Addonics
T E C H N O L O G I E S

External USB2.0/Firewire Enclosure
Model: AE5IDECSUF, AE5SACSUF

Users Guide
Revision 1.0

FCC Warning 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. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try and correct the interference by one or more of the following suggestions.

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver
- Connect the equipment to a different power outlet other than the one where receiver is connected
- Consult a certified television or radio technician

Features:

1. Aluminum, Sliding tray design for CD-ROM, CD-RW, DVD-R/RW and HDD
2. Solid portable and easy installation
3. Stereo earphone
4. Supports plug and play
5. Cooling fan for air ventilation and heat sink
6. No need of side bracket for mounting HDD

Picture A
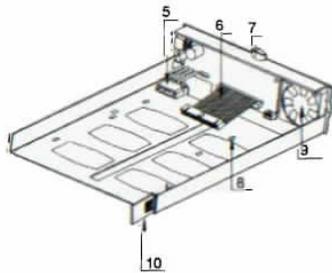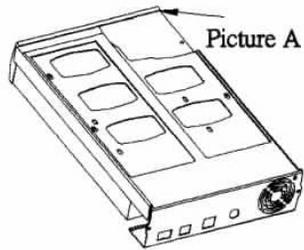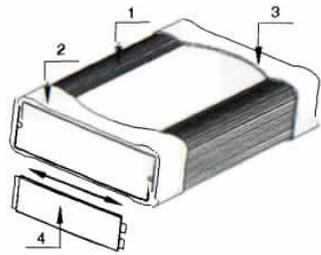
| 1. Aluminum body | 2. Front cover | 3. Rear cover |
| 4. Front panel | 5. 5V/12V Power | 6. IDE data cable |

Installation:

1. Loosen the two screws from the rear plate. (Note: the two screws are special ones, you do not have to loosen them completely to slide out the tray).
2. Press the front panel and push it left/right forward to open the front panel. The device has to be even with the metal part of the bracket.
3. Connect the 4pin power and the data cable to the drive.
4. Use the enclosed screws to secure the drive on the tray.
5. After the device is installed, slide the tray into the aluminum box and then fasten the two screws properly on the box.

Connecting the drive to a Computer:

1. Boot-up your computer into the operating system; make sure the USB2.0/Firewire port from the computer functions well.
2. Connect the power adapter to the drive and the USB or Firewire cable then turn on the switch.
3. Connect the other USB or Firewire connector end to the computer.
4. Your USB2.0 or Firewire drive is now ready to be use.
5. Follow the software installation for driver installation.

How to connection
USB Port
1394 Port (firewire)
AC Input
Connect to USB or Firewire
DC 12V Output
Note : DC 12V
Picture B
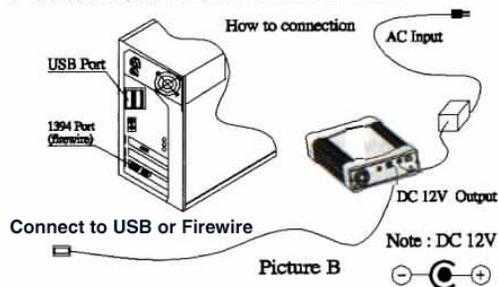
Power specs:
Input :100-240V/AC, 0.6A   Output: 12V/DC, 1.7A
LED indication:
A) Power on: Green   B) Access: Orange(blinking)

Rear View

USB2.0

A F   E D B C A

COMBO
(USB2.0+1394)

G   D
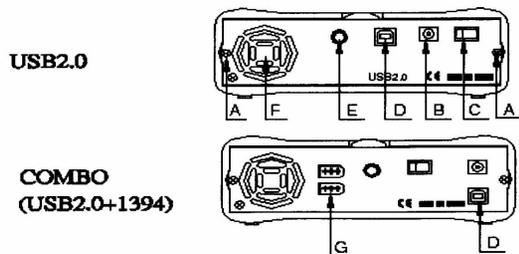
A. Screw   B. DC Power Jack   C. Power switch
D. USB Port   E. Audio output   F. FAN   G. 1394 Port

Windows98, SE

When you plug your device into the USB2.0 or Firewire controller, the OS should determine a new device has been plugged in and will bring up the new hardware wizard window. From here you will need to specify the location of the driver and then browse to the location where you have the drivers saved.

If the drivers are in a floppy diskette, you will need to point the wizard to the floppy drive to locate and install the driver. Once the driver is loaded, there should now be a new CD_ROM icon under My Computer if an ATAPI device is installed. If you installed a hard drive that has already been partitioned, then you will see a new hard drive icon instead. If you installed a hard drive that has not been partitioned, e.g., a brand new hard drive, you will not see a new icon. In this case, you must partition and format the drive as described below before you will be able to see the new hard drive icon and be able to access the drive."

Note: brand new harddrives must be partitioned and formatted first.

- Ø Firewire connection requires Windows 98SE or higher.
- Ø No drivers required for Firewire Connection, Drivers are built-in on the operating system.
- Ø Only USB2.0 connection requires driver under Windows 98.

Windows Me, 2000 or XP
The external USB2.0/Firewire drive is plug and play under these operating systems. Drivers are built in on the OS. USB mass storage driver from the system files loads automatically for the USB connection.

NOTE: Install and run your software to support the Optical drives installed in the External USB2.0/Firewire case. Check with the manufacturer for more info.

(CD-ROM, DVD-ROM, CDRW, DVD/CDRW, DVD-/+RW are classified as ATAPI storage devices)

How to Partition the Hard Disk under Windows 98,SE

Windows comes with a built-in utility called fdisk. This program is used to partition a large hard drive into smaller virtual drives. One advantage of having two smaller virtual drives is the decreased downtime while running applications such as ScanDisk or Defrag.

To use fdisk to partition a hard drive, follow these directions:

1. To open fdisk, left-click the Start menu, select Run or Hold, and release the Windows button + R.

2. At the command line, type "fdisk" (without quotes) and hit Enter.

3. When fdisk opens you'll be asked if you'd like to enable large disk support. "Y" should already be selected. Hit Enter.

4. Next, you need to set the current fixed disk drive to equal your newly installed hard drive. To do this, select 5 from the list and press Enter.

5. Find the number next to your new drive, type it into Enter Fixed Disk Drive Number, and hit Enter. (In most cases, if you just added a second hard drive, the number from the list will equal 2. Before you proceed, double-check that the current fixed hard drive is equal to the new hard drive you just installed. If it is, you should see any number other than 1 next to Current Fixed Drive.)

6. This will take you back to the beginning screen.

7. From here, select 1 to "Create DOS Partition or Logical DOS Drive" and hit Enter.

8. Select 1 to "Create Primary DOS Partition" and hit Enter.

9. Your computer will begin to verify the new drive's integrity. This process will only take few minutes to complete.

10. The next screen to appear will ask, "Do you wish to use the maximum available size for a Primary DOS partition?" Press Y if you only want to create one partition or N if you'd like to create multiple partitions on the drive. Then hit Enter.

Create one partition

1. If you pressed Y, the computer will create the partition and then transfer you back to the beginning screen. From here, select 4 to inspect to new hard drive's partition.

Create multiple partitions

1. If you pressed N, then you're going to create multiple partitions. To do this, you'll need to set the size of the new partition. This is done by entering a value next to "Enter partition size in Mbytes or percent of disk space to create a Primary DOS Partition."

   For example, if your new hard drive is 20GB and you'd like to create two 10GB drives, entering 50% will do just fine. To enter a number in Mbytes, take the total number in Mbytes and divide it in half to get the correct number to input. To make things easier, just use a percentage of the total hard drive and let your computer do the math for you.

2. When you've finished entering the size of the new partition, hit Enter to create it.

3. Press Esc to return to the new drives main menu.

4. From here, select 1 to "Create DOS Partition or Logical DOS Drive."

5. Now it's time to create the extended partition. To do this, select 2 from the menu and hit Enter.

6. A screen that says, "Enter partition size in Mbytes or percent of disk space to create an Extended DOS Partition" will appear. You should notice that the computer did the math for you and filled in the remaining hard drive space to be partitioned. If this number is OK, press Enter to complete the process. If it's not, and you plan on creating additional partitions, lower the number accordingly and then press Enter.

7. After fdisk creates the partition, press Esc to return to the new hard drive's main menu.

8. Before the new extended partition will work, it needs to have a Logical DOS Drive created on it. To do this, select 1 on the list to "Create DOS Partition or Logical DOS Drive."

9. Select 3 from the list to "Create Logical DOS Drive(s) in the Extended DOS Partition" and hit Enter.

10. Your computer will then verify drive integrity and automatically deliver the size of the extended drive. You should see a number next to "Enter logical drive size in Mbytes or percentage of drive." This number should equal the size of the extended drive you created earlier.

11. Press Enter to "Create Logical DOS Drive(s) in the Extended DOS Partition."

12. After hitting Enter, you'll see a new letter assigned to the new partition you just created.

13. Press Esc to exit this screen and return to main menu.

How many partitions do you have?

1. To verify the two new partitions were created successfully, select 5 to "Change current fixed disk drive" and hit Enter.

2. You should see all the drives on your computer, including the two you just created.

3. Hit Esc twice to exit fdisk.

4. You must restart your computer before the new partitions will be recognized.

How to Format a Hard Disk

IMPORTANT: If you use the following steps on a hard disk that is not empty, all of the data on that hard disk is permanently deleted.

1. After the partition there should now be a new drive letter under My Computer.
2. Right click on the drive letter and left click Format. A new window will show up. Select the Full Format option then click Start to continue.
3. When the Format is complete, you can now access the drive letter assigned for the hard drive.

How to Create a New Partition or Logical Drive under Windows2000 or Xp

1. In the Disk Management window, do one of the following:

   o To create a new partition, right-click unallocated space on the basic disk where you want to create the partition, and then click **New Partition**.

   -Or-

   o To create a new logical drive, right-click free space on an extended partition where you want to create the logical drive, and then click **New Logical Drive**.

2. On the **Welcome to the New Partition Wizard** page, click **Next**.

3. On the **Select Partition Type** page, click the type of partition that you want to create, and then click **Next**.

4. On the **Specify Partition Size** page, specify the size in megabytes (MB) of the partition that you want to create, and then click **Next**.

5. On the **Assign Drive Letter or Path** page, enter a drive letter or drive path, and then click **Next**.

6. On the **Format Partition** page, specify the formatting options that you want, and then click **Next**.

7. On the **Completing the New Partition Wizard** page, verify that the options that you selected are correct, and then click **Finish**.

   Format a Partition or Logical Drive

1. In the Disk Management window, right-click the partition or logical drive that you want to format, and then click **Format**.

2. Specify the formatting options that you want, and then click **OK**.

3. Click **OK** when you are prompted to confirm the formatting changes.

For more info visit www.microsoft.com

Visit http://www.addonics.com/support/faqs/windows_OS_installation.asp for USB DOS driver installation.

Technical Support

If you need assistance to get your unit functioning properly, please call
Addonics Technical Support. Our technical staff will be happy to assist you,
but they will need your help to do so. Calling the technical support staff
without all the proper information can be both time consuming and frustrating.
Here are some tips to help you out:

(1)   MODEL NUMBER – Please have this number on hand.
(2)   SYSTEM INFORMATION – Type of computer, peripherals, etc.
(3)   OPERATING SYSTEM – What version of Windows?
(4)   WHAT'S THE TROUBLE? – Give enough information
              About your problem so that we can recreate and diagnose it.

**FREE Software Drivers for all Addonics Technologies
Products are available 24 hours per day at the
World Wide Web Site: www.addonics.com.**

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**Please use our on-line registration card for your
Warranty registration.
Our web site is www.addonics.com**