User's Manual

Mac Console Converter

Model #: B010-000

NOTE: Follow these installation and operating procedures to ensure correct performance and to prevent damage to this unit or to its connected devices.

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This device converts PS/2 Mouse, PS/2 Keyboard and PC Monitor signals into their corresponding Mac-ADB compatible signals for use by a Mac computer. Users can hot-plug the PS/2 Keyboard and the PS/2 Mouse at any time to operate the Mac. This converter supports a "Power ON/OFF" key to take the place of the "Power ON/OFF" key of the Mac Keyboard. Compatible with B005-002-R, B005-004-R and B005-008 KVM Switches.

Fig 1 Connection Diagram

CONNECTION and CONFIGURATION:

1. The Mac must be powered *OFF* before connecting the cables to ensure safety and peripheral enumeration.
2. Connect the converter to the MAC computer using two MD4M/M ADB Cables and a DB15M/F Cable.
3. Connect a PS/2 keyboard, a PS/2 Mouse and a PC Monitor to the converter (Figure 1) or if connecting to a KVM switch, use the PS/2 version of the cable kit for that switch (Figure 2).
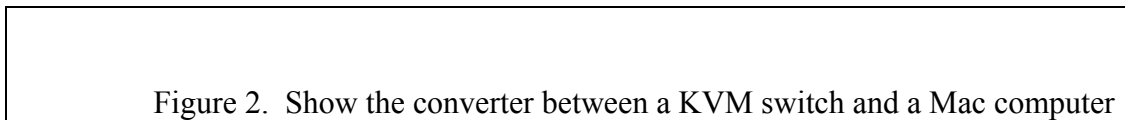
Figure 2. Show the converter between a KVM switch and a Mac computer

4. Select the video mode by setting the DIP switches according to Table 1. NEVER set these switches while the Mac is powered.

SW1	SW2	SW3	SW4	SW5	SW6	Model	Horizontal (KHz)	Vertical (KHz)	Resolution (Dots per Line)
ON						13" Color			640 x 480
ON	ON					NTSC (Under)			512 x 384
ON		ON				12" Color	24.48	60.15	512 x 384
ON	ON	ON				21" Color	68.7	75	1152 x 870
	ON					NTSC (Over)			640 x 480
		ON				21" Mono			1152 x 870
	ON	ON				Portrait			640 x 480
			ON	ON		19" Color	60.2	75	1024 x 768
			ON		ON	16" Color	49.7	75	832 x 624
			ON	ON	ON	PAL			640 x 480
	(1)			ON	ON	VGA	31.5	60	640 x 480
				ON	ON	SVGA	35.2	50	800 x 600
ON	(2)			ON	ON	VGA	3 5	67	640 x 480
ON				ON	ON	SYGA	49	75	832 x 624

Table 1: DIP Switch Setting

NOTES:

(1) When SW5=ON and SW6=ON, the VGA and SVGA resolutions are selected in control panel/monitor.
(2) When SW1=ON, SW5=ON and SW6=ON, the VGA and SVGA resolutions are selected in control panel/monitor.
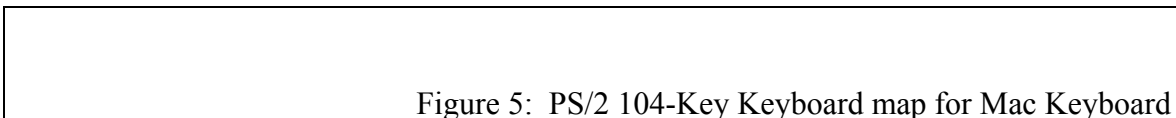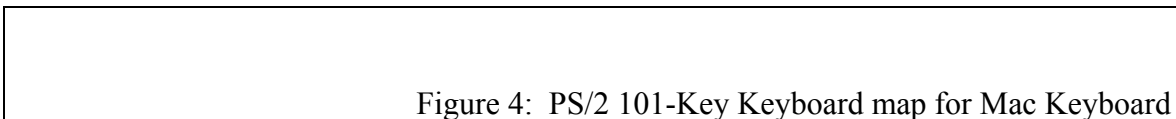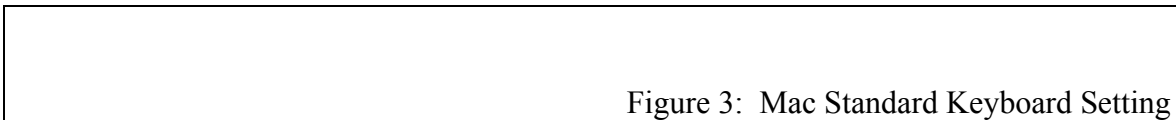
5. Select the keyboard mode by setting DIP Switch 7:
      Set SW7 = ON for a PS/2 101 Keyboard
      Set SW7 =OFF for a PS/2 104 Keyboard

Figures 3 to 5 are the keyboard maps of the layouts for the different types of keyboards. The keyboard mapping for the Mac keyboard to either the PS/2 101 or 104 keyboards is summarized in Table 2.

Table 4: Mac Keyboard Emulation by PS/2 Keyboard		
Mac	**101 Key**	**104 Key**
[Shift]	L or R [Shift]	L or R [Shift]
[Ctrl]	L [Ctrl]	L or R [Ctrl]
[Option]	R [Ctrl]	L or R ⌑
⌘	L or R [Alt]	L or R [Alt]
F13	[Print Scrn]	[Print Scrn]
F14	[Scroll Lock]	[Scroll Lock]
F15	L or R [Shift] and [Pause]	L or R [Shift] and [Pause]
=	[Pause]	[Pause]
Power ON/OFF	Power Key on Converter	Power Key on Converter
[Return]	[Enter]	[Enter]
[Delete]	←	←
[help]	[Insert]	[Insert]

6. Select the mouse speed setting by setting DIP Switch 8:
      Set SW8 = ON for high Speed
      Set SW8 =OFF for Normal Speed

7. Press Converter's POWER ON/OFF key to turn on the Mac.

Figure 3: Mac Standard Keyboard Setting

Figure 4: PS/2 101-Key Keyboard map for Mac Keyboard

Figure 5: PS/2 104-Key Keyboard map for Mac Keyboard

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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

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