

Note: Refer to Faxback Doc. # 1267 for Main Logic Board Layout.

Note: If you do not have some understanding of interrupts, don't change the settings of Jumpers J11 or J21 or Switch SW7.

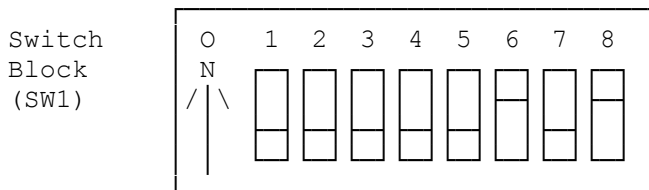
JUMPER	SETTING	FUNCTION
J11	Installed	Synthesizer interrupt (IRQ15) enabled
	Parked (1)	Synthesizer interrupt disabled
J16	Installed (2)	Monochrome video enabled
	Removed (1)	Color video enabled
J21	Installed (1)	Waveform playback interrupt (IRQ5) enabled
	Removed	Waveform playback interrupt (IRQ5) disabled

- (1) Default (factory) jumper settings
- (2) Install to connect a monochrome monitor

Switch Settings:

Use the switches on the main logic board to configure your video circuitry for monitor operation with 800 x 600 and 1024 x 768 resolution video modes. Your applications and monitor must support the video mode you select.

The switch block on the main logic board contains eight switches:



SWITCH SETTINGS	FUNCTION
SW1 SW2	
OFF(1) OFF(1)	800 x 600 resolution with 16 or 256 colors at 56 Hz
OFF ON	800 x 600 resolution with 16 or 256 colors at 60 Hz
ON OFF	800 x 600 resolution with 16 or 256 colors at 72 Hz
ON ON	800 x 600 resolution with 16 or 256 colors at 56 Hz
SW3 SW4	
OFF(1) OFF(1)	1024 x 768 resolution with 16 or 256 colors at 56 Hz, interlaced
OFF ON	1024 x 768 resolution with 16 or 256 colors at 60 Hz, non-interlaced
ON OFF	Reserved
ON ON	Reserved

(1)-Default switch setting

SWITCH	SETTING	FUNCTION
SW5	OFF (1,2) ON (2)	31.5 kHz standard modes (0-13) 40 kHz standard modes (0-13)
SW6	OFF ON (1)	Not used Not used
SW7	OFF (1) ON	Disable video interrupt on IRQ9 Enable video interrupt on IRQ9
SW8	OFF ON (1)	Disable on-board VGA Enable on-board VGA
(1)-Default switch setting (2)-Refer to Faxback Doc. # 1235 for a listing of the Standard video modes		

Interrupts:

The connection of devices to the main logic board affects some of the interrupts used by the system. Disconnecting a device from the main logic board can free an interrupt for other uses.

HARDWARE CONTROLLED INTERRUPT	INTERRUPT STATUS	DEVICE STATUS
IRQ3	In use Available	Modem connected (1) Modem disconnected
IRQ11	In use Available	CD-ROM drive adapter connected (1) CD-ROM drive adapter disconnected
IRQ14	In use Available	SmartDrive connected (1) SmartDrive disconnected
(1)-Default hardware configurations		

Interrupt Assignments:

Some of the settings you choose when you run setup control how system interrupts are set. The following table lists the interrupts affected by settings for setup options:

INTERRUPT	SETUP SELECTION
IRQ3 Available	Serial port is primary and modem is not connected
IRQ3 In use	Serial port is secondary
IRQ4 Available	Serial port is secondary or disabled
IRQ4 In use	Serial port is primary (1)
IRQ6 Available	A: and B: options set to NONE

IRQ6	In use	A: and B: options set to anything other than NONE (2)
IRQ7	Available	Parallel port disabled
IRQ7	In use	Parallel port enabled (1)
IRQ12	Available	Mouse option disabled
IRQ12	In use	Mouse option enabled (1)
IRQ14	Available	C: and D: options set to NONE (3)
IRQ14	In use	C: and D: options set to anything other than NONE (1)

(1)--Indicate default setting of the setup option.

(2)--A direct memory access (DMA) channel is affected by the setting of the A: and B: options. Selecting NONE for both options frees DMA Channel 2 for other uses.

(3)--IRQ14 interrupt can also be freed by disconnecting hard drives from the main logic board.

(smm 08/06/93)