CSW-8   CompuSwitch w/8-Channel

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Acknowledgments

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Introduction

CSW-8, the CompuSwitch enables the efficient control of multiple computers, any combination of PC/ATs, and PS/2s from only one keyboard, monitor, and mouse. The CSW-8 is a 8-channel Model connects and controls up to 8 computers.
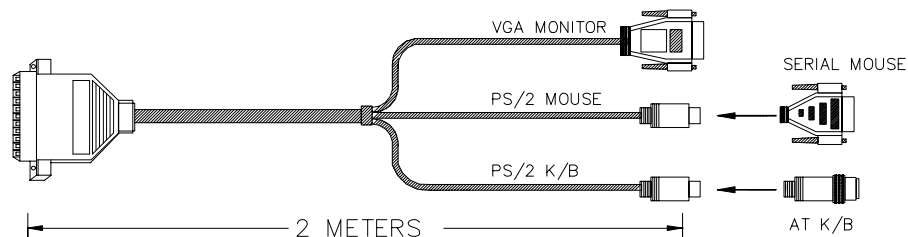
Features

1. Dedicated keyboard and mouse emulators to ensure automatic booting and proper operation of each computer.

2. VGA, SVGA, and XGA video support.

3. SCAN function to automatically cycle through all channels at a selectable scan rate from 1 to 16 seconds by using push buttons on the front panel and from 1 to 99 seconds by using Hot Key command.

4. SKIP function to automatically bypass channels without a powered computer connected.

5. Simple operation either from the CompuSwitch front panel or from the keyboard using Hot Key commands.

Specifications

Dimensions	482mm(W) x 193mm(D) x 44mm(H)
	19" (W) x 7.6" (D) x 1.73" (H)
Weight	9.5 Kg (20.9 lbs.)
Power	Powered by connected computer through the keyboard port.
DC Power Input	6V/500mA Adapter (optional)
Operating Temp.	0-50°C (32-122°F)

Accessory (Cable Kit)	There are 8 package inside one CSW-8
	Each Package includes one Cable & two DC Adapter
	Cable : DB25(M) to HD15(M)+2x mini-DIN6(M), Length :2M/6.5ft
	DC Adapter 1 : DIN6(F) to DB9(F) with screw
	          (PS/2 mouse transfer to serial mouse)
	DC Adapter 2 : DIN6(F) to DIN5(M)
	          (PS/2 Keyboard trnasfer to AT keyboard)

Installation

Connections are provided for either a 6-pin PS/2-style or a 5-pin Extended AT-style keyboard. Do not connect both keyboards simultaneously. Because the Hot Key Mode operation (page 6) requires full PS/2 keyboard functions, a PS/2-style or an Extended AT-style keyboard, which supports these functions, is recommended.

You may simultaneously connect PS/2 and AT computers to CompuSwitch with the appropriate cables. However, only a PS/2 mouse can be used with CompuSwitch to operate the computers. The following procedures will show you how to install the CompuSwitch :

1. Plug the monitor, keyboard, and PS/2 mouse into the ports marked VGA monitor,PS/2 or AT keyboard, and PS/2 mouse on the CompuSwitch rear panel. Refer to figure 1.
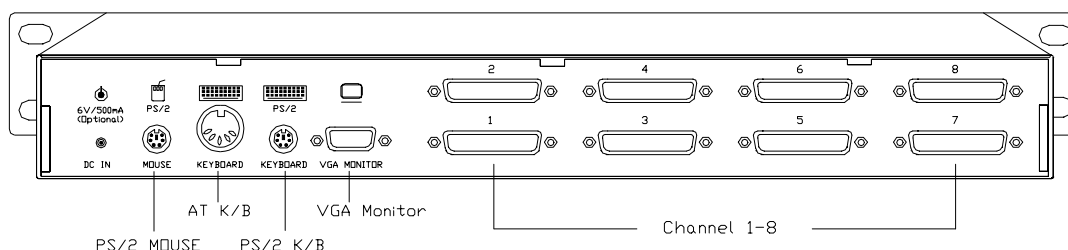

Figure 1: The rear view of CSW-8

Caution: Make sure that all computers are powered OFF before they are connected to CompuSwitch.

2. Using the appropriate CompuSwitch cable, connect the 25-pin connector to any channel on the CompuSwitch rear panel .
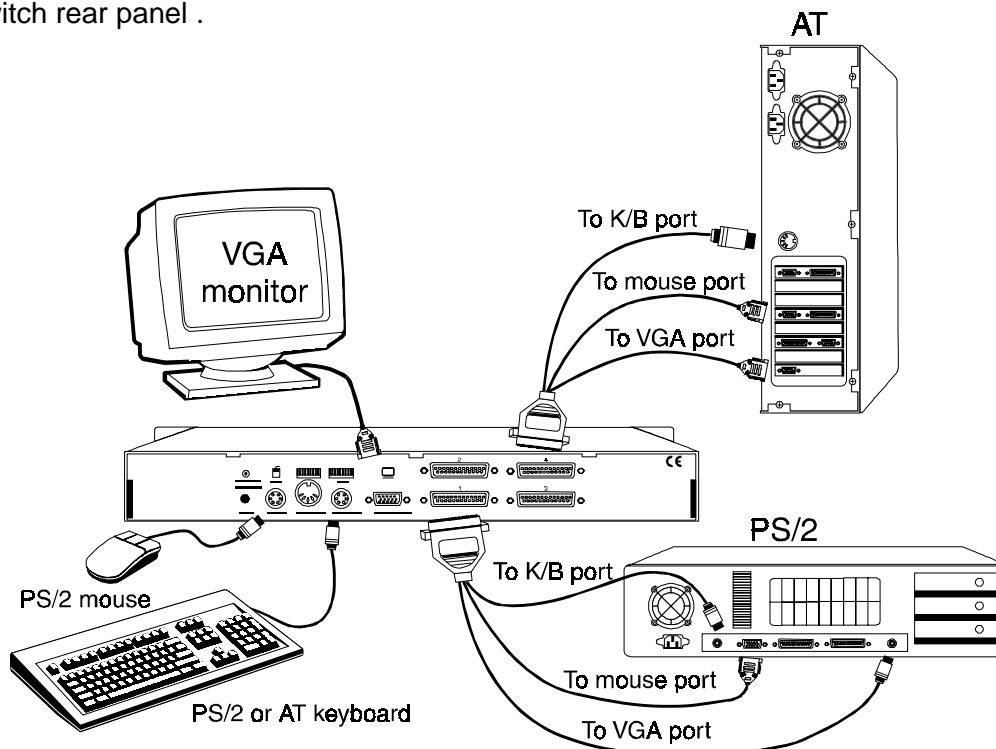

Figure2: CompuSwitch cable connections

3. Plug the cables: video, keyboard, and mouse connectors into the computer ports.

   Caution : CompuSwitch is automatically powered on when at least one connected computer is powered ON.

4. Power on the computer. Both the light above the Skip button and the light above the connected channel button on the CompuSwitch front panel will be on.

5. The video from the connected computer will be displayed on the monitor. Operate the keyboard and mouse as if they were connected directly to the computer.

6. After you have verified that one computer is functioning properly, connect the remaining com puters by following steps 2 to 4.
You may now begin using CompuSwitch.

Operation

Operate CompuSwitch from the front panel or directly from the keyboard using hot key commands. The lights on the front panel always indicate the operation status.

   Note: Numbered channel buttons have two functions. When the Scan light is OFF, the buttons are used to Select channels. When the Scan light is ON, the buttons are used to Set scan rate.

Front Panel Operation
The front panel of the CompuSwitch 8-channel model has buttons marked 1, 2, 3, 4, 5, 6, 7, 8 and buttons marked Scan and Skip.

Select a channel
The select a channel function selects the specific computer for viewing and operation. Ensure the light above the Scan button is off (toggle on/off). Press the button (1, 2, 3, 4, 5, 6, 7 or 8) corre-sponding to the desired channel. The light above the button will be on and the video from the computer connected to that channel will be displayed. You may now operate the computer using the keyboard and mouse.

Scan channels
Automatically cycles through the channels at a preselected scan rate, displaying each computer's video. Default scan rate is set at 3 seconds. To activate, press the SCAN button (toggle on/off). The light above the SCAN button will be on and the unit will begin scanning.

Set scan rate
Adjusts the scan rate interval. Activate the SCAN function. The light above the SCAN button will be on. Press the numbered button that corresponds to the desired scan rate. The light above the button will blink twice to acknowledge the setting and scanning will contiue at new interval set.

Skip
Restricts channel selection to active channels only (i.e., channels with powered computers con-nected). To activate, press the SKIP button (toggle on/off). The light above the button will be on and only active channels will be selected.

Hot Key Mode Operation

In Hot Key Mode, the CompuSwitch captures and interprets all keystrokes as front panel functions. No keystrokes pass to computer(s). Hot Key Mode operation requires the keyboard with Code Set 3 mode either a PS/2-style or an AT-style.

Activate Hot Key Mode

To activate Hot Key Mode, press <Scroll Lock> twice rapidly. The three LEDs (Num Lock, Caps Lock and Scroll Lock) on the keyboard will blink continuously, twice per second. CompuSwitch is now in Hot Key Mode. To quit Hot Key Mode at any time, press <ESC>.

Select a channel

Press <c> and then press the key with the channel number of the connected computer; press <ENTER>. The light above the corresponding button on the front panel will be ON to indicate the channel selected. For example, select channel 2 by pressing <c> <2> <ENTER>. You may also step through the channels up or down(increment or decrement). Press the "Up" or "Right" arrow to increment. Press the "down" or "Left" arrow to decrement. The light above the button will indicate the channel selected.

Scan channels

Press <s> (toggle on/off). When Scan is activated, the light above the Scan button will be ON and CompuSwitch will begin scanning.

Set scan rate

Press <s> and then press the key with the number that corresponds to the desired Scan rate (1 to 99 seconds). Press <ENTER>. A light above one of thenumbered channel buttons will blink twice to acknowledge the setting, and scanning will start at the new rate.

Skip

Press <k> (toggle on/off). When Skip is activated, the light above the Skip button will be ON and only active channels will be selected.
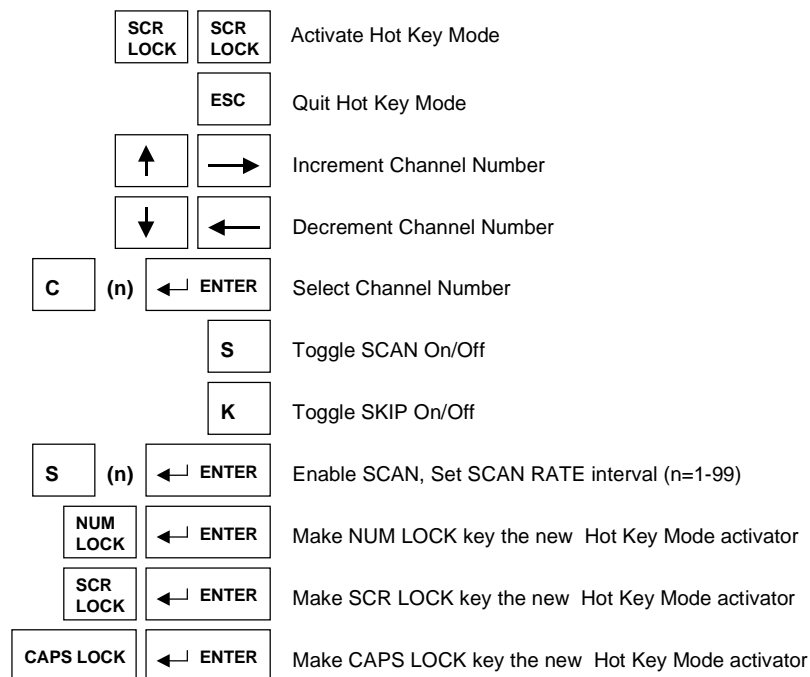
SCR LOCK · SCR LOCK		Activate Hot Key Mode
ESC		Quit Hot Key Mode
↑ · →		Increment Channel Number
↓ · ←		Decrement Channel Number
C · (n) · ← ENTER		Select Channel Number
S		Toggle SCAN On/Off
K		Toggle SKIP On/Off
S · (n) · ← ENTER		Enable SCAN, Set SCAN RATE interval (n=1-99)
NUM LOCK · ← ENTER		Make NUM LOCK key the new Hot Key Mode activator
SCR LOCK · ← ENTER		Make SCR LOCK key the new Hot Key Mode activator
CAPS LOCK · ← ENTER		Make CAPS LOCK key the new Hot Key Mode activator

Figure 3: CompuSwitch Hot Key reference Chart

Change the Hot Key Mode activator
To change the Hot Key Mode activator, first enter Hot Key Mode. Then press either <Scroll Lock>, <Caps Lock>, or <Num Lock>. Press <Enter>. The selected key will now be the new Hot Key Mode activator

Quit Hot Key Mode
To quit Hot Key Mode at any time, press <ESC>. The LEDs on the keyboard will stop blinking, and the keyboard reverts to normal function. If while in Hot Key Mode you do not operate the keyboard for 30 seconds, CompuSwitch automatically quits Hot Key Mode.

Dimensions

UNIT = mm

Figure 4: CompuSwitch dimensions