Removable Hard Drive Enclosure

Removable Drive Enclosure with Shock Absorbers for 3.5" SATA Hard Drives

DRW110SAT, DRW110SATBK

DRW113SAT, DRW113SATBK

DRW115SAT, DRW115SATBK

Instruction Manual

Actual product may vary from photo

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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 removable Serial ATA (SATA) hard drive enclosure with shock absorbers. Now, you can quickly add and remove SATA hard drives from your PC without having to open your computer. Whether for hot swapping hard drives, using multiple operating systems, making high speed, high capacity backups, or minimizing downtime on mission-critical PCs, StarTech.com's removable drive enclosures provide the ultimate in reliability and convenience. The sturdy all-aluminum design gives you extra durability and heat dissipation and the front caddy-mounted ball-bearing fan(s) keep your hard-working drive cool.

Features

- Shock absorbers keep hard drive protected

- Compatible with all 3.5 inch SATA hard drives

- Locking mechanism controls power to the drive so that the disk cannot be accidentally removed while in operation

- Ball-bearing fan(s) keeps hard drives running cool

Before You Begin

System Requirements

• An IBM-PC or Mac computer with an SATA Hard Drive interface

• Swap Manager software (DRW113SAT/DRW113SATBK/DRW115SAT/DRW115SATBK ONLY) requires Windows XP/2000/Me/98SE/98/95

• Allows "hot-swapping" of drives through Swap Manager software

• One drive connection cable
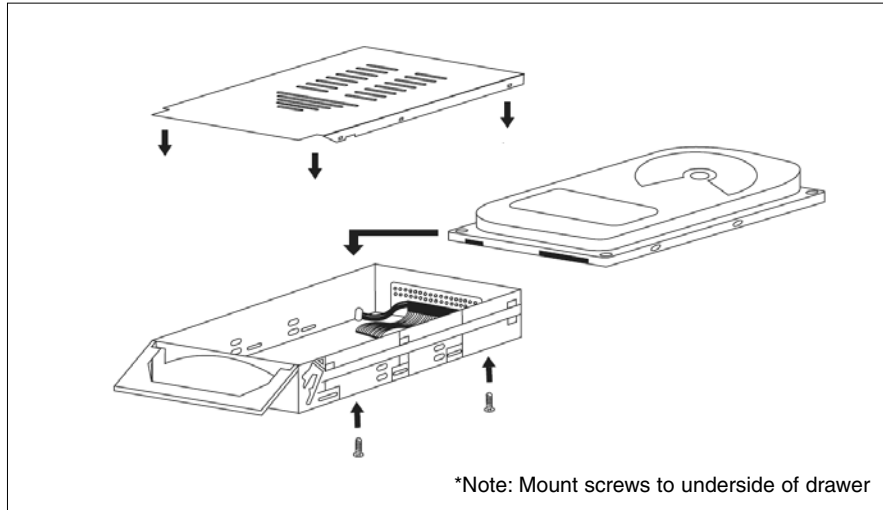
• One internal power cable

Contents

This package should contain:

- 1 x drive caddy

- 1 x drive bay

- 2 x keys to lock/unlock the drive

- Screw kit

- 1 x Swap Manager software CD (DRW113SAT/DRW113SATBK/DRW115SAT/ DRW115SATBK ONLY)
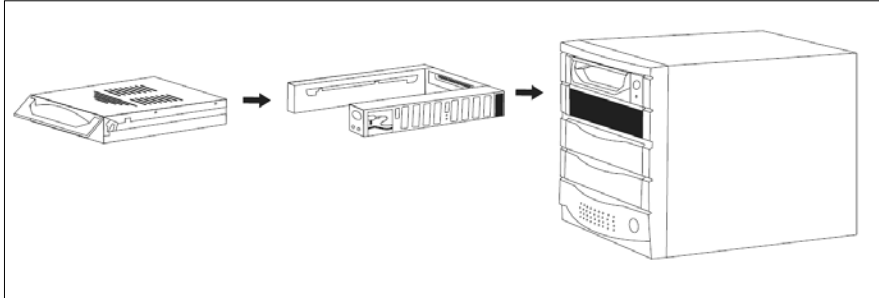
Installation

Installing the Hard Drive in the Caddy

*Note: Mount screws to underside of drawer

1. Remove the caddy from the bay by lifting the handle and sliding the caddy out of the bay.

2. Remove the top panel from the caddy by pressing the cover release button and sliding the lid towards the back of the caddy.

3. Connect the SATA ribbon to the hard drive, making sure that the red wire is on **Pin 1**.

NOTE: If you are unsure of the location of Pin 1, contact your hard drive manufacturer.

4. Attach the power connector to the hard drive.

5. Gently place the hard drive in the caddy, making sure that the screw-holes on the bottom of the hard drive line up with the holes in the caddy.

6. Firmly hold the hard drive to the shock absorber plate and use the four 6-32 x 1/4"(coarse thread) screws to mount your hard drive to the drawer from underneath.

7. Replace the top panel of the caddy.

Installing the Bay in the PC

1. Make sure your system is unplugged and you are grounded.

2. Remove the side covers from your system and remove the front cover from an available 5 1/4" drive bay (see your computer's user manual for details, if necessary).

3. Insert the bay into the 5 1/4" bay slot, making sure that the screw-holes on the side of the bay line up with the holes in the bay slot.

4. Connect your computer's cable ribbon to the connector on the back of the bay,

NOTE: Only drives that are connected to the secondary SATA controller can be hotswapped with Swap Manager software (DRW113SAT / DRW113SATBK / DRW115SAT / DRW115SATBK ONLY). It is not possible to hot-swap the C: or any other drives on the primary controller.

5. Plug a connector from your computer's power supply into the power port on the back of the bay.

6. Using the M3 x 1/4" long (fine thread) screws, mount the bay into the PC.

Installing the Caddy in the Bay

1. With the handle lifted, slide the caddy into the bay until it is firmly seated. Lower the handle to to click the caddy into its proper position.

2. Insert the key and turn clockwise to lock the drive into place and supply the drive with power. The drive will not function if the drawer has not been locked.

Removing the Drive Drawer

1. Insert the key and turn counter-clockwise to unlock the drive drawer.

2. Lift the handle and gently pull the caddy out of the bay.

NOTE: Do not unlock the drawer when the hard drive is in use (See "Monitoring Your Hard Disk Drive and Drawer" below). Only power down the drive when the hard drive is

idle. Once you have powered down the hard drive, wait about 15 seconds to let the hard drive "spin down" before removing the caddy from the bay.

Installing Your Swap Manager Software
(*DRW113SAT/DRW113SATBK/DRW115SAT/DRW115SATBK ONLY*)

NOTE: Remember that Swap Manager only works on IBM or compatible computers running Windows XP, 2000, Me, 98SE, 98, or 95.

NOTE: Windows 2000/XP/2003 Server users should be aware that Swap Manager does not support the dynamic disk feature introduced in these versions of Windows. If you are using the dynamic disk feature, you must convert the volume back to a basic disk to use Swap Manager.

To convert a dynamic disk to a basic disk:

1. Back up all the data on all the volumes on the disk you want to convert to a basic disk.

2. Log on as **Administrator** or as a member of the **Administrators** group.

3. Click **Start**, and then click **Control Panel**.

4. Click **Performance and Maintenance**, click **Administrative Tools**, and then double click **Computer Management**.

5. In the left pane, click **Disk Management**.

6. Right-click a volume on the dynamic disk that you want to change to a basic disk, and then click **Delete Volume**.

7. Click **Yes** when you are prompted to delete the volume.

8. Repeat **steps 4** and **5** for each volume on the dynamic disk.

9. After you have deleted all the volumes on the dynamic disk, right-click the dynamic disk that you want to change to a basic disk, and then click **Convert to Basic Disk**.

NOTE: You must right-click the gray area that contains the disk title on the left side of the **Details** pane. For example, right-click **Disk 1**.

To install the Swap Manager Software:

1. Insert your Swap Manager CD into your CD drive. If Windows does not automatically launch the software installation, or you encounter any errors, double-click on your CD icon and launch the **SETUP** file.

2. Click **Next** to continue the installation.

3. Select **Yes, I accept** to agree to the terms in the license agreement and click **Next**.

4. Enter a suitable location for the Swap Manager software and click **Next**. Click **Yes** to

confirm the location of the installation.

5. Click **Finish** when the installation is complete and reboot your computer to allow the changes to take effect.

Using Your Swap Manager Software

The following is intended to provide you with an introduction to your Swap Manager software. For detailed instructions and troubleshooting tips, consult the material provided on the Swap Manager CD.

• Start Swap Manager by double-clicking on the Swap Manager icon. This will bring up the Swap Manager window.

• The Swap Manager window displays a list of all the drives attached to your computer. The window also lists information about each drive's SATA channel.

• Remember that while the window lists all drives for your computer, you can only swap drives attached to the secondary SATA channel.

• If possible always keep the Swap Manager open if you are planning to swap drives. It can be minimized, but it should not be closed.

• To remove a drive, bring up the Swap Manager window and click on the Swap Out button above the drive information. Wait a few seconds then remove the drive according to the instructions on page 5 or according to instructions provided by the drive manufacturer. Click on the Swap All In button to refresh the Swap Manager information. The drive information should now be removed from the Swap Manager.

• To add a drive, add your drive according to the instructions on page 5 or according to instructions provided by your drive manufacturer. Bring up the Swap Manager window and click on the Swap All In button to refresh the Swap Manager. It may take a few seconds to properly register all the new information. You should now see your new drive listed in the Swap Manager.

Troubleshooting Swap Manager

If you have installed a new drive but there is no new icon listed in Swap Manager, first make sure that you have clicked the Swap In icon to let Swap Manager know that there is a new drive. If that does not work, check the following:

• Make sure that the hardware is properly installed and that all cables are properly connected and firmly seated.

• Make sure that the drive bay is connected to the secondary SATA channel. The primary SATA channel is not accessed by Swap Manager.

• Make sure that the drive caddy is firmly seated in the bay and that the bay has been locked. If the bay is not locked, no power will be supplied to the drive and Swap Manager will not detect it.

Monitoring Your Hard Disk Drive and Drawer

The status LED is located on the right side of the drive drawer. It is your best indication of the hard drive's status, and is lit when the drawer is successfully inserted and locked into the caddy.

NOTE: It is recommended that you avoid removing a drawer during hard disk activity, as doing so could damage the drive and/or data.

Technical Support

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