

CardBus USB 2.0 & FireWire

2 Port USB 2.0 and 2 Port FireWire Slot Saver CardBus Card

CB2U2F

Instruction Manual



Actual product may vary from photo

StarTech.com

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.

Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

Table of Contents

Introduction	1
Before You Begin	1
System Requirements	1
Contents	2
Installation	2
Windows (all versions)	2
MacOS X	3
Verifying Your Installation (Windows)	3
Installing and Using Your VideoStudio Software	4
Specifications	4
Troubleshooting	5
Safely Removing the CB2U2F	6
Technical Support	7
Warranty Information	7

Introduction

Thank you for purchasing a StarTech.com two port USB 2.0 and two port FireWire combo CardBus card. Now you can add two USB 2.0 ports and two IEEE-1394a FireWire ports to your laptop computer. The CB2U2F card allows you to easily connect and use high-performance USB and FireWire peripherals like portable hard drives, digital camcorders, scanners, CD-RW/DVD-ROMs, and more to your laptop computer. The card is also backwards-compatible with USB 1.0/1.1, meaning your less demanding peripherals will still function perfectly with no adjustments. The CB2U2F is a quick and easy way to expand your laptop's resources. With the easy plug and play installation and the ability to hot-swap your peripherals without having to reboot, this card is a perfect upgrade for your laptop.

Features

- Adds two FireWire IEEE-1394a and two USB 2.0 ports to your laptop computer
- Supports Plug and Play installation
- Hot swap capabilities allow you to add or remove USB 2.0 or IEEE-1394a FireWire devices without turning off your computer
- Backwards-compatible with USB 1.1 devices
- Comes with Ulead VideoStudio editing software
- Backed by StarTech.com's lifetime warranty

Before You Begin

System Requirements

- An IBM compatible notebook computer with an available CardBus slot
- Minimum Operating System Requirements: Windows 98SE/ME/2000/XP/2003, MacOS version X
- Minimum Processor Requirements:
 - Intel Pentium II (400MHz or faster)
 - Intel Pentium III or higher (any speed)
 - Intel Celeron (900 MHz or faster)
 - AMD Athlon (any speed)
 - Mac G3 processor (original, not an upgrade)

Contents

This package should contain:

- 1 x USB 2.0 and FireWire combo CardBus card
- 1 x Installation CD
- 1 x Ulead Video Studio CD
- 1 x FireWire cable (4 to 6 pin)
- 1 x Power adapter
- 1 x Instruction Manual

Installation

This section will guide you through the installation of your USB 2.0 and FireWire Slot Saver card and related software. Please read through the instructions carefully and complete each step in the order listed.

Driver Installation

If you lose your installation CD, the latest drivers can be downloaded from our website. Visit www.startech.com, click on the **Downloads** link and follow the instructions provided.

Since USB 2.0 is backwards-compatible with previous versions of USB, you may need to install the drivers for USB 1.1 as well. Depending on your operating system and the configuration of your laptop computer, the instructions below may not be identical to what you see on your screen.

Windows (all versions)

IMPORTANT: Do not insert the card into the CardBus slot until directed by these instructions.

1. Insert the installation CD into your laptop's CD-ROM or other optical drive. Open **My Computer** (found on the desktop or the **Start** menu). Right click the icon for the CD-ROM and choose **Explore** from the menu.
2. Double click the **setup.exe** file. The setup program will copy the necessary files to your hard drive. Follow any on-screen prompts until the process is complete. When finished, power off the laptop. If at any time you receive a warning that a driver is not digitally signed, choose **Continue Anyway** to continue with the installation.
3. With the power off, locate the CardBus slot on your laptop (usually located on the side). Remove any existing devices, if necessary.
4. Slide the card gently into the slot until it is snugly connected and attach the provided power adapter to the port on the side of the card. Connect the opposite end of the power cable to a wall outlet or other suitable power source.
5. Power on your notebook.

6. Once Windows loads, it will detect the new hardware and configure the card automatically.
7. Follow any on-screen prompts to complete the installation. If at any time you receive a warning that a driver is not digitally signed, choose **Continue Anyway** to continue with the installation.

MacOS X

IMPORTANT: Do not insert the card into the CardBus slot until directed by these instructions.

1. With the power off, locate the CardBus slot on your laptop (usually located on the side). Remove any existing devices, if necessary.
2. Slide the card gently into the slot until it is snugly connected and attach the provided power adapter to the port on the side of the card. Connect the opposite end of the power cable to a wall outlet or other suitable power source.
3. Power on your notebook.
4. Once MacOS loads, it will detect the new hardware and configure the card automatically.

NOTE: The power adapter must always be connected for proper device operation.

Verifying Your Installation (Windows)

Windows 98SE/ME

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab.
4. If the card does not appear with a red **x** or yellow exclamation point (!) next to it, Windows has not detected a problem with the installation and the card should function normally.

Windows 2000/XP

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab and choose **Device Manager**.
4. If the card does not appear with a red **x** or yellow exclamation point (!) next to it, Windows has not detected a problem with the installation and the card should function normally.

Installing and Using Your VideoStudio Software

For detailed instructions on the installation and use of the digital editing software, consult the Ulead VideoStudio manual available on the CD. From **My Computer** right click the icon for your CD-ROM or other optical drive and select **Explore**. Open the **Manual** folder and select your language. (Note: To view the manual, you will need Adobe Acrobat Reader, which is available as a free download from the Adobe Web site, www.adobe.com.) StarTech.com recommends carefully reading the instructions supplied by Ulead before attempting to install or use the software.

Specifications

Form Factor/Interface	CardBus, 32-bit (Type II)
Standards Supported	IEEE-1394/IEEE-1394A (FireWire 400) USB 2.0
Maximum Data Transfer Rate	400 Mbits/sec. (via FireWire ports) 480 Mbits/sec. (via USB 2.0 ports)
Connectors	FireWire 1 x 6-pin FireWire female 1 x 4-pin FireWire female USB 2.0 2 x 6-pin USB Type "A" female
Cables Included	1 x 6-pin to 4-pin FireWire cable
OS Support	Windows 98SE/ME/2000/XP/2003, MacOS X Fully Plug and Play compliant
Software Included	Ulead VideoStudio
Regulatory & Other Certifications	FCC Class B, CE, UL

Troubleshooting

Q: I am using a digital camcorder with a FireWire card, but I cannot capture a file larger than 3.99 GB. Is this a problem with the card?

A: No. The FAT32 file system used by Windows 98 and some installations of Windows 2000 and XP has a file size limit of 3.99 GB. If you are using Windows 2000 or XP, you can convert your FAT32 drive(s) to NTFS to eliminate this problem (see your documentation for details). If you are using Windows 98SE, you must either a) limit the size of your digital video capture files to no more than 4 GB, or b) upgrade your operating system to a product that uses NTFS (Windows 2000/XP/2003) or another file system that does not have a file size limit.

Q: I am using a SONY VAIO computer with an iLink cable but Ulead VideoStudio doesn't recognize my camcorder.

A: SONY VAIO computers have their own DV driver and work with SONY software only. Ulead offers a program which enables you to switch the SONY DV driver to the Microsoft DV driver, please download it from the following site:

<ftp://ftp.ulead.com/pub/Updates/VideoStudio4/Switch.exe>

Q: Frames are dropped when I capture from and export to my DV camcorder.

A: Please make sure that DMA (Direct Memory Access) is enabled if you are using IDE hard disks. DMA access is automatically enabled by default in Windows 2000 and XP. For Windows 98SE and ME, follow these steps:

1. Right click **My Computer** and choose **Properties** from the menu. Click the **Hardware** tab.
2. Click the plus (+) sign next to Disk Drives. Highlight your hard disk from the list, right click it, and choose **Properties**.
3. Click the Settings tab and check the **DMA** box. Click **OK** and restart the computer when prompted. If needed, repeat these steps for each installed hard disk.

Q: I am having problems with video quality (dropped frames, poor or no audio, signal noise, etc.) when capturing video from a digital video source over my FireWire card. How can I correct this?

A: Most problems associated with digital video capture can be minimized or eliminated by changing the configuration of the video capture software you are using. The default settings often need to be adjusted to reflect the capabilities of the computer and digital video source you are using. If you are using the Video Studio software included with your FireWire card, go to www.ulead.com for detailed support information for your software, including video quality problems and recommended configuration changes. For other video capture software visit the manufacturer's Web site for product support.

Safely Removing the CB2U2F

While the CB2U2F can be removed with the computer running and Windows started (a process commonly referred to as “hot-plugging”), Windows does offer a “safe removal” feature that ensures that the card is inactive before it is removed from the CardBus slot. It is strongly recommended that you follow this procedure when removing the card from a computer to avoid data loss or equipment damage.

To use the safe removal feature:

1. Locate the hardware ejection icon in the System Tray (next to the clock).



2. Left click the icon once to activate the device menu.

3. Highlight **OHCI Compliant IEEE 1394 Host Controller** from the list and click it once.



4. After a momentary pause, Windows will display a message informing you the card can be safely removed.

5. You can now physically remove the card from the slot.

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

About StarTech.com

StarTech.com is "The Professionals' Source for Hard-to-Find Computer Parts". Since 1985, we have been providing IT professionals with the quality products they need to complete their solutions. We offer an unmatched selection of computer parts, cables, server management solutions and A/V products and serve a worldwide market through our locations in the United States, Canada, the United Kingdom and Taiwan.