



FireWire 800  
ExpressCard Adapter

**DX-ECFW**

**USER GUIDE**

# FireWire 800 ExpressCard Adapter

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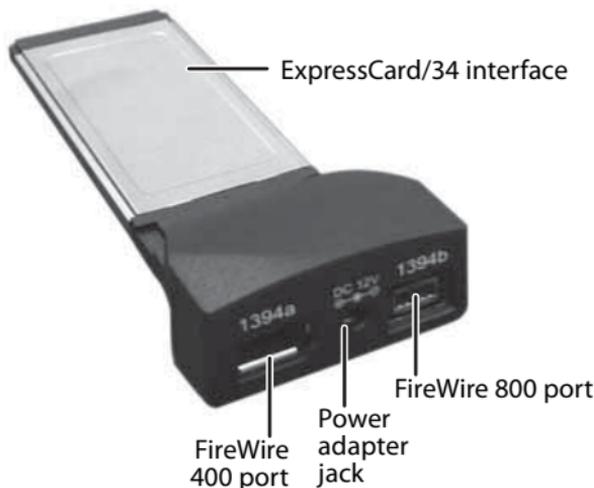
## Introduction

The Dynex FireWire 800 ExpressCard adapter is specifically designed to plug into a laptop equipped with an ExpressCard slot. It takes full advantage of the latest IEEE 1394b technology to provide easy installation and improve peripheral speed.

The Dynex FireWire ExpressCard adapter supports FireWire 800 multimedia peripherals and is fully backward compatible with IEEE 1394a FireWire 400 devices such as DV camcorders, CD-RW and DVD drives, portable hard drives, digital cameras, VTRs, digital TVs, and other audio and video devices.

## Product features

- Fully compliant with ExpressCard specifications
- Compatible with FireWire 800 (IEEE 1394b) and FireWire 400 (IEEE 1394a) devices including DV camcorders, CD-RW and DVD drives, portable hard drives, digital cameras, VTRs, digital TVs, and other audio and video devices
- Provides one 9-pin FireWire 800 and one 6-pin FireWire 400 port for multiple device connections
- Supports IEEE 1394b serial bus data transfer rates of 100, 200, 400, and 800 Mbps
- Compliant with IEEE 1394b and backward compatible with IEEE 1394a-2000 and IEEE 1394-1995 standards
- Hot-swapping feature allows you to connect and disconnect devices without turning off the system.



## Important safety instructions

- Always read the safety instructions and *User Guide* carefully before using. Keep the *User Guide* for future reference.
- Do not drop or allow forceful impacts to the product or install it in a location exposed to heavy vibrations.
- Do not disassemble or modify the product in any way. Disassembly or modification may not only void the warranty, but also could cause damage or lead to fires or electric shock.
- Do not use or store the product in damp locations. Liquid entering the product may cause damage or lead to fires or electric shock.
- Before removing the FireWire ExpressCard adapter from its package, safely discharge any static electricity build-up, which may damage the computer or the adapter, by touching an unpainted piece of metal.
- This product is for general computer use. It is not to be used as equipment requiring exceptional reliability, particularly when the breakdown or malfunction of this product may jeopardize life or health (such as aerospace equipment, atomic power control systems, traffic-related equipment, transportation equipment, industrial robotics, combustion equipment, various safety devices, and life-support systems).

## System requirements

- ExpressCard-enabled system with an available ExpressCard 1.34-inch (34 mm) or 2.13-inch (54 mm) slot
- Windows 2000, Windows XP, Windows Vista, or Mac OS X v10.4.x or higher

**Note:** FireWire devices have their own power supply and do not require the optional power adapter to be connected in order to work. However non-powered FireWire devices require an optional 12V/2A power adapter to work.

## Installing the adapter

### To install the FireWire ExpressCard adapter:

- Carefully insert the adapter into the ExpressCard slot of your laptop until it's firmly seated in the ExpressCard slot. (Refer to the ExpressCard slot instructions from your laptop's user guide).

### Windows installation:

Windows 2000, Windows XP, and Windows Vista automatically detect the adapter after it is installed, then installs the correct driver. No separate driver installation is needed.

### To verify proper installation in Windows:

- 1 To verify if the device exists in your computer and is enabled, right-click **My Computer**, then select **Properties**.
- 2 Click **Device Manager** and open the entry **IEEE 1394 Bus host controllers**.

If the device has been properly installed, its sub-entry should be displayed as **OHCI Compliant IEEE 1394 Host Controller** in Windows 2000 and Windows XP or **AGERE OHCI Compliant IEEE 1394 Host Controller** in Windows Vista.

### Mac OS X (v10.4 or later) installation:

Computers with Mac OS X v10.4 or later include a FireWire driver provided by the operating system. No additional driver software is necessary. After the FireWire ExpressCard adapter is installed, start the computer.

## Troubleshooting

<p>Windows Device Manager does not show the IEEE 1394 Bus host controllers or the OHCI Compliant IEEE 1394 Host Controller</p>	<ul style="list-style-type: none"><li>• Repeat the driver installation procedures, then see if the device appears in Device Manager.</li><li>• The computer's operating system version may need to be updated to support IEEE 1394 devices. Refer to the Windows or Apple Web site to update the computer to the latest OS version or service pack.</li></ul>
<p>Camera and camcorder connecting problems</p>	<ul style="list-style-type: none"><li>• Check the Device Manager to see if the DV camera is detected and installed. If the DV camera is connected to the FireWire ExpressCard adapter, the Device Manager should display <b>Microsoft DV camera and VCR</b> under <b>Imaging Device</b> in the <i>Control Panel</i>.</li><li>• If these entries are not present, the camera may not connect to the FireWire ExpressCard adapter correctly. Check the cable connections to both the camera and adapter. Make sure that the camera is turned on and working.</li><li>• The computer's operating system version may need to be updated to support IEEE-1394 devices. Refer to either Windows or Apple Web sites to update the computer to the latest OS version or service pack.</li></ul>

<p>Other Windows IEEE 1394 device connecting problems</p>	<ul style="list-style-type: none"><li>• Check the Device Manager to see if the device exists.</li><li>• Click on the <b>IEEE 1394 Bus host controller</b> sub-entry and make sure that there are no conflicts. Conflicts are indicated by an entry with a red <b>X</b> or a yellow exclamation point (!). If a conflict is found, see Windows Help for instructions to solve the problem.</li><li>• Repeat the device driver installation procedures.</li><li>• Make sure that the attached device driver is using a current version. Usually updated device drivers are available for download on the device manufacturer's Web site.</li></ul>
<p>During installation, Windows cannot locate the files needed to complete installation.</p>	<p>If Windows reports that it is unable to find the file necessary to install the FireWire ExpressCard adapter, there will be a field at the bottom of the window requesting where to "Copy files from." In this location, change the file location to match the OS CD. If using Windows 2000 or XP, change to <b>D:\i386</b>. (If <b>D</b> is the drive letter of the CD-ROM). Some particular files may actually exist on the system already but need to be located through Windows Search. Each computer may vary slightly.</p>

# Specifications

Chipset	LSI FW643
Interface	ExpressCard/1.34 inch (34 mm)
Connectors	<ul style="list-style-type: none"><li>• One 9-pin FireWire 800-1394b connectors</li><li>• One 6-pin FireWire 400-1394a connector</li></ul>
Dimension	1.69 × 4.49 × 0.79 inches (43 × 114 × 20 mm )
Maximum data transfer rate	<ul style="list-style-type: none"><li>• FireWire 800-1394b : 800 Mbps (or 100 MB/sec)</li><li>• FireWire 400-1394a : 400 Mbps (or 50 MB/sec)</li></ul>
System environment	Operating temperature: 41°F~104°F (5°C~40°C) Operating humidity: 20 % ~ 80 % RH
System support	Windows 2000, Windows XP, Windows Vista, Mac OS X v10.4.x or higher
Certification	FCC Class B, ICES-003

*Specifications are subject to revision or update without notice.*

## Legal notices

### **FCC Part 15**

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within 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 technician for help.

### **Canada ICES-003 statement**

This Class B digital apparatus complies with Canadian ICES-003.



## One-year limited warranty

Dynex Products ("Dynex") warrants to you, the original purchaser of this new **DX-ECFW** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Dynex brand Products and packaged with this warranty statement. This warranty does not cover refurbished product. If you notify Dynex during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

### How long does the coverage last?

The Warranty Period lasts for one year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

### What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

### How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Dynex-approved repair person dispatched to your home.

## **Where is the warranty valid?**

This warranty is valid only to the original purchaser of the Product in the United States and Canada.

## **What does the warranty not cover?**

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Dynex to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. DYNEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. DYNEX PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Dynex:

For customer service please call 1-800-305-2204

[www.dynexproducts.com](http://www.dynexproducts.com)

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