



USB Internet Keyboard User's Guide

Congratulations on your purchasing this USB Internet Keyboard. With convenient hot buttons featured for Internet, and one button for ACPI Power Management (specific models with this function), this USB keyboard is the best helper when you surf on the web by using Microsoft Internet Explorer 5.0 or later version.

Thereinafter is an overall introduction regarding this unique USB Internet Keyboard and its system requirement.

System Requirements

- ◆ Microsoft® Windows® 98, Windows® ME, Windows® 2000 and Windows® XP operating system
- ◆ Microsoft® Internet Explorer 5.0 or later version (for Internet buttons)
- ◆ The system supporting ACPI or APM II (for Power button)
- ◆ ATX mother board and ATX power supply (for Power button)
- ◆ USB HUB can only support USB device with current requirement within 100mA when the device is W/O an external adapter

Product Overview

This document describes the functional specification of standard USB keyboard and standard USB Hub keyboard. Its function is fully compatible with the Universal Serial Bus Specification Revision 1.1 as well as the Human Interface Devices (HID) class specification 1.1.

The USB Hub keyboard processes the keyboard input and interconnects with two or more downstream ports, which are for other USB devices to attach.

The chip in the USB Hub keyboard is a USB target device application, which follows the HUB specification in Chapter 11 and USB Device Framework defined in Chapter 9 of the USB Specification 1.1. It supports the device states of Attached, Powered, Default, Address, Configured and Suspended, Error recovery.


The USB Hub keyboard is a “high power, bus-powered device” instead of “self-powered device”, that is the electrical power of this keyboard is supplied by the computer host, not by itself.

USB Interface Features

- ◆ USB is a "must-have" feature in the current market.
- ◆ The instant way to expand your PC. You never to open your PC and you don't need to worry about add-in cards, DIP switch setting or IRQs.
- ◆ "Hot-swapping" feature: You don't even need to shut down and restart your PC to attach or remove a peripheral. Just plug it in and go!
- ◆ USB Hubs have additional ports that let you "daisychain" multiple devices together. Technically, you can connect up to 127 individual USB peripherals at one time in a PC system, such as: a digital joy-stick, a scanner, a set of digital speakers, a digital camera, a PC telephone, etc.

The ACPI Power Management Key and Function








The functions of the power management are specified and performed by Windows® 98, Windows® ME, Windows® 2000 and Windows® XP operating system, no vendor-specified driver is needed to use them, but the Windows® 98 operating system is necessary. There could be one or two or three ACPI power management keys on the keyboard, those functions are as follows.

	Power	Press this key and hold over four seconds to power down the system. Press this key and release it within four seconds to put the system to sleep.
---	-------	--

Internet Buttons

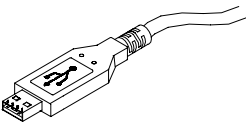

The number of the Internet buttons is depending on specific model. Those Internet buttons are used with Microsoft Internet Explorer 5.0. To have those buttons work under Windows 98, the KeyMaestro keyboard driver enclosed is needed to install. Please refer to the file readme.htm in the disk for installation.

When running under Windows 2000, Windows ME or Windows® XP, the Internet buttons are executed by Windows system. The KeyMaestro driver is no needed to install.

	Back	To return to the last page you viewed.
	Forward	To view the next page you viewed before.
	Stop	If a page you are trying to view is taking too long to open, click this button.
	Search	To gain access to a number of search providers.
	Web/Home	To start your Microsoft Internet Explorer 5.0 and bring up the home page you set.
	Favorites	To select a web page from your list of favourites.
	Mail	To open the default program you use for mail. If more than one email programs are installed, you may select Tools→Internet Options→Programs→Email to change the default setting from Internet Explorer.

USB Cable, Plug Contact Numbering & Ports

USB keyboard has a cable for sub-channel device and a series A plug, which fully comply with the USB specification 1.1.

Contact Number	Signal Name	Comment		
1	VCC	Cable power		
2	- Data			
3	+ Data			
4	Ground	Cable ground	USB plug	USB downstream ports

FCC GUIDELINES

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 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.
- ◆ Use only shielded cables to connect I/O devices to this equipment.

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, (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to User

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Shielded interface cable, if any, must be used in order to comply with emission limits.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are trademarks of their respective holders.

