BELKIN

USB
BusPort™Mobile

MODEL F5U022

User Manual

P73280

Table of Contents

Overview

The Belkin USB BusPort™ Mobile is the perfect solution for notebook PC or Macintosh® PowerBook® users without USB ports. Installation is fast and easy – just slide it in your CardBus PC Card Type II slot. The BusPort™ Mobile is completely Plug-and-Play, and is compatible with Windows® 98 and Macintosh® OS 8.6 or higher. You can instantly connect USB printers, modems, keyboards, mice, joysticks, and hundreds of other USB devices.

The BusPort™ Mobile provides two additional USB ports. When used with USB hubs such as the Belkin BusStation™ or 4 Port Hub, you can daisy-chain up to 127 USB devices to your notebook or PowerBook®. And because it is a Belkin product, you are assured that it is fully compliant with current USB specifications, meets the standard of USB OHCI specifications and comes with an unbeatable Lifetime Warranty.

Features

- Adds USB capabilities to your notebook PC or Macintosh® PowerBook® quickly and easily
- Instantly connect **ANY** USB device such as USB printers, modems, speakers, digital cameras, hubs, and more
- Supports 32-bit CardBus PC Card Type II slot
- Compatible with Windows® 98 or Mac® OS 8.6 or higher
- Fully compliant with current USB OHCI specifications
- Provides 2 USB ports
- Lifetime warranty

SYSTEM REQUIREMENTS

- Notebook PC or Macintosh® PowerBook® with CardBus PC Card Type II slot
- Windows® 98 or Mac® OS 8.6 or higher
- Not for use with PowerBook® G3 1999

## PACKAGE CONTENTS

- Belkin USB BusPort™ Mobile
- User Guide

Checking CardBus
Host Controller on a PC

Before you can connect the BusPort™ Mobile, you need to confirm if your notebook supports CardBus PCMCIA. To confirm whether your CardBus host controller has been installed in your notebook and works properly use the following procedures:

1. Click on Start, select Settings, then click on Control Panel. Next click on the PC Card (PCMCIA) icon from Control Panel.

2. If the PC Card Properties show at least one empty socket, this means PC Card support is installed properly on your notebook PC. You can proceed to install the USB BusPort™ Mobile.

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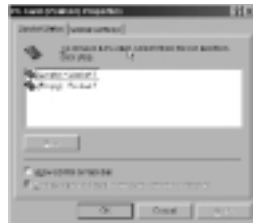
Checking CardBus
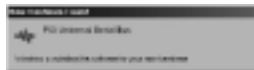## Host Controller on a PC (cont.)

3. If for some reason your notebook does not have PC Card
   PCMCIA support, then refer to your notebook PC manual on
   how to install the proper drivers or contact your notebook
   computer manufacturer.

Installation for Notebook
PCs using Windows® 98

1. Insert the BusPort™ Mobile on your notebook's PCMCIA slot.

2. Connect the 7-inch dongle, included in this package, to the
   BusPort™ Mobile PCMCIA Card.

3. Windows® automatically detects new hardware. To install the
   software device drivers for the BusPort™ Mobile, please use the
   following instructions:

Step 1
The first dialog box like the one below informs that Windows® 98
has detected a new hardware, "PCI Universal Serial Bus," and that
Windows® is installing the appropriate software.

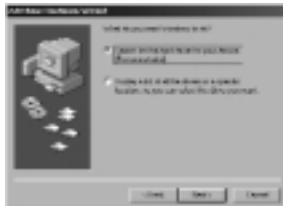# Installation for Notebook PCs using Windows® 98 (cont.)

Step 2

The following screen will prompt you that the wizard searches for new drivers for the OPTi 82C861 PCI to USB Open Host Controller. Click 'Next>'.

Step 3

The next screen displays two options. Select 'Search for the best driver for your device'. Click 'Next >'.

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Installation for Notebook PCs using Windows® 98 (cont.)

Step 4

Windows® will now prompt you for the location of the driver. Insert the Windows® 98 CD on your CD-ROM drive. From the selection window, select "Specify a Location" then type E:\WIN98 (On this example E is the drive letter for CD-ROM, it may be different on your PC). Click "Next>" to continue.
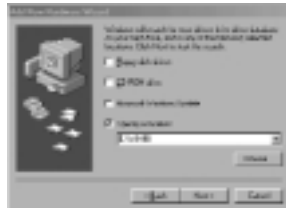
Step 5

Next, Windows® will inform you that it has found an updated driver for this device. Under the heading "What do you want to install?" select "The updated driver (Recommended)" then click "Next>."

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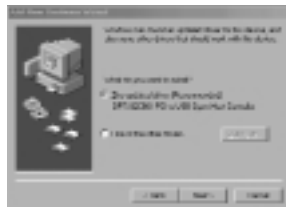
Installation for Notebook PCs using Windows® 98 (cont.)

Step 6
The next screen prompt informs that Windows® is ready to install the drivers for the BusPort™ Mobile. Click "Next" to install the drivers.

Step 7
The following prompt informs that Windows® is copying the driver files from the CD-ROM.

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Installation for Notebook PCs using Windows® 98 (cont.)

Step 8

Lastly, Windows® displays the final dialog box. Click "Finish."
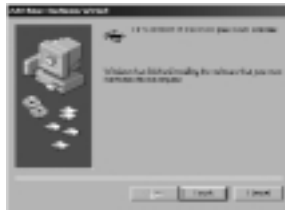
Windows will finish installing the OPTi 82C861 to USB Open Host Controller and the USB Root Hub. There will be no more prompts.

Congratulations you now have 2 USB ports!

Installation for Notebook PCs using Windows® 98 Second Edition

1. Insert the BusPort™ Mobile in your notebook's PCMCIA slot.

2. Connect the 7-inch dongle, included in this package to the BusPort™ Mobile PCMCIA Card.

3. Windows® automatically detects that you have installed new hardware. To install the software device drivers for the BusPort™ Mobile, please use the following instructions:

Installation for Notebook PCs using Windows® 98 Second Edition (cont.)

Step 1

The first dialog box informs you that Windows® 98 has detected new hardware, "PCI Universal Serial Bus."

Step 2

Immediately a screen like the one below should appear asking you to insert the Windows® 98 Second Edition CD-ROM. Insert the CD-ROM then click "OK."

Step 3

On the next window, under the heading "Copy files from" type E:\WIN98 (In this example, E is the drive letter for the CD-ROM, it may be different on your PC). Click "Next>."

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Installation for Notebook PCs using Windows® 98 Second Edition (cont.)

Windows® will finish installing the OPTi 82C861 to USB Open Host Controller and USB Root Hub. There will be no more prompts.

Congratulations, you now have two USB ports.

To confirm whether your computer has USB ports installed please use the following instructions:

1. Click on Start, select Settings, then click on Control Panel. Double click on the "System" icon from Control Panel.

2. Under "System Properties" select the "Device Manager" tab.

Installation for Notebook PCs using Windows® 98 Second Edition (cont.)

3. From the list of devices look for "Universal serial bus controller." Click on the 'Plus' sign beside it. After it expands you should see "OPTi 82C861 PCI to USB Open Host Controller."

After verifying that you have the BusPort™ Mobile properly installed, you can now start installing USB devices through the USB ports.

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Using Your BusPort™ Mobile on a Notebook PC

Initializing new USB Devices

As soon as you start connecting a USB device through any of the USB ports of the BusPort™ Mobile, Windows® 98 automatically detects the presence of new hardware. Windows® will then request device drivers for this particular USB device. Installation of those drivers is very similar to that of the BusPort™ Mobile, so you can use the driver installation of this manual as a reference.

Windows® 98 treats the 2 USB ports on the 7-inch dongle as 2 independent ports. You need to install device drivers for each USB port separately while engaging a new USB device. Windows® 98 will configure each port individually, and communicate with each USB port individually.

For example, initially you install a USB device initially in one of the USB ports. You remove this USB device from the USB port where you initially connected it and plug it into the other USB port, Windows® 98 will request you to install the device drivers again. Now you can hot attach/detach your USB device onto any of the two USB ports, since you have the device driver setup for both ports.

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Troubleshooting on a Notebook PC

Q: Why does Windows® 98 not detect the BusPort Mobile?

A: Normally, Windows® 98 will automatically detect the BusPort™ Mobile as a "PCI Universal Serial Bus" after inserting it in your notebook's PCMCIA slot. If Windows® 98 doesn't show new hardware found, please check as follows:

• Does your computer support 32-Bit Card Bus PC Card? Check your Notebook manual or contact your PC manufacturer. You can also consult the Compatibility List at the end of this manual.

• Does your computer bundle "PCMCIA Software Utility for PCI"? If it does not, please consult your computer manufacturer or retailer.

• Have you installed the "PCMCIA Software Utility for PCI" before installing the BusPort™ Mobile? If you did and still it does not work, check with your computer manufacturer or retailer.

Q: I have connected my USB device to the BusPort™ Mobile, why is it not working?

A: Windows® requires that the device drivers for any USB device connected to the BusPort™ Mobile be loaded. To install the device drivers of this particular USB device please refer to the "Software Installation Section" of the manual of the USB device. The device drivers for this USB device maybe available on the Windows® 98 CD-ROM (usually for USB mice and keyboards) or it is on a media provided by the USB device manufacturer.

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Installation using
Macintosh® PowerBook

1. Install the USB Adapter Card Support 1.3.5 driver then reboot
   the computer. USB Card Support 1.3.5 can be downloaded
   from this site:
   http://asu.info.apple.com/swupdates.nsf/artnum/n11543?
   OpenDocument.

**Note: Regardless of the operating system (either OS 8.6 or OS
9.0) USB Card Support 1.3.5 needs to be installed.**

2. Insert the Belkin BusPort™ Mobile on the PowerBook®'s
   PCMCIA slot. An icon named USB will appear on your screen.

3. Connect the 7-inch dongle with two USB ports to the Belkin
   BusPort™ Mobile.

4. Connect your USB device(s) (e.g. USB Mouse, USB Keyboard,
   USB Floppy Drive, etc.) to any of the USB ports of the 7-inch
   dongle. Your USB devices should start working, if not restart
   the computer.

5. If your USB device requires a driver, you need to install the
   driver provided by the manufacturer first, in order to make it
   work with the BusPort™ Mobile. You will get a prompt on your
   screen informing you that the driver for that particular USB
   device needs to be installed.

Troubleshooting on a Mac® PowerBook®

Q: How do I make the BusPort™ Mobile work on my PowerBook®?

A: 1. First, make sure that your PowerBook® is compatible with the BusPort™ Mobile. Check the compatibility list provided in this manual.

2. The BusPort™ Mobile will only be supported on Mac® OS 8.6 or higher.

3. Download USB Adapter Card Support 1.3.5 and install it before connecting the BusPort™ Mobile to your PowerBook®.

4. The BusPort™ Mobile should be properly inserted on your PowerBook®'s PCMCIA slot.

Compatibility List

PC Laptop List

Acer Extensa 390 series (391C, 391T, 392C, 392T, 393C, 393T, 394T, 395T)

Acer Extensa 650 series

Acer Extensa 670 Series (670CD, 671CDT)

Acer Extensa 900 Series

AST Ascentia A

AST Ascentia M5000 Series

AST Ascentia A60+ or A70/70+

AST Ascentia P80

Compaq Armada 1500 Series (1505DM, 1510DM, 1520DM, 1530DM, 1550DMT, 1560DM, 1571DM, 1573DM, 1580DMT, 1585DMT, 1590DMT,1592DMT, 1598DMT,)

Compaq Armada 1700

Compaq Armada 3500 Series

Compaq Armada 4200 Series (4210, 4220, 4230)

Compaq Armada 7300 Series (7330T, 7350MT, 7360DMT, 7362DMT, 7370DMT, 7380DMT)

Compaq Armada 7400 Series

Compaq Armada 7700 Series (7710MT, 7730MT, 7750MT, 7770DMT, 7790DMT, 7792DMT)

Compaq Armada 7800 Series

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Compatibility List (cont.)

Compaq Presario 1600 Series (1610, 1620, 1621, 1622, 1670, 1672, 1680, 1681)

Compaq Presario 1900 Series (1900, 1900T, 1920, 1925)

Compaq Prosignia 160

Compaq Prosignia 165 Series

Dell Inspiron 3000

Dell Inspiron 7000

Dell Latitude CP

Dell Latitude CPi A

Dell Latitude LT

Dell Latitude XPi CD (P150)

Digital HiNote Ultra 2000 MMX (VTX5166M, GTX 5166M)

Digital HiNote VP500 series (550,560,562,565, 567,575) - CardBus

Digital HiNote VP700 (735)

Fujitsu E Series (E330, E335, E340, E350, E351, E360, E370)

Gateway Solo 2300

Gateway Solo 2500

Gateway Solo 3100

Gateway Solo 5150

Gateway Solo 9100

Compatibility List (cont.)

Gateway Solo 9150

Hitachi VisionBook Pro 7300 Series (7340)

Hitachi VisionBook Pro 7700 Series (7755)

HP OmniBook 2000 Series

HP OmniBook 2100

HP OmniBook 3000

HP OmniBook 3100

HP OmniBook 4100

HP OmniBook 4150

HP OmniBook 5700

HP OmniBook 7100

HP OmniBook 7150

HP OmniBook 800CT (w/MMX)

HP OmniBook 900

HP OmniBook XE

HP OmniBook XE2

HP Sojourn

IBM ThinkPad 240

IBM ThinkPad 380XD

IBM ThinkPad 390

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Compatibility List (cont.)

IBM ThinkPad 390E

IBM ThinkPad 560X

IBM ThinkPad 560Z

IBM ThinkPad 600

IBM ThinkPad 760XL or 760XD

IBM ThinkPad 765D or 765L

IBM ThinkPad 770

IBM ThinkPad i 1700 Series (1700, 1721)

Micron GoBook 2

Micron Millennium TransPort XKE

Micron TransPort Trek 2

NEC Versa 5000 (5060, 5060X)

NEC Versa 6000H, 6030H, or 6030X

NEC Versa 6050MH/MX

NEC Versa 6200 (6220, 6230)

NEC Versa 6260

NEC Versa LX

NEC Versa Note

Sharp M Series (M100, M200, M200Z)

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Compatibility List (cont.)

Note: The Toshiba Satellite Family will work on the BusPort™
      Mobile but you cannot disconnect and reconnect the
      card while your Notebook is "ON."

Mac® Laptop List
PowerBook® 100 series

Duo (200 and 2300) 5300c and 500 series.

PowerBook® G3, 233, 250, 292 312, 314.

Information

FCC Statement

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY

We, Belkin Components, of 501 West Walnut Street, Compton CA 90220, declare under our sole responsibility that the product:

F5U022

to which this declaration relates:

Complies with Part 15 of the FCC Rules. 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.

CE Declaration of Conformity

We, Belkin Components, declare under our sole responsibility that the F5U022, to which this declaration relates, is in conformity with Generic Emissions Standard EN50081-1 and with Generic Immunity Standard EN50082-1 1992.

Belkin Components Limited Lifetime Product Warranty

Belkin Components warrants this product against defects in materials and workmanship for its lifetime. If a defect is discovered, Belkin will, at its option, repair or replace the product at no charge, provided it is returned during the warranty period, with transportation charges prepaid, to the authorized Belkin dealer from whom you purchased the product. Proof of purchase may be required.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication; if the product has been modified without the written permission of Belkin; or if any Belkin serial number has been removed or defaced.

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