
1394 6-Port Repeater

User's Manual

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About this Manual

The purpose of this manual is to introduce you to your 1394 6-Port Repeater. It will guide you on how to set it up for proper operation in your computer. Please save this manual for future reference.

This manual is comprised of the following sections:

Chapter 1: Introduction

Provides unpacking instructions and introduces the features of the 1394 6-Port Repeater.

Chapter 2: Installation

Provides step-by-step instructions on how to setup the 1394 6-Port Repeater.

Chapter 1

Introduction

Thank you for purchasing of the 1394 6-Port Repeater. Our goal is to provide its customer with reliable, high quality products. The purpose of this comprehensive user's manual is to:

- Introduce you to the 1394 6-Port Repeater' s features and benefits
- Guide you through the steps for an easy, trouble-free installation into your system

Before setting up 1394 6-Port Repeater, please take the time to review this chapter for unpacking instructions and an over view of the key features. Then refer to Chapter 2 for installation instructions.

1-1 Unpacking the 1394 6-Port Repeater

Before setting up your 1394 6-Port Repeater, verify that the following items are included in the packaging carton:

- One 1394 6-Port Repeater
- One 1394 6-pin to 6-pin cable
- One switching power adapter
- This user' s manual

Please consult your dealer if any item is damaged or missing.

1-2 Introducing the 1394 6-Port Repeater

The 1394 6-Port Repeater is designed to support both 1394-equipped PC and Mac computers. It provides 6 independent hot-swapping cable ports with data transfer rate up to 400Mbps and can operate in self-powered or bus-powered mode depending on your system configuration. With its unique design and features, the 1394 6 Port Repeater is the best affordable solution for your 1394 devices connection and expansion.

1-2.1 Key Features and Benefits

- Fully supports the IEEE 1394-1995 standard for high performance serial bus and the P1394a Supplement
- Fully compliant with FireWire and iLINK implementation of IEEE 1394 standard
- Full P1394a support includes: Connection Debounce, Arbitrated Short Reset, Multi-speed Concatenation, Arbitration Acceleration, Fly-by Concatenation, Port Disable/ Suspend/Resume
- Provides six P1394a fully compliant cable ports (400 Mbps) for device connections
- High-efficiency, light-weight switching power adapter (AC adapter) ensures reliable power source
- Six independent ports allow you to connect/disconnect any 1394 device without interrupting other connected devices. (Without this repeater, 1394 devices are normally connected in a daisy-chain configuration and the disconnection of a device in the early sequence of the chain will interrupt all other devices connected to it)
- Extends the cable length between each device from 4.5m (standard) to 9m
- Allows you to connect DV camcorders (Sony, Panasonic, Canon, JVC, Sharp and more), hard disk drives, printers, MO drives, digital cameras, scanners, and audio/video devices including TV, VCR, DVD to your computer

1-2.2 System Requirements

For PC computers

- Pentium 233MHz PC with one available 1394(FireWire) port
- Windows 98SE or later

For Mac/ iMac computers

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- Power Mac G3 or iMac DV with one available FireWire (1394) port
 - Mac OS 8.6 or later

1-2.3 Safety Precautions

- Do not open the case of the repeater, or the warranty will be voided.
- Use the AC-DC power adapter comes with the repeater only.
- If the repeater starts emitting unusual smells, sounds, or smoke, unplug the unit immediately from its power supply. Stop using it and contact the store where it was purchased from.
- Always hold the plug when unplugging the cable from the repeater. Do not pull the cord section to prevent any damage caused.
- Disconnect the AC-DC power adapter if the repeater will not be in used for a long period of time.
- Do not expose the repeater to a location of high humidity, high temperature, direct sunlight, excessive dust/ moisture, or strong magnetic field.
- Do not touch the repeater or cable with wet hand to prevent any electric shock. Should the repeater becomes wet, unplug it from its power source before handling.
- Any modifications done to the repeater by any unauthorized personnel will result in voiding the warranty.
- Any damage, electric shock, fire or loss of function resulting from any unauthorized modifications done to the repeater will not be the responsibility of the manufacturer.
- Always back-up data periodically. Any error or loss of data will not be the responsibility of the manufacturer.

Chapter 2

Installation

This chapter provides information to guide you through the setup of the 1394 6-Port Repeater.

2-1 Power Mode Setting

The 1394 6-Port Repeater supports self-powered mode and bus-powered mode devices. However, it is recommended to operate the repeater in self-powered mode since it provides a more reliable power source when connecting multiple 1394 devices that don't have their own power sources.

Self-powered mode (recommended mode) receives power from AC adapter (12V/ 1A max.)

Bus-powered mode receives power from 1394 bus (8-40V/ 1A max.)

Note: Power mode will be switched automatically to bus-powered if power adapter is not used.

2-2 1394 6-Port Repeater Installation

Please refer to the following section to setup the 1394 6-Port Repeater with your PC / Mac computers.

2-2.1 Self-powered mode

Proceed with the following instructions to set up the repeater in self-powered mode:

1. Plug-in the AC adapter to a reliable power source then connects this power jack into the repeater. SELF_P and BUS_P LED will display green light indicating that it is operating in self-power mode.

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2. Connect one end of the provided 1394 6-pin cable to any port on the repeater and the other end to an available 1394 port on your system.
 3. LINK LED will display green light indicating the hub is linked to you system.
 4. The repeater is now ready for device connection.

2-2.2 Bus-powered mode

Proceed with the following instructions to set up the repeater in bus-powered mode:

1. Connect one end of the provided 1394 6-pin cable to any port on the repeater and the other end to an available 1394 port on your system.
2. LINK and BUS_P LED will display green light indicating that the repeater is operating in bus-powered mode.
3. The repeater is now ready for device connection.



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