

Firewire 800 Extender Plus

EXT-FW-1394BP

User Manual



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ASKING FOR ASSISTANCE

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Notice

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INTRODUCTION

Congratulations on your purchase of the Firewire 800 Extender Plus. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

The Gefen Firewire 800 Extender Plus

This solution uses a sender and receiver system to instantly send your data from your source to your extended Firewire device. It boasts a remarkable transfer rate of up to 980 Mbps and easily bridges distances up to 1640 feet (500 meters). This gives you the freedom to operate your computer based equipment and video cameras as if they were connected locally with no signal degradation or time lag. Receiving units have a second pair of fiber connectors to daisy chain multiple Receiving units for extreme distances.

How It Works

Simply connect your computer to the Firewire Extender 800 sender unit with the supplied cable. Connect your extended device to the receiver unit - up to 1640 feet away. One 2-strand LC-LC fiber optic cable, available in several lengths from Gefen, connect sender (computer) to receiver (Firewire device).

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE FIREWIRE 800 EXTENDER PLUS

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- The Firewire 800 Extender Plus is housed in a metal box for better RF shielding.
- Only LC terminated multi-mode fiber optic cable can be used with the Firewire 800 Extender Plus system.
- Units can be cascaded up to 63 levels deep with a maximum distance between each of 1640 feet (500 meters).

FEATURES

Features

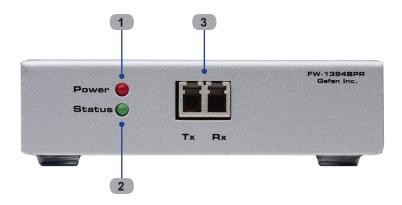
- Extends Firewire devices up to 1640 (500 meters) feet
- Transfer Rates of 100/200/400/800 Mbps
- Compliant with IEEE 1394a and 1394b
- Allows remote devices to operate in real-time, connected to the source
- Works with Apple and PC computers
- Uses fiber optics to ensure long distance performance
- · Daisy chain multiple receivers for extreme distances

Package Includes

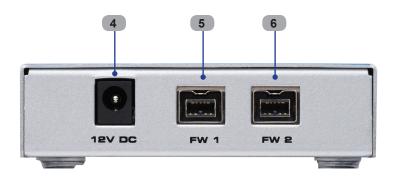
- (1) Firewire 800 Extender Plus Sender
- (1) Firewire 800 Extender Plus Receiver
- (2) 3 ft. Firewire 400-to-800 cables (M-M)
- (2) 3 ft. Firewire 800-to-800 cables (M-M)
- (1) 12V DC Power supply
- (1) Quick-Start Guide

SENDER PANEL LAYOUT

Front Panel



Back Panel



SENDER PANEL DESCRIPTIONS

1 Power LED

This LED will become active once the included power adapter has been connected.

2 Status LED

This LED will become active once a stable link has been established between the sending and receiving units.

3 Fiber Optic TX and RX Inputs

Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units.

4 12V DC Power Supply Input

Input for the supplied 12V DC power adapter.

5 Firewire Input

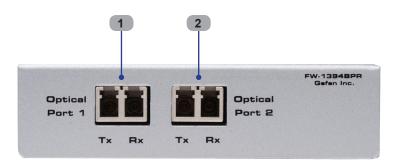
Connects to a Firewire hub, or Firewire device.

6 Firewire Input

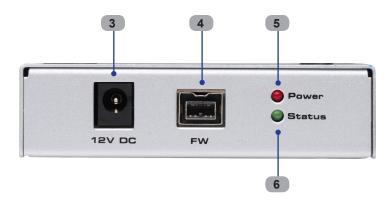
Connects to a Firewire hub, or Firewire device.

RECEIVER PANEL LAYOUT

Front Panel



Back Panel



RECEIVER PANEL DESCRIPTIONS

1 Fiber Optic TX and RX Ports 1

Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units. Optionally, this port can be used for extension to another Receiving unit to extend the signal.

2 Fiber Optic TX and RX Ports 2

Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units. Optionally, this port can be used for extension to another Receiving unit to extend the signal.

3 12V DC Power Supply Input

Input for the supplied 12V DC power adapter.

4 Firewire Input

Connects to a Firewire hub, or Firewire device.

5 Power LED

This LED will become active once the included power adapter has been connected.

6 Status LED

This LED will become active once a stable link has been established between the sending and receiving units.

CONNECTING THE FIREWIRE 800 EXTENDER PLUS

Connecting the Firewire 800 Extender Plus

- Connect the supplied Firewire cable from the computer's Firewire port into one of the firewire ports on the Firewire 800 Extender Plus Sending unit. The other port can be used for a local Firewire device.
- Connect one pair of LC terminated fiber optic cables from the Firewire 800 Extender Plus Sender unit to the Optical Port 1 on the Firewire 800 Extender Plus Receiving unit.

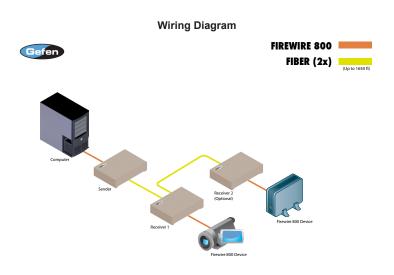


NOTE: Additional Firewire 800 Extender Plus Receiving units can be chained to reach further distances. To do this, connect another pair of LC terminated fiber optic cables from the Optical Port 2 on the Firewire 800 Extender Plus Receiving unit to the Optical Port 1 on another Firewire 800 Extender Plus Receiving unit.

- Connect your Firewire devices into the Firewire 800 Extender Plus Receiving unit at the remote location.
- 4. Plug the included 12 volt power supply into the Firewire 800 Extender Plus Receiving unit at the remote location.
- 5. Restart your computer only after you've made all the connections.



IMPORTANT: When selecting fiber optic cable, use only 50μ or 62.5μ multi-mode fiber optic cable.



EXT-FW-1394BP

SPECIFICATIONS

Input Connector Type	1394b
Output Connector Type	1394b
Optical Specifications:	IEEE1394b-2002 compliant
Link Connector:	Duplex LC fiber
Fiber type:	62.5 micron or 50.0 micron multi-mode fiber
Data rates:S100 (122.44 Mbps), (983.04 Mbps)	S200 (245.76 Mbps), S400 (491.52 Mbps), S800
Power Supply:	External 12V DC
Power Consumption:	36 watts (max) per power supply
Dimensions:	3.9"D x 0.9"H x 4"W
Shipping Weight	3 Lbs

WARRANTY

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

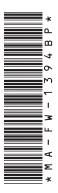
- 1. Proof of sale may be required in order to claim warranty.
- 2. Customers outside the US are responsible for shipping charges to and from Gefen.
- Copper cables are limited to a 30 day warranty and cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications is subject to change without notice.

For the latest warranty coverage information, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at www.gefen.com.

PRODUCT REGISTRATION

Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.



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