



# **USB 2.0 Hi-Speed 4-Port Hub User Manual**



**P73965**

**F5U224**



# Introduction

Please read this manual thoroughly and follow the procedures to prevent any damage to the 4-Port USB 2.0 Hub and/or to the connected devices.

Congratulations and thank you for purchasing the Belkin 4-Port USB 2.0 Hub (the Hub). The Hub provides four downstream USB ports that are compatible with both USB 1.1 (low- and full-speed) devices, as well as with USB 2.0 (high-speed) devices.

This means that the Hub is “backward-compatible” with all of your current USB 1.1 devices and also works with the next generation of “high-speed” USB 2.0 devices. This may include such peripherals as scanners, printers, mass-storage devices, and high-resolution cameras. The Hub is self-powered, which allows the cascading of devices with additional hubs, so that up to 127 USB devices can be connected to a single port. The Hub also provides a multicolored status LED for each individual port, and a master power LED that indicates the Hub is powered and ready to use. For additional information, refer to the “Technical Specifications” section.

# Features

- Compliant with Universal Serial Bus specification 2.0 (data rate 1.5/12/480Mbps)
- Backward-compatible with Universal Serial Bus Specification 1.1 (data rate 1.5/12Mbps)
- Compatible with Windows® 98SE, Me, 2000, and XP
- USB Implementers Forum (USB-IF) approval
- Plug-and-Play technology
- Support for “hot swapping” of USB devices
- Per-port over-current detection and protection
- Individual port-status indicator LEDs
- Four 480Mbps downstream ports
- Fully compatible with USB 1.1 and USB 2.0 devices

## Package Contents

- |     |                               |        |
|-----|-------------------------------|--------|
| (1) | USB 2.0-compliant 4-Port Hub: | F5U224 |
| (1) | USB Device Cable              |        |
| (1) | AC Power Adapter              |        |
| (1) | User Manual                   |        |

## Technical Specifications

<b>Upstream Ports:</b>	(1)
<b>Downstream Ports:</b>	(4)
<b>Per-Port Voltage:</b>	DC +5V
<b>Per-Port Current:</b>	500mA (max.)
<b>Power Mode:</b>	Self-powered
<b>Operation Temperature:</b>	5°C~40°C
<b>Storage Temperature:</b>	-20°C~60°C
<b>Enclosure:</b>	Plastic
<b>Power Supply:</b>	Input: 120V AC Output: DC 6V 2.5A Plug Size: 5.5mm (outer) 2.1mm (center) Plug Polarity: Center Positive

## Technical Specifications (continued)

### Main Power LED

#### Color Definitions:

Off	Not operational
Steady Red	Operational

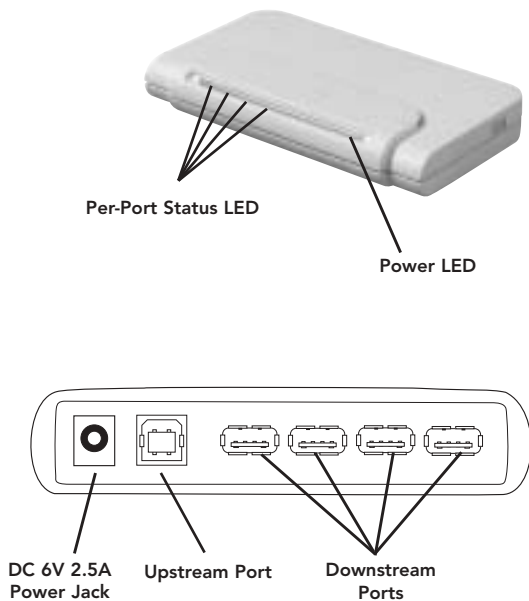
### Port-Status LED

#### Color Definitions:

Off	Not operational
Amber	Error condition
Steady Green	Fully operational
Blinking Off/Green	Software attention
Blinking Off/Amber	Hardware attention

# Product Detail

Figure 1



## Hardware Installation

1. Plug the AC adapter into a wall outlet or surge suppressor. Plug the DC connector into the DC power jack found on the back of the Hub (See Figure 1).
2. Plug the USB-A cable connector into the downstream port of your computer, or downstream port of another hub. (See Figure 2).

**Important Note:** The Hub must be connected to a USB 2.0-compliant host in order to function in high-speed mode (480Mbps data rate). If connected to a USB 1.1-compliant host, the Hub will operate only in low-or full-speed mode (1.5/12Mbps).

3. Plug the USB-B cable connector into the upstream port of the Hub (See Figure 3).
4. Windows will now detect your Hub and install the necessary driver support. (The Windows "Install New Hardware Wizard" may prompt you to provide your Windows Installation CD to complete the driver installation process).
5. Plug the USB-A connector of the USB device, or an additional hub, into any of the downstream ports of the Hub. (See Figure 4).



## Hardware Installation (continued)



USB-A Connector  
Figure 2



USB-B Connector  
Figure 3

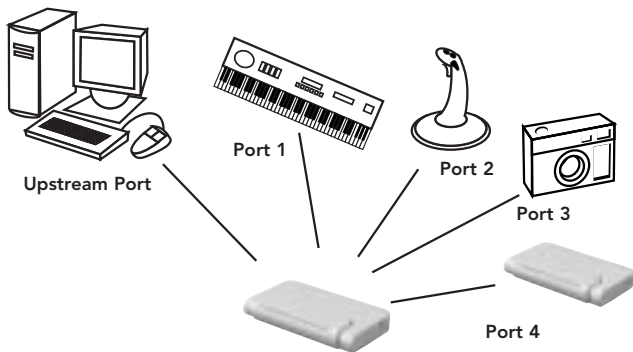


Figure 4

# 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:

F5U224

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 F5U224, to which this declaration relates, is in conformity with Generic Emissions Standard EN550022 1998 and with Generic Immunity Standard EN550024 1998, EN61000-3-2, and EN61000-3-3.

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