■ Introduction

The KNCS11 is an interface converter that transforms Sun computer's keyboard, mouse and video signals into PS/2 computer format. With a KNCS11, you are able to operate a Sun computer with a PS/2 keyboard, mouse and a VGA monitor. Coupled with a PS/2 KVM switch, Sun computers and PS/2 computers can be operated by a set of PS/2 console.

■ Features

- Supports hot-plug-and-play for PS/2 keyboard and mouse
- Power free operation
- Supports keyboard power-on simulation button for Sun computer

■ Specifications

Specification	
PS/2 console connector	
Keyboard	Mini-DIN6 (Female)
Mouse	Mini-DIN6 (Female)
Monitor	HDB15 (Female)
Sun computer connector	
Keyboard/mouse	Mini-DIN8 (Female)
Monitor	HDB15 (Female)
Sun computer power-on switch	1
VGA resolution	1920 x 1440
LED	
Combo key active	Yellow x 1
Compose + K/M activity	Green x 1
Enclosure	Metal
H x W x D (mm)	20 X 84 X 59

■ Installation

1. Turn off the Sun computer and connect the **PS/2 Console** ports of the KNCS11 as shown in figure 1 for the PS/2 keyboard, mouse and VGA monitor.
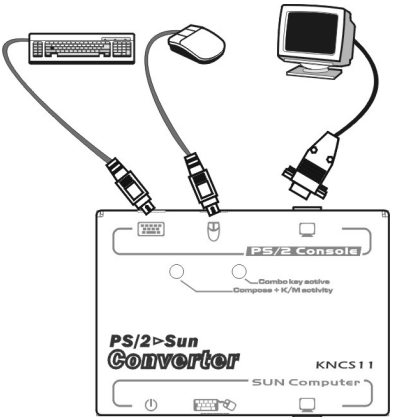

Fiigure 1

2. If the KNCS11 is used with a PS/2 KVM switch, the **PS/2 Console** ports are connected as shown in figure 2.
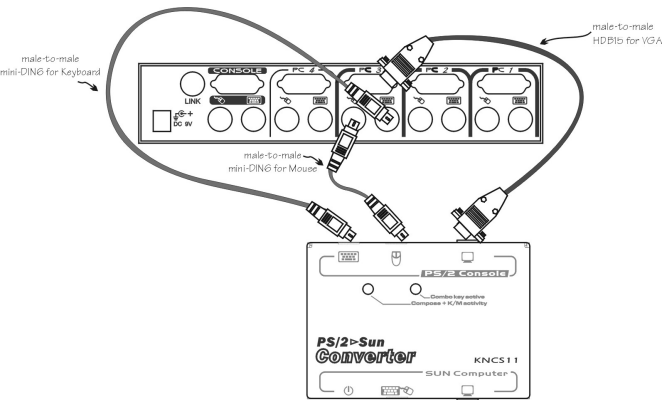

Figure 2

3. The connection for the **SUN Computer** ports is shown in Figure 4 using straight-through, 1-to-1, 2-to-2…8-to-8, mini-DIN8 male-to-male cable (shown in figure 3) for keyboard/mouse and male-to-male DB15 cable for monitor.
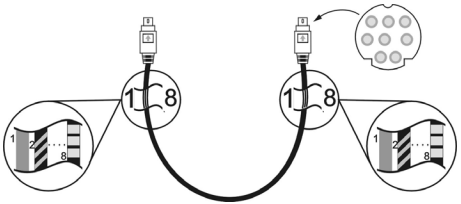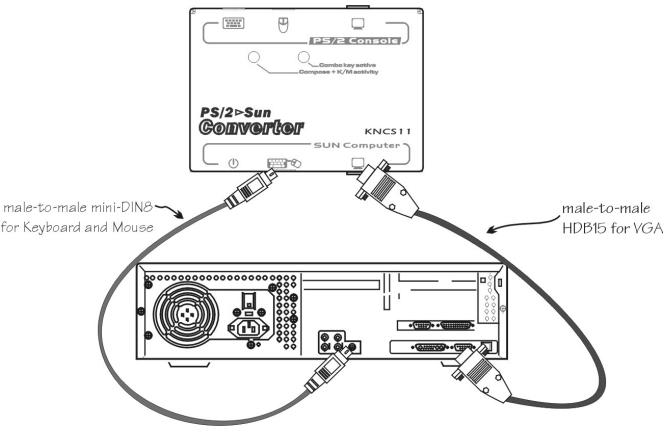

Figure 3

Figure 4

4. For Sun computer with 13W3 video port, a 13W3/male-to-HDB15/female adapter is required as shown in figure 5.
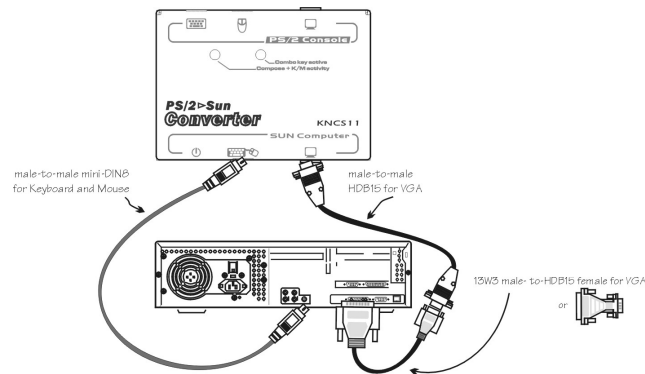

Figure 5

■ Operation

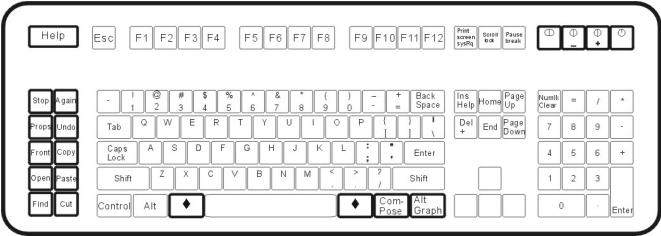The KNCS11 emulates a Sun's keyboard and mouse upon Sun computer boot-up.

The extra pushbutton on the side of the KNCS11 is used to simulate the power-on key on Sun's keyboard.

A Sun keyboard has more keys than a standard PS/2 keyboard. The extra key functions can be simulated by pressing the lower-right **Ctrl** followed by one of the function keys on a PS/2 keyboard (i.e. combo key). Refer to the following table for the keyboard mapping. For instance, tap the lower-right Ctrl key, then tap the function key F7 to activate Open for a Sun computer.
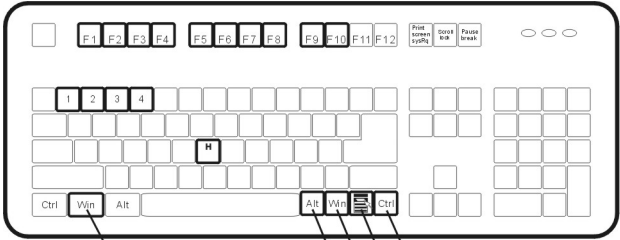
After the lower-right Ctrl is pressed, the **Combo key active** indicator lights up indicating the KNCS11 is waiting for another key to complete the simulation. The indicator goes off either after a simulation completes or after 3 seconds.

The **Compose + K/M activity** indicator is a replica for the **Compose** indicator on a Sun keyboard. The indicator flashes when there is either keyboard or mouse activity.

PS/2 keyboard	Sun keyboard
Ctrl F1	Stop
Ctrl F2	Again
Ctrl F3	Props
Ctrl F4	Undo
Ctrl F5	Front
Ctrl F6	Copy
Ctrl F7	Open
Ctrl F8	Paste
Ctrl F9	Find
Ctrl F10	Cut
Ctrl 1	⎓
Ctrl 2	⎓ −
Ctrl 3	⎓ +
Ctrl 4	⏻
Ctrl H	Help
Right **Window**	Right ♦
Left **Window**	Left ♦
Context key	Compose
Right **Alt**	Alt Graph

Sun Keyboard

PS/2 Keyboard

- Leading key for Combo key
- Compose
- ♦
- Alt graph

PS/2▷Sun
Converter

KNCS11

User's Manual