

The following document describes the operational changes to the 9512 Series Routers related to firmware version 1.33. References to the 9512 manual are to version 1.2 printed May 2001.

1. Added Features

- Improved Genlocking to tri-level sync for HD9512

2. Manual Changes

2.1. Gen Lock Video Connections (section 2.4.1).

Section 2.4.1 of the manual has the following paragraphs added.

Jumper J20 and DIP switch 5 allows the user to select the type of genlock signal being applied to the Genlock reference input. In order to access the jumper and DIP switch, you will have to remove the top cover of the unit. Jumper J20 is located at the bottom-left of the 9000GPIO card just below the oscillator crystal, and is labeled VID. The 2-3 position is closest to the left edge of the card, position 1-2 is closest to the center of the card. Make sure you select the proper Gen Lock type after changing the DIP switch and Jumper.

Table 2-3 below shows the correct settings of the DIP switch and jumper for the type of router and genlock provided.

MODEL	GENLOCK SYNC TYPE	DIP 5	J20
9512	Bi-Level (NTSC, PAL)	OFF	1-2
HD9512	Bi-Level (NTSC, PAL)	OFF	1-2
HD9512	Tri-Level (1080i/59.95, 1080p/23.98sF, 720p/59.94, 1080i/50)	ON	2-3

Table 2-3: Gen Lock Select DIP Switch and Jumper Settings

2.2. DIP SWITCH SETTINGS (section 4.2)

Table 4-1 has been updated as follows:

Switch	Name	Normal	Function when Off	Function when On
1	Inputs	Off	Must be Off for 12 x 1 router	
2	Reserved	Off	Must be Off for 12 x 1 router	
3	Standard		Standard Def (SMPTE 259M)	High Def (SMPTE 292M)
4	Factory Reset	Off	Recall Parameters on power up	Reset to factory defaults on power up
5	Gen Lock	Off	Bi-Level	Tri-Level
6	Not Used	Off		
7	Program	Off	Normal	Force MCU programming on power up
8	ISP Check	Off	ISP parameters checked on power up	No ISP checks on power up

Table 2-1: DIP Switch Settings