EUT:USB 4 port HUB

FCC ID:MQ4UH400A

AboCom Systems, Inc.

USER'S MANUAL

User's Guide

Introduction

Welcome to the world of USB HUB, a new venture for you to connect: monitors, printers, digital speakers, modems, digital cameras, joysticks or multimedia equipment, within one box which as easy as plug in a lamp. So, let's begin this fun and excitement of this whole new computing experience.

Technology Overview

Universal Serial Bus technology (USB) is the solution for computer users who have ever dreamed about an instant, and no-hassle way to connect peripherals. (Up to 127 USB devices can be connected together in this way) You just need 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 open your computer case, add-in cards, DIP switch setting or IRQs. It is just like adding instant new capabilities to your computer.

Other COOL staffs about USB are "hot-swapping", Automatic Power sensing, and USB Hub. This use's guide is featuring USB Hub. If you like to learn more detail about USB and its benefits, please check out the following site for more detail –

http://www.usb.org

UH-400 You Ultimated USB Hub

The UH400 USB HUB is the most convenience equipment to bridge the USB connectivity to you desktop. UH400 USB HUB complies with USB Specification Ver. 1.0 which gives you the flexibility of supporting TWO data rates – 12Mbps for

total. Each downstream port has about 100mA power. Any USB devices take

away more than 100mA power, the device may not able to be turned on. Then you should select Self-powered mode to power the device.

For Self-Powered mode, each downstream port has 500mA (max) power 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 locates 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)**

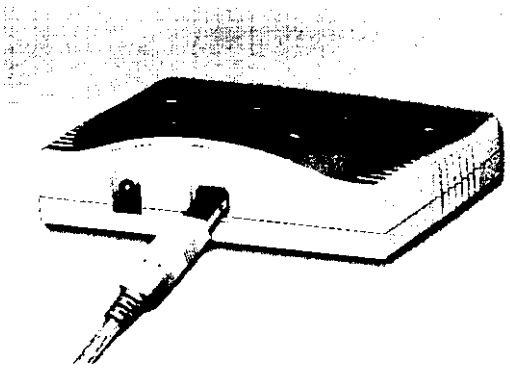

Fig I

LED indication

UH400 equips with 6 LED indicators. Here is its meanings –

LEDs	**Power**	**Green LED – Bus-Powered** **Orange LED – Self-Powered**
	Port Status	**Green LED – Active status**

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

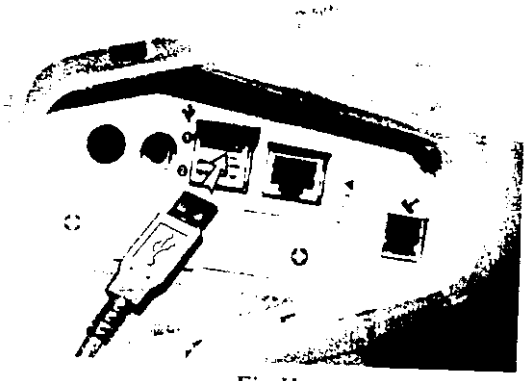

Fig II

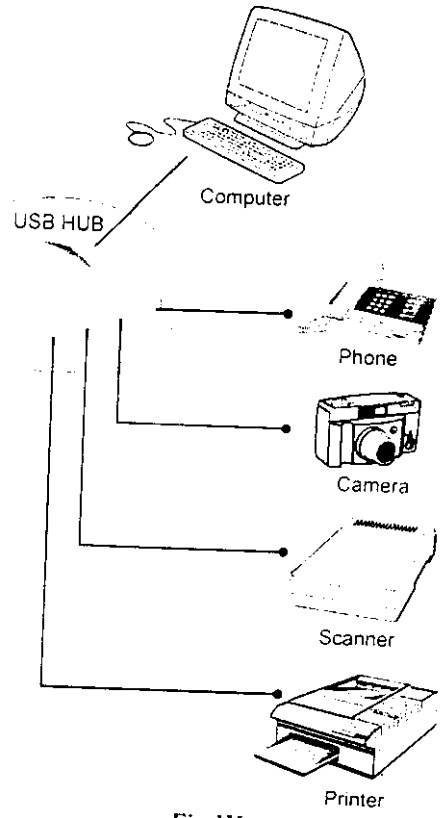

Fig III

devices requiring increased bandwidth, and 1.5Mbps for lower-speed devices like game pads and joysticks. And, its additional ports that allow you 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, indicate 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

Install the USB Hub is as easy as plug-in a lamp. Two different methods of install the hardware – Bus powered and Self-powered. You can choose either one of them to install your USB Hub.

Power Mode Selection

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

For Bus Powered mode, UH400 provides all four downstream ports with 500mA in

FEDERAL COMMUNICATIONS COMMISSION

This device 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.

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 o 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.