Only two I/O base addresses are selectable: 220Hex and 240Hex. Place the jumper on the selected pins.

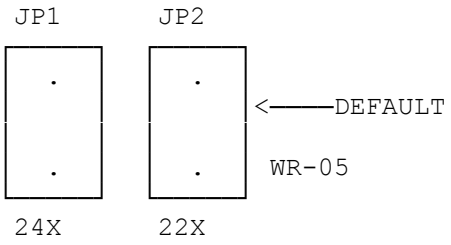

Figure 2: I/O Address Setting

INTERRUPT LINE

Four possible interrupt lines are available. Place the jumper on the pins of the desired Interrupt Line.

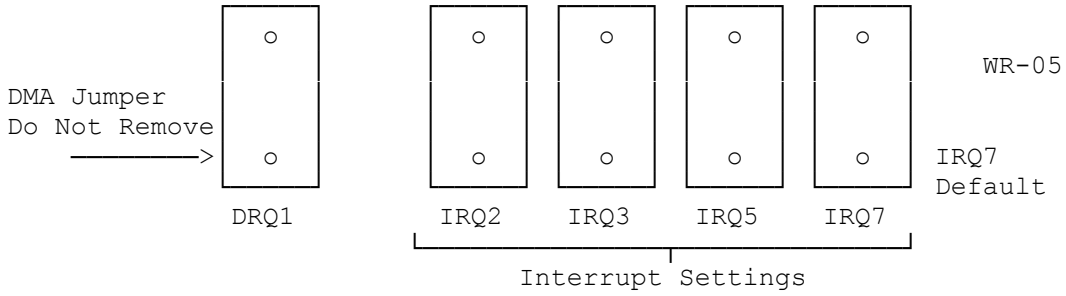

Figure 3: Interrupt Line Settings

DMA CHANNEL

You cannot change the DMA channel. The jumper on the DMA channel is required to operate the CT1350; do NOT remove it.

CONNECTING EXTERNAL DEVICES

Connecting speakers, microphones, joystick and line-in devices are simple However, there are a few simple rules you need to follow:

Make sure devices are plugged into the correct jack.

Do not plug in a microphone and line-in device at the same time. Doing so will not damage your card, but it substantially decreases the input signal to the card.

Do not set volume to maximum if your speakers cannot handle the power output of the CT1350. The CT1350 generates four watts with four ohm speakers and two watts with eight ohm speakers.

Use a good quality microphone. Generally, a microphone costing around US $30.00 is suitable. A condenser microphone also works.

Microphone and line-in cannot be connected at the same time.

HARDWARE DATA

The CT1350 uses the I/O ports addresses 220H and 240H. These are jumper selectable. Factory default is 220H. The following table list I/O addresses and functions.

I/O ADDRESS	DESCRIPTION	ACCESS
2X0H	C/MS Music Voice 1-6 data port.	Write
2X1H	C/MS Music Voice 1-6 register port.	Write
2X2H	C/MS Music Voice 7-12 data report.	Write
2X3H	C/MS Music Voice 7-12 register port.	Write

I/O ADDRESS	DESCRIPTION	ACCESS
2X8H	FM Music - Status Port.	Read
2X8H	FM Music - Register Port.	Write
2X9H	FM Music - Data Register.	Write
2X6H	DSP Reset.	Write
2XAH	DSP (Voice I/O & MIDI Read Data.	Read
2XCH	DSP Write Data or Command.	Write
2XCH	DSP Write Buffer Status (bit 7).	Read
2XEH	DSP Data Available Status (bit 7).	Read

NOTE: The above table applies only when C/MS chips are present.

INTERRUPT LINE (IRQ) CONFLICT

The CT1350 uses interrupt line IRQ7 as default. Some printer interface (LPT1) snatch away the IRQ7 even though it never requires the interrupt.

If a conflict occurs, you an change the interrupt of the CT1350 to IRQ2 or IRQ5.

(See DMA and INTERRUPT ASSIGNMENT TABLE for the best IRQ line to use).

I/O ADDRESS CONFLICT

The possibility of conflict on the default I/O address of 220H is very small. We advise against changing this I/O port address. Changing from this default I/O address means that you will have to reinstall software

programs that support CT1350. If there is a conflict with another card in your system, we suggest you change the I/O port address of the other card. Remember to reinstall the I/O port address for programs running that card. Also set the BLASTER environment.

INTERRUPT	AT MACHINE	XT MACHINE
IRQ 0	Used by System Timer	Used by System Timer
IRQ 1	Used by Keyboard	Used by Keyboard
IRQ 2	Used by System	FREE
IRQ 3	FREE (or COM Port 2)	FREE (or COM Port 2)
IRQ 4	Used by COM Port 1	Used by COM Port 1
IRQ 5	FREE	Used by Fixed Disk
IRQ 6	Used by Diskette Controller	Used by Diskette Controller
IRQ 7	FREE (Maybe LPT1)	FREE (Maybe LPT1)

PC INTERRUPT TABLE

DMA CHANNEL	AT MACHINE	XT MACHINE
DMA 0	FREE	Used for RAM Refresh.
DMA 1	Used by CT1350	Used by CT1350
DMA 2	Used by Diskette Controller	Used by Diskette Controller
DMA 3	FREE	Used by Fixed Disk

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