

PS/2 KEYBOARD & MOUSE TO USB ADAPTER



USER MANUAL

UC-100KMA

Read this guide thoroughly and follow the installation and operation procedures carefully in order to prevent any damage to the units and/or any devices that connect to them.

This package contains:

- 1 UC-100KMA PS/2 Keyboard & Mouse to USB Adapter
- 1 User Manual

If anything is damaged or missing, contact your dealer.

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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 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 instruction manual, may cause 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 which the receiver is connected;
- ◆ Consult the dealer or an experienced radio/television technician for help.

2003-01-20

OVERVIEW

Universal Serial Bus (USB) port technology has emerged in response to the proliferation of external peripheral devices (keyboards, mice, scanners, digital cameras, removable drives, etc.), that are increasingly being connected to the latest generation of PCs. The USB behaves in a similar fashion to conventional bus ports (i.e., serial, parallel, PS/2), but is much faster, and since it does not require any IRQs, more devices can be attached to the system, and the problem of IRQ conflict is eliminated.

The UC-100KMA is a PS/2-to-USB Keyboard and Mouse interface converter. It allows PS/2 type keyboards and mice to connect to USB enabled PCs, notebooks, laptops, or handheld computing devices via the USB bus instead of using conventional bus technology. An advantage of this for notebooks, for example, is that now an external mouse and keyboard can be connected up at the same time without causing conflict.

Note: Since most computers only have one or two USB ports, USB hubs are often used to provide additional ports so that numerous USB peripheral devices can be connected up at the same time.

The UC-100KMA improves on previous designs by including easy to use Hotkeys for selecting your computer's operating system and keyboard language input.

For further convenience - especially to users of notebooks, laptops, and handhelds - the UC-100KMA Adapter derives its operating power from the Universal Serial Bus itself, so no bulky external power supply needs to be taken along. And because it is a USB Specification compliant device, the UC-100KMA supports energy-saving suspend and resume operations.

FEATURES

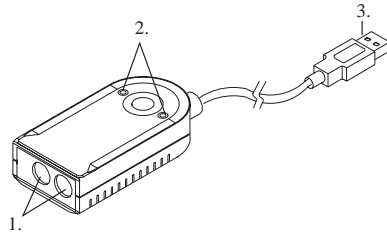
- ◆ Two PS/2 Devices (Keyboard and Mouse) to USB Interface Converter
- ◆ Supports PS/2 Mouse and Microsoft IntelliMouse
- ◆ Hotkey selection for OS and keyboard language
- ◆ Supports:
 - Windows98/98SE/2000/Me/XP;
 - Apple G3/G4/iMac systems w/OS 8.6 or higher;
 - Sun Blade servers 2000/100 (Sun Solaris 8)
 - Linux
- ◆ Built in Mouse Wake Up Function
- ◆ USB 1.1 Specification Compliant
- ◆ Easy Installation - No Software Required
- ◆ Bus Powered - External Power Adapter Not Required
- ◆ Compatible with KVM Devices

HARDWARE REQUIREMENTS

SYSTEM

- ◆ Windows 98/98SE/Me/2000/XP; Apple G3/G4/iMac systems w/OS 8.6 or higher; Sun Blade servers 2000/100 (Sun Solaris 8); and Linux
- ◆ USB Host Controller installed on the system.

TOP VIEW



1. Mouse and Keyboard Ports

The cables from the PS/2 Mouse and PS/2 Keyboard plug in here. The ports are marked with an icon to indicate which is which.

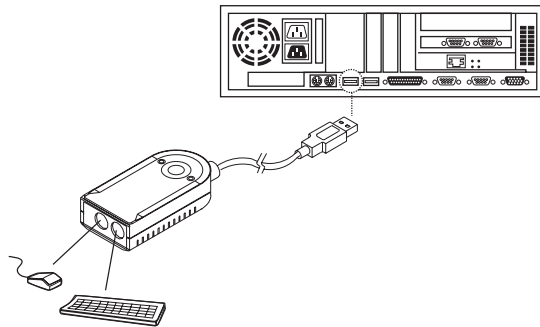
2. Mouse and Keyboard LEDs

LEDs light up when the keyboard and mouse are connected to the UC-100KMA, and flash when the keyboard or mouse is transmitting data packets.

3. USB A Type Connector

This connector plugs into the computer's USB port, or into a USB Hub that is connected back to the computer.

INSTALLATION



PC & Mac

1. Plug the PS/2 Mouse and PS/2 Keyboard into the appropriate connectors on the UC-100KMA adapter. The ports are marked with an icon to indicate which is which.
2. Plug the UC-100KMA's USB plug into the computer's USB port, or into a USB Hub that is connected back to the computer.
3. Power On the computer.
4. Use the mouse and keyboard as you normally would.

SUN

1. Plug the PS/2 Mouse and PS/2 Keyboard into the appropriate connectors on the UC-100KMA adapter. The ports are marked with an icon to indicate which is which.
2. Plug the UC-100KMA's USB plug into the computer's USB port, or into a USB Hub that is connected back to the computer.
3. Power On the computer.
4. Use the mouse and keyboard as you normally would.

OPERATION

With the UC-100KMA you can customize your keyboard language input as well as selecting your computers' operating system.

HOTKEY SELECTION

The UC-100KMA provides the following Hotkey Selection features:

- ◆ Operating System Selection
- ◆ Language Input Selection

Operating System and Language Selection

Hotkey operations begin by pressing and holding the Right Control key, then press and release the F12 key, then press and release *n*. [Right Ctrl] + [F12] + [*n*]

Where *n* represents the operating system and language, shown in the tables below;





Operating Sytem	Hot Key Combination
Windows	RCtrl+F12+W
Macintosh	RCtrl+F12+M
SUN	RCtrl+F12+S

K/B Language	Hot Key Combination
English & Japanese	RCtrl+F12+J
English & French	RCtrl+F12+F

KEYBOARD EMULATION MAPPINGS

SUN

The PS/2 101/104 key keyboard can emulate the functions of the SUN keyboard when the Right Control key (RCtrl) is used in conjunction with other keys. The corresponding functions are shown in the table.

PS/2 Keyboard	SUN Keyboard
RCtrl +S	Stop
RCtrl +F2	Again
RCtrl +F3	Props
RCtrl +F4	Undo
RCtrl +F5	Front
RCtrl +F6	Copy
RCtrl +F7	Open
RCtrl +F8	Paste
RCtrl +F9	Find
RCtrl +F10	Cut
RCtrl +1	
RCtrl +2	
RCtrl +3	
RCtrl +4	
RCtrl +H	Help

Note: Press and release the Right Control key, then press and release the Function key. e.g. [Right Ctrl]+[S]

SUN Wake Up Function

To initiate the wake up function for SUN Blade servers (100/2000);

1. Press the POWER key ([RCtrl] +[4])
2. Move the mouse OR press any key

Note: 1. If the server fails to respond click the left and right mouse buttons at the same time OR press the escape key to resume status.

2. Normal use of either the mouse or keyboard on SUN Microsystems will initiate the wake up function.

Mac

The keyboard emulation mappings from the Mac keyboard to the PS/2 keyboards (101 key and 104 key), are listed in the table below;

PS/2 Keyboard (101)	PS/2 Keyboard (104)	Mac Keyboard
L or R_Shift	L or R_Shift	Shift
L_Ctrl	L or R_Ctrl	Ctrl
R_Ctrl	R_Ctrl	⌘
R_Ctrl+1	R_Ctrl+1	🔊
R_Ctrl+2	R_Ctrl+2	🔊
R_Ctrl+3	R_Ctrl+3	🔊
R_Ctrl+4	R_Ctrl+4	⏮
L_R_Alt	L or R_Alt	L Alt/Option
Prt_Sc	Prt_Sc	F13
Scroll Lock	Scroll Lock	F14
Desktop Menu	Desktop Menu	=
Enter	Enter	Return
Back Space	Back Space	Delete
Ins	Ins	Help
L or R_Ctrl + Win	L or R_Ctrl + Win	F15

APPENDIX SPECIFICATIONS

Function		Specification
Connectors	USB	1 Type A Plug
	PS/2	1 Keyboard; 1 Mouse
Cable Length		30cm
OS Platforms		Windows98/98SE/2000/Me/XP; Apple G3/G4/iMac systems w/OS 8.6 or higher; Sun Blade servers 2000/100 (Sun Solaris 8); and Linux
Transfer Rate		12 Mbps
USB Specs		USB 1.1 compatible
Power Mode		Bus powered
Operating Temperature		0 - 50° C
Storage Temperature		-20 - 60° C
Humidity		0 - 80% RH Noncondensing
Housing		Plastic
Weight		80g
Dimensions (L x W x H)		82 x 55 x 23 mm

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM THE DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and specially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

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