1394-HUB-5-x   FW106   FIREWIRE REPEATER HUB

INSTALLATION/ USER GUIDE

MAN059   Rev Date 01/19/01
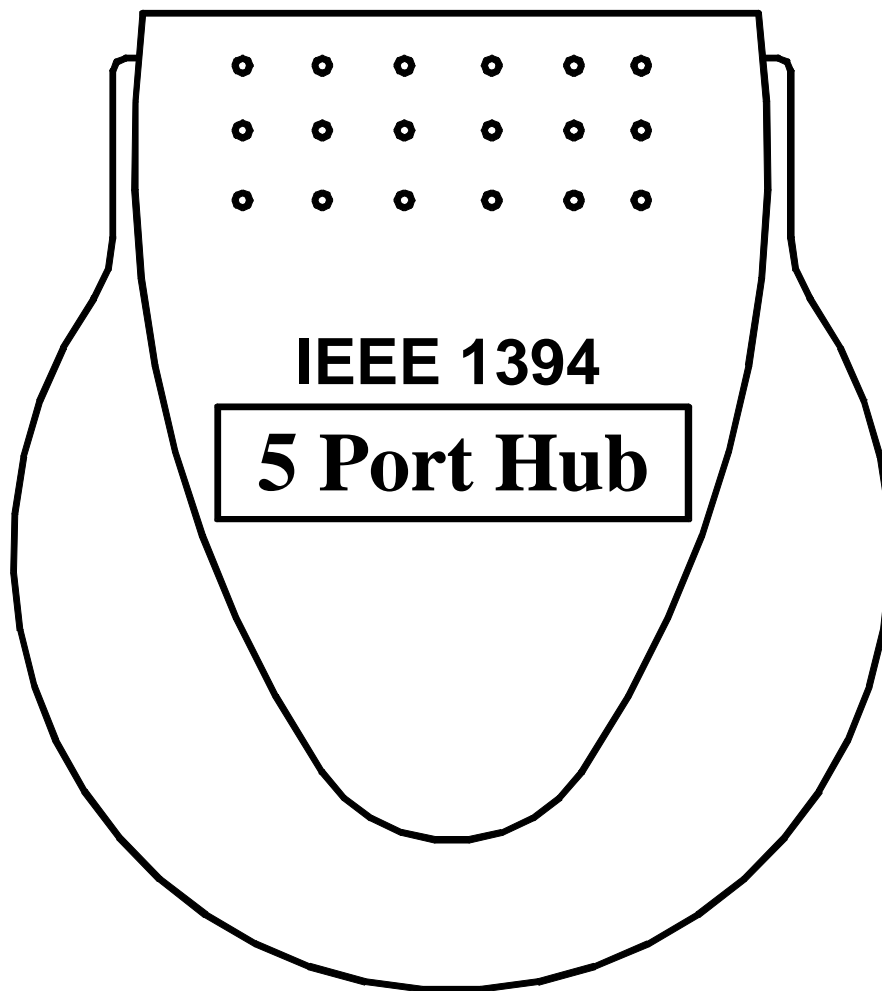
Materials Included:

1394-HUB-5-x FW106 FIREWIRE REPEATER HUB
1.8 meter (6 Foot) FireWire 4-pin male to 6-pin male Camera Cable
4.5 Meter (15 foot) FireWire 6-pin male to 6-pin male cable
12VDC (300mA) Power Adapter

Introduction

The FW106 FireWire Repeater Hub provides the electronic interface between IEEE 1394a compatible devices and a host computer. Up to 63 FireWire IEEE1394a compatible peripheral devices can be connected including devices for nonlinear (digital) video presentation and editing, desktop and commercial publishing, document imaging, home multimedia and personal computing. An IEEE1394a compatible port on a host computer will support each of these applications simultaneously through this hub.   The FW106 FireWire Repeater Hub offers a true plug and play environment to satisfy growing system accessibility needs.   Individual cable lengths are limited to 15 feet (4.5 meters) but the distance from the computer to the device can be extended to 235 feet (72 meters) when multiple FW106 FireWire Repeater Hubs are used.

Features

- IEEE 1394-1995 specification compatibility, compliant with proposal 1394a.
- Plug and play support with FireWire devices.
- All ports support high speed operations of 100/200/400 Megabits per second.
- Supports hot-plugging hookup of consumer electronic devices.
- Link up to 63 devices

Installation

The FW106 FireWire Repeater Hub will make a connection between as many as 63 FireWire compatible peripheral devices and a host computer with a FireWire socket installed in a PC or MAC style computer.   All devices can be hot-plugged so disconnecting power is not necessary.

1.   Connect the jack from the 12VDC power adapter to the power socket on the FW106 FireWire Repeater Hub. (See Fig. 1) Plug the power adapter into a 120VAC receptacle.   The Red LED on the FireWire Repeater Hub will illuminate.   (See Fig. 2)

2.   Connect one end of the 6-pin to 6-pin 4.5 meter FireWire cable provided (see Fig. 1a) to a FireWire port on the host computer. NOTE: DO NOT USE the 4-pin to 6-pin cable to connect the host computer to the FW106 FireWire Repeater Hub.   Connect the other end of the FireWire cable to a FireWire port on the FireWire Repeater Hub (see Fig. 1).   Once the host computer (or any peripheral component) is connected to the hub, the Green LED on the hub will illuminate.   The Green LED indicates that a cable from a powered-on device is connected to one of the FireWire Repeater Hub ports.

 Note: Fig. 1 shows the FireWire host computer connection being made to a port on the same side as the power connector.   The host computer will actually function properly with a connection made on any of the five 6-wire ports on the hub.
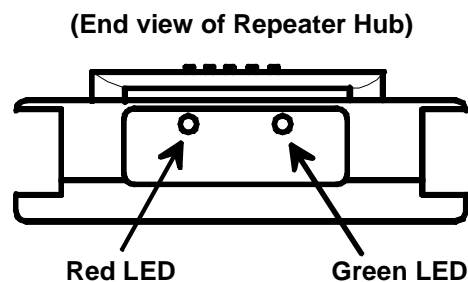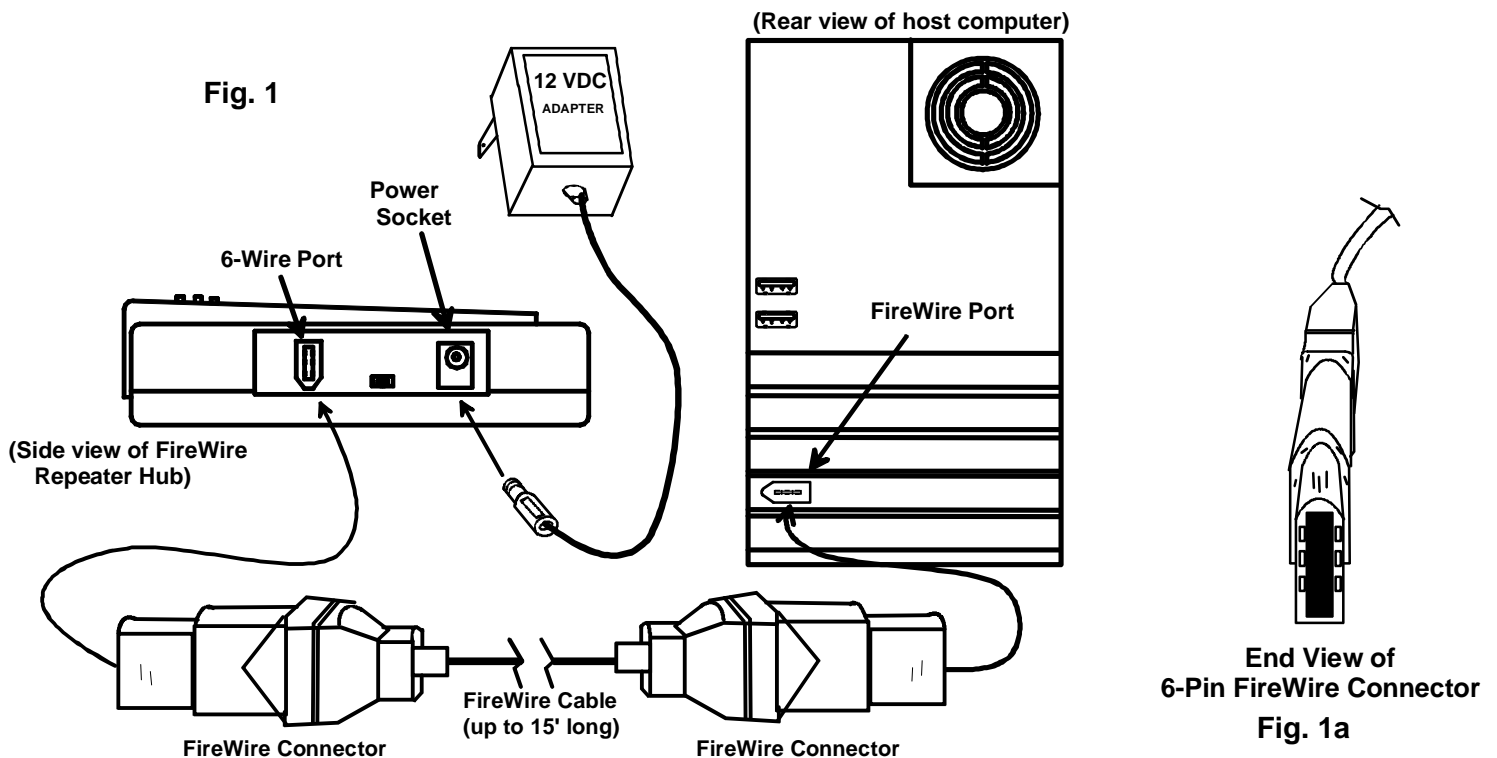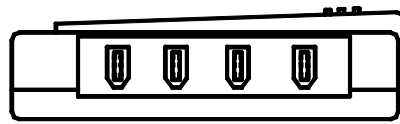

Fig. 1

(Rear view of host computer)

12 VDC ADAPTER

Power Socket

6-Wire Port

FireWire Port

(Side view of FireWire Repeater Hub)

FireWire Cable (up to 15' long)

FireWire Connector

FireWire Connector

End View of 6-Pin FireWire Connector

Fig. 1a

(End view of Repeater Hub)

Red LED   Green LED

Fig. 2

3. Connect any FireWire compatible device to any of the remaining 4 ports. (See Fig. 3)

Side View of Repeater Hub

Fig. 3

4. (Optional) Daisy chain multiple FW106 Repeater Hubs to increase the number of devices to be connected or to increase the distance between the host computer and the peripheral device.   The cable between repeaters can be up to 15 feet in length and lengths of cable can be added for up to 235 total feet.   Connect up to 63 FireWire devices in all. (See Fig. 4)
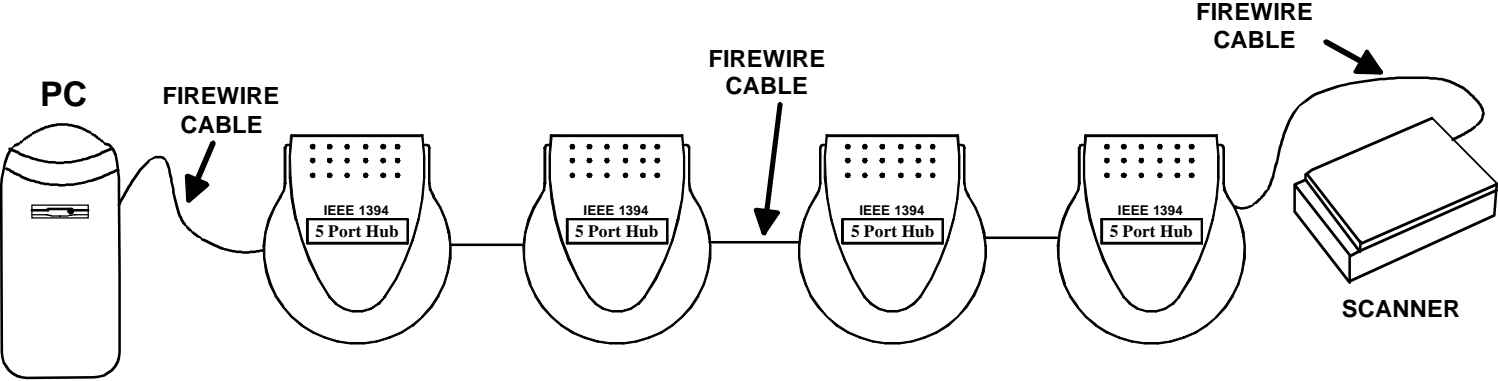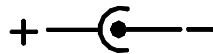

Fig. 4

Technical Data

Power Supply	120VAC 60Hz @ 200mA Input / 12VDC @ 300mA Output (See Fig. 5)
Connection	5 x IEEE 1394 6-conductor FireWire female receptacle
	1 x IEEE 1394 4-conductor FireWire female receptacle

Power Connector

2.1 mm x 5.5 mm Female

Fig. 5

Troubleshooting

Problem	Solution
No LED's Illuminate	• Check power source. Try another outlet.
	• Check connection of jack to hub. Make sure it is fully inserted.
No communication between peripheral device and host computer	• Check FireWire cable connections at the host and at the hub. Make sure both are fully inserted
A device does not work	• Make sure devices are fully plugged into the port sockets.
	• Make sure host computer is configured to support the device connected.

WARRANTY INFORMATION

The warranty period on this product (parts and labor) is one (1) year from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at http://www.nti1.com for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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CHANGES

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