

# 1394b CardBus PC Card

## Quick Installation Guide

### 1. Introduction

This 1394b (FireWire 800) CardBus PC Card provides dual 1394b and one 1394a (FireWire) ports to your notebook computer for various kinds of 1394b and 1394a device connections.

#### **1-1 Features and Benefits**

- Fully supports IEEE P1394b and backwards supports 1394a-2000 as well as 1394-1995 standards
- Compliant with 32-bit PCMCIA CardBus type II specification
- Supports data transfer rates up to 800Mbps
- Provides 3 external ports for connecting up to 63 1394a and 1394b devices
- Optional switching power adapter (DC 12V output) provides sufficient bus power for 1394b/1394a device operations
- Hot-swapping feature allows you to connect/detach devices without first turning off system
- Works with various types of 1394b (FireWire 800) and 1394a (FireWire) devices including hard disks, DV camcorders, digital cameras, CD-RW/DVD-ROM drives and other audio/video devices

## 1-2 System Requirements

- Pentium-class portable computer with one available 32-bit CardBus Type II slot
- Windows 2000/XP/Server 2003/Vista

## 2. Installation

### 2-1 Hardware Installation

General instructions for installing the CardBus adapter are given since the location of the CardBus Type II slot may vary between different portable computers.

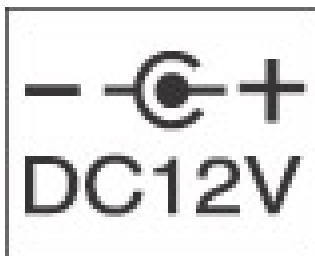
1. Insert the PC Card into an available CardBus Type II slot with the arrow orientation pointing towards the slot.
2. Hardware installation is complete. Please proceed to the next section for software installation.

#### **Note:**

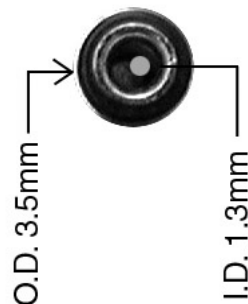
#### **Specification of switching power adapter:**

**Input:** AC 100-240V, 50/60Hz, 1.0A(Max.)

**Output:** DC 12V, 1.5 ~ 2.5A(Max.)



Polarity of DC plug



Dimension of DC plug



Length of DC plug

## 2-2 Software Installations

### Windows 2000 Driver Installation

Windows 2000 automatically installs its built-in 1394a driver.

To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Boots up your notebook computer, insert 1394b 3-Port CardBus into one available 32-bit CardBus Type II slot.
2. Insert the Driver-CD into your CD drive.
3. Click **Start, Run**. Type **E:\Setup.exe**, click **OK**.  
(Change E: to match the drive letter of your CD-ROM drive)
4. At the Welcome screen, click **Next**.
5. At the License Agreement screen, click **Yes**.
6. Type in your customer information, then click **Next**.
7. At the Destination Location screen, click **Next**.
8. Select **Complete**, then click **Next**.
9. At Program Folder screen, click **Next**.
10. At the Digital Signature screen, click **Yes** two times, then click **Finish**.
11. Select the restart Windows option, then click **Finish**.

## **Eject 1394b CardBus under Windows 2000**

1. Click the **Unplug or Eject Hardware** icon.  
Click **Stop IEEE 1394b (FireWire 800) adapter**.
2. Wait for the confirmation box, then remove the 1394b 3-Port CardBus.

## **Windows XP Driver Installation**

Windows XP automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Boots up your notebook computer, insert 1394b 3-Port CardBus into one available 32-bit CardBus Type II slot.
2. Insert the Driver-CD into your CD drive.
3. Click **Start, Run**. Type **E:\Setup.exe**, click **OK**.  
(Change E: to match the drive letter of your CD-ROM drive)
4. At the Welcome screen, click **Next**.
5. At the License Agreement screen, click **Yes**.
6. Type in your customer information, then click **Next**.
7. At the Destination Location screen, click **Next**.
8. Select **Complete**, then click **Next**.
9. At Program Folder screen, click **Next**.
10. At the New Hardware Installation screen,  
click **Continue Anyway** two times, then click **Finish**.
11. Select the restart Windows option, then click **Finish**.

## **Windows Server 2003 Driver Installation**

Windows Server 2003 automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Boots up your notebook computer, insert 1394b 3-Port CardBus into one available 32-bit CardBus Type II slot.
2. Insert the Driver-CD into your CD drive.
3. Click **Start, Run**. Type **E:\Setup.exe**, click **OK**.  
(Change E: to match the drive letter of your CD-ROM drive)
4. At the Welcome screen, click **Next**.
5. At the License Agreement screen, click **Yes**.
6. Type in your customer information, then click **Next**.
7. At the Destination Location screen, click **Next**.
8. Select **Complete**, then click **Next**.
9. At Program Folder screen, click **Next**.
10. At the Security Alert box, click **Yes**.
11. At the New Hardware Installation screen,  
click **Continue Anyway** two times, then click **Finish**.
12. Select the restart Windows option, then click **Finish**.

## **Windows Vista Driver Installation**

Windows Vista automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Boots up your notebook computer, insert 1394b 3-Port CardBus into one available 32-bit CardBus Type II slot.
2. Insert the driver CD. Click **Start, Run**. Type **E:\setup.exe**, click **OK**. (Change **E:** to match the drive letter of your CD-ROM drive)
3. Click **Allow**.
4. At the Welcome screen, click **Next**.
5. At the License Agreement screen, click **Yes**.
6. Type in your customer information, then click **Next**.
7. At the Destination Location screen, click **Next**.
8. Select **Complete**, then click **Next**.
9. At Program Folder screen, click **Next**.
10. At the Windows Security box, click **Install this driver software anyway** four times, then click **Finish**.
11. Select the restart Windows option, then click **Finish**.

## **Eject 1394b CardBus under Windows XP/Server 2003/Vista**

1. Click the **Unplug or Eject Hardware** icon. Click **Safely remove IEEE 1394b (FireWire 800) adapter**.
2. Wait for the confirmation box, then remove the 1394b 3-Port CardBus.

## 2-3 ubSwitch Utility

In order to use a DV camcorder with this controller, Microsoft's 1394a driver must be installed in the system. We have supplied an easy to use utility that allows switching between Microsoft's driver and 1394b driver.

**Before using this utility, unplug all devices from the 1394b 3-port CardBus.**

1. Click **Start, Programs, Unibrain ubCore, Tools** then **ubSwitch**.
2. Right click the **ubSwitch** icon located in the system tray by the clock.
3. Click the **1394a Adapter** that you want to switch, then click on **Microsoft 1394 Drivers**.

**Note:** If your system has multiple 1394 adapters installed, make sure that you click on the 1394 adapter that the camcorder will be plugged into.

4. Windows will display an information box when the driver is ready for use. It may take a few seconds for this box to appear.

**Note:** To switch back to the 1394b driver, follow the same procedures, but in step 3 instead of clicking on **Microsoft 1394 Driver**, click on **Unibrain 1394 Drivers**.

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