

InfoSafe Mobile Drive Enclosure

External USB 2.0 2.5" Hard Drive Enclosure with One-Button Backup

IDECASE25U2B

Instruction Manual



Actual product may vary from photo

INFO SAFE

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The Professionals' Source for Hard-to-Find Computer Parts

FCC Compliance Statement

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 to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com InfoSafe external hard drive enclosure. This product allows you to turn virtually any standard 2.5" notebook computer hard drive into a portable storage solution. Perfect for multimedia, digital imaging, audio, and other demanding applications, this product also has an innovative One-Button Backup feature that allows you to move critical files from your computer to the hard drive effortlessly.

Features

- Supports almost any 2.5" form factor IDE hard drive
- Pocket-sized enclosure in a lightweight, durable aluminum finish
- Can be completely powered through your USB ports for ultimate portability
- Unique One-Button Backup feature automates routine file transfer tasks
- Backwards compatible with the USB 1.1 standard (USB 2.0 computer interface required to achieve maximum data transfer speeds)

Before You Begin

System Requirements

- A computer with an available USB 2.0 port
- An operating system that supports removable hard drives: Windows 98SE/ME/2000/XP/2003 Server, Mac OS 9.0.x, 9.2.x, 10.x or higher (other operating systems may also support this product; consult your documentation for specific details)

Contents

This package should contain:

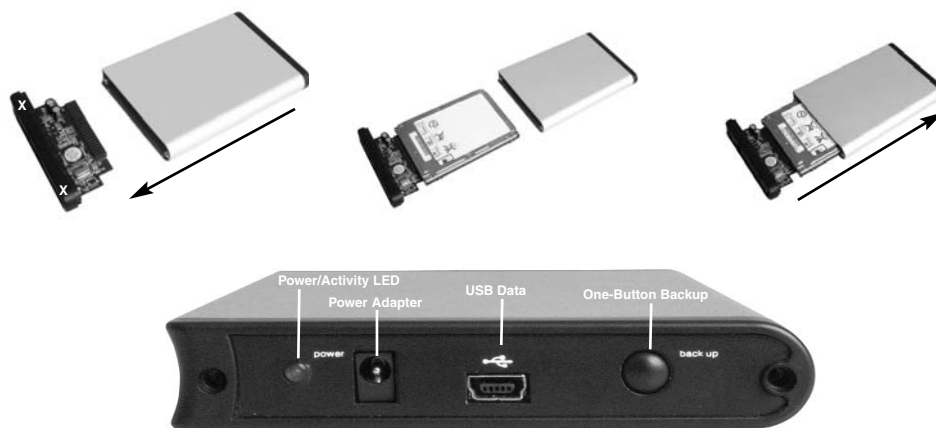
- 1 x IDECASE25U2B
- 1 x USB 2.0 data cable
- 1 x USB or PS/2 power cable
- 1 x Installation CD
- 1 x Instruction Manual

Installation

Installing a Hard Drive in the Enclosure

Use caution when installing a hard drive in the enclosure. Excessive shock or force could damage the drive and/or the enclosure, resulting in data loss.

CAUTION: Always ensure that you are properly grounded when handling a hard drive or the enclosure tray, since electronic components can be damaged by static electricity. If an anti-static mat or similar product is not available, ground yourself by touching a computer case or other metal surface for several seconds before handling any components.



1. Using a small Phillips screwdriver, remove the screws holding the tray in the enclosure, marked with an "x" in the picture above. Use care when removing the screws, as they are extremely small. After you have removed them, place them in a safe location until you are ready to re-insert the tray into the enclosure.
2. Gently slide the tray out of the enclosure in the direction noted above.
3. Line up the connectors on the hard drive with the connector on the tray. Gently slide the hard drive into place until there is a snug fit between the tray and the hard drive. Do not use excessive force to avoid damaging the drive and the the enclosure.
4. Gently insert the tray into the enclosure, ensuring that the top of the tray matches the top of the enclosure and that the rear panel of the tray is flush with the outer edge of the enclosure.
5. Using the screws you removed in step 1, re-secure the tray inside the enclosure. The 2 screws should be tightened snugly.

Installing Drivers (Windows 98SE)

Windows ME/2000/XP/2003 Server and supported versions of Mac OS all support removable hard drives without additional software. Ensure you have the most current updates installed. Computers running Windows 98SE need to install support for USB removable mass storage devices before using the enclosure:

1. Insert the installation CD into your computer's CD-ROM or other compatible optical drive.
2. Double click the **My Computer** icon on the desktop. Double click the icon for the computer's CD-ROM drive.
3. Double click folders in the following order: **VT6204 > WIN98DRV**.
4. Right click once on the **UMSS.INF** file. Choose **Install** from the menu.
5. You can now connect the enclosure to your computer.

Connecting the Enclosure to a Computer

This product has been tested with Windows 98/98SE, ME, 2000, XP, 2003 Server, and Mac OS 9.0.x, 9.2.x, and X. Other operating systems may also support this device; consult your documentation or a computer service professional for details on whether this product will work with your operating system and configuration.

When used with the Windows operating systems noted above, the drive enclosure is "hot-swappable" which means the drive can be connected and disconnected while the computer is running and will be immediately accessible to the user like any other hard drive.

1. Place the enclosure near the computer you wish to use.
2. Using the provided USB 2.0 data cable, connect one end to the USB connector on the rear panel of the enclosure. Connect the opposite end of the cable to an available USB port on the back of the computer or a powered USB hub. The LED indicator on the rear panel of the enclosure should light to indicate power.
3. You may also connect the additional USB or PS/2 power connector. This converts the power from the port to the power adapter tip on the enclosure, but does not transmit or receive any data. The additional power connector may not be necessary in all configurations, however you can attach it if you receive an "insufficient power" warning from the operating system. In those cases where the enclosure is able to receive enough power using a single USB connection, you can use only the provided standard USB 2.0 cable to power and use the device. If you wish to use the power cable, connect it to an available USB or PS/2 port on the computer or powered USB hub. Connect the power tip to the power connector marked **Power** on the rear of the drive enclosure. If using the PS/2 connector, note the pass-through for your keyboard/mouse.
4. Alternatively, you may also use an external power adapter (not provided) with the device. For most configurations, you will not need more power than what can be provided using the included USB power cable. If you wish to use an external power adapter with the drive enclosure, a universal adapter rated for 5V DC output at 1.5A and a tip with a positive center will work with the enclosure. Most electronics stores should be able to provide a generic adapter that meets these requirements. Be sure to follow any precautions and usage instructions provided with the power adapter to avoid any damage to the drive enclosure.
5. The drive should be ready to use and will be visible under **My Computer** (Windows) or on the desktop (Mac OS).

Disconnecting the Enclosure from a Computer

1. Ensure that any programs that have accessed the drive are closed.
2. You may wish to use your operating system's "safe removal" feature to be absolutely sure that no data is being written to or read from the hard drive in the enclosure when you disconnect it from the computer. In Windows, you can click the Safe Remove icon (see above) and choose the enclosure from the menu. In Mac OS, you can drag the icon for the drive to the trash to "eject" it and stop it safely.
3. You can now safely remove the USB 2.0 data cable from the enclosure.



Installing and Using the One-Button Backup Software

The drive enclosure includes a software package that allows the button on the rear panel of the enclosure to activate a configurable, pre-determined schedule of file transfers between a computer and the drive enclosure. This allows you to automate routine backups for added convenience.

This software is designed for use with Microsoft Windows 98SE, ME, 2000 and XP operating systems only. When the software is not installed, the One-Button Backup button on the enclosure cannot be used.

Installation

1. Ensure the enclosure is connected to the computer, has been recognized by Windows, and is accessible through **My Computer**.
2. Insert the installation CD into your CD-ROM or other optical drive. Go to **My Computer**. Double click the icon for your CD-ROM.
3. Double click these folders in the following order: **VT6204 > VBTUCOPY**.
4. Double click the **setup.exe** file. When prompted, click **Next** to begin the installation process.
5. On the page showing the license agreement, read the terms and conditions and select the **I Agree** option. Click **Next**.
6. Click **Next** on the following two screens to begin the file copying process.
7. When the install program has finished copying files to the computer, it will present you a summary of the software components installed. Click **Next** and then click **Finish** on the next screen to complete the installation. You can now configure the One-Button Backup software. (Note: The installation program will automatically launch the backup software as it completes the installation. You may need to click the icon for the installation software in the taskbar to activate the setup window and complete the installation program.)

Configuration and Use

The backup software uses separate "tasks" that dictate what folders will be copied between the computer and the enclosure when the One-Button Backup button is

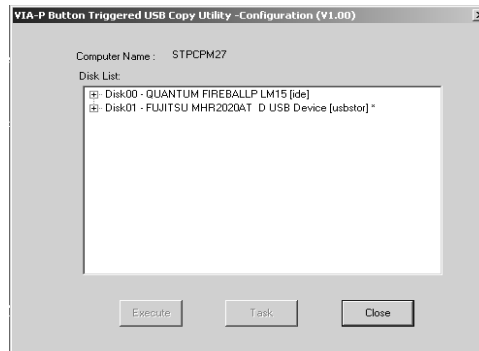
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pressed. Multiple tasks can be set as “active” and will be carried out in sequence. Tasks set as “inactive” will be ignored until they are added to the active task list.

The backup software is launched automatically by the setup program and automatically starts every time Windows is loaded. You can access the software at any time by double-clicking its icon in the taskbar, located next to the clock.



The main window of the backup software consists of a list of drives and three buttons. The name and drive letter assigned to your drive may vary from this example, but will always be marked by the “usbstor” indicator in the drive description. To access the options for the drive enclosure, highlight it on the list. You can then use one of the three buttons to configure your options.



Execute

This button will start any tasks that have been configured. This has the same function as pressing the One-Button Backup button on the rear panel of the enclosure. If you use this option or press the One-Button Backup button on the enclosure without having any active tasks configured, you will receive a warning that states **Can't find any copy task to execute!**

Task

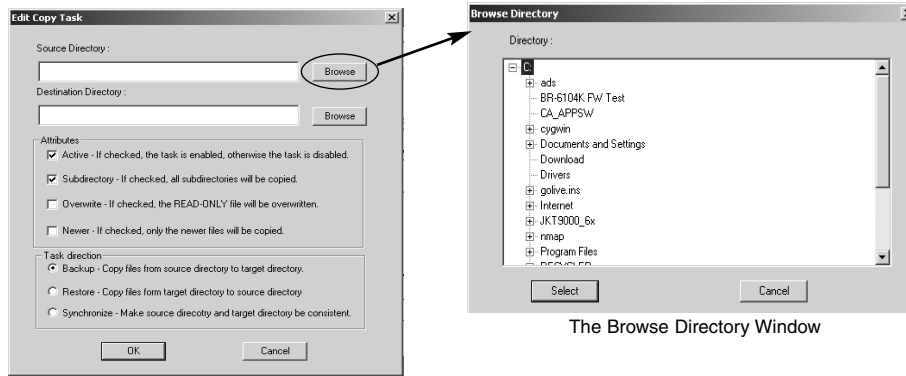
This window allows you to configure one or more tasks that the enclosure will run when the One-Button Button is pressed on the enclosure. A task is simply a selection of folders that will be copied from the computer to the enclosure. See below for more details on how to configure tasks using the Task window. (If you receive a warning the first time you attempt to configure a task, simply click **OK**. It means the backup software has not found an existing task configuration file.)

Close

This closes the backup software window. You can still use the One-Button backup button; you can access the software again by double clicking the icon in the taskbar (see above).

Task Detail Window

You will be presented with this menu when adding a new task or modifying an existing task.



You can manually enter the path (i.e. **C:\Directory**) in the Source and Destination Directory boxes, if you know them. Otherwise, click **Browse** and select the directories from the Browse Directory window (see above). Once you have selected the source (from the computer) and destination (to the enclosure) directories for the task, you can modify the attributes and options below.

Attributes:

Active

The task is active and will be run when the backup button is pushed. This setting can also be managed from the Task Status window (see below).

Subdirectory

When checked, includes any subdirectories contained inside the selected directories. When unchecked, copies the selected directories only and ignores any subdirectories.

Overwrite

When selected, read-only files will be copied over without prompting you for permission.

Newer

Compares the dates on the files in the directories and copies only the files on the computer that have been modified.

Task Direction:

Backup

Copies files from the computer to the enclosure.

Restore

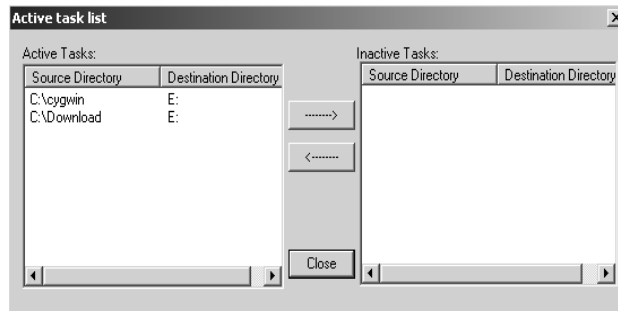
Copies files from the enclosure to the computer.

Synchronize

Copies files as needed between the computer and enclosure so that both have the same files and file versions.

The Task Status Window

When you click the **Active List** button, you will be presented with this window. By highlighting tasks and clicking one of the two arrow buttons, you can select which tasks will be run when the One-Button Backup button is pressed. Those tasks that appear in the Inactive list will not run. Click the **Close** button to make your changes active.



Troubleshooting

My computer does not recognize the hard drive or the enclosure.

Ensure that all necessary drivers have been installed. If you are using Windows 98SE, follow the driver installation instructions so that Windows can recognize a removable hard drive. Also, ensure that the drivers for your USB controller have been properly installed. If necessary, use the USB power cable for additional power or attach an external power adapter to ensure the enclosure and hard drive are receiving enough power.

My computer recognizes the hard drive, but I cannot read any of the files.

Depending on your operating system, you may need to format or partition the hard drive to make the drive and its data available to the operating system. If you will be using the hard drive on computers with different operating systems, try using a common file system like FAT32 to partition and format the drive. Some file systems, like the NTFS file system available in Windows 2000 and XP are not backwards compatible with older versions of Windows and other operating systems. For more information on partitioning and formatting hard drives, consult the documentation for your operating system.

Specifications

Hard Drive Compatibility	EIDE: ATA/33/66/100/133/166 drives supported (ATA/100/133/166 drives interface at ATA/66 speeds)
External Interface/Data Transfer Rate	USB 2.0 (backwards compatible with USB 1.1/1.0) Maximum data transfer rate: 480 Mbits/sec. (A USB 2.0 interface is required for maximum data transfer rates. Actual data transfer speeds will vary by configuration.)
Interface Connections	Internal: 1 x 44-pin 2.5" IDE hard drive interface External: 1 x USB 5-pin mini "B" data connection 1 x Power adapter connector 1 x One-Button Backup button
Dimensions (L x W x H)	5.39 x 3.27 x 0.61 in. (13.7 x 8.3 x 1.6 cm)
Optional Power Adapter Requirements	Output: 5V DC, 1.5A, positive center
Regulatory Certifications	FCC Class B, CE

Accessory Products from StarTech.com

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CBUSB220

2 Port USB 2.0 CardBus Adapter

PCI225USB

Value 2 Port USB 2.0 PCI Card

PCI225USB_LP

Low Profile 2 Port USB 2.0 PCI Card

PCI420USB

4 Port USB 2.0 PCI Card

PCI425USB

Value 4 Port USB 2.0 PCI Card

PCI625USB2I

Value 6 Port USB 2.0 PCI Card

CB2U2F

2 Port USB 2.0 and 2 Port IEEE-1394 FireWire CardBus Slot Saver Adapter

PCI3UV22F

3 Port USB 2.0 and 2 Port IEEE-1394 FireWire Slot Saver PCI Card

PCISATA2U5

2 Port Serial ATA and 5 Port USB 2.0 Slot Saver PCI Card

PCISAT2F3U4

2 Port Serial ATA, 3 Port IEEE-1394 FireWire and 4 Port USB 2.0 Slot Saver PCI Card

USB2FAAEXT15

16 ft. USB 2.0 Active Extension Cable

USB2HABM3

3 ft. USB "A" to USB Mini-"B" 5-pin USB 2.0 Cable

USB2HABM6

6 ft. USB "A" to USB Mini-"B" 5-pin USB 2.0 Cable

USB2HABM10

10 ft. USB "A" to USB Mini-"B" 5-pin USB 2.0 Cable

Technical Support

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Warranty Information

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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