USER's Guide

Universal Serial Bus HUB

REGULATORY STATEMENTS

FCC Certification

Part15, Class B
FCC ID: **MQ4UH400A**

The United States Federal Communication Commission
(FCC) and the Canadian Department of Communications
have established certain rules governing the use of electronic
equipment.

FCC Part 15 Registration

This device complies with Part 15 of FCC rules. Operation is
subject to the following two conditions:

1)This device may not cause harmful interface, and

2)This device must accept any interface received, including
   interface that may cause undesired operation. 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 against harmful interference in a
   residential installation. This equipment generates, uses and
   can radiate 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 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 distance between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

User's Guide

Introduction

Welcome to the Universal Serial Bus (USB) HUB, an easy plug and play external simple device that allowed your computer to connect to USB Interfaced monitors, printers, digital speakers, modems, digital cameras, joysticks or multimedia equipment.

Technology Overview

Universal Serial Bus (USB) technology is an instant and no-hassle solution for computer users who have ever dreamed about to connect their computers to many computer peripherals. Up to 127 USB devices can be connected all together in this way. All you need is just to plug them in and turn them on. USB will configure everything for you automatically. From now on, you don't need to worry about opening up your

computer case, add-on cards, DIP switch setting or IRQs.

Other key features about USB are "hot-swap", Automatic Power sensing. This user's guide is only featuring USB Hub. If you like to learn more about USB and its advantages, please visit the following site for more details –

http://www.usb.org

UH-400 Your Unlimited USB Hub

The UH400 USB HUB is a 4 ports device to bridge the USB interfaced peripherals to your desktop computers or notebook computers. UH400 USB HUB complies with USB Specification Ver. 1.0. It offers you the flexibility of two data rates. The 12Mbps for devices that require increasing bandwidth and 1.5Mbps for low-speed device like game pads and joysticks. Every single one port of the hub allows to "daisychain" multi devices together.

Features:

- USB 1.0 specification compatibility
- Plug-n-play with USB devices
- Support Bus-power mode and Self-power mode, indicated by LED
- Support 1 upstream and 4 downstream USB ports
- 6 LED indicators for HUB status

Package Contents:

- UH400 USB HUB
- One USB cable
- One Power Adapter DC 6V (2.1A)
- User's guide

Hardware Installation

Installation of the USB Hub is easy. Two different methods to install the hardware – Bus powered and Self-powered. You can choose

either one of them to install your USB Hub.

Power Mode Selection

Please read this note carefully before you select the power mode.

For Bus Powered mode, UH400 provides 500 mA in total for all four downstream ports . Each downstream port shares with 100mA current. Any USB device consumes more than 100mA , the device may not able to be turned on. Then you should select Self-powered mode to power up the device.

For Self-Powered mode, each downstream port is 500mA (max) supplied. This power is sufficient enough to support most of the USB devices.

Using Bus Powered

1. Plug the B-type connector into the "Up Port" **(See Fig I)**
2. Plug the A-type connector into the PC

site **(See Fig II)**

3. Connect USB devices to the Hub:
   Down 1 - Down 4 **(See Fig III)**

Using Power Adapter

1. Plug the DC plug into DC jack
   located on the back panel of the Hub
2. Plug the AC adapter into an electronic
   outlet
3. Plug the B-type connector into the
   "Up Port" **(See Fig I)**
4. Plug the A-type connector into the PC
   site **(See Fig II)**
5. Connect USB devices to the Hub :
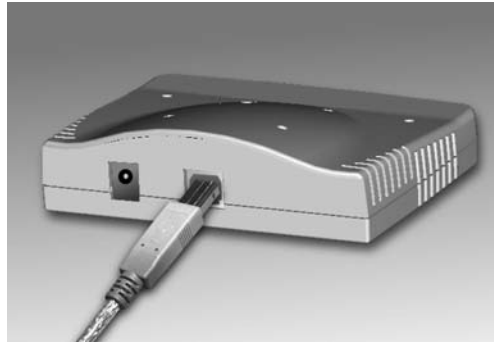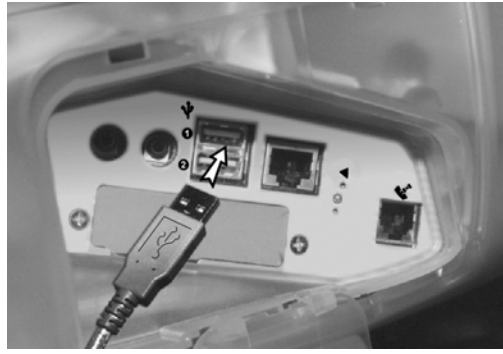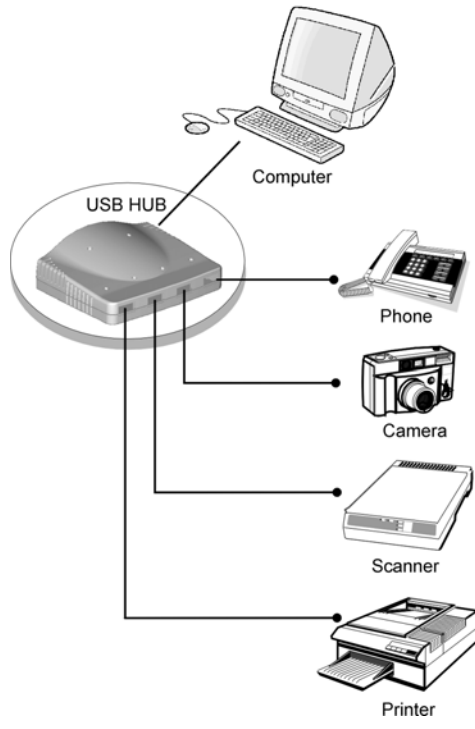   Down 1 - Down 4 **(See Fig III)**

Fig I

Fig II

Fig III

LED indication

UH400 equips with 6 LED indicators. Here is the definitions –

	Power	**LED 1 : "Green" – Bus-Powered** **LED 2 :"Orange" – Self-Powered**
	Port Status	**LED 3 : Green – Active state** **LED 4 : Green – Active state** **LED 5 : Green – Active state** **LED 6 : Green – Active state**

USB Port Pin Assignment

Pin 1	**+5V**
Pin 2	**Data -**
Pin 3	**Data +**
Pin 4	**Ground**

Physical Dimension

10.2 cm x 7.4 cm x 2.6 cm

Environment

Operating Temperature: 0 C to 70 C

Storage Temperature: -20 C to 80 C

Humidity: 0 to 95%, non-condensing

Certification:

FCC Class B , CE , VCCI