

# **FireWire Cat.5 Extender**

USER'S MANUAL

## INTRODUCTION

Congratulations on your purchase of the FireWire Cat.5 Extender. This FireWire Cat.5 Extender is capable of sending IEEE1394 signals across a Cat.5e/6 cable up to 75meters at data rate of 400Mbps & 120meters at data rate of 100Mbps. This Extender is optimized to create long-haul IEEE1394b-2002 connections over Cat.5e or Cat.6 at the S400 rate, but it can also be used at S200 and S100.

Setting up the FireWire Cat.5 Extender is quite simple. Using the RJ-45 Connector, plugging it in the connections without confusion or difficulty. It takes only minutes to setup, and there is no configuration necessary, like all IEEE1394 compliant hardware. The FireWire Cat.5 Extender is IEEE1394b compliant and it is backward compatible with IEEE1394a.

## PACKAGE CONTENTS

Before installation, please check the items of the package :

- FireWire Cat.5 Extenders X 2
- User's Manual X 1
- Power Adapter ( 9V, 0.3A) X 1
- IEEE 1394 Cable ( 1394b Bilingual 9 Pin ----- 1394a 6Pin ) X1
- Crossover Coupler X 1

## FEATURES :

- Fully supports provisions of IEEE 1394a.2000 and 1394.1995 Standard for High Performance Serial Bus.
- Fully interoperable with FireWire, SB1394, DishWire, and i.LINK. Implementation of IEEE Std. 1394
- Fully Supports Provisions of IEEE Std 1394b-2002 at S400B Signaling Rates
- Equipped with a multi-rate adaptive equalizer which restore IEEE Std 1394 signals received over Cat.5 or Cat.6 Unshielded Twisted Pair (UTP) Cable at 400 Megabits per Second ( Mbits/s )

## Typical Equalization Performance

1394 Rating	Range Using	
	Cat 5e	Cat 6
S100	75m	75m
S200	75m	75m
S400	75m	75m

Measurements performed in Lab conditions

## INSTALLATION :

There are two FireWire Cat.5 Extenders included in the package. Both units can act as either transceiver or receiver.

1. Connect the FireWire Cat.5 Extender to the host system with an IEEE1394 cable (with IEEE1394b Bilingual/Beta 9 Pin Connector ).
2. Plug in the Power Adapter (9V, 0.3A) into the other FireWire Cat.5 Extender ( at the Device Side. There is no need to plug-in any Power Adapter at the host side).
3. Connect your Cat.5e or Cat.6 cable with the attached Crossover Coupler between these two FireWire Cat.5 Extenders ( refer to Figure 1.).
4. Connect IEEE1394 Device to the second FireWire Cat.5 Extender with an IEEE1394 cable (with IEEE1394b Bilingual/Beta 9 Pin Connector ).
5. Operate the IEEE1394 Device just like it is directly connected to the host system.
6. Check the LED in the front panel. Make sure that the LED on each extender illuminates in solid green LED. That indicates the extenders are powered and communicating.

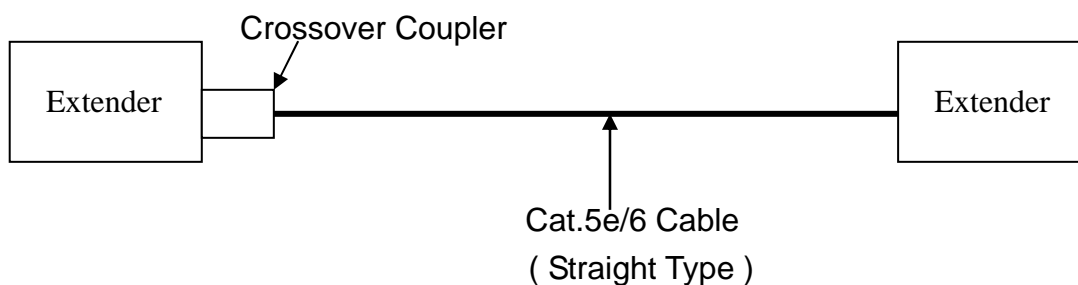


Fig. 1

## **SPECIFICATIONS**

- One IEEE1394b Bilingual 9 Pin Connector
- One RJ-45 Port
- Works with PC, Macs and Linux
- Full Duplex Data Rate at up to 400Mbps
- Compatible with 1394a and 1394b Standard
- Bus powered or self powered
- Low Power consumption : 2.7W ( DC9V/0.3A )
- Standard CAT.5e/6 Cable
- Operating Temperature ( -45°C to 75°C )
- Compact Size 75 x 57 x 29 mm

## Certifications

This equipment has been tested and found to comply with FCC and CE Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received. Including interference that may cause undesired operation.

## WEEE Information

For EU (European Union) member users:

According to the WEEE Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.



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