

Tripp Lite World Headquarters
1111 W. 35th Street, Chicago, IL 60609 USA
(773) 869-1234, www.tripplite.com

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).

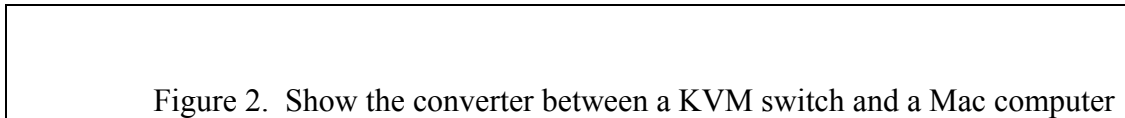


Figure 2. Show the converter between a KVM switch and a Mac computer

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

Table 1: DIP Switch Setting									
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)						VGA	31.5	60	640 x 480
						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

NOTES:

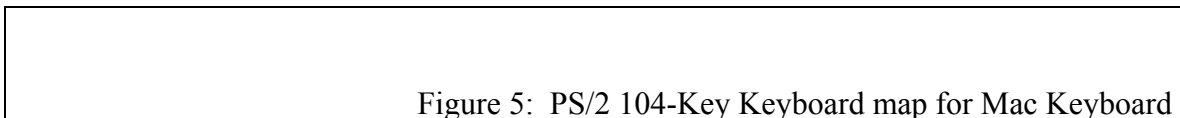
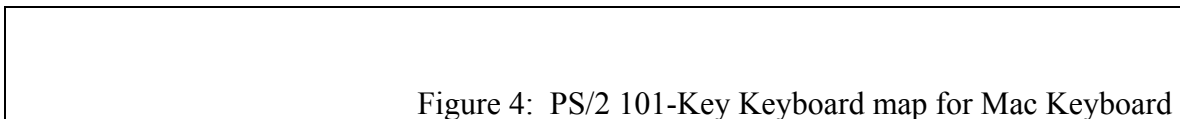
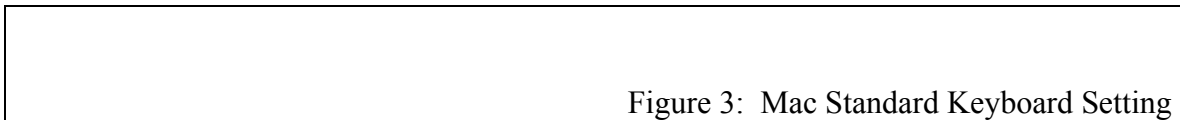
- (1) When SW5=ON and SW6=ON, the VGA and SVGA resolutions are selected in control panel/monitor.
- (2) When SW1=ON, SW5=ON and SW6=ON, the VGA and SVGA resolutions are selected in control panel/monitor.

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 [Ctrl]
⌘	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.



FCC Radio / TV Interference Notice

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. The user must use shielded cables and connectors with this product. Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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93-1600 (200004166) 05/00