

Introduction

Thank you for purchasing an IOGEAR FireWire® Hub. Our three (or six) port FireWire® Hub (GFH310 / GFH610) provides you with a convenient way to expand your current FireWire® set-up. There has never been a better way to expand or extend your FireWire® capacity. Since many FireWire® devices require consistent data throughput we have included the option to power the hub. This will increase the integrity of the signal as it travels from your digital device to the computer. For additional technical information regarding your FireWire® hub, please see the Features & Specifications section in this user manual or visit us at www.iogear.com

Overview

Ever since its onset, FireWire® (a.k.a. IEEE 1394 and i.LINK™) has rapidly become known for its flexibility, high speed, and ease of use. It is the interface choice for digital, audio and visual devices, and is rapidly becoming one of the top connectivity choices in the industry. Many devices already use FireWire® and many more manufacturers are finding a way to integrate this technology into their products.

FireWire® operates at a supported data transfer rate of 100, 200, and 400 Mbps (Megabits per second). It is a true hot swappable interface allowing you to connect up to 63 simultaneous devices that automatically switch to the highest speed, accommodating the peripheral in use.

You will enjoy the convenience and speed that has made FireWire® an industry standard when it comes to connecting fast, high tech, digital devices.


System Requirements

- Mac OS 8.6 or higher
- Windows 98, 98SE, 2000, ME, XP
- A FireWire® (IEEE 1394) port installed on your computer

Features

- Small, compact size for convenient placement
- Supports 100/200/400 Mbps serial throughput
- IEEE 1394, 1394OHCI v1.0, 1394A v2.0 compliant
- DC input terminal for optional external power supply
- PC 98 and PCI power management v2.2 compliant
- Works with DV camcorders, hard disk drives, digital cameras, removable drives, scanners,... etc.

Specification

Function		Specification
Power Consumption		DC 9V; 11mW
Ports		Three or Six
Connectors		6 pin IEEE 1394 Std.
LEDs		1
Data Transfer Rate		100, 200, 400 Mbps (Asynchronous, Isochronous)
Cable 	Type	6 pin - 6 pin IEEE1394
	Length	1.8 m (6')
Standards Support		IEEE1394; P1394A
Operating Temperature		5 ~ 40º C
Storage Temperature		-20 ~ 60º C
Humidity		0 ~ 80% RH, Noncondensing
Housing		Plastic
Weight		55 g (GFH310)
		110 g (GFH610)
Dimensions (L x W x H)		77.6 x 70.2 x 31.2 mm (GFH310)
		92.2 x 91.4 x 33.3 mm (GFH610)

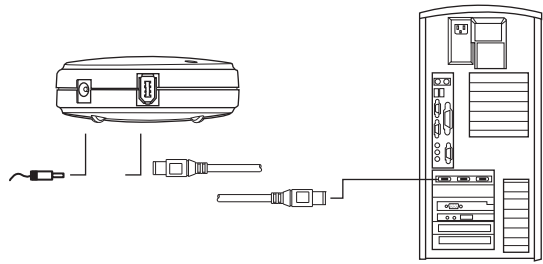
Installation

GFH310/GFH610

Connecting the Hub to the Computer

With your computer booted up:

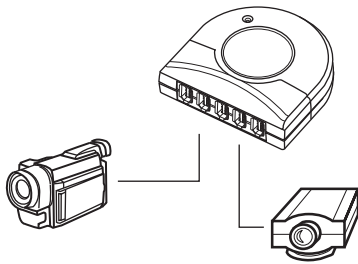
1. Connect the 6 pin FireWire® cable that came with the FireWire® hub to the port on the back of the unit.
2. Connect the other end of the cable into your computer's FireWire® port or additional FireWire® hub.
3. For GFH610, connect the power adapter included with the unit.



Connecting Peripherals to the Hub

Simply plug the cable from the peripheral into any available port on the hub.

Note: On a Windows system, the first time you connect a peripheral to the system, the Windows New Hardware installation program comes up to install the proper hardware and software drivers for it. Follow the instructions in the User Manual that came with your peripheral to complete this process.



Troubleshooting

If you are experiencing any trouble with the FireWire® hub:

- Try swapping/replacing the cables
- Make sure the power adapter is connected properly (GFH610)
- Try pluggin in a power adapter (GFH310)
- Make sure you are getting activity from the read out lights
- Try a different FireWire® port on your computer
- Try different ports on the hub

If you continue to experience any problems, email IOGEAR tech support at support@iogear.com

Warranty

3 Year Limited Warranty

IOGEAR warrants this product against defects in material or workmanship for a period of three years from the date of purchase. If this product proves to be defective, contact IOGEAR customer support in order to service the unit, and we will issue you a Return Merchandises Authorization (RMA) number. IOGEAR will not issue a refund for your purchase. Return requests can not be processed without the proof of original date purchased.

When returning the product, you must ship the product in it's original packaging or packaging that gives an equal degree of protection. Include your proof of purchase in the packaging and the RMA number clearly marked on the outside of the package.

This warranty becomes invalid if the factory-supplied serial number has been removed or altered on the product.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence or modification of any part of the product. This warranty does not cover damage due to improper operation or maintenance, connection to improper equipment, or attempted repair by anyone other than IOGEAR. This warranty does not cover products sold AS IS or WITH FAULTS. This warranty is valid only in the United States and Canada.

IN NO EVENT SHALL IOGEAR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR COSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, IT'S ACCOMPANYING SOFTWARE, OR IT'S DOCUMENTATION. IOGEAR makes no warranty or representation, expressed, implied, or statutory, with respect to it's products, contents or use of this documentation and all accompanying software, and specifically disclaims it's quality, performance, merchantability, or fitness for any particular purpose. IOGEAR reserves the right to revise or update it's product, software or documentation without obligation to notify any individual or entity.

Radio & TV Interference

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.

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Thank you for purchasing IOGEAR. For the latest information on our products, visit us at www.iogear.com



FireWire® MiniHub
GFH310/GFH610 USER'S MANUAL

Read this guide thoroughly and follow the installation and operation procedures carefully to prevent any damage to the hub and/or any of the devices connected to it.

This package contains:

- FireWire® Hub
- FireWire® (IEEE1394) 6ft. cable
- Users Guide
- Power Adapter (GFH610 Only)
- Warranty/Registration Card

If anything is damaged or missing, please contact your reseller immediately.