

Speedzter2.5

***Firewire & USB
Dual interface
HD External Enclosure***

Installation Manual

Introduction

Thank you for purchasing our Speedzter2.5

This high-quality dual interfaces HDD enclosure provides you with many unique benefits, including, portability, additional data storage, the ability to move large amounts of data between non-networked computers, backup and safe storage of critically important data.

With dual interfaces FireWire/ IEEE 1394/iLink & USB, compact and ultra-light weight our Speedzter2.5 is must have device for portable capability.

The enclosure is designed for adapting a 2.5 HD (NoteBook) Hard Drive with thickness upto 12.5mm or 0.5 inwith one-chip solution providing suitable interfacing for both PC and Mac users.

This product has three interface types;

- 4 pin IEEE1394 (Firewire - i-link)
- 6 pin IEEE1394 (Firewire - i-link) - Bus powered
- USB 1.1

Note: The 6 pin IEEE1394 (Firewire) interface is capable of acquiring its power source from the bus power system of the host computer.

The benefit of having both interfaces FireWire & USB on the one HDD Enclosure is that you can quickly and easily connect to any computer (PC or Mac), provided it is equipped with one or the other of these interfaces.

Our Speedzter2.5 HDD enclosure will provide you with an easy, attractive and functional means of storage, transportation and security for all your important data.

Table of Contents

Safety Precautions

Feature

Restriction and important message

Specification

System Requirements

HDD Confirmation

Inspection of enclosed items

The Main Case parts list

Preparation for HDD installation

HDD installation procedure

Safety precautions

Please read through the “Safety Precautions” before using your 2.5 HDD Enclosure. After reading, please refer to them whenever necessary.

The safety precautions are provided for your benefit to use your Enclosure properly, protect you and those around you, and avoid damages to the properties. The following shows the safety symbols and their meanings.

We shall not be liable for any damages of you or the third party due to improper use of this product, a failure caused during use, or any other nonconformity. Improper or negligent use of this product will void your warranty.

!!! Danger !!!

This symbol denotes that improper handling poses a high risk of causing death or serious injury.

1. SMOKE, ODORS, UNUSUAL SOUNDS

If Smoke, odors, unusual sounds should be noticed, unplug the power plug from the outlet. It may cause fire.

2. DISASSEMBLING / MODIFICATION OF THE ENCLOSURE

Do not disassemble or modify the enclosure; Electric shock or fire may result. For repair, consult the store, where you bought the products.

3 EXPOSING THE ENCLOSURE TO LIQUIDS

If water or other type of liquids get into or get over the enclosure, unplug the power cord from the outlet immediately.

4. VOLANTALY HITTING OR SHOCKS

Never hit the enclosure with objects of any kind, and try to avoid any shocks. Do not drop it off or give it impact to the enclosure; as these may short out parts that could result in damage, burst or fire to the products. Careful handling is required.

5. CHOSE STABLE PLACE

Chose stable place to use the enclosure as possible as you can. Refrain to set it up unstable desk or inclined surface. Malfunction or damage may result from dropping.

6. TRETMENT OF POWER CORD

Do not damage, modify, forcedly bend, twist, pull, expose to heat, or place heavy objects on. Electric shock, short circuit, or fire may result.

Do not use the damaged power cord.

Be sure to hold the plug unit when plugging into or unplugging from the power outlet. If you pull the cord, it may be damaged, resulting in a fire or electric shock

For repair of the cord and plug, consult the store, where you bought the product.

7. LIGHTNING / THUNDERSTORM

When thunders grow, unplug the power cord from the outlet. It may catch fire, cause electric shock and failure of the electronic devices.

8. WET HANDS

Handling the power cord with wet hands is dangerous. Do not touch the power cord-end with wet hands. Electric shock may result.

9. INSERTING OBJECTS INTO THE OUTLETS

Do not insert any metallic materials rather than appropriate materials into an adapter outlet and interface outlets located in the backside of the enclosure.

!!! Attention !!!

This symbol denotes that improper handling poses a risk of causing injury or damage to the product or property.

1. RESTRICTED PLACES OF THE ENCLOSURE USE

Do not place or use the enclosure in humid, wet, and moisture-conditioned place such as kitchen or bathroom where are poor-ventilated area. It may cause you electric shocks.

Do not let the enclosure wet or place it in the high humidity.

Refrain to use the enclosure at the poolside and stay away from splashes. It may cause you electric shocks.

Refrain to use the enclosure at the beach. It may cause you electric shocks. Damage may result by sea sand.

Do not put or use the enclosure in a dusty place or area. Damage may result from dust.

Do not use the enclosure in extremely high or low temperatures condition or in a place exposed to direct sunlight.

Do not use the enclosure nearby a fireplace, iron, steam heater and other heating apparatus.

2. LONG-TERM ABSENCE OF USE

If you do not use the enclosure for a long time unplug the power cord from the outlet.

3. CARRYING THE ENCLOSURE

When you carry the enclosure, unplug and take off all power supplies and cable cords from the enclosure. Carrying with the plugging enclosure causes the cord to damage. Electric shock or short circuit may arise from mistreatment. Malfunction or damage of the enclosure results from using inferior cable cords or power supplies.

4. CLEANING.

Keep the enclosure clean. If the terminals become dirty, try to clean it with dry cloth as possible as you can with dry cloth. When cleaning, wipe with dry and soft cloth. Do not use alcohol, thinner, or benzene, as these solvents may discolor the body or remove the body paint.

5. CHILDREN

Do not Place the enclosure within the reach of children.

Feature

- IEEE1394 (Firewire) / USB 1.1
- HotPlugging Function
- Easy partition by USB
- Compatible for PC compatibles and Macintosh
- IEEE1394 (Firewire) 6 pin – Bus power feature

(Performance will be affected by regional or situational conditions. If it is necessary, use the enclosed AC adapter)

Restriction & Important message

The star-up feature for your computer OS may not functioned by the enclosure. Please check with your computer manufacture.

We shall not be liable for any damage, destroy, or delete of your datas or files due to improper use of this product, a failure caused during use, or any other nonconformity.

The enclosure is designed for commodity market only. Use of the enclosure to special devices, which require the highest accurate rates, or involve emergency procedure for human life. Medical, Nuclear, and Aerospace apparatus included.

Put using the enclosure away from other electric devices such as TV, Audio, Radio, and house appliances. Poor performance will result from this situation.

The enclosure will perform between IEEE1394 (Firewire) and USB at each other time. It does not work for both at one time.

Switching between IEEE1394 (Firewire) and USB: Turn off the computer and plug in the desired cable to your computer and restart the computer. During switching interface, hot-plugging feature does not work.

This manual may revised without notice

** Please inform us if there is some discrepancy found in this manual.

Specification

Product's Feature	:	Dual interface FW&USB external 2.5" HDD Enclosure
Product's Name	:	Speedzter2.5
Interface	:	IEEE1394 (Firewire) /USB 1.1
IEEE1394(F/W) Connectors	:	1 x 6pin, 1 x 4pin
USB Connector	:	receptacle B Type
Physical Dimensions (WxHxD)	:	83 mm x 28mm 150mm (3.3"x1.1"x 6")
Weight	:	140g (5 ounce)
Power Specification	:	100~240W
Power Consumption	:	5V @ 600mA

System Requirements

IEEE 1394 (Firewire)

-- Windows

Windows 98SE, Windows 2000, Windows ME
Pentium 233MHZ
64MB Main Memory
IEEE1394 interface Compatible model

-- Macintosh

MacOS 9.0.04, MacOS 9.1
Power Macintosh G3 (IEEE1394 Interface model)
iMac (IEEE1394 Interface model)
iBook (IEEE1394 Interface Model)
Power Macintosh G4 / G4Cube, Power Book G4

USB 1.1

-- Windows 98, Windows 98SE, Windows 2000, Windows ME
Pentium 233MHZ
64MB Main Memory
USB interface Compatible model

-- Macintosh

MacOS 8.6, MacOS 9.0.2, MacOS 9.0.04, MacOS 9.1
Power Macintosh G3 (USB Interface model)
iMac ,
iBook

Windows

IEEE1394 the star-up feature of your computer OS may not functioned correctly by our Speedzter2.5 enclosure.

HDD Confirmation

IBM (Series) DARA, DADA, DTNA, DBCA, DCXA, DTCA, DDLA, DYKA

HITACHI DK237A-32, DK227A-41, DK226A-21U

TOSHIBA MK4309MAT, MK2105MAT, MK2103MAV, MK6412MAT

Due to many HD manufactures, therefore we can not confirmed all the drive models, but most likely any 2.5 (NoteBook) HDD will work with our Speedzter2.5.

Inspection of the enclosed items

Check the all enclosed items, if you find a missing part or observe shipping damage, do not install the adapter without approval. Report all observed damage or missing items immediately to the store or company whom you bought this from.

	Speedzter2.5	1
	AC Adapter Input100~240VAC 0.3A 50~60Hz / Output 5VDC 1.4A	1
	USB Cable (Option)	1
	IEEE1394 Cable, 6pin only (4pin cable is not included)	1
	Operational driver – CDROM (or can be download at www.DATOptic.com)	1
	Installation and Operational Manual	1
	Serial number adhesive seal	1
	Screws Small (for HDD)	2
	Screws Small (for enclosure)	3

Preparation for HDD installation and Check List

- | Unplug the AC adapter and turn off the main switch until you complete HDD installation to avoid any unwanted accidents or/and electric shock. It may also cause the product to damage.
- | Put extra attention for static charges, which causes the product to damage. Using anti-static belts or mattresses is definitely helpful for reducing static charges. Touching metal products right before HDD installation may be another alternative to reduce static charges.

<Check List>

- | Product Kit
- | A 2.5 inch hard drive with thickness less 12.5mm
- | Philips screwdriver
- | 5 screws for installation
- | This manual

[HDD Installation Procedure]

1. <Un-Assembling>
 - Discharge yourself. To avoid EDS - electro-static discharge



- Flip the enclosure bottom up, using philips screw driver removing 3 screws
 - Flip over and remove the top cover.
 - Remove the main board out of the case by lift it up slightly and slide it back.
2. <Setting your favorite HDD on the board>
 - Make sure your HDD jumper is set for Master or Device0, reset HDD jumper if necessary
 - Put your HDD on the main board, make sure pin 1 & 2 of Speedzter2.5 and mainboard is correct match.
 - Slide your HDD toward the connector make sure entire HDD connector had been connected carefully all the way plug-in.
 - Flip mainboard and HDD up-side down.

Do not enforce to tight them together more than enough. Too much screwing cause the board damage or crack

- Using supplied screws tight HDD to mainboard.
4. <Fasten the main board and the enclosure body>.
 - Slide the new assembled (mainboard and HDD) face-up into bottom enclosure.
 - Guide the main switch (projection part) through the niche at the **bottom-front enclosure body**, then full board can be set down.
 5. <Complete Assembling>
 - Cover the top enclosure.
 - Flip the speedzter25 up-side down
 - Tighten 3 screws at the bottom of enclosure.

Congradulation ! You just made yourself a portable FW and USB pocket side HDD.

Driver Installation

IEEE1394 (FireWire) installation for WINDOWS

Step 1: Set the enclosure kit up to your computer, and then install the driver

- 1 Make sure your computer is ON
- 2 Plug in AC Adapter to the enclosure, if needed
- 3 Connect your Speedzter25 to your computer with the appropriate FireWire
*** please note: Only 6 pins FW can be use for self powered.
- 4 Turn the enclosure's power on byt the switch and then turn the computer's power on.
- 5 Windows OS (see the "System Requirements") will automatically start installing the requiered driver for the enclosure.

Insert Window CD-ROM if being ask for.

Note: for Win89SE, please down load and install the FireWire Update drivers at:

<http://www.microsoft.com>, or

<http://www.datoptic.com/1394Win98.zip>

Step 2: Partitioning & Formatting process

Win2K and XP

- 1 Right click at My computer, go to Manager, this will open the Computer Manager Window
- 2 In Computer Management left panel, double click Disk Management (under Storage Folder), this should open a Disk Management Window on the right panel.
- 3 Scroll down if necessary to locate an Unformat or Unknown HD
- 4 Right click on the word Unknown, select Write Signature, click OK
- 5 Right click on the longer bar, select create partitio, then NEXT
- 6 Select Primary partition, click on NEXT, Then, NEXT, NEXT
- 7 Select Perform a Quick Format, and Format method: NTSF or FAT32. then click NEXT.
- 8 Review the New HDD set-up, click Finisih Button
- 9 Wait for formattring procedure finished.

Congradulation ! Your Speedzter is ready to use.

Win98SE, ME.

1 Click on Start then Program --> Accessories -> MS-DOS Prompt, see fig 1

2 Type FDISK on the line of C: /WINDOWS and press ENTER

3 Type "Y" to use large disk and press ENTER

4 Press "5" to change current fixed disk drive" on the FDISK main menu and press ENTER

5 Type or chose the appropriate number represent for your Speedzter2.5 HDD, press ENTER

6 Press 1 to select "Create DOS partition or logical DOS drive", press Enter

7 Press 1 to select "Create primary DOS partition", press Enter.

8 Type "Y" at the message "Do you wish to use the maximum available size for a primary DOS partition ?", press ENTER

***further information of the partition at this area, please check your Windows manual. We do not support further partition procedure.

9 After confirming "Primary DOS partition created, drive letters changed or added" hit the ESC three times to get back to the "C: /WINDOWS " screen.

10 Type EXIT, press ENTER to finish MS-DOS prompt.

11 After going back to the normal Windows screen; then Restart your computer.

12 After ReStart, you new Speedzter2.5 drive should be added.

***Attention: you are still unalbe to use the driver unlessee processing one more task.

13 Open "My Computer" right click at drive just added. Select FORMAT (M) Option

14 Select Format type "Quick", enter a name for your Speedzter25 drive, click "Start"

15 Click OK after formating finished. close all windows

NOW your New Speedzter2.5 ready to use.

