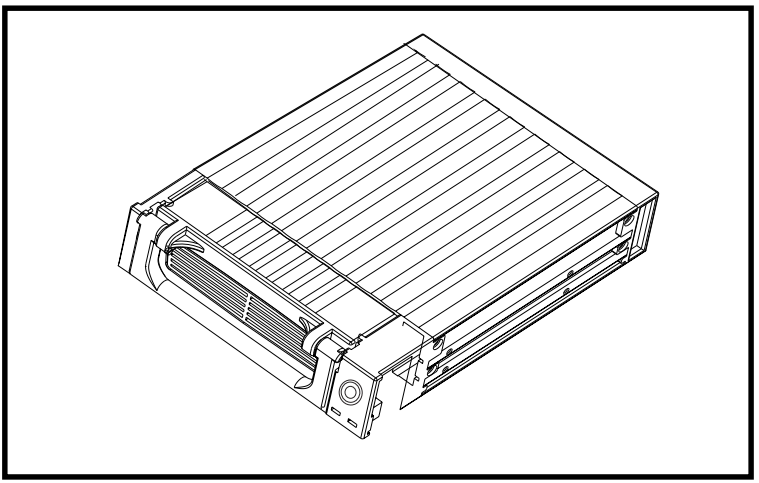
EZ·SWAP 2

REMOVABLE HARD DRIVE RACK

Serial ATA to Serial ATA



Model**: MRK-300ST-BK**

VANTEC

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3-1 Introduction

The EZ-Swap 2 Serial ATA version is as convenient as mobile racks get. The EZ-Swap 2 SATA features the ability to directly connect your SATA hard drive without going through any additional circuits. Simply place the hard drive inside the cartridge, screw it in place, and your done. The EZ-Swap 2 SATA also features keyed lock protection to prevent removal while in use. Since it uses SATA technology, the EZ-Swap 2 SATA is also hot swappable. Easy, convenient, and reliable, the EZ-Swap 2 SATA is the ideal SATA mobile rack.

EZ-Swap 2 SATA Features

- Aluminum case design aides in heat dissipation
- Built-in fan circulates and exhausts high heat generated by high-speed drives to maintain a safe operating temperature environment
- Support Serial ATA hard drives
- Hot swappable - change hard drives without shutting your system off
- Supports RAID configurations
- Drive bay module for mounting a 3.5-inch hard disk in a 5.25 inch drive bay
- Convenient pull-out handle
- Safety lock feature
- LED indicators for power and drive activity
- Dimensions: 8.4" (D) x 5.8" (W) x 1.6" (H)

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Unpacking Your Mobile Rack

Before installing the Mobile Rack, verify that the following items are included in the carton. If any parts are damaged or missing, please contact your local dealer or sales representative immediately.

1.One Mobile Rack Removable Docking Module
2.Twelve (12) mounting screws
3.2 keys
4.One user's guide

SATA Basics

Serial ATA (SATA) is the latest interface standard used for hard drives, optical drives (CD/DVD Rom drives), and other computer devices. Because it uses serial technology, information is transferred in a single stream, rather than along parallel paths. SATA thereby eliminates the restrictions on performance, reliability, and scalability that are inherent in standard IDE (parallel ATA) interfaces. SATA offers the speed and reliability formerly only found on SCSI (Small Computer System Interface) without the high costs and maintenance. SATA allows for RAID (Redundant Array of Inexpensive Disks) systems and the ability to add or remove devices without requiring the system to be powered down first.

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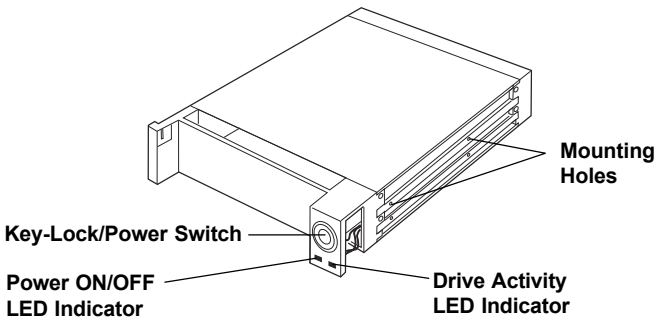
3-2 Hardware Installation

The Aluminum Mobile Rack Docking Module is designed to install in any PC/AT or Pentium-class computer that has an available 5.25-inch half-height drive bay. General instructions for installing the Mobile Rack are given since the design of computer cases varies. Refer to your computer's manual whenever in doubt.

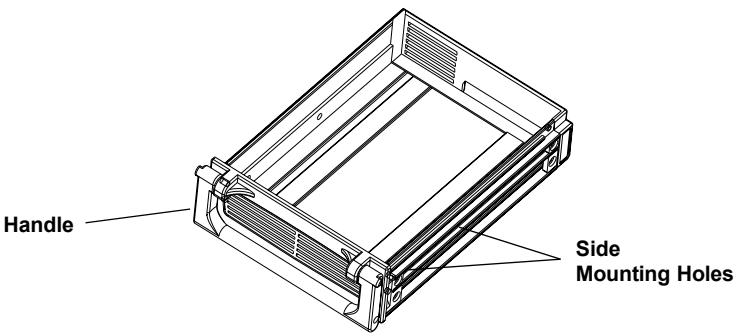
Mobile Rack Components

The Mobile Rack is comprised of two components:

Docking Case
Drive Case



EZ-Swap 2 Mobile Rack Drive Caddy



EZ-Swap 2 Mobile Rack Drive Case (with cover removed)

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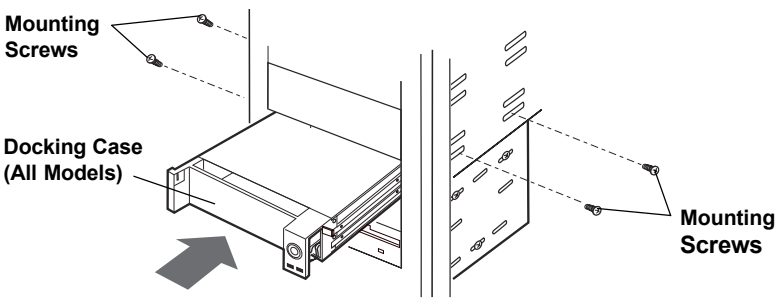
Installing the Mobile Rack Docking Case

1. Turn OFF the power to your computer and any other connected peripheral devices. Follow the precautions for static electricity discharge:
   - Discharge any static electricity build up in your body by touching a grounded metal surface such as the computer case, if plugged in.
   - During installation procedures, avoid any contact with internal parts.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the computer's front cover plate from the 5.25-inch drive bay you plan to install your Mobile Rack into.
5. Remove (separate) the Mobile Rack drive case from the docking case by lifting the handle and pulling it out.
6. Slide the docking case into the 5.25-inch drive bay.



Install the Mobile Rack Docking Case into the Drive Bay

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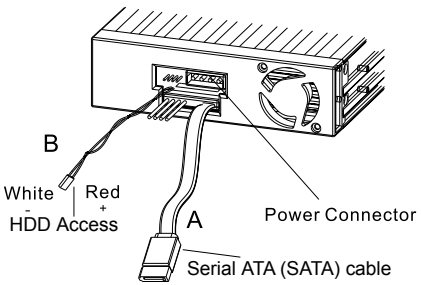
7. Position the docking case so its mounting holes align with the drive bay's mounting holes. Secure with the supplied mounting screws (two/four on each side.)

8. Attach the red SATA cable from the back of the unit to an available SATA port on the system board or anySATA controller card. Connect the red and white HDD Access/Activity signal cable to the HDD signal pins on your system board.

9. Connect an available 4-pin power cable from the system's power supply to the 4-pin connector on the back of the docking case. The power connector is 'D' shaped to ensure proper orientation when making the connection.



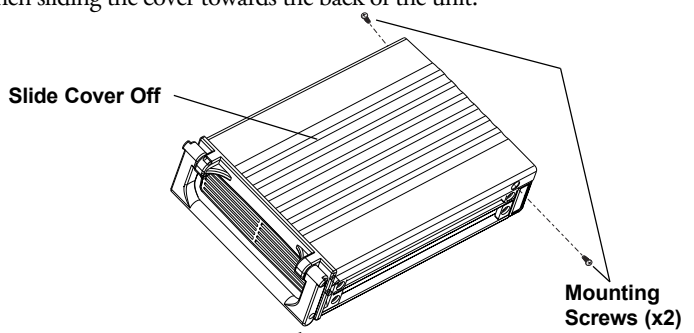
Docking Module Data Cable and Power Connectors

10. Replace the computer's cover and reconnect the power and other external cabling.

Mounting a Drive in the Drive Case

Proceed with the following steps to install a 3.5-inch drive device in the Mobile Rack drive case.

1.Remove the Mobile Rack drive case cover by removing the two mounting screws, then sliding the cover towards the back of the unit.



Remove the Drive Case Cover

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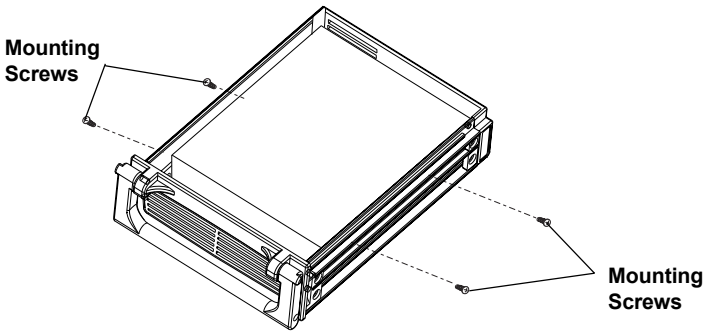
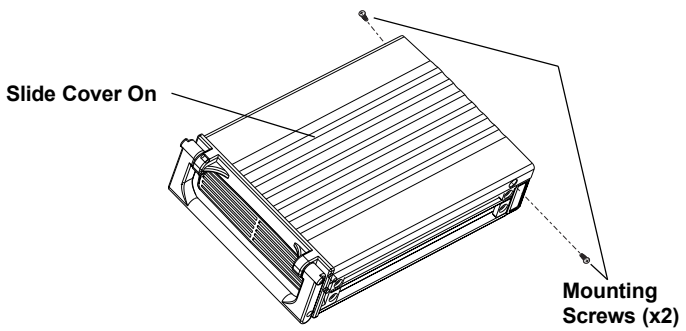
2. Carefully position the drive inside the drive case.

3. Secure the drive in place using the supplied mounting screws. Use the mounting holes on the sides or bottom, depending on the design of the drive.



Install the Drive in Drive Case

4. Slide the drive case cover back on and secure with the two mounting screws.



Mobile Rack Drive Case Ready for Use

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3-3 Using the Mobile Rack

WARNING

- DO NOT remove the drive case while the drive is working. Damage to data may result.
- The Key-Lock must be in the Lock position while in use.

To insert the Mobile Rack drive case:

1. Insert the Mobile Rack drive case (with drive installed) into the installed Mobile Rack docking case and push firmly until the drive is seated.
2. Insert the key and turn it ***right*** to lock. The LED on the Mobile Rack should light after a slight delay. The installed Mobile Rack device is ready to use.

To remove the Mobile Rack drive case:

1. Insert the key and turn it ***left*** to unlock. Note that the power LED on the Mobile Rack should now be OFF.
2. Gently pull on the Mobile Rack handle to slide the drive case out.

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3-4 Troubleshooting

Q. I installed the EZ-Swap 2 but my computer does not detect the hard drive in it.
A. Be sure to turn on the EZ-Swap 2 by setting the Key-Lock in the Lock position. The EZ-Swap 2 will not turn on unless it is locked. If you are using a brand new drive, make sure you initialize, partition and format the drive before trying to use it. This can be done using the software that comes with the HARD DRIVE or by using Windows' Disk Management utility.

Q. The data on my hard drive is corrupt!
A. Connecting your hard drive to the EZ-Swap 2 is just like connecting a your hard drive to the inside of your computer. The EZ-Swap 2 itself will not corrupt your data. If your data has become corrupt, it is likely caused by removal of the EZ-Swap 2 cartridge while data was still being written to the hard drive.
NEVER REMOVE THE EZ-SWAP 2 CARTRIDGE WHILE DATA IS BEING WRITTEN TO THE HARD DRIVE. Doing may cause the hard drive to become corrupt. Make sure all applications being run off the disk and all files in use are no longer in use before removing the disk. To be safe, it would be best to shut down your system before removing the cartridge.

For more help, please visit www.vantecusa.com and check the TECH SUPPORT section.

3-5 Warranty

The EZ-Swap 2 comes with a 3 year limited warranty (90 day parts). If your unit should become defective within that time frame, please go to www.vantecusa.com for information on how to receive warranty replacement. Cosmetic defects and missing parts are not covered under this warranty. Please check the contents of the unit to make sure you received all parts. Also, check for any cosmetic flaws. If any parts are missing or if there are cosmetic defects, please contact the retailer from which you purchased the unit and ask for a replacement.

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