



G-SAFE™ Installation Guide



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TABLE OF CONTENTS

1. [INTRODUCTION](#)
2. [SAFETY PRECAUTIONS](#)
3. [SYSTEM REQUIREMENTS](#)
4. [WHAT'S IN THE BOX](#)
5. [G-SAFE OVERVIEW](#)
6. [INSTALLING G-SAFE](#)
7. [G-SAFE OPERATION](#)
 - 7.1 Powering on G-SAFE for the First Time
 - 7.2 Front Panel STATUS LED & Alarm
 - 7.3 LCD Panel Messages
8. [REPLACING A DISK DRIVE MODULE](#)
9. [USING G-SAFE FOR OFFSITE DATA BACKUP](#)
 - 9.1 Disaster Recovery using Offsite Backup Module
10. [INITIALIZING G-SAFE](#)
 - 10.1 Mac OS X (10.4.x)
 - 10.2 Windows 2000/XP
 - 10.3 Cross Platform Use
11. [UNMOUNTING/DISCONNECTING G-SAFE](#)
 - 11.1 Mac OS X Computers
 - 11.2 Windows Computers
12. [OPTIMIZING DATA TRANSFER RATES](#)
13. [TECHNICAL SUPPORT](#)
14. [LIMITED WARRANTY STATEMENT](#)



IMPORTANT SAFEGUARDS

CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN

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.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions literature accompanying the appliance.

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

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All Warnings on the unit and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. ATTACHMENTS

Do not use attachments not recommended by the unit's manufacturer as they may cause hazards.

6. WATER AND MOISTURE

Do not use this unit near water—for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

7. ACCESSORIES

Do not place this unit on an unstable cart, stand, tripod, bracket or table. The unit may fall, causing serious injury and serious damage to the unit.

8. VENTILATION

Openings in the front and back of the unit are provided for ventilation to ensure reliable operation and to protect it from over heating. These openings must not be blocked or covered. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.

9. POWER SOURCES

This unit should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply in your facility, consult your local dealer or power company.

10. GROUNDING AND POLARIZATION

This equipment is supplied with a power cord with a US style 3-wire grounding type plug at one end and a 3-wire IEC standard connector at the other. The 3-wire grounding type plug will fit into a US style grounding type power outlet and the IEC connector is intended to plug into the Medea unit. The 3-wire grounding type plug is a safety feature. If you are unable to insert the plug into the outlet, do not force it. Contact your electrician to replace the obsolete outlet. **DO NOT DEFEAT THE SAFETY PURPOSE OF THE GROUNDING TYPE PLUG.** For use in Foreign Countries, contact your local Medea dealer or representative to obtain a power cord with a locally compatible 3-wire grounding plug on one end and a 3-wire IEC standard connector on the other.

11. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit the unit.

12. SERVICING

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltages or other hazards. (See Caution Symbol at rear of power supply chassis.) Refer all servicing to qualified service personnel.

13. LITHIUM BATTERY



WICHTIGE SICHERHEITSHINWEISE

WARNUNG
 Gefahr eines elektrischen
 Schlages Nicht öffnen

WARNUNG: Um die Gefahr eines elektrischen Schlages zu verringern sollten Sie niemals eine Verkleidung oder Abdeckung entfernen. Keines der enthaltenen Teile kann selbst gewartet werden. Überlassen Sie dies qualifiziertem Servicepersonal.



Dieses Symbol soll den Benutzer darauf aufmerksam machen, dass er hier unisolierte gefährliche Spannung innerhalb des Gehäuses antrifft, die ausreichend gefährlich ist um einen Stromschlag hervorzurufen.



Dieses Symbol ist gedacht um den Anwender darauf hinzuweisen, dass sich im Handbuch wichtige Hinweise befinden.

WARNING: UM DIE GEFAHR EINES ELEKTRISCHEN SCHLAGES ZU VERRINGERN, DARF DAS GERÄT WEDER REGEN NOCH FEUCHTIGKEIT AUSGESETZT WERDEN.

1. LESEN SIE DIE HINWEISE

Lesen Sie bitte alle Sicherheitshinweise und die Bedienungsanleitung bevor Sie das Gerät in Betrieb nehmen.

2. AUFBEWAHREN DER HINWEISE

Bewahren Sie die Bedienungsanleitung und alle Sicherheitshinweise für spätere Verwendung auf.

3. BEACHTEN SIE DIE WARNUNGEN

Alle Warnungen und Hinweise auf dem Gehäuse und in der Anleitung sollten unter allen Umständen beachtet werden.

4. FOLGEN SIE DEN ANWEISUNGEN

Alle Benutzer -und Bedienungsanweisungen sollten befolgt werden.

5. ERWEITERUNGEN

Benutzen Sie keine Erweiterungen, die nicht vom Hersteller empfohlen wurden um Gefahren zu vermeiden.

6. WASSER UND FEUCHTIGKEIT

Benutzen Sie das Gerät nicht in der Nähe von Wasser—z.B. Badewanne, Waschkübel, Spüle, Waschwanne, feuchter Fußboden oder in der Nähe eines Pools.

7. ZUBEHÖR

Stellen Sie das Gerät nicht auf einen wackeligen Rollcontainer, Ständer, Stativ, Regal oder Tisch. Das Gerät könnte herunterfallen, was einen bleibenden bzw. irreparablen Schaden an dem Gerät hervorrufen könnte.

8. BELÜFTUNG

Öffnungen an der Vor- und Rückseite des Gerätes sind für die Belüftung vorgesehen, um eine zuverlässige Funktion zu garantieren und gegen Überhitzung vorzubeugen. Diese Öffnungen dürfen weder verstellt noch zugedeckt werden. Das Gerät sollte niemals in der Nähe einer Heizung oder einer anderen Wärmequelle aufgestellt werden. Das Gerät sollte außerdem nicht in einem Einbaugeschäft wie einem Schrank, oder einem Rack installiert werden, solange eine ausreichende Belüftung nicht sichergestellt ist.

9. NETZANSCHLUß (STROMVERSORGUNG)

Das Gerät sollte nur mit der Spannungsversorgung, die auf dem Geräteaufkleber ausgewiesen ist, betrieben werden. Sollten Sie nicht sicher sein, welche Art der Spannungsversorgung in Ihrem Betrieb verwendet wird, fragen Sie bei Ihrem Händler oder der Stromversorgungsgesellschaft nach.

10. ERDUNG UND POLUNG

Zur Ausstattung gehört ein Stromkabel mit einem amerikanischen Schutzkontakt Stecker mit Erdung auf der einen Seite und einem Kaltgeräte Stecker auf der anderen (IEC Standard). Der Schutzkontaktstecker passt in eine amerikanische Schutzkontaktsteckdose und der Kaltgerätestecker in ihr Medea Gerät. Der Schutzkontaktstecker ist eine Sicherheitsvorrichtung. Sollten Sie ihn nicht in Ihre Steckdose stecken können, wenden Sie sich an einen Elektriker in Ihrer Nähe. Setzen Sie sich mit Ihrem Elektriker in Verbindung um die Steckdose auszuwechseln. Zerstören Sie unter keinen Umständen die Sicherheitsvorrichtung an Ihrem Stecker. Zur Anwendung in anderen Ländern setzen Sie sich mit Ihrem Medea Händler in Verbindung, der Ihnen ein Landesübliches Stromkabel mit einem Schutzkontaktstecker auf der einen und einem Kaltgerätestecker auf der anderen Seite zur Verfügung stellt.

11. STROMKABEL ISOLIERUNG

Stromkabel sollten so gelegt werden, dass man nicht auf sie tritt, oder Gegenstände auf ihnen stehen bzw. gegen sie stoßen. Besondere Aufmerksamkeit sollte Leitungen und Steckern, sowie Kupplungen und die Stelle an der sie das Gerät verlassen, gewidmet werden.

12. SERVICE

Versuchen Sie keinesfalls das Gerät selbständig zu warten, oder das Gehäuse zu öffnen. Dies kann Sie gefährlicher Spannung oder andern Gefahren aussetzen. Überlassen sie alle Wartungsarbeiten qualifiziertem Service Personal.

Batterien nach Angaben des Herstellers.



MEDIDAS PREVENTIVAS IMPORTANTES

PRECAUCIÓN

RIESGO DE DESCARGA ELÉCTRICA
NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL RIESGO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA (O CUBIERTA POSTERIOR). NO HAY DENTRO PARTES REPARABLES POR EL USUARIO. PERMITA QUE EL SERVICIO LO REALICE PERSONAL DE SERVICIO CALIFICADO.



El símbolo del rayo con fecha dentro de un triángulo equilátero tiene por objeto alertar al usuario de la presencia de voltaje peligroso y sin aislamiento en el interior del producto que pudiera ser de la suficiente magnitud como para constituir el riesgo de recibir una descarga eléctrica.



El símbolo de el signo de exclamación dentro de un triángulo equilátero tiene por objeto alertar al usuario de la existencia de instrucciones importantes para la operación y mantenimiento (servicios) en los documentos que acompañan el equipo.

ADVERTENCIA: PARA PREVENIR LA POSIBILIDAD DE PROVOCAR UN INCENDIO O DE RECIBIR UNA DESCARGA ELÉCTRICA, NO EXPONGA ESTE SISTEMA A LA LLUVIA O HUMEDAD.

1. **LEA LAS INSTRUCCIONES**
Deberá leer todas las instrucciones sobre seguridad y operación antes de operar la unidad.
2. **GUARDAR LAS INSTRUCCIONES**
Deberá guardar las instrucciones sobre seguridad y operación para refer encia futura.
3. **PRESTE ATENCIÓN A ADVERTENCIAS**
Deberá cumplir con todas las Advertencias indicadas en la unidad o en las instrucciones de operación.
4. **SIGA LAS INSTRUCCIONES**
Deberá seguir todas las instrucciones sobre operación y uso.
5. **ACCESORIOS**
No utilice accesorios que no hayan sido recomendados por el fabricante de la unidad en virtud de que pueden crear un peligro.
6. **AGUA Y HUMEDAD**
No utilice esta unidad cerca de agua—por ejemplo, cerca de una tina, lavabo, fregadero o tinaco, en un sótano mojado o cerca de una piscina.
7. **EQUIPO AUXILIAR**
No coloque esta unidad sobre carritos, bases, tripodes, soportes o mesas inestables. La unidad se podrá caer, causando lesiones graves y daños severos a la unidad.
8. **VENTILACIÓN**
Aberturas al frente y en la parte posterior de la unidad se proporcionan para ventilación y para asegurar una operación estable, así como para proteger a la unidad de sobrecalentamiento. Estas aberturas no deberán ser obstruidas o cubiertas. Esta unidad nunca se deberá de colocar cerca o encima de un radiador o fuente de calor. Esta unidad no se deberá de colocar en muebles construidos a la medida, tales como libreros o estantes, salvo que se proporcione ventilación adecuada.
9. **FUENTES DE ENERGÍA**
La unidad deberá operar únicamente a partir del tipo de fuente de energía indicada en la etiqueta correspondiente. Si no está seguro del tipo de fuente de energía en su edificio, consulte a su distribuidor local o compañía de suministro de energía eléctrica.

10. **PUESTA A TIERRA Y POLARIZACIÓN**
El equipo se entrega con un cable alimentador con un enchufe con puesta a tierra de 3 alambres en un extremo y un enchufe estándar IEC (Comité Electrotécnico Internacional) de tres alambres en el otro. El enchufe con puesta a tierra de 3 alambres se conecta a un tomacorri ente con puesta a tierra y el conector IEC tiene por objeto enchufarse a una unidad Medea. El enchufe con puesta a tierra de 3 alambres es una medida de seguridad. Si no lo es posible conectar el enchufe a un tomacorriente, no lo fuerce. Póngase en contacto con un electricista para sustituir el tomacorriente obsoleto. **NO FRUSTRE LA MEDIDA DE SEGURIDAD INCORPORADA POR EL ENCHUFE CON PUESTA A TIERRA.** Para uso en países extranjeros, póngase en contacto con su distribuidor local de Medea o su representante para obtener un cable alimentador con un enchufe con puesta a tierra de 3 alambres en un extremo y un enchufe estándar IEC de tres alambres en el otro compatible en su país.

11. **PROTECCIÓN DEL CABLE ALIMENTADOR**
Los cables alimentadores se deberán de colocar de manera que se evite que sean pisados o pellizcados por algún equipo o mueble puestos encima de ellos o contra ellos, poniendo especial atención al enchufe del cable alimentador, receptáculos de protección o el punto en que se conectan a la unidad.

12. **SERVICIOS**
No intente dar servicio a esta unidad por sí mismo en virtud de que abrir la unidad o retirar alguna cubierta lo puede exponer a voltajes peli grosos u otros riesgos. Permita que el servicio lo realice personal de servicio calificado.

MISES EN GARDE IMPORTANTES

ATTENTION

RISQUE DE CHOC ÉLECTRIQUE
NE PAS OUVRI

ATTENTION: AFIN DE PRÉVENIR LES RISQUES D'ÉLECTROCUTION, NE PAS ENLEVER COUVERCLE PILE POUR RÉPARER L'APPAREIL. AUCUNE PIÈCE INTÉRIEURE NE PEUT ÊTRE RÉPARÉE PAR L'UTILISATEUR POUR TOUTE RÉPARATION, CONSULTER UN TECHNICIEN COMPÉTENT.



Le symbole d'éclair dans un triangle équilatéral indique la présence d'une tension suffisamment élevée pour engendrer un risque de chocs électriques.



Le point d'exclamation dans un triangle équilatéral indique que le manuel d'utilisation inclus avec l'appareil contient d'importantes recommandations quant au fonctionnement et à l'entretien de ce dernier.

MISE EN GARDE: AFIN DE PRÉVENIR TOUT RISQUE D'INCENDIE OU D'ÉLECTROCUTION, NE PAS EXPOSER L'APPAREIL À LA PLUIE NI À L'HUMIDITÉ.

1. **LIRE LES DIRECTIVES**
Lire toutes les directives concernant la sécurité et le fonctionnement de l'appareil avant de l'utiliser.
2. **CONSERVER LES DIRECTIVES**
Conserver les directives concernant la sécurité et le fonctionnement de l'appareil pour référence ultérieure.
3. **RESPECTER LES MISES EN GARDE**
Respecter toutes les mises en garde sur l'appareil et dans le manuel d'utilisation.
4. **SUIVRE LES DIRECTIVES**
Suivre toutes les directives concernant le fonctionnement et l'utilisation de l'appareil.
5. **ACCESSOIRES**
Ne pas utiliser d'accessoires non recommandés par le fabricant de l'appareil, car ils peuvent représenter un danger.
6. **EAU ET HUMIDITÉ**
Ne pas utiliser l'appareil dans un endroit où il risque d'être mouillé, notamment dans un sous-sol humide et à proximité d'une baignoire, d'un lavabo, d'un évier, d'une cuve à lessive ou d'une piscine.
7. **BAIES ET SUPPORTS**
Ne pas placer l'appareil dans une baie ou sur un support, un trépied, une console ou une table instable. L'appareil pourrait tomber et subir des dommages importants ou infliger de graves blessures.
8. **AÉRATION**
Le boîtier de l'appareil comporte des fentes d'aération à l'avant et à l'arrière pour assurer le bon fonctionnement de l'appareil et le protéger de la surchauffe. Ces fentes ne doivent pas être obstruées ni recouvertes. Éloigner l'appareil de toute source de chaleur telle les radiateurs et autres éléments de chauffage. Ne pas placer l'appareil dans un meuble encastré tel une bibliothèque ou un bâti qui ne procure pas une aération adéquate.
9. **ALIMENTATION**
Ne brancher l'appareil que dans une prise de courant du type décrit sur l'étiquette signalétique. En cas de doute sur le type

d'alimentation disponible, consulter la compagnie d'électricité ou le distributeur local.

10. **MISE À LA TERRE ET POLARISATION**
Le cordon d'alimentation fourni avec l'appareil est doté d'une fiche polarisée à trois branches de style américain à une extrémité et l'autre connecteur femelle CEI standard à l'autre extrémité. La fiche polarisée à trois branches peut être branchée dans une prise de courant polarisée de style américain et le connecteur CEI doit être rac ordé à l'appareil Medea. La fiche polarisée à trois branches constitue une mesure de sécurité. Si elle ne s'insère pas aisément dans la prise, ne pas la forcer. Contacter un électricien pour remplacer la prise désuète. **NE PAS TENTER DE CONTOURNER CETTE MESURE DE SÉCURITÉ.** Pour utiliser l'appareil à l'étranger, se procurer un cordon d'alimentation compatible avec la configuration électrique locale auprès du distributeur ou du représentant Medea local.
11. **PROTECTION DU CORDON D'ALIMENTATION**
Les cordons d'alimentation doivent être placés de manière qu'ils ne soient pas piétinés ou écrasés par des objets et une attention particulière doit être portée à la fiche, à la prise et au point de sortie de l'appareil.

12. **RÉPARATION**
Ne pas tenter de réparer l'appareil, car l'ouverture ou le retrait du boîtier peut vous exposer à des tensions dangereuses ou à d'autres risques. Confier toute réparation à un technicien qualifié.

13. **PILE AU LITHIUM**



1. INTRODUCTION

Thank you for purchasing G-SAFE™ from G-Technology, Inc. (G-Tech)! G-SAFE is the ideal storage solution to safeguard digital photo files downloaded from flash memory cards. G-SAFE offers the ultimate in peace of mind by simultaneously writing to two independent hard disk drives providing instant back up of the images as you save them. And unlike single drive backup systems, if a drive failure occurs your images are safe and accessible.

2. SAFETY PRECAUTIONS

The disk drive contained in your G-SAFE is a delicate electronic instrument and is susceptible to damage due to excessive physical shock. Place the unit in a vented area away from moisture or liquids. Please handle the unit with care. Do not open the case. Doing so will void the warranty. *If the product is returned with damage caused by improper handling, the warranty will be void and liability will rest with the user.*

3. SYSTEM REQUIREMENTS

FireWire 800 equipped computer (9-pin connection)

- Mac OS X 10.2.4 or higher
- Windows 2000 or Windows XP

FireWire 400 equipped computer (4-pin or 6-pin connection, requires optional cable)

- Mac OS 9.x or OS X
- Windows 2000 or Windows XP

USB equipped computer

- Mac OS 9.x or OS X
- Windows 2000 or Windows XP



4. WHAT'S IN THE BOX

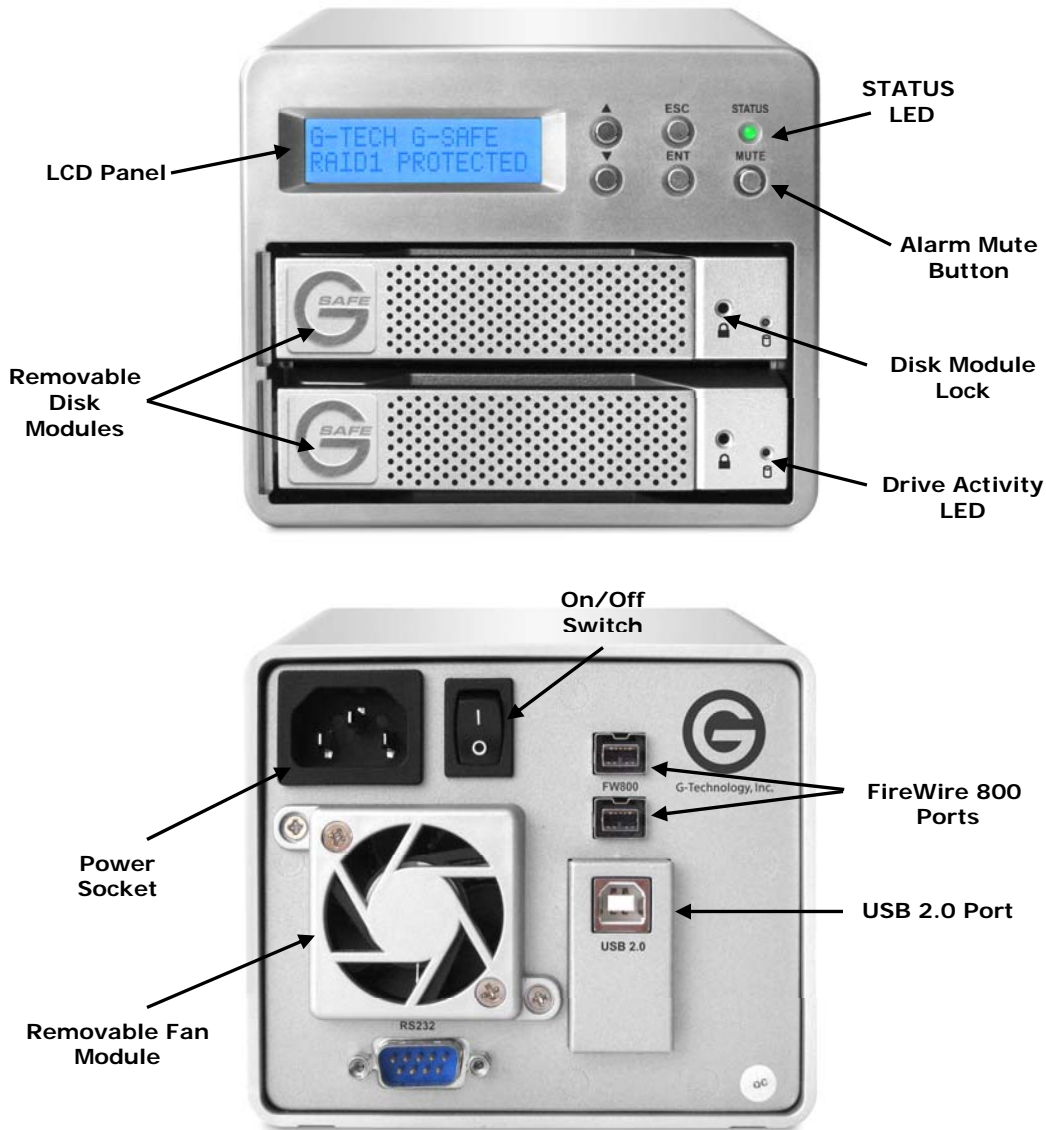
Take a moment to ensure that the following items are included in the box. If anything is missing, please call G-Tech at (310) 449-4599. Please keep the shipping container and packing materials. *In the unlikely event that you need to return G-SAFE to us for any reason, you must use the G-Tech shipping container. If the product is returned damaged caused by improper packaging, the warranty will be void and liability will rest with the user.*

- G-SAFE array with two disk drive modules
- FireWire 800 (9-pin to 9-pin) cable
- USB 2.0 cable
- Power cord
- Installation CD-ROM
- Two drive module keys





5. G-SAFE OVERVIEW



Attention Mac OS X Users

G-SAFE is set up at the factory for use with Mac OS X systems. If you are running Mac OS X, G-SAFE will mount on the OS X desktop right out of the box. If it becomes necessary to re-format G-SAFE for Mac OS X, see section 10.1.



Attention Windows Users

G-SAFE must be formatted for the Windows Operating System before use on a PC. Please see section 10.2 for more information.



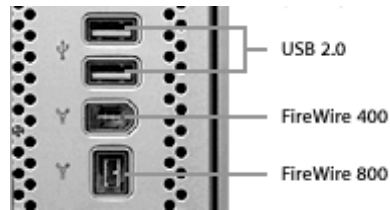
Attention Cross Platform Users

G-SAFE can be used on both MAC and PC systems by formatting the drive "FAT32." There are some limitations when using FAT 32, see section 10.3 for details. Alternatively you can install software on the Windows machine such as "MacDrive" which will allow you to mount MAC formatted drives on your PC.



6. INSTALLING G-SAFE

G-SAFE attaches to your computer via a USB 2.0 or FireWire port. For maximum performance we recommend using a FireWire 800 connection.



1. Attach the interface cable of your choice to one of the ports on the back of your G-SAFE. Attach the other end of the interface cable to your computer.

Note: G-SAFE ships with a 9-pin to 9-pin FireWire 800 cable and a USB 2.0 cable. If you wish to connect G-SAFE to a FireWire 400 port, please contact G-Tech sales at (310) 449-4599 or you may purchase a 4-pin to 9-pin or 6-pin to 9-pin FireWire cable online at www.g-technology.com.

2. Attach the power cord to the power connector on the rear of G-SAFE and plug the other end in to a surge protector or wall outlet.

7. G-SAFE OPERATION

7.1 Powering on G-SAFE for the First Time

Power on your computer, wait a few seconds and then power on G-SAFE. The power switch is located on the back panel of the G-SAFE enclosure.

The LCD panel on G-SAFE will indicate that Drive 1 and Drive 2 are "OK" as shown below and the system will automatically mount on the desktop (Mac OS X).



Note: G-SAFE is set up at the factory for use with Mac OS X systems. If you are running Mac OS X, G-SAFE will mount on the OS X desktop right out of the box. G-SAFE must be formatted for the Windows Operating System before use on a PC. Please see section 10 for more information.

All data saved to G-SAFE is simultaneously written (mirrored) to the system's two removable disk drive modules providing an instant back up of your data. If one of the disk drive modules in G-SAFE should fail, your data is safe and accessible.



WARNING: Never remove a disk drive module while the unit is powered on unless a drive failure has occurred. Data loss may occur.

7.2 FRONT PANEL STATUS LED & ALARM

During normal operation, the front panel STATUS LED will glow green. If a failure occurs, the STATUS LED will change to yellow and the alarm will sound. The alarm can be muted by pressing the mute button located on the front panel of G-SAFE

STATUS LED	Alarm	System Status
Green	OFF	OK
Yellow	ON	Disk or fan failure, over temperature warning

7.3 LCD Panel Messages

During normal operation, the LCD panel will display the following message.



If one the disk drive modules is removed or the system does not recognize a drive module on power up, the following message will appear on the LCD. Power off G-SAFE and ensure that the drive modules are completely inserted in to the G-SAFE enclosure.



If a drive failure occurs, the LCD will indicate which disk must be replaced as shown below. (See Section 7 – REPLACING A DISK DRIVE MODULE)



If the fan malfunctions, the LCD will display the message below. Stop using G-SAFE until the fan module is replaced



If the system is overheating, the LCD will display the message below. Stop using G-SAFE and move the unit to a cooler environment.



Note: If any of the above error messages appear, contact G-Tech Technical Support at (310) 449-4599 or support@g-technology.com for assistance. It is critical that action be taken to ensure reliable operation and data integrity.

Pressing the **ENT** button on the front panel will show the following on the LCD display.



Pressing the up arrow will display the RPM of G-SAFE's fan as shown below.



8. REPLACING A DISK DRIVE MODULE

In the event of a disk drive failure, the G-SAFE alarm will sound and the LCD will display a message like that below. Mute the alarm by pressing the MUTE button on the front panel. The blue LED on the failed disk drive module will also be illuminated.

Your data is still intact, but it is important that you replace the failed drive as soon as possible. Contact G-Tech Technical Support at (310) 449-4599 or at support@g-technology.com to request a new disk drive module.

Follow the directions below to replace the failed disk drive module.

1. Power on G-SAFE.

Note: It is not necessary to have your computer powered on during this process.

2. Identify the failed disk drive module indicated by the LCD panel and the blue LED on the disk module (in this example Drive 2) as shown below.



3. Remove the failed disk drive module by inserting the provided key in to the lock hole and gently pull out the module.



WARNING: Be absolutely sure to remove the module indicated by the LCD (Drive 2 is the bottom drive).



WARNING: Removing the wrong disk drive module can result in data loss!!

4. Carefully insert a new disk drive and secure the module by latching the handle. G-SAFE will ask if you would like to rebuild the array. (in this case G-SAFE will rebuild from Drive 1 (top) to Drive 2 (bottom))



5. Push the ENT button to begin the process or ESC button to cancel (the process will automatically cancel in 10 seconds)

6. G-SAFE will now rebuild the data to the target drive



7. Once the rebuild is complete, the LCD panel will display the following message.



G-SAFE is now back to protecting your valuable data!

Note: The rebuild process takes approximately one minute for each 2.5 GB of storage capacity. So the rebuild time for a 250GB drive is approximately 100 minutes. While it is possible to access the G-SAFE during rebuild, data access may be very slow.

9. USING G-SAFE FOR OFFSITE DATA BACKUP

With the addition of a third drive module it is possible to add a greater level of protection by storing a copy of your data offsite. By rotating drive modules offsite at regular intervals you can always have a copy of your data safe and secure.



The process is simple, however to avoid data loss be sure to follow these instructions carefully.

1. Turn off G-SAFE and remove the drive module you will take offsite using the provided key. (You can remove either drive)



2. Place the drive for offsite storage in the protective leather pouch (leather pouch is included with purchase of additional drive modules for G-SAFE)

- Turn on G-SAFE (the alarm will sound and the display will indicate a MISSING drive)



- Mute the alarm by pressing the "MUTE" button on the front panel.
- Insert the target drive module while the unit is on. (This could be the drive module you had stored offsite)



WARNING: The target drive you are inserting will be overwritten with data from the source drive. Be sure you are inserting the correct drive.

- G-SAFE will ask if you would like to rebuild the array. (in this case G-SAFE will rebuild from Drive 1 (top) to Drive 2 (bottom))



- Push the ENT button to begin the process or ESC button to cancel (the process will automatically cancel in 10 seconds)
- G-SAFE will now rebuild the data to the target drive.



- Reset the "MUTE" button to re-enable the audible alarm.



Note: The rebuild process takes approximately one minute for each 2.5 GB of storage capacity. So the rebuild time for a 250GB drive is approximately 100 minutes.

- Once the rebuild is complete, the LCD panel will display the following message.



G-SAFE is now back to protecting your valuable data!

9.1 Disaster Recovery using Offsite Backup Module

If the data on your G-SAFE somehow becomes compromised, follow the directions below to restore from your offsite backup drive.

1. Turn off G-SAFE.
2. Remove both drive modules.
3. Insert the offsite backup drive module in either bay.
4. Turn on G-SAFE (the alarm will sound and the display will indicate a MISSING drive).



5. Mount the drive on your system and verify the contents of the drive.
6. Insert one of the original (compromised) drive modules in the open bay.



WARNING: The target drive you are inserting will be overwritten with data from the source drive. Be sure you are inserting the correct drive.

7. G-SAFE will ask if you would like to rebuild the array. (in this case G-SAFE will rebuild from Drive 1 (top) to Drive 2 (bottom))



8. Push the ENT button to begin the process or ESC button to cancel (the process will automatically cancel in 10 seconds)

9. G-SAFE will now rebuild the data to the target drive.



10. Reset the "MUTE" button to re-enable the audible alarm.



Note: The rebuild process takes approximately one minute for each 2.5 GB of storage capacity. So the rebuild time for a 250GB drive is approximately 100 minutes.

11.

11. Once the rebuild is complete, the LCD panel will display the following message.



G-SAFE is now back to protecting your valuable data!



NOTE: To create a copy of your data for offsite backup, turn off G-SAFE and repeat steps 6 through 11 using the second (compromised) drive module. Now all your drive modules have the most recent data and one can be taken offsite for safe keeping.



10. INITIALIZING G-SAFE

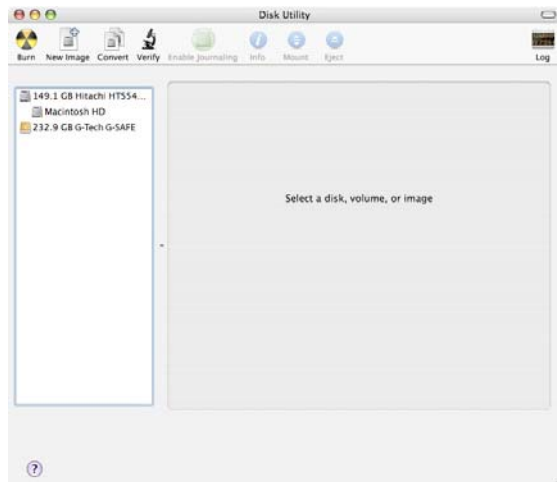


G-SAFE is set up at the factory for use with Mac OS X systems. If you are running Mac OS X, G-SAFE will mount on the OS X desktop right out of the box. If it becomes necessary to re-format G-SAFE, follow the instructions below.

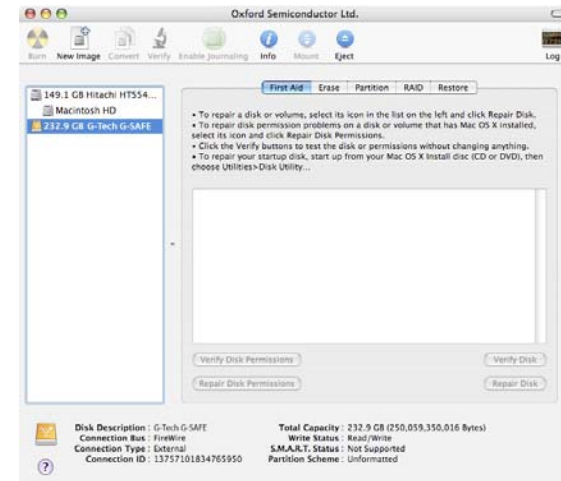
- For Mac OS X installations, proceed to Section 10.1
- For Windows 2000/XP installations, proceed to Section 10.2
- For Cross-Platform use see section 10.3

9.1 Mac OS X (10.4.x)

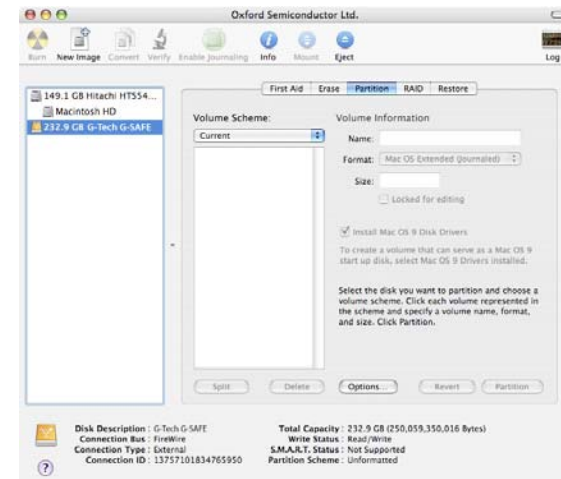
1. Open the Apple *Disk Utility*. The Apple *Disk Utility* is in the **Utilities Folder** located in the **Applications Folder** on the Macintosh HD. A dialog box like the following will appear. G-SAFE will be displayed in the left-hand column as shown.



2. Select G-SAFE by clicking on the entry in the left-hand column as shown below. Information about G-SAFE will be displayed at the bottom.

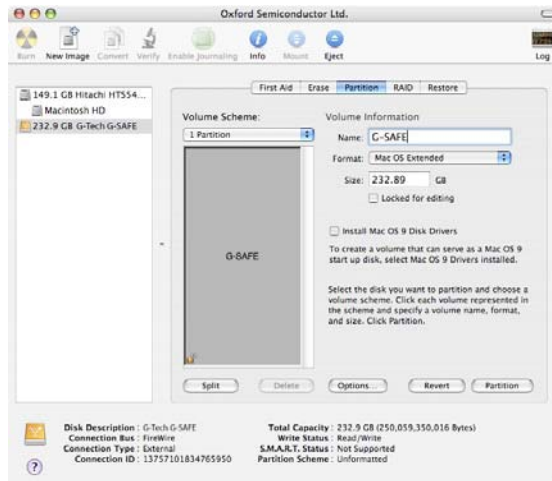


3. Select the **Partition** tab to view the partition options as shown below.



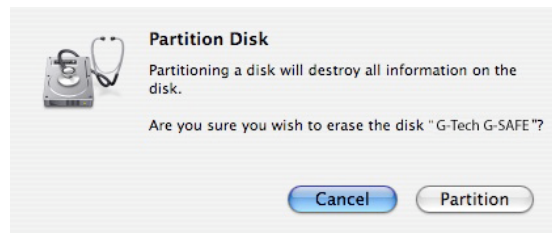


4. Set the **Volume Scheme:** to **1 Partition**. Enter a **Volume Name:** under Volume Information (in this example G-SAFE) and set **Format:** to **Mac OS Extended** as shown below.

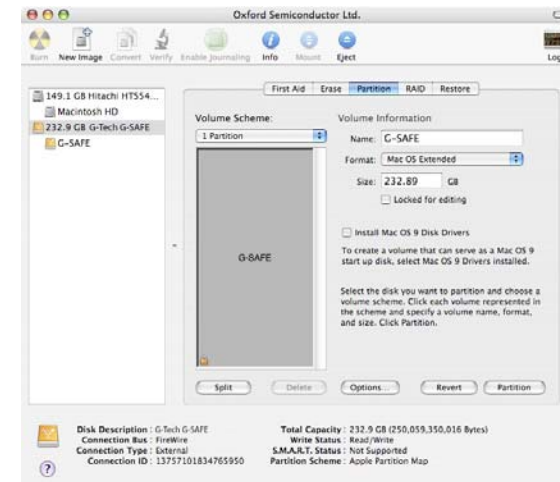


Note: Alternatively, G-SAFE can be set up in multiple volumes by selecting the desired number of partitions from the Volume Scheme pull-down menu.

5. Click on the <Partition> button. The dialog box shown below will appear. Click on the <Partition> button to continue.



6. When partitioning is complete, G-SAFE will be displayed in the left-hand panel as shown below.



7. Exit the Apple *Disk Utility*.

8. G-SAFE is now mounted on the desktop as shown below.

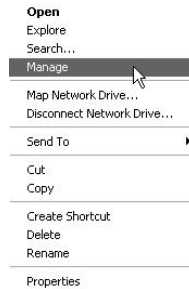


G-SAFE is now ready to safeguard your data!

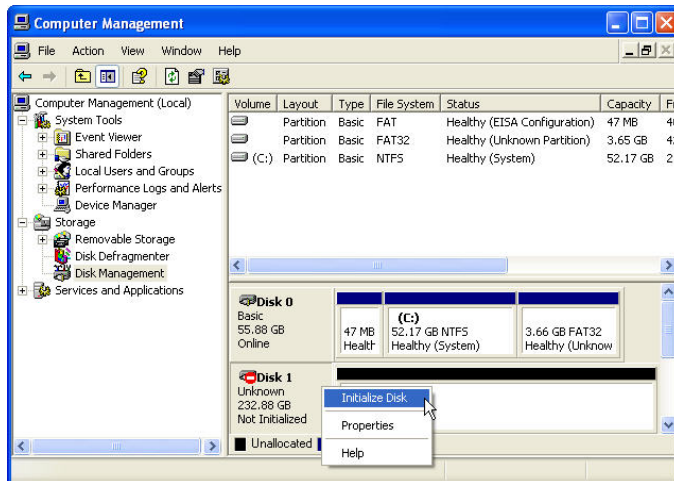


9.2 Windows 2000/XP

1. Power on G-SAFE, wait 10 seconds, then power on your computer.
2. Open the **Disk Management** utility by right-clicking on the My Computer icon on the desktop and selecting **"Manage"** from the drop down menu as shown below.

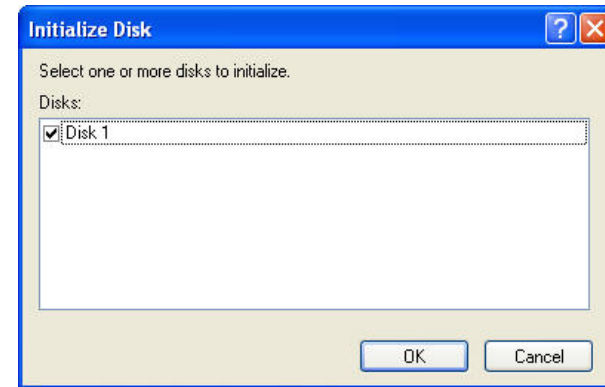


3. The *Computer Management* console will appear as shown below. Click on **"Disk Management"** in the left-hand panel. G-SAFE is identified as Disk 1 in this example.

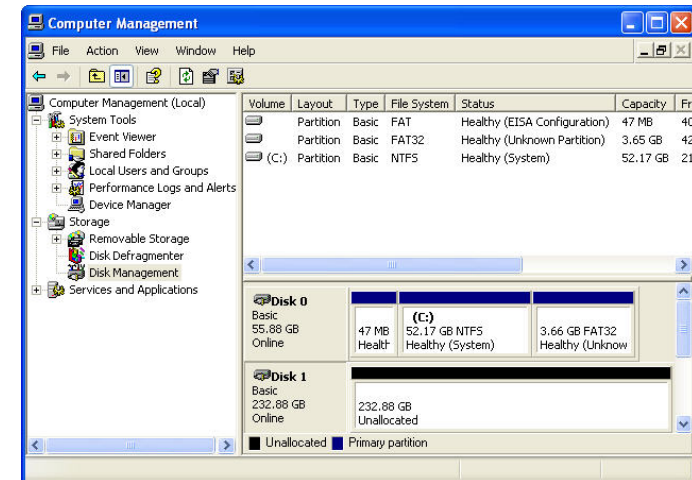


Right click on **Disk 1** and select **Initialize Disk** from the pull-down menu as shown. The window shown on the next page will appear.

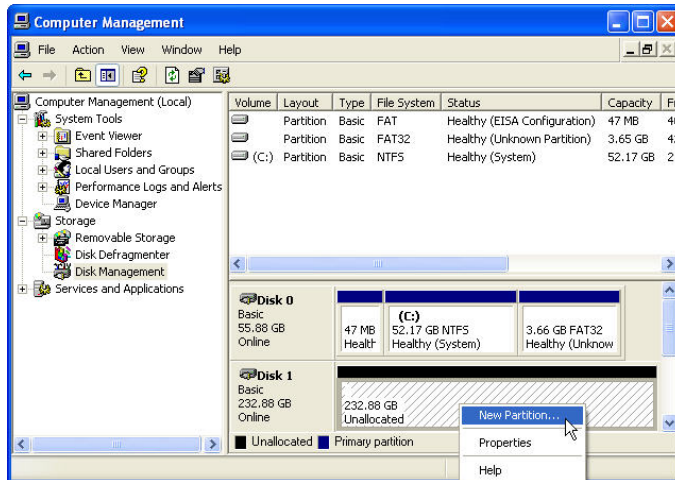
4. Click on the <OK> button to continue.



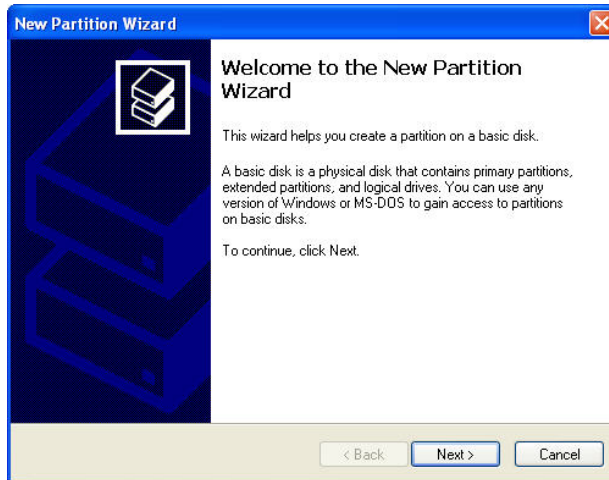
5. The following window will appear. G-SAFE (Disk 1) is now identified as Basic and Online.



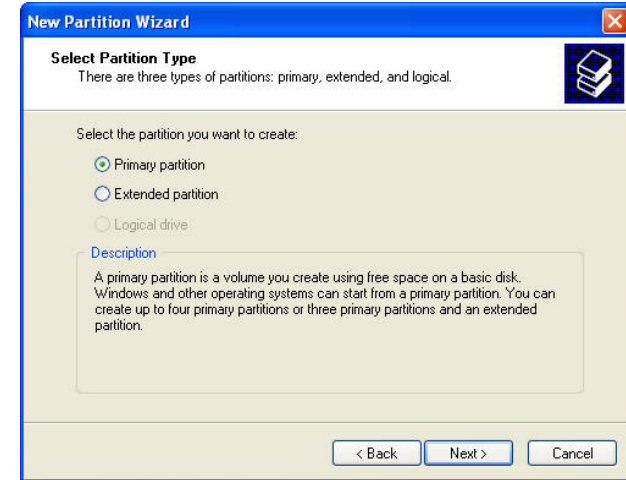
6. Right-click on the **Disk 1** “Unallocated” bar entry and select **New Partition...** from the pull-down menu as shown below.



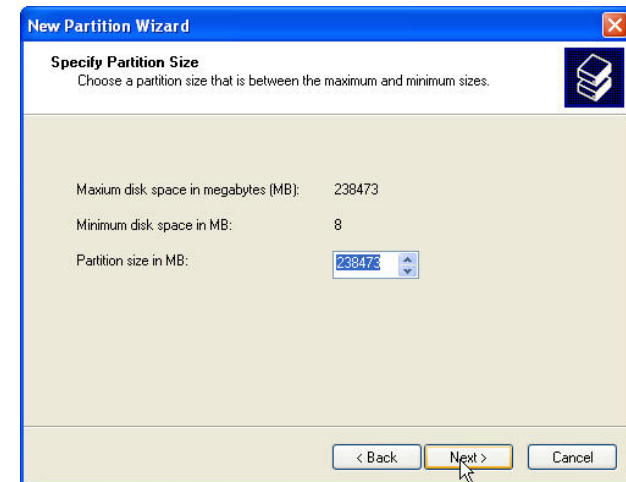
7. The window shown below will appear. Click on the <Next> button to continue.



8. The following window will appear. Click on the <Next> button to continue.

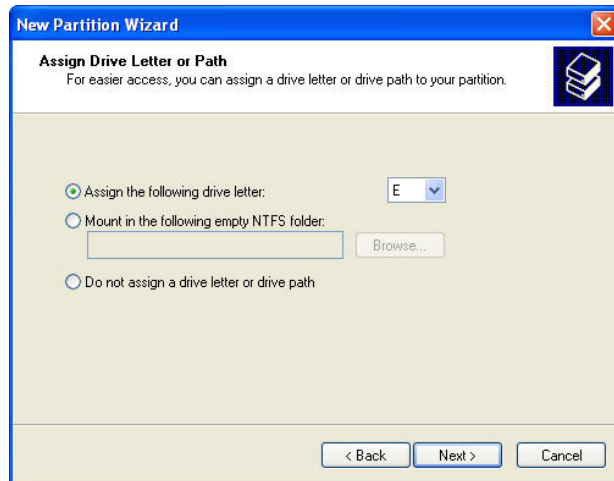


9. The window shown below will appear. Click on the <Next> button to continue. This will create one large volume using all of the available space on G-SAFE.

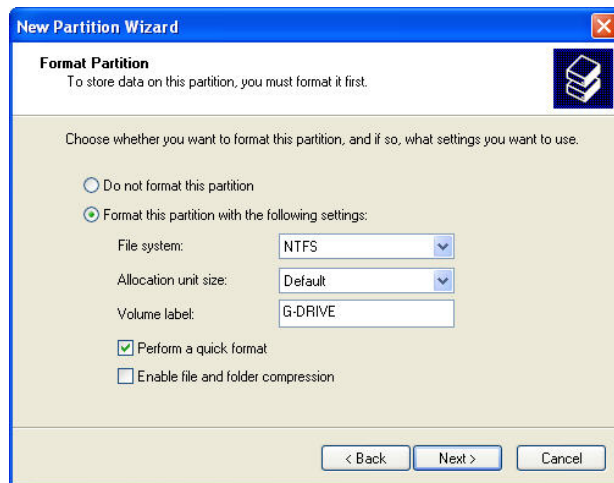


Note: Multiple partitions can be created on G-SAFE. Consult your Windows documentation for instructions on setting up multiple partitions.

10. Windows will automatically assign a drive letter (in this example E:). Accept this assignment and click on the <Next> button to continue.



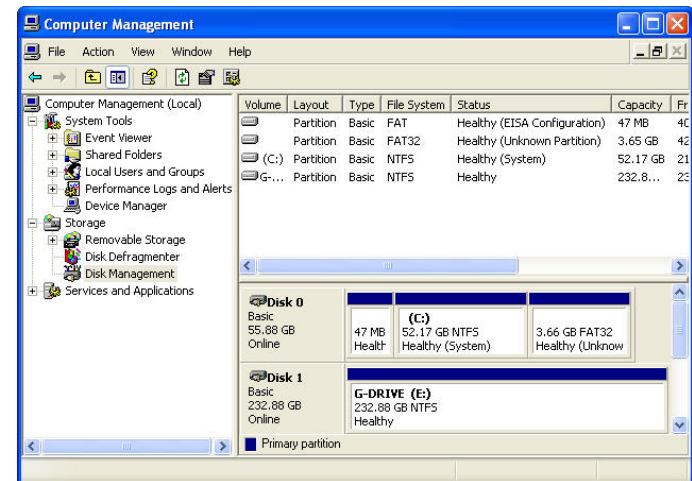
11. Enter a **Volume Label:** (in this example, G-SAFE), check the **Perform a quick format** box and click on the <Next> button to continue.



12. The following window will appear. Click on the <Finish> button to continue.



13. Windows will format the volume and then display the following window. Disk 1 is now identified as G-SAFE (E:). Exit the *Computer Management* console



14. G-SAFE will now be displayed as an available hard disk drive under *My Computer* as shown below.

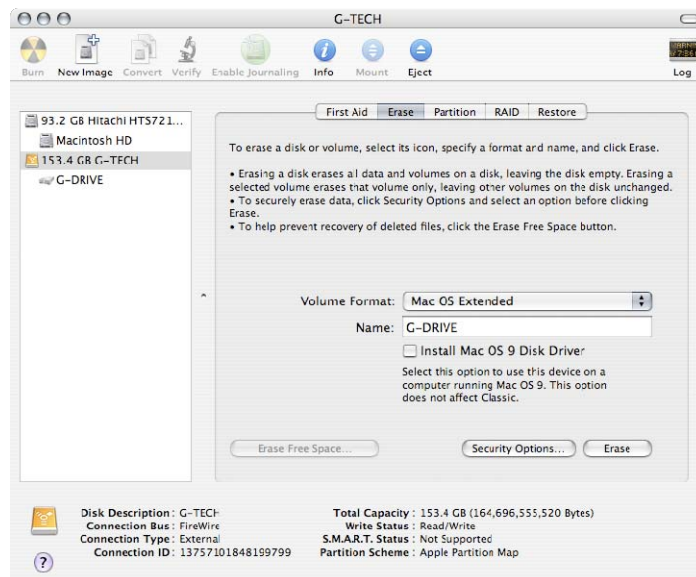


G-SAFE is now ready to safeguard your data!!

9.3. Cross Platform Use

To setup your G-SAFE for use on both Windows and Macintosh systems, use the Apple Disk utility and format G-SAFE FAT32.

1. Open the Apple *Disk Utility*. (The Apple *Disk Utility* is in the **Utilities Folder** located in the **Applications Folder** on your system drive). A window like the one below will appear.
2. Select the G-SAFE from the left-hand column, then select the "Erase" button at the top as shown. Select MS-DOS File System from the drop down menu and Enter "G-SAFE" in the Name field.



3. Click on the erase button and the screen on the next page will appear.



4. Click "Erase" and your drive will be formatted to its full capacity as FAT32. With this format, you will be able to READ/WRITE on both windows (2000/XP) and MAC OS machines. (NOTE: You could format your drive on a Windows machine FAT32, however Windows currently limits FAT32 partitions to 32GB in size)



WARNING:

THIS WILL ERASE ALL DATA ON YOUR DRIVE.



NOTE:

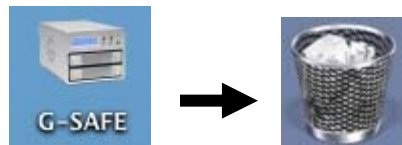
The 'MS-DOS File System' cannot write files over 4 GB. If you are working with files over 4 GB, you may want to choose a software option like MacDrive. MacDrive is Windows software that enables the Windows OS to mount MAC formatted drives. (www.macdrive.com)

10. UNMOUNTING/DISCONNECTING G-SAFE

A great feature of G-SAFE is its ability to be connected and disconnected while your computer is running. To prevent failures and/or data loss it is important to follow the steps below when unmounting/disconnecting G-SAFE from your computer.

10.1 Mac OS X Computers

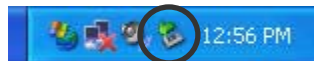
1. Before powering down and disconnecting G-SAFE, you must unmount the system by simply dragging the G-SAFE icon to the trash located in the dock.



2. It is now safe to power off and remove G-SAFE from your system.

10.2 Windows Computers

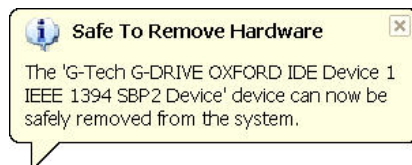
1) Before powering down and disconnecting G-SAFE, left-click on the Eject icon shown below.



2) The following box will appear. Click on the entry.

Safely remove G-Tech G-DRIVE OXFORD IDE Device 1 IEEE 1394 SBP2 Device - Drive(E:)

3) A balloon like the following will appear.



4) It is now safe to power off and remove G-SAFE from your system.

11. OPTIMIZING DATA TRANSFER RATES

G-SAFE FW can be connected to any Mac or PC equipped with a FireWire 400 (using optional 4 or 6-pin to 9-pin cables), FireWire 800 or USB 2.0 port. For best performance, G-SAFE should be connected via FireWire 800.

12. TECHNICAL SUPPORT

If you encounter any difficulties while installing G-SAFE, please contact G-Tech Technical Support via one of the following ways:

Telephone: (310) 449-4599
 Fax: (310) 449-4670
 E-mail: support@g-technology.com
 Internet: <http://www.g-technology.com>

When contacting Technical Support, make sure to be in front of your computer and have the following information readily available:

- Your G-SAFE serial number (on bottom of unit)
- Operating system and version
- Computer brand and model
- Amount of memory installed
- Other devices attached to your computer

Thank you for purchasing G-SAFE. If you have any comments or questions about this manual or the product, please call (310) 449-4599, or send an email to info@g-technology.com.



13. LIMITED WARRANTY

G-Technology Inc. (G-Tech) warrants your product against any defect in material and workmanship, under normal use, for the designated warranty period. If the product should become defective within the warranty period, G-Tech, will at its discretion, repair or replace the product. Repair or replacement parts or products will be furnished on an exchange basis and will be either new or reconditioned. All replaced parts or products shall become the property of G-Tech. This warranty shall not apply if the product has been damaged by accident, misuse, abuse or as a result of unauthorized service or parts. Warranty service is available to the purchaser by obtaining a Return Material Authorization number (RMA) and by delivering the product during the warranty period to an authorized G-Tech service facility or to G-Tech. The purchaser shall bear all shipping, packing and insurance costs and all other costs, excluding parts and labor, necessary to effectuate repair, replacement or refund under this warranty. All returned product must be shipped to G-Tech in the original shipping container.

For more information on how to obtain warranty service, an RMA number or to acquire shipping materials, contact G-Tech at 1653 Stanford Street, Santa Monica, CA 90404, (310) 449-4599 or support@g-technology.com.

IN THE EVENT A PRODUCT BECOMES DEFECTIVE DURING THE WARRANTY PERIOD, THE PURCHASER'S EXCLUSIVE REMEDY SHALL BE REPAIR OR REPLACEMENT AS PROVIDED ABOVE. INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF DATA, ARISING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ARE NOT THE RESPONSIBILITY OF G-TECH AND, TO THE EXTENT PERMITTED BY LAW, ARE HEREBY EXCLUDED BOTH FOR PROPERTY DAMAGE, AND TO THE EXTENT NOT UNCONSCIONABLE, FOR PERSONAL INJURY DAMAGE.