

## Sound Boards

### Media Vision Pro Audio Spectrum 16 Sound Board Settings

This section contains the Compaq default settings for the Spectrum 16 sound board. To ensure optimal performance and integration, Compaq has changed some of the original default settings on the board. Settings listed in this section are correct for use in your system. They may not agree with those listed in your *Spectrum Multimedia Sound Card User's Guide*.

#### CD-ROM Interface

Setting Type	Hardware Selectable Jumper	Software Selectable Resource Utility	Original Setting	Available	Compaq Default
IRQ Select	J14	No	IRQ 3	IRQ 3,4,5,6	IRQ 5
DMA Select	N/A				
I/O Address		No	340h 34Fh	300h-30Fh 310h-31Fh 330h-33Fh 340h-34Fh	300-33Fh

#### J14 Matrix

Pins	IRQ Channel
1-2	IRQ6 (Used by the diskette)
3-4	IRQ5 (Compaq default)
5-6	IRQ4
7-8	IRQ8

#### J15 Matrix

Pins	I/O Address
1-3, 2-4	340h (original setting)
3-5, 2-4	330h (Compaq default)
1-3, 4-6	310h
3-5, 4-6	300h

# Multiproduct Boards

## Sound Boards (Continued)

### Media Vision Pro Audio Spectrum Sound Board Jumper Settings

Jumper	Function
1 (MSEL)	Shunt is present, parked
2 (DASO)	None present
3 (DASI)	Shunt is present, parked
4 (DBSO)	Shunt is present, parked
5 (DBS1)	Shunt is present, parked
6 (ISO)	None present
7 (IS1)	Shunt is present, parked
8	Shunt is present, parked
9	Shunt is present, parked
10	Shunt is present, parked
11	None present
12 (PINS 2 and 3)	Shunt is present, parked
13 (PINS 2 and 3)	Shunt is present, parked
14 (PINS 6 and 7)	Shunt is present, parked
15 (PINS 1 and 2)	Shunt is present, parked
16	Shunt is present, parked
17	Shunt is present, parked
18	Shunt is present, parked
19	None present
20	None present
21	None present
22	None present
23	None present
24	Shunt is present, parked
25	None present
26	Shunt is present, parked
27	None present
28	None present
29	None present
30	None present

### Media Vision Pro Audio Spectrum 16 Sound Board

Setting Type	Hardware Selectable Jumper	Software Selectable Resource Utility	Original Setting	Available	Compaq Default
IRQ Select	No	INSTALL.EXE or AUTOEXEC.BAT command line switch	IRQ7	IRQs selectable: 2 (9), 3, 5, 7, 10, 11, 12, and 15	IRQ 10
DMA Select	No	INSTALL.EXE or AUTOEXEC.BAT command line switch	DMA3	DMA's selectable: 0, 1, 2, 3, 5, 6, 7 DMA's not recommended: 2	DMA7
I/O Address	J2	No		280h - 283h 288h-28Bh 384h-387h 388h-38Bh 38Ch-38Fh	388h-38Bh

# Multiproduct Boards

## Sound Boards (Continued)

### Sound Blaster Emulation

Setting Type	Hardware Selectable Jumper	Software Selectable Resource Utility	Original Setting	Available	Compaq Default
IRQ Select	No	INSTALL.EXE or AUTOEXEC.BAT command line switch	IRQ5	IRQs selectable: 2 (9), 3, 5, and 7	IRQ 7 IRQ 7 can be used if printer does not require an interrupt
DMA Select	No	INSTALL.EXE or AUTOEXEC.BAT command line switch	DMA1	DMA's selectable: 0, 1, 3	DMA1
I/O Address	No	INSTALL.EXE or AUTOEXEC.BAT command line switch	220h - 22Fh	220h - 22h 230h - 23Fh 240h - 24Fh	220h-22Fh

### MPU-401 Emulator

Setting Type	Hardware Selectable Jumper	Software Selectable Resource Utility	Original Setting	Available	Compaq Default
IRQ Select	No	INSTALL.EXE or AUTOEXEC.BAT disabled switch	IRQ2 9	IRQs selectable: 2 (9), 3, 5, and 7  IRQs not recommended: 3, 5, 7	IRQ 2 Resource Disabled
DMA Select	No				
I/O Address	No	INSTALL.EXE or AUTOEXEC.BAT disabled command line switch	300h - 32Fh	300h - 32Fh 330h-35Fh	300h - 32Fh Resource Disabled

### Game Port

Setting Type	Hardware Selectable Jumper	Software Selectable Resource Utility	Original Setting	Available	Compaq Default
IRQ Select	N/A				
DMA Select	N/A				
I/O Address Select	No	Enable Only	201h	201h	201h

# Multiproduct Boards

## Sound Boards (Continued)

### Sound Blaster Sound Board

#### JP14 Connector

Pin	Description		
1	MICGND: Mic input ground		
2	MICGND: Mic input ground		
3	MIC IN: Mic input		
4	SPKGND: Speaker output ground		
5	SPKR	Speaker output:	Right channel Maximum output: 0.8 Vrms at 10k ohms for line-out. 3 Vrms at 4 ohms for speaker out.
6	SPKR	Speaker output:	Left channel Maximum output: 0.8 Vrms at 10k ohms for line-out. 3 Vrms at 4 ohms for speaker out.
7	SPKRL	Speaker output return signal:	Left channel
8	SPKRL	Speaker output return signal:	Right channel

#### JP15 Connector

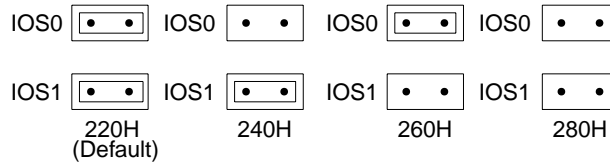
Pin	Description		
1	SPKR	Speaker output:	Right channel Maximum output: 0.8 Vrms at 10k ohms for line-out. 3 Vrms at 4 ohms for speaker out.
2	SPKRR	Speaker output return signal:	Right channel

# Multiproduct Boards

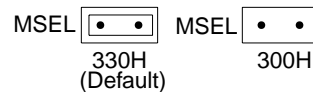
## Sound Boards (Continued)

### "Sound Blaster" Sound Board Jumper Settings

#### BASE I/O ADDRESS OF AUDIO INTERFACE

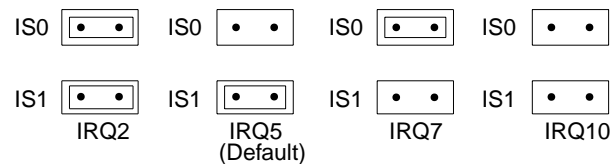


#### MIDI PORT INTERFACE



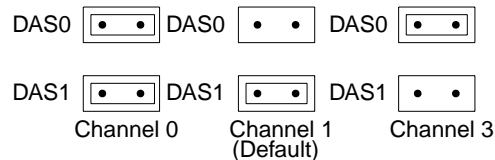
#### IRQ LINE OF AUDIO INTERFACE

If you need to change the interrupt and the software you are using runs mainly on Windows, you can use interrupt 7.

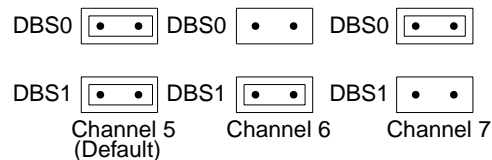


#### DMA CHANNEL OF AUDIO INTERFACE

The 8-bit DMA channel is for 8-bit digitized sound transfer. Software supporting Sound Blaster uses only channel 1 for sound transfer.



The 16-bit DMA channel is for 16-bit digitized sound transfer. Since not many peripheral cards use the 16-bit DMA channel, you can select any one.

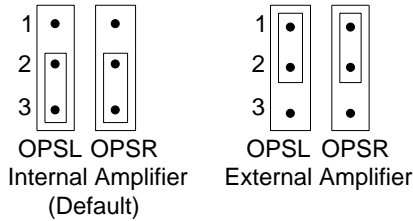


# Multiproduct Boards

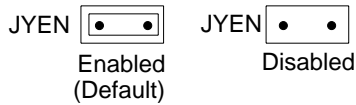
## Sound Boards (Continued)

### "Sound Blaster" Sound Board Jumper Settings

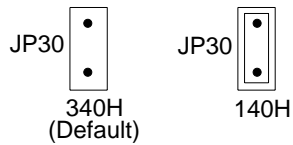
#### AUDIO OUTPUT AMPLIFIER



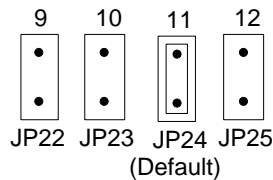
#### JOYSTICK PORT



#### BASE I/O ADDRESS OF SCSI INTERFACE

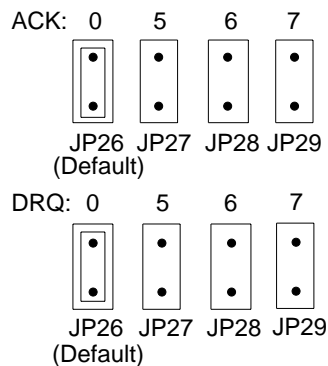


#### IRQ LINE OF SCSI INTERFACE



	IRQ			
	9	10	11	12
JP 22	on	off	OFF	off
JP 23	off	on	OFF	off
JP 24	off	off	ON	off
JP 25	off	off	OFF	on

#### DMA CHANNEL OF SCSI INTERFACE



#### SELECTED CHANNEL

	C0	C5	C6	C7
ACK: 0	ON	off	off	off
DRQ: 0	ON	off	off	off
ACK: 5	OFF	on	off	off
DRQ: 5	OFF	on	off	off
ACK: 6	OFF	off	on	off
DRQ: 6	OFF	off	on	off
ACK: 7	OFF	off	off	on
DRQ: 7	OFF	off	off	on

PINS