

## FireS CSI Xpress

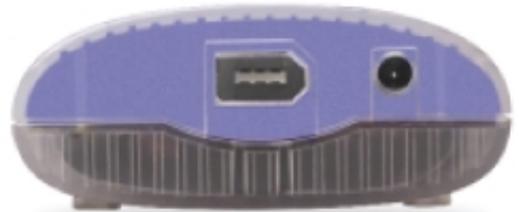
FireWire (IEEE1394) to SCSI Adapter



DB25 Connector (female)



1394 connector



# USER'S MANUAL

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## Controls within Adobe® Acrobat® Reader

This manual has been produced as a Portable Document Format (PDF). Using the Adobe Acrobat Reader, this manual may be viewed either directly on-screen or printed using your own printer.



Go to next page or to previous page. (Note: The "Left" and "Right" arrows on the keyboard can also be used to advance to the previous or next page. The "Up" and "Down" arrows can be used to scroll up or down on a current page, as well as advance pages).



Undo or redo of certain actions or of pages visited.



Go to beginning or end of this document.



Zoom in and zoom out.

USER'S  
MANUAL

1  
GETTING  
STARTED

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## Introduction:

Thank you for purchasing the FireSCSI Xpress from Microtech International, Inc.

The FireSCSI Xpress is a USB to SCSI converter for new Apple Macintosh and PC Compatible owners who wish to use their existing SCSI peripherals such as hard drives, Zip drives, and CD-ROM drives on a enabled system.

## What's included with the FireSCSI Xpress:

The FireSCSI Xpress includes the following:

- FireSCSI Xpress Adapter
- Microtech Installer CD
- Quick-Start Guide
- Warranty Registration Card

## System Requirements:

### PC Compatible:

- Desktop or laptop PC Compatible with an IEEE-1394 port
- Windows 98SE, 2000, ME

### Macintosh:

- Any IEEE-1394 equipped Apple Macintosh\*
- Mac OS 9.0 or higher featuring FireWire Manager 2.3.3 or above.

\* Does not support 3rd party USB add-on cards.

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CONNECTING  
to a Macintosh

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## Installation Overview

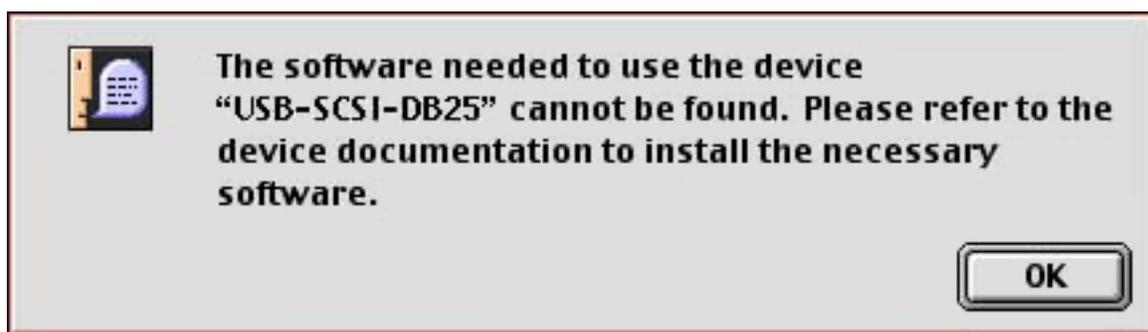
The FireSCSI Xpress is relatively easy to install and operate. To avoid complications during the installation process, please follow the steps in order as described in this chapter.

## Installing the Driver Software

### Macintosh Installation (Mac OS 8.5 or above):

1. Insert the Microtech Installer CD-ROM
2. Double-click on the "Microtech Installer" icon
3. Follow any instructions displayed on the screen.
4. **After** installing the driver software, finish reading this chapter and connect the FireSCSI Xpress to your computer. For instructions on connecting your SCSI device to the FireSCSI Xpress, proceed to the next page.

**Installation note:** *If you attempt to attach the FireWire connector to the FireWire port of your Macintosh prior to installing the FireSCSI Xpress drivers you may receive the following (or a similar) message:*



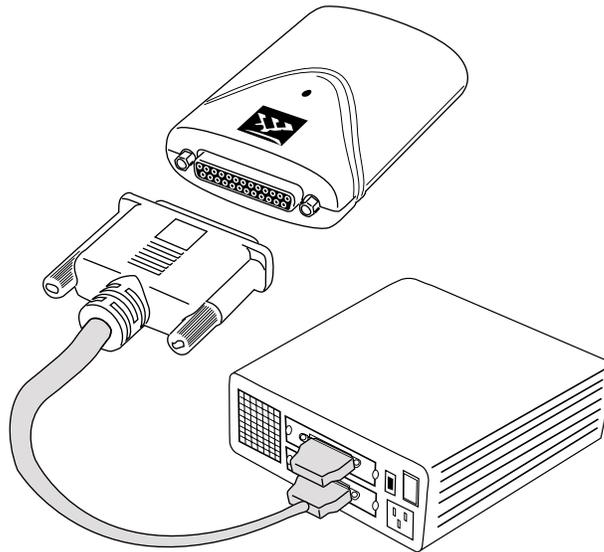
*If this occurs, click "OK", install the driver software, and then attach the FireWire connector.*

## Connect a SCSI Device to the FireSCSI Xpress

Microtech includes accessories to help make setup as convenient and hassle free as possible. The SCSI connector on your FireSCSI Xpress model may or may not be the appropriate SCSI connector to use in your system configuration (depending on the type of connectors on your SCSI device(s). You may need to obtain an adapter to properly connect the FireSCSI Xpress to your SCSI device.

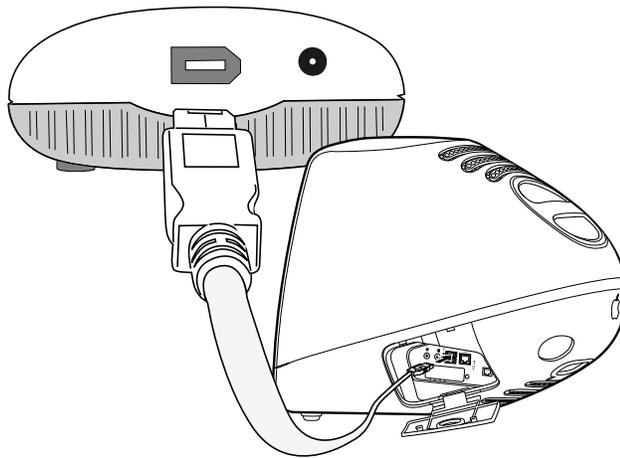
1. In most cases - you will plug a male DB25 cable (most likely included with your existing SCSI device) directly to the DB25 female connector of the FireSCSI Xpress. In some instances a gender changer may be required to properly connect to your cable or device.
2. Be sure the cable is firmly attached to your SCSI device. Secure the cable to the FireSCSI using the fastening screws which are built-in to your cable.

NOTE: Only one device can be connected at a time. You can not daisy-chain multiple SCSI devices.



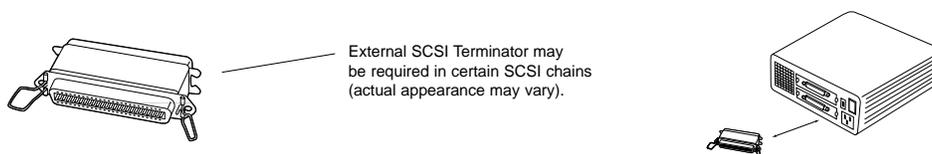
## Connect the FireSCSI Xpress to your computer

1. Connect one end of the FireWire (IEEE1394) cable to the FireSCSI Xpress.
2. Then connect the other end to an available FireWire port on your Macintosh computer as shown.
3. Follow any special instructions that accompanied your SCSI device and then restart your computer to complete the installation. You are now ready to use your SCSI peripheral.



## SCSI Termination

A SCSI terminator is a device which blocks stray SCSI signals in a chain to ensure a reliable connection. SCSI termination is usually required for optimal performance. Termination can be applied via switches or via external attachments (see illustration below) for devices without built-in termination. Consult the documentation for your SCSI device to obtain instructions on applying termination.



## SCSI Addressing

As only one device can be connected at once, the SCSI address on your SCSI device can be set at any ID you choose.

## Using the FireSCSI Xpress

The FireSCSI Xpress cable by itself is "hot-pluggable," that is it can be safely attached to and detached from a live system. It is important to note however - **SCSI devices are not hot-pluggable** (based on industry standards). When a SCSI device is attached to the FireSCSI Xpress, **you should not attempt to hot-plug the FireSCSI Xpress to or from your computer.** Instead, when making changes to your hardware setup while a SCSI device is connected to the FireSCSI Xpress, **you should restart your computer.**

# USER'S MANUAL

## CONNECTING to a PC Compatible

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## Installation Overview

The FireSCSI Xpress is relatively easy to install and operate. To avoid complications during the installation process, please follow the steps in order as described in this chapter.

## Installing the Driver Software

### For Windows 98SE:

Insert the Microtech Installer CD-ROM.

Open "My Computer" and then open the drive corresponding to your CD-ROM.

Next double-click on the file labeled "242975us.exe" which will update your computer's FireWire support.

Once completed, restart your computer.

### For Windows 2000 and ME:

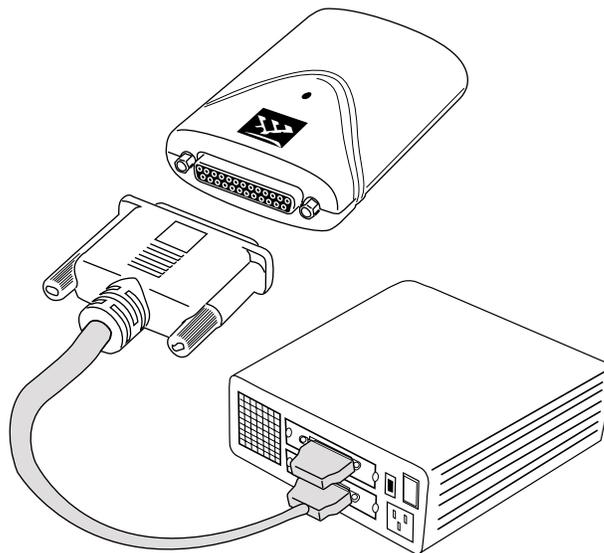
No updates need to be installed. Full support for IEEE-1394 (FireWire) products is already included in your Windows operating system. Proceed to the next page for attaching your SCSI device to the FireSCSI Xpress.

## Connect a SCSI Device to the FireSCSI Xpress

Microtech includes accessories to help make setup as convenient and hassle free as possible. The SCSI connector on your FireSCSI Xpress model may or may not be the appropriate SCSI connector to use in your system configuration (depending on the type of connectors on your SCSI device(s)). You may need to obtain an adapter to properly connect the FireSCSI Xpress to your SCSI device.

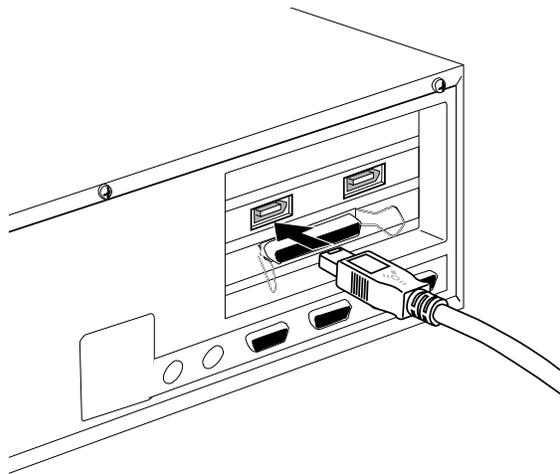
1. In most cases - you will plug a male DB25 cable (most likely included with your existing SCSI device) directly to the DB25 female connector of the FireSCSI Xpress. In some instances a gender changer may be required to properly connect to your cable or device.
2. Be sure the cable is firmly attached to your SCSI device. Secure the cable to the FireSCSI using the fastening screws which are built-in to your cable.

NOTE: Only one device can be connected at a time. You can not daisy-chain multiple SCSI devices.



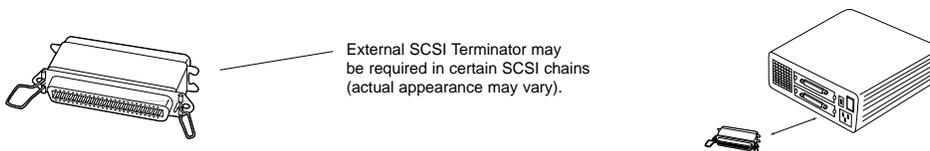
## Connect the FireSCSI Xpress to your computer

1. Connect one end of the IEEE1394 cable to the FireSCSI Xpress.
2. Then connect the other end to an available IEEE1394 port on your Macintosh computer as shown.
3. Follow any special instructions that accompanied your SCSI device and then restart your computer to complete the installation. You are now ready to use your SCSI peripheral.



## SCSI Termination

A SCSI terminator is a device which blocks stray SCSI signals in a chain to ensure a reliable connection. SCSI termination is usually required for optimal performance. Termination can be applied via switches or via external attachments (see illustration below) for devices without built-in termination. Consult the documentation for your SCSI device to obtain instructions on applying termination.



## SCSI Addressing

As only one device can be connected at once, the SCSI address on your SCSI device can be set at any ID you choose.

## Using the FireSCSI Xpress

The USB Xpress SCSI is hot-pluggable on the Windows 98 operating environment, meaning that you can connect and disconnect the cable from your computer without having to shutdown. However, you must be sure that none of the devices are being accessed before you remove the cable from the PC. Attempting to do so while devices are being accessed may result in data loss or damage.

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## OBTAINING Technical Support

## Solutions to Common Problems

If you are experiencing problems regarding your FireSCSI Xpress refer to the questions below for a possible solution. Additionally up to the minute tips and solutions can also be found on our web site: **[www.microtechint.com](http://www.microtechint.com)**. If the problem persists after trying the solutions provided below and on our web site, please contact our technical support department.

**?** **What SCSI-based products are compatible with the FireSCSI Xpress? Are all SCSI devices supported? Will I need a firmware upgrade to support these and other types of SCSI products in the future?**

A. The FireSCSI Xpress is compatible with a variety of SCSI devices which comply to the industry SCSI standard (ANSI X3.131-1986 SCSI Standard). The FireSCSI Xpress works with removable media and fixed storage devices, (such as SyQuest, Zip, Jaz, Magneto Optical, hard drives, CD and CD recorders/re-writables), and a variety of scanners and other devices. However some devices which use proprietary SCSI controllers/connectors (certain scanners, and other devices) may not be compatible initially and may require updated drivers in the future or may not be compatible at all. You will not need to upgrade the firmware on your FireSCSI Xpress to support other types of devices, compatibility is augmented via simple software updates. Check our web site periodically for device and driver compatibility updates. It may also be helpful to contact our Technical Services Department in regards to compatibility questions.

**?** **What should I do if my computer warns that I need software to run a particular device?**

A. Unplug the FireSCSI Xpress. Install the appropriate drivers for the particular device. Re-connect the FireSCSI Xpress. If this does not work contact Microtech Technical Support.

**?** **How many SCSI devices can I connect to the FireSCSI Xpress Adapter?**

A: You can connect only one SCSI device at a time to the FireSCSI Xpress.

**?** **The SCSI connector on my FireSCSI Xpress does not appear to be the same as on my SCSI device(s) — how do I connect them?**

A. The SCSI connector on your FireSCSI Xpress model may or may not be the appropriate SCSI connector to use in your system configuration (depending on the SCSI connection required for your hardware set up. You may need to obtain an adapter to properly connect the FireSCSI Xpress to your SCSI device(s). Your existing SCSI device(s) may have already included SCSI cables which may be appropriate to use. For more information contact the manufacturer of your SCSI device(s), your local computer dealer, or Microtech's Technical Support Department.

**?** **What are the main functions of the LED indicator on the FireSCSI Xpress?**

A. The LED is used to indicate the operating status of the FireSCSI Xpress. When the LED is not lit it can be an indication that there is either a lack of termination power or an improper SCSI connection. The LED will also flash on and off to indicate that the FireSCSI Xpress is being accessed/used by a connected SCSI device.

## Contacting Microtech Technical Support

The FireSCSI Xpress is relatively easy to install and operate and normally should not produce many complications. However, if you need assistance or have questions of any kind, our trained staff members are ready to help. Our Technical Support and Customer Service Departments can be reached via e-mail at [tech@microtechint.com](mailto:tech@microtechint.com) or by calling **800-666-9689** or **203-483-9402** from 8:00 a.m. to 6:00 p.m. (EST), Monday through Friday. Helpful information can also be obtained 24 hours a day from our web site: [www.microtechint.com](http://www.microtechint.com).

[Click here to  
visit Microtech Tech  
Support Online](#)

## Returning Products for Service

When calling for support, if a Technical Support specialist recommends that you return the product to Microtech, the Technical Support specialist will transfer you to Customer Service for a **Return Merchandise Authorization (RMA)** number. The RMA number **must** appear on the outside of your shipping carton. Any package that does not carry an RMA number will be refused by Microtech's Receiving Department.

Pack the FireSCSI Xpress in its original box. Be certain that it fits snugly and is surrounded with the original packing material.

- Improper packing can result in damage to the device, and may result in voiding the warranty.
- Microtech will not accept an improperly packaged device.

You are responsible for paying the cost of shipping the device to Microtech; Microtech will pay the return shipping on any Warranty RMA. Be sure to include the RMA number on the outside of the box. Please ship the device to:

**Microtech International, Inc.**  
**242 Branford Road**  
**North Branford, CT 06471-1303 USA**

## MICROTECH LIMITED WARRANTY

Microtech's warranty obligations are limited to the terms set forth below:

Microtech International, Inc., ("Microtech") warrants this product against defects in material and workmanship for the period of two (2) years. The warranty period begins with the date of original retail purchase.

This limited warranty is made only to the original end user purchaser ("you") of the product and does not extend to any subsequent purchasers or owners of the product. The "original end user" is the first user to put the product into service in any fashion, but the term "original end user" shall exclude dealers. Dealers shall not be entitled to the benefits of the limited warranty.

It is your responsibility to establish the warranty period by verifying the original purchase date. Accordingly, to avoid dispute, you should register online or return the warranty card to Microtech within ninety (90) days after the date of purchase.

If you discover a defect, Microtech will, at its option, repair or replace this product with a new or reconditioned product at no charge to you, provided you return it during the warranty period, with transportation charges prepaid, to Microtech. (You can obtain additional information by contacting Microtech at the address printed on the certificate.) To each product returned for warranty service, please attach your name, address, telephone number, and a copy of the bill of sale bearing the appropriate Microtech serial numbers as proof of date of original retail purchase, as well as a detailed description of the problem for which service is requested. Prior to returning the product, you must obtain from Microtech a Return Merchandise Authorization Number (RMA#). You are responsible for packaging the product to be returned, and should take care that the product is packed in its original packaging. If the repairs are covered by the Limited Warranty and if the product was properly shipped to Microtech, Microtech will pay the return shipping charges.

This warranty applies only to hardware products manufactured by Microtech that can be identified by the "Microtech" trademark, trade name, or logo affixed to them. This warranty does not cover: damage resulting from accident, misuse, abuse, or neglect and/or damage during any type of transportation resulting from improper packaging; damage to any product which has been altered in any fashion, including the alteration or removal of any Microtech serial number; damage resulting from causes other than product defects, including and not by way of limitation, lack of technical skill, competence, or experience of the user, and/or failure to use the product in accordance with the instructions provided in the User's Manual; and service performed by an unauthorized person or entity.

All computer software either sold and/or licensed to a purchaser or user is done so on an "as is" basis, without warranty of any kind by Microtech. The only warranties relating to such software, if any, are provided by the Master Licensor of such software and are set forth in the User's Manual. The entire risk as to the quality and performance of such software is with the purchaser or user. Should such software prove defective following its purchase the purchaser or user, as the case may be (and not Microtech) assumes the entire cost of all necessary servicing or repair.

Any implied warranties including fitness for use and merchantability are limited in duration to the period of the expressed warranty set forth above. The remedies provided under this warranty are exclusive and in lieu of all others.

Microtech hereby expressly disclaims liability and shall not be responsible for incidental, consequential and contingent damages of any kind or nature, including, without limitation: damages to persons or property, whether a claim for such damages is based upon warranty, contract, tort or otherwise; damages due to or arising out of the loss of data; or lost profits.

Microtech shall not be responsible for any damages caused by the presence of error or omission in any so-called "foreign language version" of its manuals, instructions or related materials.

Microtech International, Inc. — 242 Branford Road — North Branford, CT 06471 USA — 203-483-9402

# USER'S MANUAL

## CONTACTING

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### Microtech International

Microtech International, Inc. is an industry leader in digital connectivity solutions and personal computer memory upgrades. Our digital connectivity solutions include an extensive line of PC Card and flash memory readers and media, which improve the performance, capacity, and flexibility of any digital appliance. Microtech is well known throughout the world for its innovative products and exceptional customer service.

Based in North Branford, Connecticut (USA) Microtech has been manufacturing quality memory and computer peripheral products since 1985. Microtech is a wholly owned subsidiary of SCM Microsystems, Inc. (Nasdaq: SCMM; Neuer Markt: SMY)

Microtech is open Monday through Friday from 8:00a.m. to 6:00p.m. (US. Eastern Standard Time).

**Microtech International, Inc.**

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Web site: <http://www.microtechint.com>  
E-mail: [tech@microtechint.com](mailto:tech@microtechint.com)

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IBM PC/AT is the trademark of International Business Machines Corporation.

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For more information contact:  
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242 Branford Road  
North Branford, CT 06471 USA  
Tel: 203-483-9402