



# USB Serial Adapter for Macintosh

## Installation Manual



F5U03-MAC  
P72764

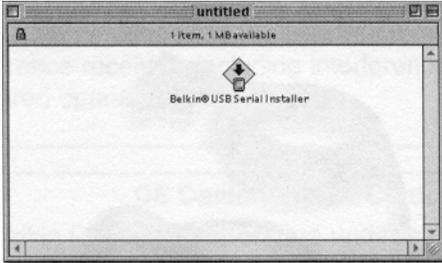
## Software and Hardware Installation

*Step 1: Insert the CD into your CD-ROM drive.*

Place the CD into your CD-ROM drive. When the CD icon appears on your desktop, named Belkin USB to Serial, double click on the icon to display it's contents.

### **Step 2. Installer**

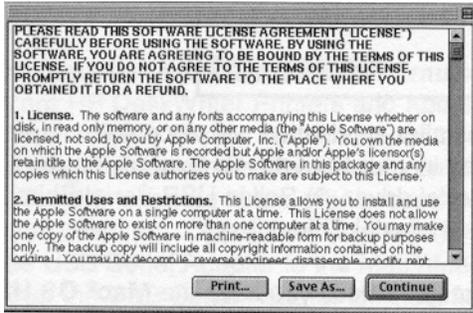
2.1. Double click on the icon named Belkin **USB** Serial Installer.



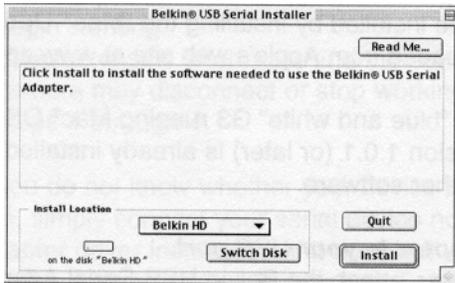
2.2. On the Belkin USB Serial Adapter screen click on Continue.



2.3. Please read the next screen regarding the software license agreement.  
If you agree to the terms of the license agreement, click Continue.



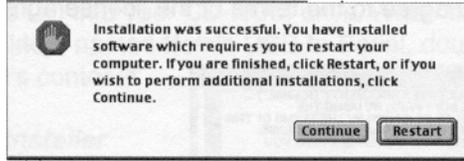
2.4. The screen that follows will now prompt you to commence installation. Click on Install.



2.5. A message will appear warning you to restart your computer after installation. Click Continue.



2.6. Click Restart to complete the installation. This will restart your computer.



The Belkin **USB** Serial Installer application will place 4 items on the Extensions Folder (located in your hard drive's **System Folder**), namely: 1) Belkin **USB** Serial driver 2) Belkin USB Serial Shim 3) Belkin **USB** Serial Hal 4) Serial Shim Lib.

**Note:** The installer will not run unless you have the **Mac OS USB version 1.0.1 (or later)** drivers installed.

If you have an **iMac** computer running Mac OS 8.1, the Mac' OS USB drivers version 1.0.1 can be installed by installing the **iMac Update 1.0**. This update can be downloaded from Apple's web site at [www.apple.com](http://www.apple.com).

If you have an **iMac** or a "blue and white" G3 running Mac OS 8.5\8.6, the Mac OS USB drivers version 1.0.1 (or later) is already installed. You do not need to install any further software.

*Step 3. Connect the adapter to your USB port.*

After restarting the computer, attach the Belkin USB Serial Adapter for Macintosh to your Macintosh computer by connecting the adapter and the USB device cable (Part # F3UI33-06) to any built-in USB port on your Macintosh computer or any USB hub. It is not necessary to turn off your Mac when attaching the Belkin USB Serial Adapter.

*Step 4. Installation Complete!*

Your Belkin USB Serial Adapter for Macintosh" is now ready for use.

## Connecting Serial Devices

After installing the USB Serial Adapter driver and restarting the computer, you can connect the USB Serial Adapter. First connect the USB Serial Adapter to the computer, then connect a Serial device to the USB Serial Adapter. The Serial device is now ready for use.

### **Special Instructions for users using Mac OS 8.1 and 8.5.**

If you are using Mac OS 8.1 or 8.5, you will need to specify the port that your device requires either Printer Port or Modem Port. Some serial devices require **Printer Port Emulation** to work (some examples are HP DeskWriter Printers and Kodak and Epson Cameras). These devices require Printer Port Emulation to work because their drivers can only recognize the Macintosh computer printer port. For these devices the following connection procedure should be followed:

1. Hold down the "Option" key on the keyboard while connecting the USB Serial Adapter to the Mac/iMac computer.
2. After the USB Serial Adapter for Macintosh is connected, then release the "Option" key.
3. Connect the printer, camera or serial device to the USB Serial Adapter.
4. Run the printer or serial device software and the devices should begin working.
5. In some cases, after restarting the computer, the printer or camera may disconnect or stop working. To reconnect, repeat steps 1 through 4.

**Note:** If you do not know whether your device requires Printer Port Emulation, simply connect your serial device normally after the USB Serial Adapter driver installation. If it does not work initially, it is possible that the serial device requires Printer Port Emulation. If so, follow steps 1 through 4 listed above.

**For Mac 8.6 users you do not need to do the above instructions. Mac OS 8.6 has advanced USB support, it automatically detects and installs the port emulation needed by your device. After the installation of the Belkin USB Serial Adapter driver, just connect the USB Serial Adapter to the computer, then connect a Serial device to the USB Serial Adapter and you are ready to use it.**

## Belkin Printer Patcher

This version of the driver includes the Belkin™ Printer Patcher that patches certain printer drivers to make them compatible with the Belkin® USB Serial Adapter. These printer drivers are the HP DeskWriter 600 Series, HP DeskJet 800 Series, and Apple Color StyleWriter 4000. These patches are required in order to let these printers operate with the USB Serial device.

If you are using the HP Deskwriter 600 Series, HP DeskJet 800 Series, or Apple Color StyleWriter 4000, do the following: (Note: For all other serial devices, please refer to the User Guide for Installation.)

1. Double-click on the Hard Drive icon on the Desktop to open it.
2. Double-click on the Belkin® Printer Patcher located in the root directory.
3. Click on Patch from the menu bar, and then select Patch Another Printer Driver.
4. Select the Printer driver from the list, and then click on the Choose button.
5. A dialog box 'Modification was successful' will appear. Click OK.
6. The Belkin® Printer Patch installation is now complete.
7. You can now start printing.

**Note:** It is recommended that you upgrade your operating system to Mac OS 8.6 as it has advanced USB support.

## Belkin USB Serial Adapter Uninstall

1. Double click the Hard Drive Icon on your desktop
2. Double click the System Folder
3. Double click the Extensions folder
4. Look for the following files listed below then drag to the Trash:
  - a) Belkin USB Serial Driver
  - b) Belkin USB Serial Shim
  - c) Belkin USB Serial Hal
  - d) Serial Shim Lib
5. The Belkin USB Serial Adapter is removed, restart your computer.

## Known Issues

**Palm HotSync:** The iMac will pause for a minute during HotSync. The manufacturer has identified this problem. An updated driver is available for download at [www.paimpilot.com](http://www.paimpilot.com).

**Zoom Modem:** Zoom Modem has newer modem scripts on their web site. If the printer port emulation is enabled, Apple's Control will not list the adapter because Apple's Open Transport Networking does not support dial-up Internet connections via the printer port. Note that modem cables used with the adapter must support the DCD (carrier detect) signal on it's own pin. The Belkin MiniDIN 8 to DB9 adapter, (Part # F31661-06INCH) works with the appropriate Mac Modem cable.

**Kodak DC-210:** While transferring the picture you may get an error "Picture transfer Application has encountered the error - SDK: Error communicating with the camera" while processing picture "DC91453.FPX". Just select "Retry" to resume picture transfer. Transferring a FlashFix image using the Kodak Picture transfer application can often lead to a message about losing communication with the camera.

## Compatible Devices

### *PDA Devices*

Palm V  
Palm III  
Palm Pilot  
Newton  
Psion

### *Dial-up/ ISDN Modems*

All Brands  
Ricohet Wireless Modem

### *Graphic Tablets*

Wacom Intous (serial)  
Wacom Artz 11 (serial)

### *Digital Cameras*

AGFA  
Apple Quicktake  
Epson  
Kodak  
Leica

Nikon CoolPix  
Olympus  
Sanyo  
Toshiba  
Fujifilm

### *Printers*

Apple Style Writer I	HP DeskJet 850	HP DeskJet 855Cse
Apple Style Writer II	HP DeskJet 855C	HP DeskJet 870C
Apple StyleWriter 1200	HP DeskJet 870Cse	HP DeskJet 870Cxi
Apple StyleWriter 4100	HP DeskWriter	HP DeskWriter 510
Apple StyleWriter 4500	HP DeskWriter 520	HP DeskWriter 540
Epson 300 series	HP DeskWriter 550C	HP DeskWriter 560C
Epson 500 series	HP DeskWriter 600	HP DeskWriter 660C
	HP DeskWriter 680C	HP DeskWriter 690

**Note:** We are constantly adding support to serial devices, especially printers. Please visit our web site at [www.belkin.com](http://www.belkin.com) for updated listing of compatible devices and for any future updates to our current driver.

**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:

**Belkin Components F5U003-MAC**

to which this declaration relates:

Complies with Part15 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

**Belkin Components F5U003-MAC**

to which this declaration relates, is in conformity with General Emissions Standard EN50081 -1 and with Generic Immunity Standard EN50082-1 1992.



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