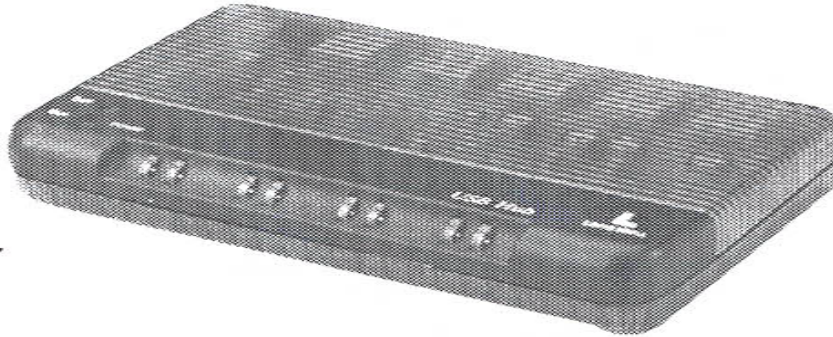


USB HUB

4 PORT USB HUB

FCC ID: I2CLW-931



INSTRUCTION MANUAL

1

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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1. Introduction

This hub is an expandable way to increase the number of USB ports on your system.

It is a full power hub; therefore all USB compatible peripherals can be plugged into a Long Well Hub.

Installation has never been so easy for this USB hub.

Step 1:

Check and make sure your package contains the following:

Hub

Power Adapter

5 feet (1.5m) USB cable to plug the hub into your PC or another hub.

This instruction manual.

Step2:

Make sure your PC supports USB.

Please double-check the manuals that came with your PC. If you are absolutely sure that your PC supports USB, you can skip this step and go right to the simple installation procedure.

You need at least 1 USB port and Windows 95b or Windows 98 or iMac with Mac OS to use any USB device. Windows 95 must be OSR2.1 version 1214, which contains the USB supplement. Note that while some PCs may have USB ports, those ports may have been disabled by the manufacture. If you plug the hub and nothing happens, there is a USB evaluation utility available on the World Wide Web that can tell if your PC is USB ready.

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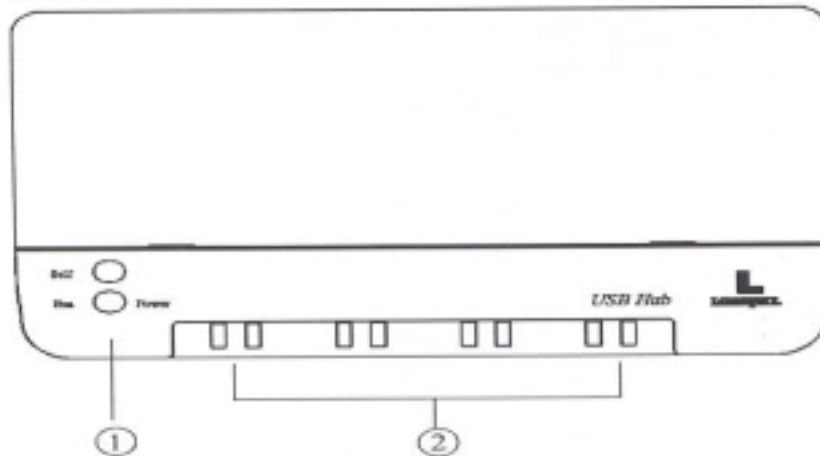
2. Features

- Four downstream ports and one upstream port.
- True Plug and Play and hot-plugged with any USB equipped device.
- Meet or exceed all USB specifications. 500mA per port. Individually switched and managed power. Over current protection and automatic recovery on all ports.
- Autosense and autoselect between self-powered mode and bus-powered mode.
- Two LED indicators for power status and two LED indicators for each port that facilitate troubleshooting.
- Complies with Universal Serial Bus specifications Rev. 1.1

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3. Guide of the HUB

Front:



① Power LED

Bus : Indicates the power come from your PC system. The power adapter is not required if you only use low power peripherals.

Self : Indicates the power come from your AC adapter. The power adapter is required if you will use high power peripherals.

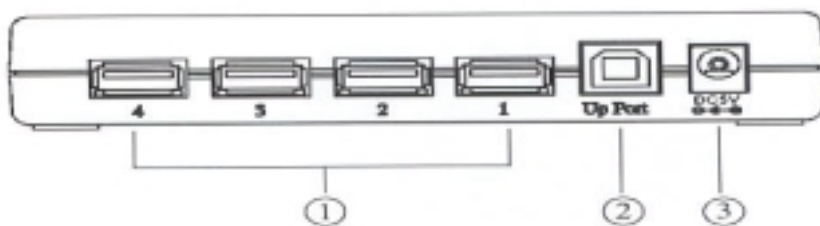
② LED1~4

Green LED: Indicates the corresponding port is active and ready.

Red LED: Indicates the corresponding port is faulty or an overcurrent situation has occurred.

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Back:



① Downstream Port (1~4)

Plug your USB peripherals or another hub's USB cable into any one of these ports.

② Upstream Port

Plug the accompany USB cable into this port and the other end of the cable into pc system USB port or another hub's downstream port.

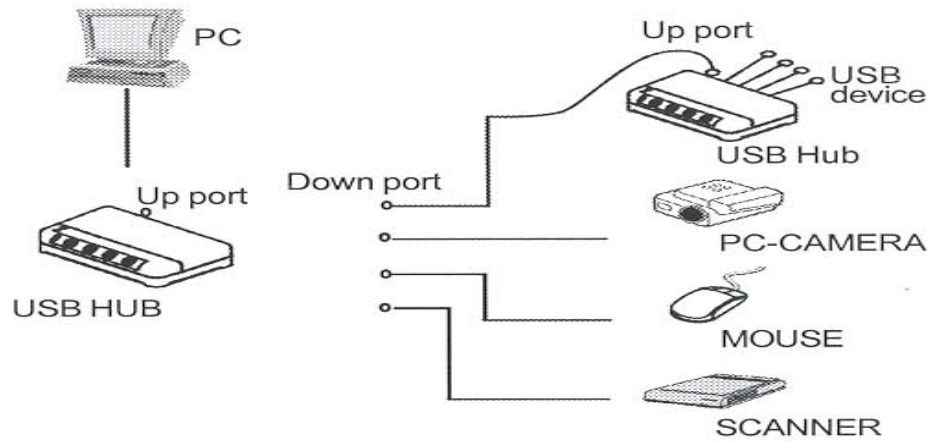
③ Power Socket

Plug AC Adapter into the socket.

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4. Hub Installation and set up

A. Typical configuration:

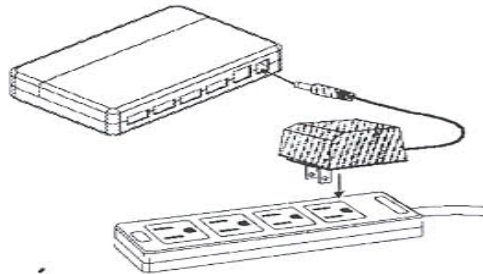


Your Long Well Hub is "hot-pluggable" meaning you can plug it in at any time, even when your PC is on.

If you will be using USB peripherals such as a PC camera, a scanner or a printer which require high current you will need to plug the power adapter into your Hub and into a power outlet.

For low power devices such as a mouse or a joystick, power adapter is not required. In such cases all the power came from your PC. 7

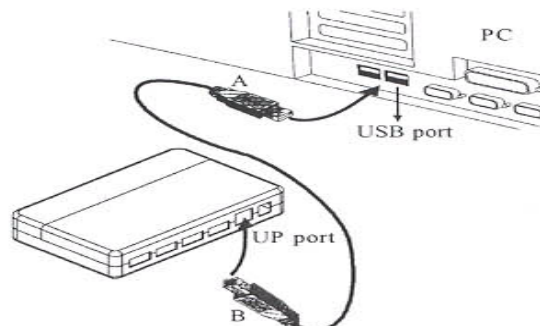
B. Plug in power adapter (if necessary)



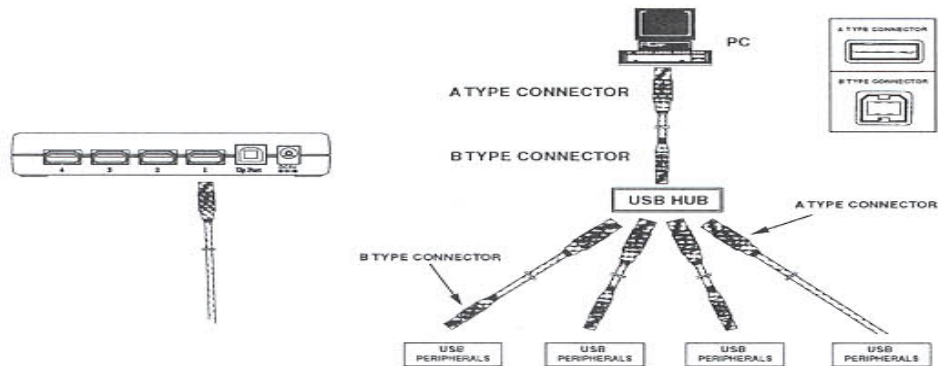
* Confirm that the cable you have just installed is properly connected.

C. Connection between USB Hub and PC system

Plug your hub into your PC using the 6-foot USB cable.



D. Connect your USB peripherals to USB Hub



The RED power LED will turn on when the power is plugged in and the USB cable from the hub is connected to the PC. Your operating system on PC will detect the hub's presence when the hub is connected to your PC. For the first time the hub is installed, the operating system will ask you for the optical disk to load the USB device driver into the system. Follow the instructions that show on your system monitor, and install the proper driver. When the installation is completed the GREEN LED for each port will turn on when a device is plugged into the port.

If your system supports USB, you don't have to load software to use your Long Well Hub. However, some USB devices may require their own drivers. Please refer to the device manufacture's instructions for more information.

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5. To find out if your PC supports USB, do the following:

Under Windows 98(95) desktop

Go to **Start** menu → select **set-up** → select **control panel**

Double-click on system icon

a. Select **Device Manager tab**

Double-click on Universal Serial Bus Controller

If the screen shows

USB Universal Host Controller and USB Root Hub

then your PC is USB ready.

If no USB Host Controller found, then the necessary hardware, USB Host Controller, has not been detected. If this is the case, or you do not have USB connectors on your PC, you will need to purchase the PCI to USB upgrade kit to make your PC USB ready. The card is inexpensive and very easy to install.

b. Select **General tab**

if the system software support window reads:

"Windows 95 version 4.0.1111" which is Windows 95 OSR.2, you will need to upgrade your Windows 95 version by installing the USB supplement. Please call your PC manufacture to obtain this upgrade or upgrade to Windows 98.

Note that Windows 95 version 4.095 or 4.095a does not support USB. If you have these versions you will need to buy Windows 98 to get USB support.

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6. Q & A

Problem: all LEDs are off.

Solution:

1. Check to see if the USB cable from the hub is plugged into the PC.
2. Make sure the PC is not suspended or off.

The hub may be reset by unplugging it from the PC's USB port and plugging it back in.

Problem: a single Green LED is off.

Solution:

1. The device connected to the port may have failed due to over-current or been shut down by Windows. Disconnect the device. If the LED does not come on reset the hub by unplugging it from the PC's USB port and plugging it back in.
2. If the LED does not come on, you may have to reboot your PC because some early versions of the Windows may not have cleared the port.
3. If the LED continues to go out, the device you are plugging into it may be defective.

Problem: nothing happens when the hub is plugged into the PC.

Solution:

1. Make sure the power is plugged in.
2. Even if it has USB ports, your PC may not support USB because the manufacture did not turn the ports on. Please refer to the "To find out if your PC supports USB" section or call your PC manufacture.

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7. Specification:

USB Specifications	Revision 1.1
Interface	Upstream port(B type): 1 port Downstream port(A type): 4 port
Power	PC: DC5.0V 500mA AC adaptor: DC5.0V, 2A
Environment	Temperature: 0°C ~ 70°C Relative Humidity: 10% ~ 90% non-condensing
Dimension	(W)130 x (D)79 x (H)24 mm
Weight	121g(without adaptor)

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