# The Bermuda

*External Storage Enclosure for*
*3.5” Hard Drives*



# User Manual

## & Installation Guide

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# Chapter 1 - Introduction

## Icon Key

Throughout this manual you will see icons on the left margin that denote either Notes or Special Remarks as outlined below:


General Notes and Tips


Remarks for PC users and Microsoft Windows OS


Remarks for Mac users and Apple Macintosh OS

## The Bermuda

The Bermuda is a compact and durable enclosure for your external 3.5” Parallel ATA drive. This upright standing unit comes with external power adapter, making it smaller and more convenient to fit even in the smallest corners of your desktop.

| | |
|---|---|
| Product Dimensions: | 22.8cm x 13.5cm x 4.5cm |
| | 8.98” x 5.31” x 1.77” |

## Available Interfaces

- USB 2.0 High Speed
- Serial ATA & USB 2.0

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If the red LED is blinking and not ON permanently, there is no problem with your unit. This only indicates the spin up of your drive or a temporary spike or slump in the power consumption and does not harm your drive or device at all. The product can be used normally.



Features mentioned in this manual may vary between different models.

## Features

**Over Voltage Protection (OVP)** with a limit of 10% before shut down (max 30V). Protection for device or Hard Drive damage, caused by sudden voltage spikes in the power supply and wrong or faulty power adapter.
Indication: Blue LED off, Red LED on

**Low Voltage Detection (LVD)** indicating insufficient power supply. Possibly caused by a sudden voltage slump in the power supply or faulty power adapter.
Indication: Blue LED on, Red LED on

**Inverse-Polarity Protection** to prevent any damage to the device or Hard Drive caused by using a wrong adapter.
Correct: internal+, external-



**Automatic Detection of the Interface** for Combo Interface Units, which means that there is no mechanical switch required. The first cable detached will be the one used by the system until unplugged. If a second cable is plugged in, it will not affect the system at all and can be used as soon as the main cable is unplugged.

**LED indicator (double colored LED)**

| | Blue LED | Red LED |
|---|---|---|
| Status ON, working normal | **ON** | **OFF** |
| Status ON, low power (LVD) | **ON** | **ON** |
| Status ON, over voltage (OVP) | **OFF** | **ON** |
| Status OFF (or faulty PCB/LED) | **OFF** | **OFF** |

* Blue LED flickers on data access

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USB 2.0 driver required only for Win98/SE.



Mac OS 8.6 users should use USB extension 1.41 and later, to be able to use USB 1.1.



Package Content may vary, depending on vendor & version.

## System Requirements

**PC Requirements**

- Minimum Intel Processor II 350MHz, 64MB RAM
- USB 1.1 equipped PC; WinME, Win2000, WinXP
- USB 2.0 equipped PC; WinME, Win2000, WinXP
- Serial ATA equipped PC; Win2000, WinXP

**Mac Requirements**

- Minimum Apple G3 processor (G4 for 1394b), 64MB RAM
- USB 1.1 equipped Mac; Mac OS 9.1, 9.2, 10.1.5, 10.2, 10.3
- USB 2.0 equipped Mac; Mac OS 10.2, 10.3
- Serial ATA drives not supported on Mac OS!

## Package Contents

- Bermuda
- External Power Adapter; Input 100-240V, Output 12V/3A
- Power Cord
- Interface Cable
- Plastic Stand
- Driver CD

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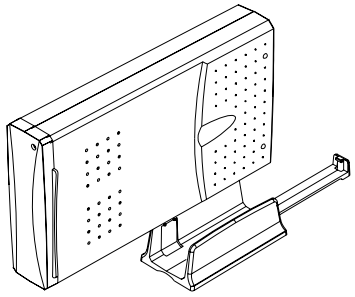
# Chapter 2 - Installing the HDD

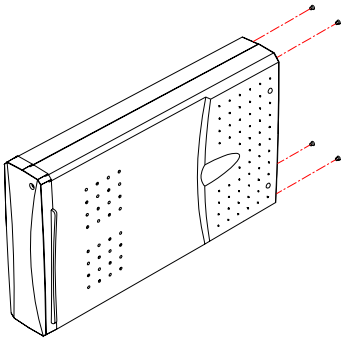
## Preparing the Enclosure

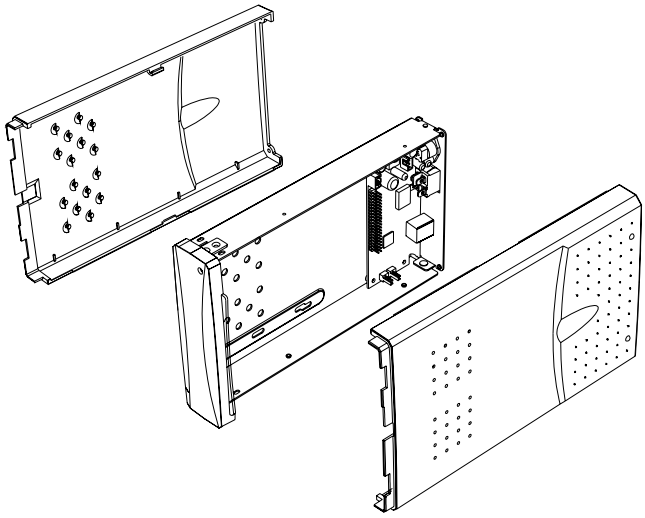


Your unit might come with an installed hard drive. Before opening such an enclosure, please read the warranty and any other notes from your vendor carefully before doing so, as this might void your warranty.

Remove the stand and the 4 screws on the back, pull off the plastic top cover and open up the case.



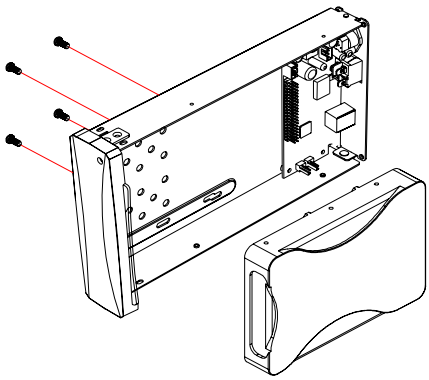


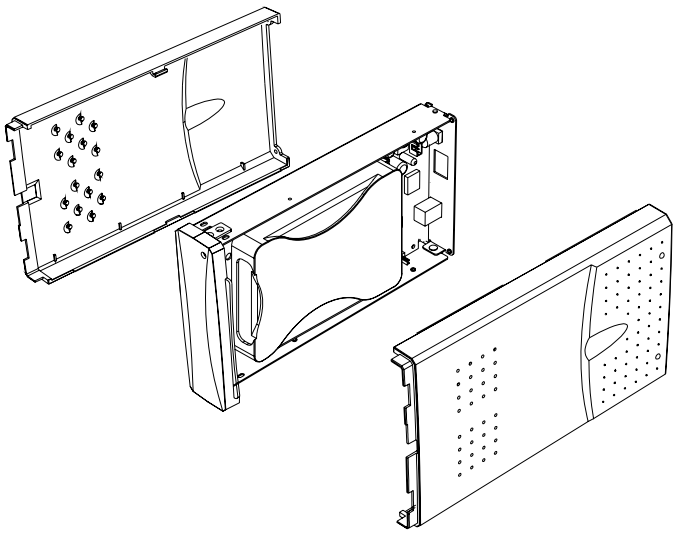


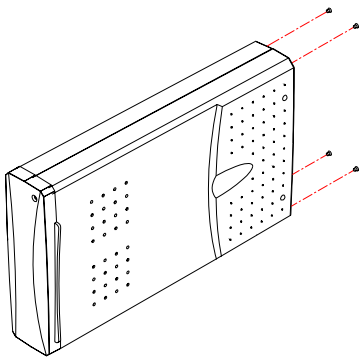
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## Hard Drive Assembly

Connect the ATA cable and the power line to your hard drive. Install the hard drive and fasten the screws. Align the plastic cover with the body, push it gently into place and fasten the screws. Mount the stand and connect your power adapter plus interface cable.









The hard drive jumper settings should be master or factory default.



Be careful not to damage any cables or components and double check the connection between the cables, the bridge board and your hard drive before you close up the case.

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# Chapter 3 - System Set Up



Most problems occur due to driver problems on the Host Card side!



If you buy a spare power adapter for your working place or at home, make sure the output and polarity is identical with the power adapter supplied!

## Connection to your Computer

A few tips on how to connect your external storage enclosure:

- Make sure your PCI Host Card is installed correctly
- Double check that the Host Card driver is up to date
- If required, update your Operating System or BIOS
- Only one interface at the time can be used
- Only one computer at the time can access the drive
- To use one drive on several computers, it can be shared through one computer on the network (1394 network, company network)
- All devices in a daisy chain have to be switched on to permit the hub/daisy chain function
- Do not cover the Enclosure and leave enough room around it for the drive to cool down
- Do not expose the product to water or humid conditions
- If possible, arrange the cables so they do not cross each other
- Always check for visible damage and defects of power and interface cables before using it
- We recommend using the cables and adapter supplied with your product

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## Installation on a PC (Microsoft Windows)

If the system doesn't recognize the drive, turn on the power first, before connecting the USB/SATA cable.

**Win2000 or WinXP with a USB connection**:

- Turn on your Computer and start Windows
- Connect the Bermuda and turn it on
- Let Windows search and install the driver automatically
- Open "My Computer" to see your external hard drive **

**Win2000 or WinXP with a Serial ATA connection**:

- Turn on your Computer and start Windows
- Connect the Bermuda and turn it on
- Let Windows search and install the driver automatically
- Open "My Computer" to see your external hard drive **

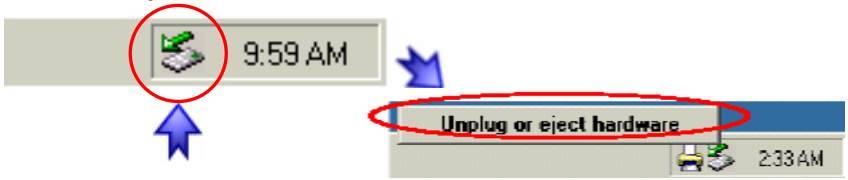
For safe removal of your drive and to assure that no data is lost, always follow the unplug procedure. If not, an error message will show up.

**Win98/SE with a USB connection**:

- Turn on your Computer and start Windows
- Insert the driver CD into your CD-ROM
- Connect the Bermuda and turn it on (in some cases the driver must be installed before connecting the device, see note on CD or readme file)
- Follow the onscreen instructions and install the drivers
- Open "My Computer" to see your external hard drive **

**Unplug Procedure**:

- Click on the taskbar icon for external hardware
- Choose your external hard drive and confirm to remove it




** For factory new drives and formatting, see "Partitioning & Formatting"

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If the system doesn't recognize the drive, turn on the power first, before connecting the USB cable.

For Mac OS 8.6, the USB extension has to be at least v1.41.

For save removal of your drive and to assure that no data is lost, always follow the unplug procedure. If not, an error message will show up.

## Installation on a Macintosh (Apple Mac OS)

**Mac OS 9.x or Mac OS 10.x with a USB connection**:

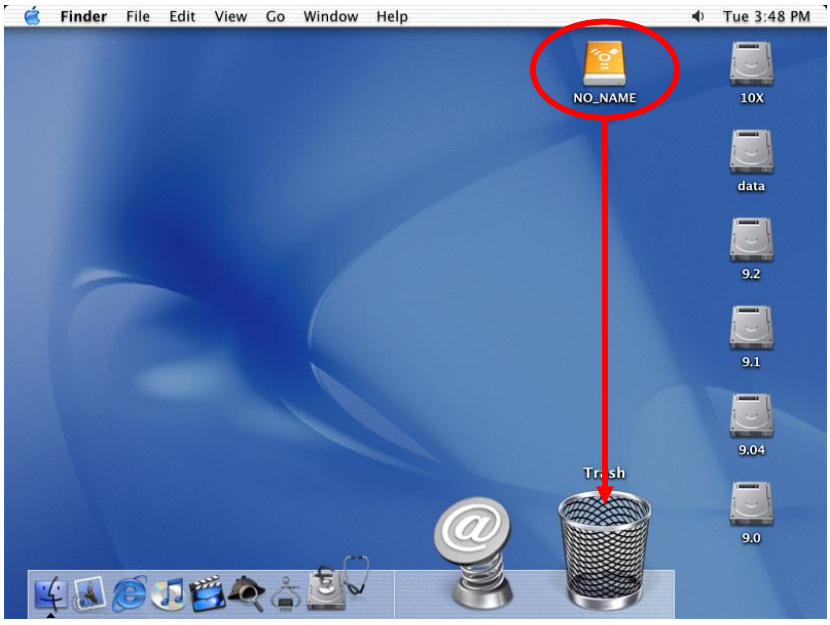
- Turn on your computer and start Mac OS
- Connect the Bermuda and turn it on
- No driver installation required
- The external drive will mount and show up on your desktop**

**Mac OS 10.2 or 10.3 with a USB 2.0 connection**:

- Turn on your computer and start Mac OS
- Connect the Bermuda and turn it on
- No driver installation required
- The external drive will mount and show up on your desktop**

**Unplug Procedure**:

- Drag the external hard drive icon into the trash bin
- Turn off your device




** For factory new drives and formatting, see "Partitioning & Formatting"

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You can choose to create several partitions but be aware that if you want to change this at a later point, it's required to format the drive again or use 3rd party software.

Win98/SE and WinME do not recognize NTFS formatted drives, so if you want to use your drive on those platforms, we recommend you to use FAT32 instead.

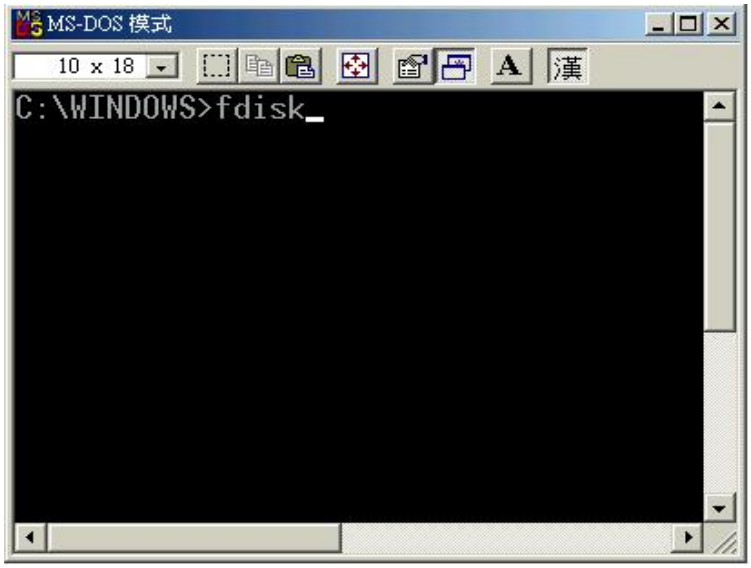
If you use this device to backup your data using a 3rd party software running MS-DOS, we recommend you to format the drive using FAT32.

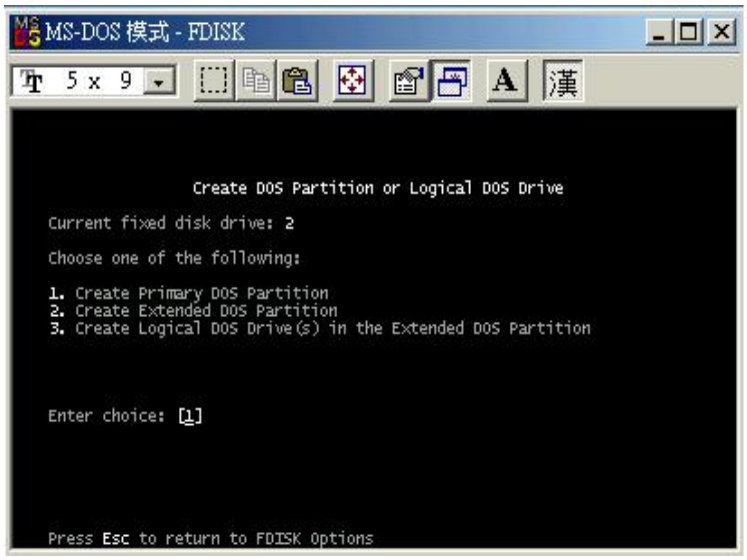
## Partitioning & Formatting

Be aware that this will destroy all your existing data on the drive, so make sure you have a backup! This step is usually only required the first time you install a factory new hard drive, if you change the format or want to erase all data on your drive.

**PC running Win98/SE or WinME**:
MS-DOS command "fdisk" (press Enter to confirm)

- Type "fdisk" and press Enter
- Select "Y" and press Enter
- Enter "5" to change the drive
- Select the drive you want to format
- Choose "1" and follow the onscreen instructions




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Mac OS does not recognize NTFS formatted drives, to use your device on both platforms, we recommend you using FAT32.

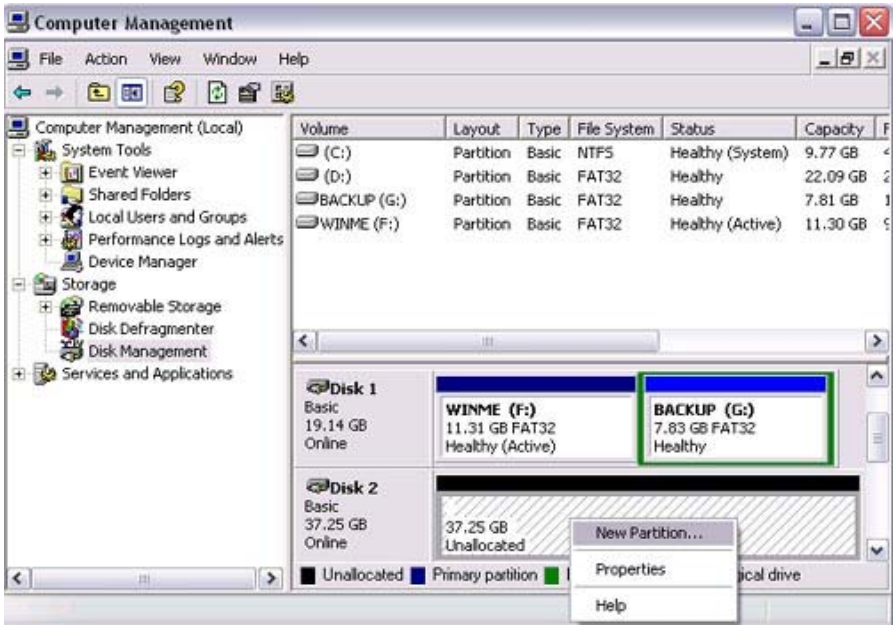
If you use Win2000 or WinXP and FAT32, the biggest single partition you can create will be 32GB. To create larger partitions, you need to use the DOS command under Win98SE or WinME or change to NTFS format.

If you can not see the drive, make sure the jumper settings of your hard drive are correct, the drivers are installed and the power is turned on!

**PC running Win2000 or WinXP**:

Disk Management Program

- Right click on “My Computer” and choose “Manage”
- Select “Disk Management”
- Choose the drive you want to format and right click on it for further commands (Choose New Partition)
- Follow the Partition Wizard




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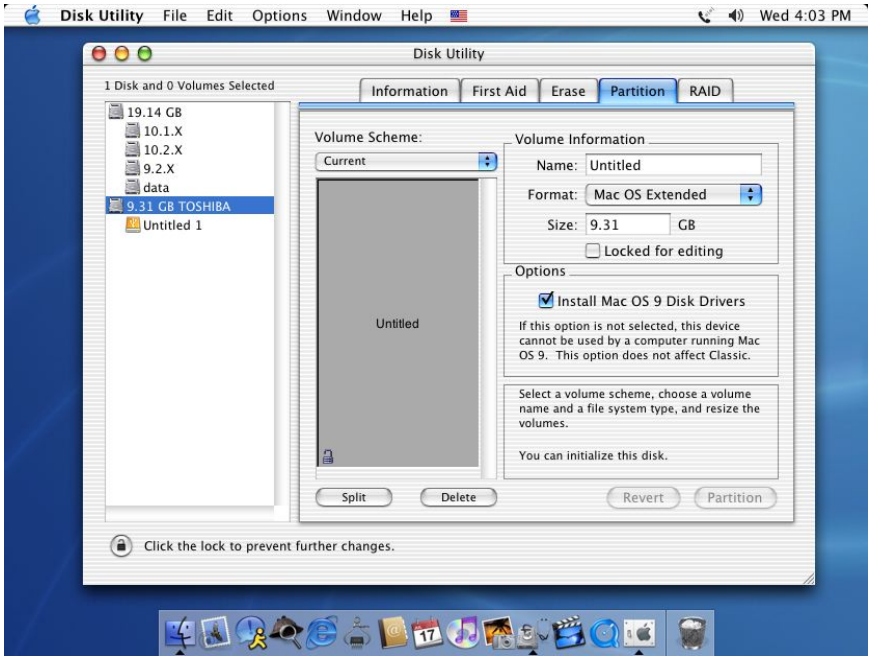
If you want to use your drive on a PC running Microsoft Windows as well as on your Mac, we recommend you to use a PC to format the drive. Choose FAT32 when formatting and do not change anything on the partition or format on your Mac, otherwise the PC will not be able to recognize the drive anymore.

If you can not see the drive, make sure the jumper settings of your hard drive are correct, there are no extension conflicts and the power is turned on!

**Mac OS**:
Mac OS9.2 and earlier, does not support creating partitions on an external drive. To do that, you would need to purchase additional 3rd party software. Initializing is no problem on all Operating Systems.

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

- Select “Disk Utilities” in the utilities folder
- Choose your external drive and format it according to your requirement




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Please read your warranty carefully, as this may vary between different vendors!

## Technical Questions:

For RMA and other questions, please contact your vendor or check out their online support area!

## About this Manual:

This manual covers all interfaces and combinations for the Bermuda Enclosure. Images and descriptions might therefore slightly vary between this manual and the actual product you have.

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