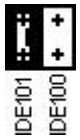
Jumper Settings of Sound Blaster Audio Cards

Summary

- A jumper is a small plastic piece which fits over two pins on a card. If a jumper is covering both pins on a card, it is said to be "closed". If the jumper is only on one pin, or not present at all, it is said to be "open".
- Legacy computer expansion cards such as Sound Blaster 16, Sound Blaster Pro, etc often require physical change of jumpers on the card in order to for the changes in the computer resource assignment to take effect. The commonly changed resources are IRQ, DMA, and I/O ranges.

Groups of jumpers are used to create different settings. If one of the jumpers is open, while others are closed it creates one setting, and having different jumpers open or closed creates other settings.

Many cards do NOT have jumpers for IRQ and DMA. Instead they are set by software (DIAGNOSE) or by the Operating System.

IOS0 is *closed*	IOS0 is *open*	IOS0 is *open* IOS1 is *closed*	IDE100 is *open* IDE101 is *closed*
			

Sound Card Base Address

220h	240h	260h	280h

MIDI Port Address

330h	300h

Sound Card IRQ

IRQ 2	IRQ 5	IRQ 7	IRQ 10

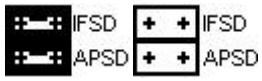
MPU-401 Emulation

Enabled	Disabled

Sound Card Low DMA

DMA 0	DMA 1	DMA 3	Don`t Use

CSP Chip



No CSP	CSP

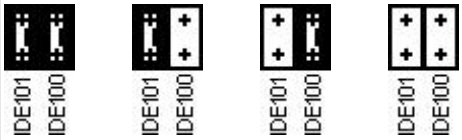
Sound Card High DMA

HDMA 5 HDMA 6 HDMA 7 Use Low

SCSI Port Address

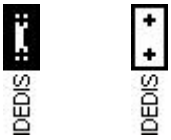
140h 340h

IDE Port Address



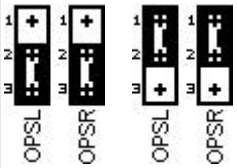
Disabled 1E8h 170h 168h

IDE Port Enable



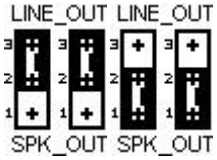
Disabled Enabled

CT17xx Amplifier



Enabled Disabled

CT4171 Amplifier



Line Out Spkr Out

MIDI Port Enable

Enabled

Disabled

Joystick Enable

Enabled

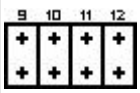
Disabled

SIMM Sockets

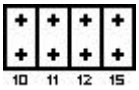
RAM

No RAM

SCSI IRQ

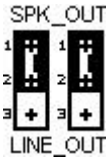


IDE IRQ



Ignore 14 if present.

CT4181 Amplifier



Spkr Out

Line Out