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1. Welcome

Thank you for purchasing IOGEAR's 4-Port USB 2.0 / 3-Port FireWire® Universal Combo Hub, one of the fastest Hi-Speed USB 2.0 / FireWire® Hubs on the market. IOGEAR only manufactures high quality connectivity devices so we are sure you will be satisfied with your purchase. IOGEAR is dedicated to customer service and satisfaction, and wishes you the best with your new USB 2.0 / FireWire® Universal Combo Hub. To better serve you, IOGEAR offers an array of additional USB 2.0, USB, FireWire®, KVM, and other peripheral products. For more information, to purchase additional IOGEAR products, visit us at **www.IOGEAR.com**
We hope you enjoy using your USB 2.0 / FireWire® Universal Combo Hub, yet another first-rate connectivity solution.

Note:
Your order has been carefully packaged and inspected, and we hope you are pleased with the IOGEAR® product you purchased. Please inspect the contents of the package to ensure that you have received all items and that nothing has been damaged. If you discover a problem, please contact your dealer immediately for assistance.

Contact Information:
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2. Overview

The USB 2.0 / FireWire® Universal Combo Hub is yet another innovative mobile connectivity solution developed by IOGEAR. The USB 2.0 / FireWire® Universal Combo Hub offers a complete high speed connectivity solution at a fraction of the cost of other separate USB 2.0 and FireWire® Hubs. Setup is fast and easy! Simply plug in the Universal Combo Hub and you're ready to go. IOGEAR brings USB 2.0 and FireWire connectivity to your notebook or desktop computer. You will enjoy the convenience and reliability that has made USB and FireWire® industry standards when it comes to connecting multiple high-tech peripheral devices. USB 2.0 and FireWire® provides high bandwidth thus broadening the range of peripherals that may be attached to your computers. FireWire® allows you to move data at a blazing rate of 400 Mbps (Megabits per second). USB 2.0 provides data transfer rates up to 480 Mbps. The USB 2.0 / FireWire® Universal Combo Hub is fully backward compatible with the first generation of 100 and 200 Mbps devices. USB 2.0 and FireWire® are the right choices for your high bandwidth requirements. You will enjoy the convenience and speed transfer rate that USB 2.0 and FireWire® products bring.

With IOGEAR's USB 2.0 / FireWire® Universal Combo Hub you'll be able to access all of the existing and upcoming USB 2.0 and FireWire® devices such as digital cameras, DV camcorders, MP3s and more.

3. Features

FireWire:
• Provides three (3) up/downstream ports
• 400 Mbps data throughput
• Supports 100/200/400 Mbps connections
• Fully IEEE 1394 compliant
• Chain up to 63 devices together

USB 2.0:
• Provides four (4) downstream and (1) upstream ports
• 480 Mbps data throughput
• 100% Backward compatible with USB v1.1
• USB – IF certified
• Chain up to 127 devices together
• Plug-n-Play, hot swappable
• Automatically switches to the highest speed supported by peripheral
• Hot Pluggable – connect devices without restarting the computer
• Easy to install – no jumpers, switches or terminators required
• 3 year limited warranty

4. System Requirements

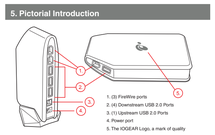
Minimum System Requirements:
Mac:
• PowerMac G3 (Blue & White Tower) or later
• Mac OS 9.2 or higher
• Mac OS X 10.2.3 or higher is required for USB 2.0 functionality
• 64MB of RAM
• Available USB port
• Available 1394 FireWire port

PC:
• Pentium® or K6® - class processor (266Mhz or higher)
• Windows® 98SE, 2000, ME, XP
• 64MB of RAM
• Available USB port
• Available 1394 FireWire port

Recommended System Requirements:
Mac:
• PowerMac G4 1.0Ghz or higher
• Mac OSX 10.2.8 (Jaguar) or later
• 256MB RAM
• Available USB port
• Available 1394 FireWire port

PC:
• AMD Athlon® 2100+ or Intel Pentium® 4 2.0Ghz Processor
• Microsoft Windows 2000, or XP
• 256MB RAM
• Available USB port
• Available 1394 FireWire port

5. Pictorial Introduction



1. (3) FireWire ports
2. (4) Downstream USB 2.0 Ports
3. (1) Upstream USB 2.0 Ports
4. Power port
5. The IOGEAR Logo, a mark of quality

6. Hardware Installation of USB 2.0 Universal Hub

Note: Before you begin, please make sure that your computer has been turned off.

Step. 1

Connect the power adapter to the power supply and the other end to the USB 2.0/Firewire Hub

Step. 2 **(If using the USB HUB)**

• Plug the Hi-Speed USB 2.0 Cable (Type B connector) into the USB 2.0 upstream port

• Plug the Hi-Speed USB 2.0 Cable (Type A connector) into your computer's USB 2.0 or USB 1.1 port.

Step. 3 **(If using the Firewire HUB)**

• Connect the 6 pin FireWire® cable that came with the COMBO hub to the FireWire® port on the back of the unit.

• Connect the other end of the cable into your computer's FireWire® port or additional FireWire® hub.

Step. 4 Turn on your computer

Step. 5

Once your computer has finished booting up, a series of messages will let you know that the USB 2.0 Hub and/or FireWire® Hub has been successfully installed.
Note: If you are using non-high-speed USB 1.1 port a series of warning will prompt to remind you that a non-high speed port has been detected. In that case just close the warnings windows and continue.

Front:

7. Care & Handling

To insure the maximum reliability of the USB 2.0 / FireWire® Universal Hub please follow the guidelines listed below:
• DO NOT open the case for it will VOID your WARRANTY.
• Keep all cables out of isles and off desktops where they can be hooked and pulled.
• Keep the card firmly secured in the shipping container when shipping the Hub.
• Keep the environment around the card clean and free of excessive dust and chemicals.
• Use a damp cloth to clean the Hub, NEVER put cleansers directly on the Hub.
• DO NOT expose the Universal Hub to extreme temperatures.
• DO NOT expose the Universal Hub to direct sun light for extended periods of time.
• DO NOT get the Universal Hub wet.
• DO NOT place the Universal Hub in an area with an excessive amount of dirt

8. Troubleshooting

All information contained herein is subject to change without notice. If you are unable to find a particular piece of information, please contact your IOGEAR Service Support Representative for assistance. IOGEAR® Service Support team is available to answer your technical questions. Do not hesitate to call if you are having trouble getting your card to work correctly.
IOGEAR® Service Support can be reached by phone at :
(866) 946-4327 from 8am to 5pm Pacific Standard Time, Monday through Friday.
You may also reach us online at www.iogear.com/support 24 hours a day. Please be ready to give a brief description of the problem, and what you were doing when the problem occurred, before calling Service Support. The Service Support representative will be able to serve you much quicker if you are prepared to answer the eight questions listed below:

1) What is the purchase date and serial number of the Hub?
2) Were any messages displayed on the screen when the error occurred? If so, what was the exact wording of the message?
3) What type of Computer are you using?
4) When does the problem occur?
5) Can the problem be reproduced? If so, what are the steps necessary to reproduce the problem?
6) What version of the OS are you using?
7) Are you on a network? If so, what type of network is it?
8) What have you already tried to resolve the problem?

9. Radio and 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

10. Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, DISK, OR ITS DOCUMENTATION EXCEED THE PRICE PAID FOR THE PRODUCT.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or updates. For further inquiries please contact your direct vendor.

4-Port USB 2.0 / 3-Port FireWire® Universal Combo Hub

GUH420 Quick Start Guide

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

GUH420 package contents:
(1) GUH420 IOGEAR USB 2.0 / FireWire® Universal Hub
(1) USB Cable A Type to B Type Cable
(1) FireWire® 6 Type to 6 Type Cable
(1) 100-240VAC, DC 5V 2.6 Switching Adapter
(1) Quick Start Guide
(1) Warranty / Registration Card

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