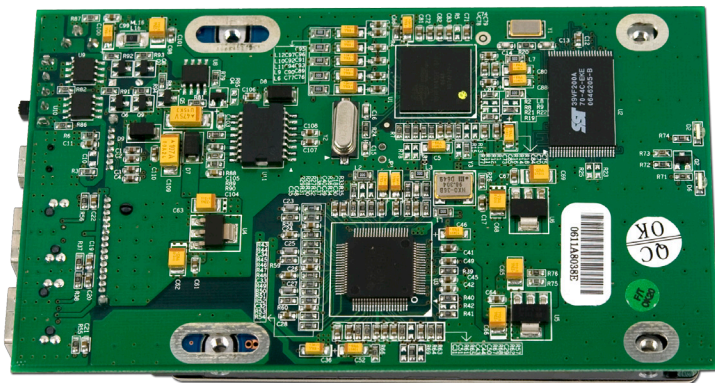
Gently slide the heatsink out of the acrylic enclosure.



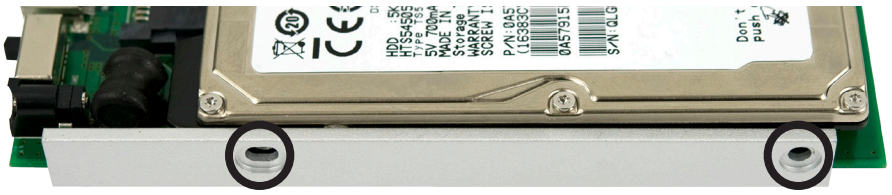
Set the aluminum heatsink aside for now.



Place your hard drive mechanism onto the bridge card and fully seat the drive onto the connector.



Turn the bridge over and look through the screw holes. Make sure they are fully lined up. Do NOT put any screws in!



Slide the bridge card with the hard drive into the aluminum heatsink - there is a notch that the bridge card will slide into.

Secure the hard drive using 4 screws from the included plastic bag, through the heatsink, into the hard drive. Don't overtighten, start all 4 screws before fully tightening.



Gently slide the completed heatsink, drive, and bridge assembly into the acrylic enclosure. Take the 2 Phillips screws you removed initially, and 2 more from the included plastic bag and once again, don't fully tighten the screws, just start them, as you will need to rock the assembly back and forth a bit to get all 4 screws started, then you can tighten them. Note that there is a rubber mounting strip on the bottom of the heatsink, that makes it a bit difficult to get the screws all the way in. You may find holding the enclosure in your hand, screws down, works best.



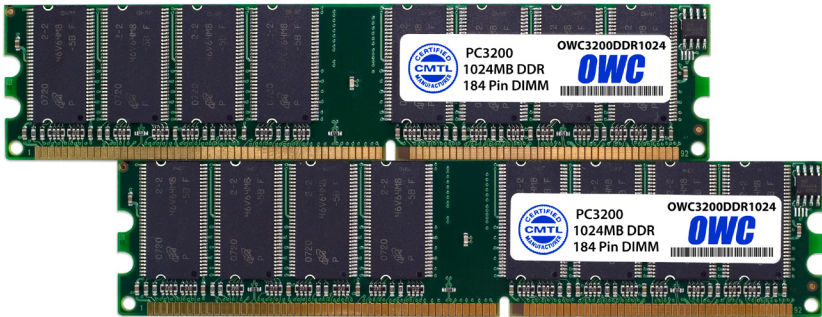
Here you see the OWC Mercury On-The-Go drive inserted into the acrylic enclosure, ready to have it's end cap screwed on. Turn to Page 10 in the of the OWC Mercury On-The-Go Assembly Manual to complete.



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## Thank you for purchasing an OWC Mercury On-The-Go external 2.5" drive storage enclosure!

This guide will get you up and running quickly, demonstrating how to install your own 2.5" hard drive into the OWC Mercury On-The-Go enclosure. Follow the step by step directions for the model of enclosure you have purchased.



**Please observe static safe precautions before proceeding. Discharge any excess static electricity safely before removing any electronic component from a protective anti-static bag.**

### Tools Required:

- A Phillips P0 screwdriver

If you do not own a Phillips P0 screwdriver, we can highly recommend the Newer Technology 7pc. toolkit. Buy it at: <http://newertech.com/products/7pctoolset.php>



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# System Requirements:



**FireWire**



Macintosh with FireWire interface and OS 8.6 and above.



PC with FireWire interface and Windows 98 or other OS with FireWire support

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Macintosh with USB interface, either built in or via 3rd party card. USB 2.0 drivers required for use with Mac OS X, USB 2.0 not supported on any other Macintosh OS. Mac OS 8.6 and above for use with USB 1.1. USB 2.0 is fully backwards compatible with USB 1.1.



PC with USB interface and Windows 98 or other OS with USB support. USB 2.0 drivers required for USB 2.0 use. Check with your OS manufacturer for the availability of USB 2.0 drivers for your system, and if your USB card supports USB 2.0. USB 2.0 is fully backwards compatible with USB 1.1.

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Macintosh with eSATA PCI Interface card. eSATA requires Mac OS X 10.2 or later.



Windows system with eSATA PCI Interface, either built in or via 3rd party PCI eSATA card. eSATA requires Windows 2000, XP or Vista.



# SATA enclosure assembly



**There are 3 OWC Mercury On-The-Go drive enclosures for SATA based hard drives.**

They include:

- A FireWire 800 / USB 2.0 based model
- A USB 2.0 / eSATA based model
- A USB 2.0 based model

**The assembly of these models is virtually identical.**



Begin by opening the box your OWC Mercury On-The-Go enclosure arrived in.

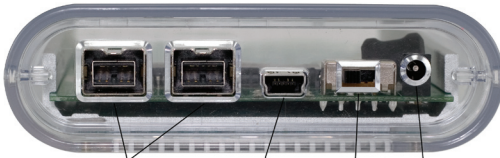
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Remove the contents of the box and lay the items out in front of you.

**(Note** - each model includes different items, see the next page for an itemized contents list for each enclosure variant)

## Parts list for each model of On-The-Go SATA enclosure:

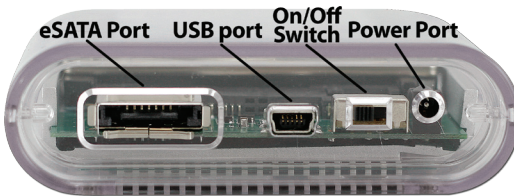


FireWire 800 (1394B) Ports    USB 2.0 Port    On/Off Switch    Power Plug



- OWC Mercury On-The-Go FireWire 800/USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- AC/DC Power Adapter
- USB 2.0 Cable
- FireWire 800 (1394B) Cable
- FireWire 800-400 (1394B-1394A) Adapter Cable
- Screws & Adhesive Feet for enclosure

**OWCMSTG800U2K**

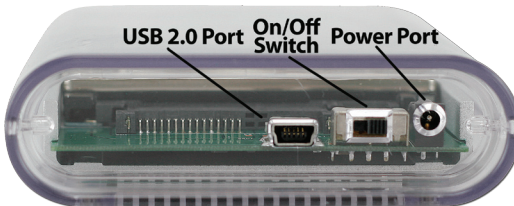


eSATA Port    USB port    On/Off Switch    Power Port



- OWC Mercury On-The-Go eSATA/USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- AC/DC Power Adapter
- USB 2.0 Cable
- eSATA Connecting Cable
- Screws & Adhesive Feet for enclosure

**OWCMOTGU2SATA**



USB 2.0 Port    On/Off Switch    Power Port



- OWC Mercury On-The-Go USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- AC/DC Power Adapter
- USB 2.0 Cable
- Screws & Adhesive Feet for enclosure

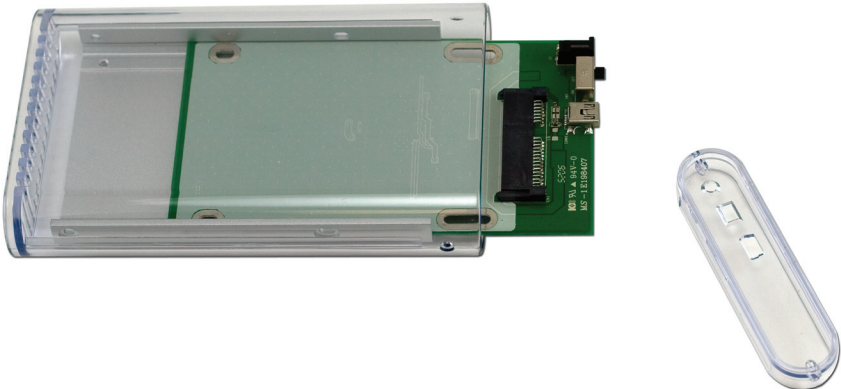
**OWCMOTGSU2**

# Assembly Process



Begin the assembly process by removing the plastic endcap from the acrylic enclosure. It is easily removed using a screwdriver to lever the cap off of the case.

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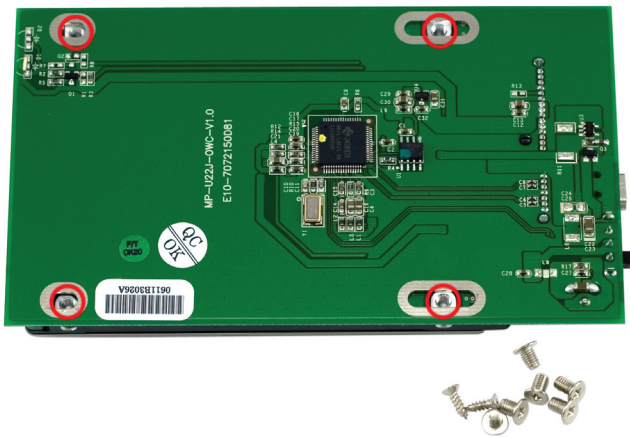


Once the endcap is removed, slide the bridge card out of the acrylic enclosure. Note that the bridge card slides on rails into the aluminum heatsink and is not fastened physically inside the enclosure.

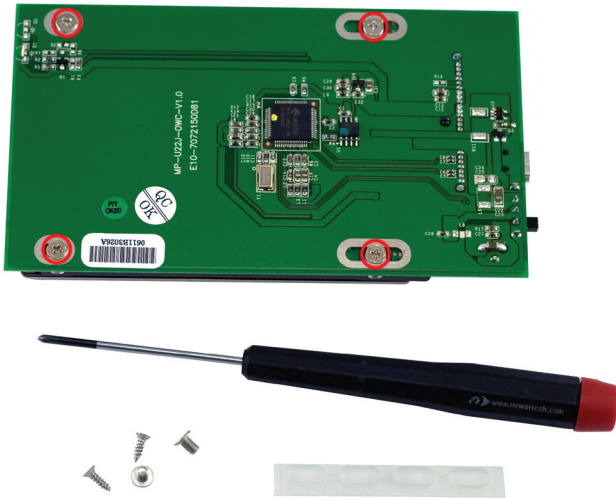


Take your 2.5" Serial ATA hard drive and set it onto the bridge card, firmly sliding it onto the combination power / data connector on the hard drive. There are plastic stops built into the drive and connector to ensure that you fully seat the drive onto the connector.

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Turn the bridge card over, and insert 4 screws, as shown, into the hard drive through the bridge card. Use your Phillips P0 screwdriver to do this.



Here is the bridge card with the 4 screws fully inserted into the hard drive.

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Take the assembled bridge card / hard drive and slide it into the rails that are built into the aluminum heatsink inside the clear acrylic enclosure. The bridge assembly will fully slide all the way into the enclosure as shown above.



Take the clear acrylic endcap that you removed at the beginning of this process and replace it on the acrylic enclosure as shown above, fully sliding it over the bridge card ports. Once you have the endcap on, attach it to the enclosure using the 2 included small Phillips screws. The location is circled above. Do not exert too much force while screwing these in, you can accidentally strip the screw head easily.

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Turn the drive enclosure over so you can see the heatsink, and insert the last 2 Phillips screws into the aluminum heatsink. There are already 2 screws installed from the factory, the remaining 2 screws will complete the mechanical assembly of the drive enclosure. Once the last 2 screws are installed, attach the 4 included adhesive silicone rubber feet on top of the screws, in the indentations in the acrylic case provided.

***Please turn to page 15 - Formatting***

# PATA enclosure assembly



**There are 4 OWC Mercury On-The-Go drive enclosures for PATA based hard drives.**

They include:

- A FireWire 800 / USB 2.0 based model
- A FireWire 400 / USB 2.0 based model
- A FireWire 400 based model
- A USB 2.0 based model

**The assembly of these models is virtually identical.**





Begin by opening the box your OWC Mercury On-The-Go enclosure arrived in.

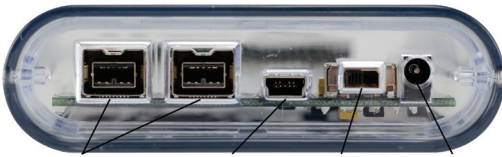
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Remove the contents of the box and lay the items out in front of you.

**(Note** - each model includes different items, see the next page for an itemized contents list for each enclosure variant)

**Parts list for each model of On-The-Go PATA enclosure:**



**FireWire 800 Ports (2)    USB 2.0 Port    On/Off Switch    Power Port    FireWire**

- OWC Mercury On-The-Go FireWire 800/USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- USB 2.0 Cable
- FireWire 800 (1394B) Cable
- Screws & Adhesive Feet for enclosure

**OWCMOTG800U2**

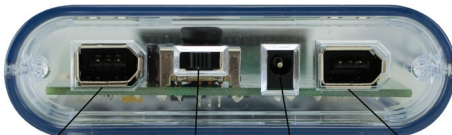


**FireWire 400 6 pin Port    USB 2.0 Port    On/Off Switch  
FireWire 400 4 pin Port    Power Port**

**FireWire**

- OWC Mercury On-The-Go FireWire 400/USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- USB 2.0 Cable
- eSATA Connecting Cable
- Screws & Adhesive Feet for enclosure

**OWCMOTGFWU2**

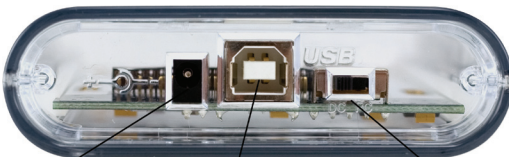


**FireWire 400 Port #1    On/Off/Bus Power Switch    Power Port    FireWire 400 Port #2**

**FireWire**

- OWC Mercury On-The-Go USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- AC/DC Power Adapter
- USB 2.0 Cable
- Screws & Adhesive Feet for enclosure

**OWCMOTGFW400**



**Power Port    USB Port    On/Off Switch**

- OWC Mercury On-The-Go USB 2.0 Enclosure (Bridge, Case, Cap)
- Carrying Case
- AC/DC Power Adapter
- USB 2.0 Cable
- Screws & Adhesive Feet for enclosure

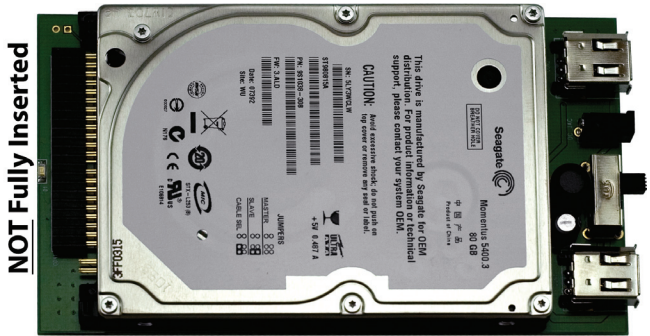
**OWCMOTGU2**

# PATA Enclosure Assembly Process

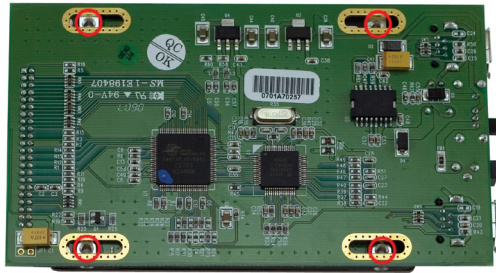


Remove the green bridge board from the anti-static protective bag.

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Place your 2.5" ATA hard drive on the green bridge board and line up the pins exactly as shown above. There are 4 extra pins that the edge connector does NOT cover - they are at the bottom of the bridge card in this picture. Fully insert the pins into the connector using gentle force and do not lift up on the drive while doing this, you don't want to bend the pins.



Take the 4 Phillips machine screws and insert them into the hard drive, through the bridge card in the locations circled in red. Make sure to fully tighten them.

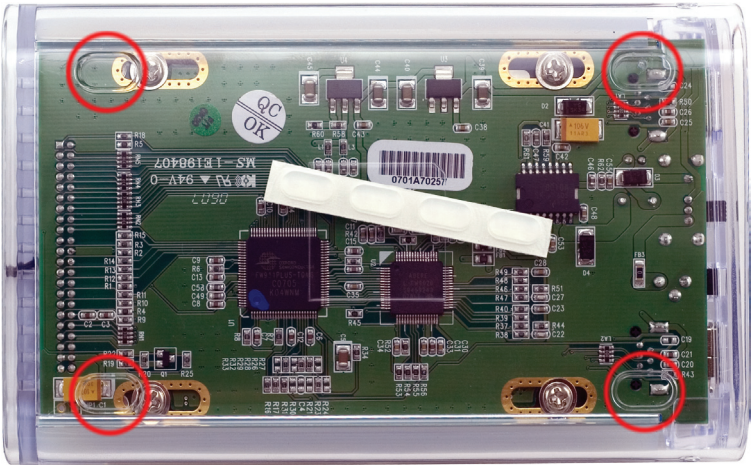
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Slide the bridge card with the hard drive attached into the clear acrylic enclosure. The hard drive slides on silicone rubber rails, and can get tight near the end. Make sure you fully insert it or the endcap will not go on in the next step.



Insert the 2 small pointed Phillips screws into the endcap through the acrylic enclosure as shown, one on each side. Fully tightened them. Do not exert too much force while screwing these in, you can accidentally strip the screw head easily.



Place the adhesive silicone rubber feet onto the acrylic enclosure in the 4 locations circled in red above.

# Formatting the Hard Disk Drive

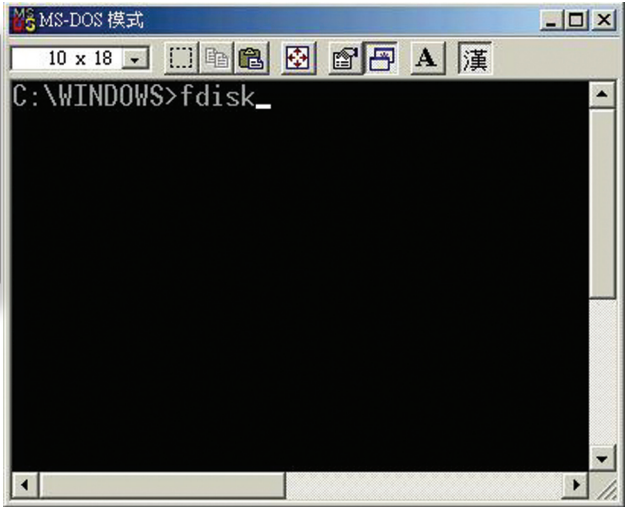
**BE AWARE THAT THIS WILL DESTROY ALL YOUR EXISTING DATA ON THE DRIVE!**

## PC running Windows 98 SE or Windows ME

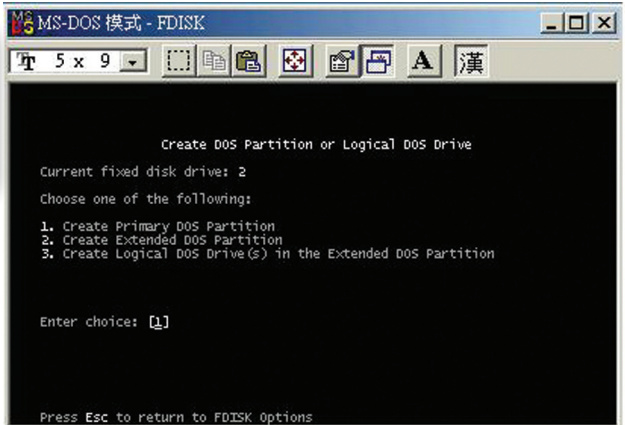
1. Go to the start menu
2. Select "Run"
3. Type in "command" - press OK to confirm.
4. Type in "fdisk" and press Enter
5. Select "Y" and press Enter
6. Enter "5" to change the drive
7. Select the drive you want to format
8. Choose "1" and follow the on-screen instructions.



For best compatibility between different Operating Systems, use the FAT32 file system. FAT32 can be accessed on most systems but the file size for a single file is limited to 4GB.



It is recommended to format the hard drive using the interface you will most likely be accessing the drive with.

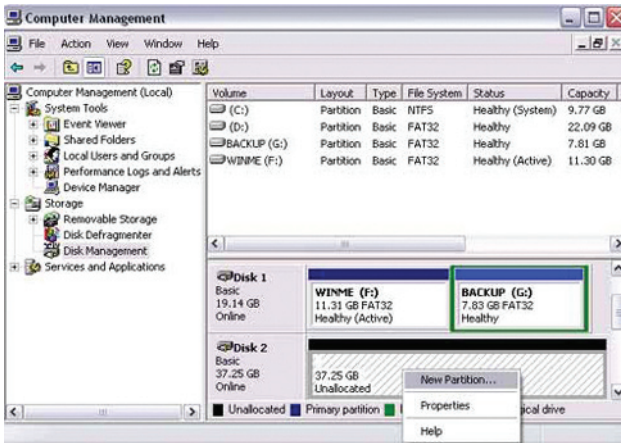


## PC running Windows 2000, Windows XP, or Windows Vista

You need to open the Disk Management Program.

1. Go to the Start menu --> Control Panel --> Administrative Tools --> Computer Management
2. Select "Disk Management"
3. Choose the drive you want to format and right click on it for further commands (Choose New Partition)
4. Follow the Partition Wizard to setup your disk

It is recommended that you format the hard drive using the interface you will most likely be accessing the drive with.



For Win2000 and WinXP, the NTFS file format is recommended.



If the NTFS file system is used, the drive will only be recognized on Win2000 and WinXP.

Mac OS X can see the drive and read data from it but can not write to it.

If you plan to use the drive on a Mac and PC, format the drive with the Mac using MS-DOS Format.



Formatting on Win2000/XP using FAT32, the biggest single partition you can create will be 32GB. To create larger partitions, use the DOS command under WinME or use third-party software.

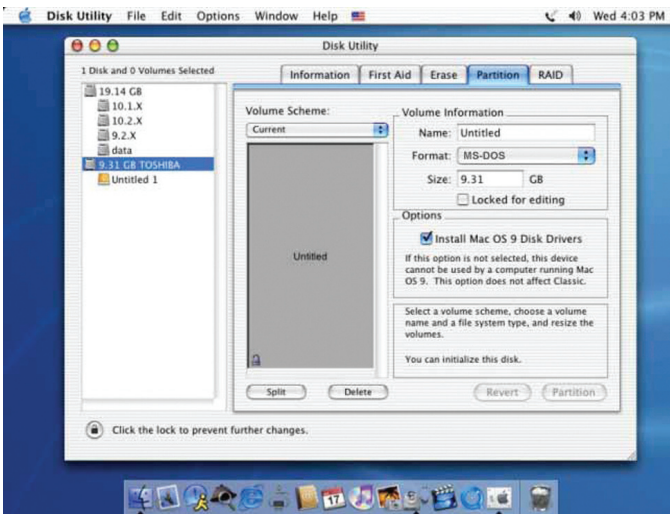
## Mac OS

Mac OS 9 does not support creating multiple partitions on an external drive. To do that, you would need to purchase additional third-party software, connect the drive to the internal IDE bus or upgrade to OS X.

For Mac OS X, use the Disk Utility to format and create partitions on your external disk.

1. Open Disk Utility (located in Applications > Utilities)
2. Choose your external drive and setup your disk from the list on the left, and format using either the "Erase" tab or the "Partition" tab.

It is recommended that you format the hard drive using the interface you will most likely be accessing the drive with.



If you use Mac OS X Extended file system, the drive will only be recognised on Mac systems.

To access the drive on both PC and Mac, format the drive using MS-DOS (FAT32)



If you can not see the drive, make sure there are no extension conflicts (Mac OS 9 users) and the power is turned on (All users)!

Verify the power light is on on the front of the drive.



# General Operation

## Hardware Installation:

**Installation of the hardware is a very straightforward procedure on any platform.**

### **To use Bus Powered (No AC adapter): FireWire or USB connections ONLY:**

1. Plug in the FireWire or USB cable into the OWC Mercury On-The-Go hard drive.
2. Plug the FireWire or USB cable into the computer.
3. Turn the On/Off switch to the On position (or, with the FireWire only OWC Mercury **OWCMOTGFW400**, flip the switch towards the FireWire port - it has a unique 3 position switch (bus power, off, AC power ON).
4. The OWC Mercury On-The-Go is ready to use.

### **To use with an AC Power Adapter (Any connection type, required for eSATA use):**

1. Plug the AC Power Adapter into the wall outlet and the OWC Mercury On-The-Go hard drive.
2. Plug in the FireWire, USB, or eSATA cable into the OWC Mercury On-The-Go hard drive.
3. Plug the FireWire or USB cable into the computer.
4. Turn the On/Off switch to the On position (or, with the FireWire only OWC Mercury **OWCMOTGFW400**, flip the switch towards the Power port - it has a unique 3 position switch (bus power, off, AC power ON).
5. The OWC Mercury On-The-Go is ready to use.



#### **Important note:**

You may only use one connection type at a time. You may not have multiple ports connected to the computer at the same time. For example, you cannot have the FireWire and the USB cables simultaneously.



#### **Important note:**

You cannot share the hard drive between two computers by means of direct connection. Do not hook 2 cables to the drive and then to a different computer.

## **Technical Support & Customer Service:**

# **OWC**

**www.macsales.com**

**Other World Computing**

**1004 Courtaulds Drive**

**Woodstock, IL 60098**

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Live Chat via internet is also available during those times.

**Tech Support:** 815-338-8685

**Customer Service:** 800-275-4576

**International:** 815-338-8658

**24hr Fax:** 815-338-4332

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<http://eshop.macsales.com/Service/index.cfm>

### **Technical Support Web Address:**

[http://eshop.macsales.com/tech\\_center/index.cfm](http://eshop.macsales.com/tech_center/index.cfm)

### **Be sure to check our FAQs out here:**

[http://helpcenter.owc.net/index.php?x=&mod\\_id=2](http://helpcenter.owc.net/index.php?x=&mod_id=2)



**The NewerTech USB 2.0 Universal Drive Adapter turns any ATA or SATA drive into a convenient external drive.**

**Easily transfer files from computer or notebook, back up files, or store large file archives on hard drives. The Hi-Speed USB interface provides for easy installation with its Plug and Play design.**

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## FCC Statement:

Warning! Modifications not authorized by the manufacturer may void the user's authority to operate this device.

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

**NOTE:** 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 a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. 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:

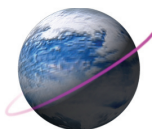
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

## Health And Safety Precautions

- Use proper anti-static precautions while performing the installation of your hard drives into this drive enclosure. Failure to do so can cause damage to your drive mechanisms, and / or the hard drive enclosure.
- Read this User's Guide carefully, and follow the correct procedure when setting up the device.
- Do not open your hard drive 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 hard drive contains no user-serviceable parts. If it appears to be malfunctioning, have it inspected by a qualified Other World Computing 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 drive, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.

## General Use Precautions:

- Do not expose the hard drive to temperatures outside the range of 5° C to 40° C (41° F to 104° F). Doing so may damage the drive or disfigure its casing. Avoid placing your drive near a source of heat or exposing it to sunlight (even through a window). Inversely, placing your drive in an environment that is too cold or humid may damage the unit.
- Always unplug the hard drive 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 hard drive 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 drive near sources of magnetic interference, such as computer displays, televisions or speakers. Magnetic interference can affect the operation and stability of your hard drive.
- Do not place heavy objects on top of the drive or use excessive force on it.
- Never use excessive force on your drive. If you detect a problem, consult the Troubleshooting section in this manual.
- Protect your hard drive from excessive exposure to dust during use or storage. Dust can build up inside the device, increasing the risk of damage or malfunction.
- Other World Computing recommends the use of normal glass cleaning products to keep the high lustre finish at it's finest with this product. Be sure to not get any moisture inside the holes and if you do, allow time to air dry before use.
- Do not block the ventilation outlets on the rear of the drive. These help to keep your drive cool during operation. Blocking the ventilation outlets may cause damage to your drive and cause an increased risk of short-circuiting or fire.



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