

USB to PS/2 adapter GUC100KM USER MANUAL

Read this guide thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit and/or any of devices it connects to:

- 1 GUC100KM package contains:
- 1 USB PS/2 adapter
- 1 User Manual
- 1 Warranty Registration Card

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PKG-M0057

1. Welcome

Thank you for purchasing IOGEAR's USB PS/2 adapter. IOGEAR brings the cutting edge technology of USB to your Macintosh® and PC. You will enjoy the convenience that has made this technology an industry standard.

Note:

Your order has been carefully packaged and inspected, and we hope you are pleased with the IOGEAR product you purchased. Please inspect the contents of the package to ensure that you have received all items and that nothing has been damaged. If you discover a problem, please contact your dealer immediately for assistance.

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2. Minimum System Requirements and Features

- 1) Windows 98SE, 2000, ME, or XP
- 2) Mac OS 8.6 or higher
- 3) Sun Blade servers 2000/100 (Sun Solaris 8)
- 4) Linux
- 5) 300Mhz CPU
- 6) Available USB port

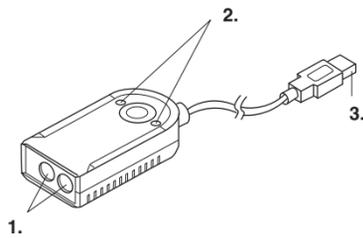
Product Features

- Two PS/2 Devices (keyboard and mouse) to interface converter
- Supports PS/2 mouse and Microsoft IntelliMouse
- Hot-key selection for OS and keyboard language
- 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

The GUC100KM improves on previous adapter designs by including easy to use Hot-keys for selecting your computer's operating system and language input. Because it is a USB specification compliant device, GUC100KM supports energy saving suspend-and-resume operations.

3. Introduction

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.

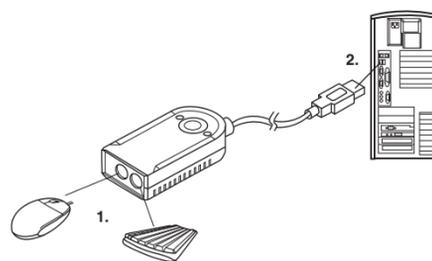
2. Mouse and keyboard LED's

LED's light up when the keyboard and mouse are connected to the GUC100KM and flash when the keyboard or mouse is transmitting packets.

3. USB Type A connector

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

4. Hardware Installation



PC, Mac and Sun

1. Plug the PS/2 mouse and PS/2 keyboard into the appropriate connectors on the GUC100KM adapter. The ports are marked with an icon to indicate which is which.
2. Plug the GUC100KM'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.

5. Operation

With the GUC100KM you can customize your keyboard language input as well as selecting your computer's operating system.

Hot-key selection

The GUC100KM provides the following Hot-key selection features:

- Operating system selection
- Language input selection

Operating System and Language Selection

Hot-key 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 System	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

6. 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+F1	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]=[F1]

7. 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.

8. Keyboard emulation mappings

Mac

The keyboard emulation mappings from the Mac keyboard to the PS/2 keyboards (101 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_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

9. Specifications

Function	Specification
Connectors	USB Type A Plug
	PS/2 1 Keyboard; 1 Mouse
Cable Length	42 cm
Power mode	Bus powered via USB cable
Transfer Rate	12 Mbps
Casing material	Plastic
Operating Temperature	5 ~ 40° C
Storage Temperature	-20 ~ 60° C
Humidity	0 ~ 80% RH

10. Radio and TV Interference

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

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