

NETLINE™ USB
10/100 ETHERNET ADAPTER

User's Guide



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CONTENTS

Chapter 1 - Introduction	5
Features	6
Chapter 2 - Installation	7
Installing the hardware	8
Installing the software	9
Windows 98	9
Windows 2000	10
Chapter 3 - Operation	11
NetLINE USB Adapter LED	11
Chapter 4 - Farallon Technical Support	13
Appendix	15
Specifications	15
Regulatory notices	16
Warranty.....	19

CHAPTER 1

Introduction

The NetLINE USB 10/100 Ethernet Adapter allows you to connect your USB-equipped computer to a 10Base-T Ethernet or 100Base-TX network.

The NetLINE USB 10/100 Ethernet Adapter is fully compliant with IEEE Ethernet standards and USB specifications. It supports plug-and-play for Windows 98 and Windows 2000.

Please make sure that the following items are included in your Farallon NetLINE USB 10/100 Ethernet Adapter package:

- NetLINE USB 10/100 Ethernet Adapter
- NetLINE driver diskette
- this user's guide

FEATURES

- Complies with IEEE 802.3 Ethernet and 802.3u Fast Ethernet standards.
- Complies with USB 1.1 standards.
- LED indicator for link and activity.
- Operates with Windows 98 and Windows 2000.
- 3 year warranty.
- FCC Class A, CE Class A and VCCI Class A certification.

CHAPTER 2

Installation

Your NetLINE USB 10/100 Ethernet Adapter can be installed simply by:

- Installing the hardware
- Installing the software

Connect the adapter and then allow Windows to search for the necessary driver on the farallon diskette included with your NetLINE USB 10/100 Ethernet Adapter.

INSTALLING THE HARDWARE

1. Make sure your computer is on and running a correctly installed version of Windows 98 or 2000.
2. Connect the adapter's Ethernet port to a 10Mbps or 100Mbps network device using a twisted pair 10Base-T or 100Base-TX cable.
3. Connect the USB cable attached to the NetLINE USB Adapter to the USB port on your computer or USB hub.



INSTALLING THE SOFTWARE

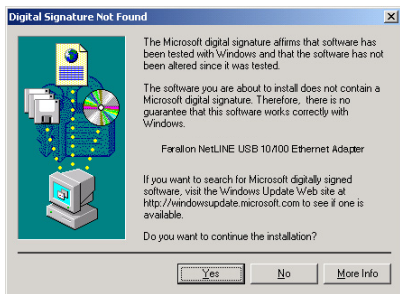
WINDOWS 98

1. After you connect the USB adapter, the Windows Add New Hardware Wizard will appear
2. Select **search for the best driver for your device** and then click **Next**.
3. Windows will present the possible locations for the driver. Select your computer's floppy disk drive.
4. Insert the Farallon diskette into your computer's disk drive and click the **Next** button.
5. Windows will install the necessary files. You may be prompted for the Windows 98 CD or .cab files. If so, insert the needed Windows disk or enter the location of the .cab files on your computer.
6. The last screen tells you Windows has finished installing the software needed by the card.
7. Click the **Finish** button and restart the computer.

10 CHAPTER 2

WINDOWS 2000

1. After you connect the USB adapter, the Update Device Driver Wizard will begin. Click **Next**.
2. Insert the Farallon diskette into your computer's floppy disk drive.
3. When the Wizard finds the driver, a message may appear indicating that the driver does not have the Windows 2000 digital signature.



4. Click **Yes** to continue. The driver is designed to work with Windows 2000 and is fully compatible with the Windows 2000 operating system.

CHAPTER 3

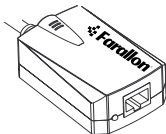
Operation

Verify the following for NetLINE USB 10/100 Ethernet Adapter operation:

- The link LED is lit.
- Connections are secure, and the correct cable type is being used.
- The driver software is installed.

NETLINE USB ADAPTER LED

The NetLINE USB 10/100 Ethernet Adapter LED can give you information about link status and network activity.



LED On: This indicator is lit green when the port is connected to a 100Mbps Fast Ethernet device, and lit yellow when connected to a 10Mbps Ethernet device.

12 CHAPTER 3

LED Blinking: The indicator blinks green when data is received on the 100Mbps network and blinks yellow when data is received on the 10Mbps network.

LED Off: If the LED is off, and you have a network cable connected to the adapter, it may indicate one of the following:

- The network cable is not properly connected or is faulty.
- No 10Base-T or 100Base-TX device is connected at the other end of the network cable.
- The network cable exceeds 100 meters.
- The device is not receiving power from a USB port or there is no USB support on your system.
- You are using a straight-through 10Base-T or 100Base-TX cable to connect directly to another workstation.
- You are using a cross-over cable to connect to a hub.

CHAPTER 4

Farallon Technical Support

Farallon is committed to providing its customers with reliable products and excellent technical support. Please look in this user's guide for possible solutions to any problems you come across, and be sure to read any paper release notes or electronic "Read Me" files that you receive from Farallon.

If you contact us by telephone, please be at the site of the problem, prepared to reproduce it and to try some troubleshooting steps. If you have any questions, concerns, or suggestions, please contact us:

Phone: (510) 346-8001

Phone support hours are 7:00 am to 4:30 pm PST.

Fax: (510) 346-8116

Email: info@farallon.com

Mail: Farallon Customer Service
3089 Teagarden St.
San Leandro, California
94577-5720 USA

14 CHAPTER 4

FARALLON INTERNET INFORMATION RESOURCES

Please visit our website at www.farallon.com for Farallon product information, support resources and home networking information.

OUTSIDE OF THE UNITED STATES AND CANADA

If you are not located in the United States or Canada, you can get service locally by contacting your nearest Farallon reseller or distributor. For a worldwide list of our distributors, see our Internet information resources or contact Farallon directly.

APPENDIX

SPECIFICATIONS

Specification	USB Specification V.1.1
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Data Transfer Rate	USB 12Mbps Ethernet..... 10/100Mbps
LED indicators	Green..... 100Mbps Link/Rx Yellow 10Mbps Link/Rx
USB Port	Series-A Plug
Ethernet Port	RJ-45 10Base-T RJ-45 100Base-TX
Connector/Cable	Unshielded twisted pair wire 22AWG~26AWG (24AWG recommended) for RJ-45 phone jack. Max length 100 meters.
Dimensions	65 x 48 x 28 mm 2.5 x 1.89 x 1.10 in
Temperature	Storage: -10°C ~ 70°C Operation: 0°C ~ 50°C
Humidity	Storage: 10% ~ 70% Operation: 10% ~90%
Power Consumption	1.2 Watts (maximum)
Regulatory	FCC Class A, CE Class A, VCCI A

REGULATORY NOTICES

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

CE MARK



This equipment conforms to the European Community CE Mark standard for the design and manufacturing of information technology equipment. This standard covers a broad area of product design, including RF emissions and immunity from electrical disturbances.

Warning: In a domestic environment this equipment may cause radio interference, in which case the user may be required to take adequate measures. Adequate measures include increasing the physical distance between this product and other electrical devices.

VCCI CERTIFICATION

この装置は、第一種情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI- A

VCCI-A: Equipment satisfying the recommended values for Class A ITE.

Warning

This is a Class I product.

In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. VCCI- A

WARRANTY

LIMITED WARRANTY AND LIMITATION OF REMEDIES

Farallon warrants to you, the end user, that the accompanying Farallon hardware product, which may include third party products or technology (the "Product") will be free from defects in materials and workmanship under normal use for three years after the date of purchase. This warranty will expire ninety (90) days from date of purchase on all software, whether "stand-alone" or delivered as part of a hardware product. Farallon's entire liability and your sole remedy under this warranty during the warranty period is that Farallon shall, at its option, either repair the Product or refund the original purchase price of the Product.

In order to make a claim under this warranty you must comply with the following procedure:

1. Contact Farallon Customer Service within the warranty period to obtain a Return Materials Authorization ("RMA") number.
2. Return the defective Product and proof of purchase, shipping prepaid, to Farallon with the RMA number prominently displayed on the outside of the package.

If you are located outside of the United States or Canada, please contact your dealer in order to arrange for warranty service.

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