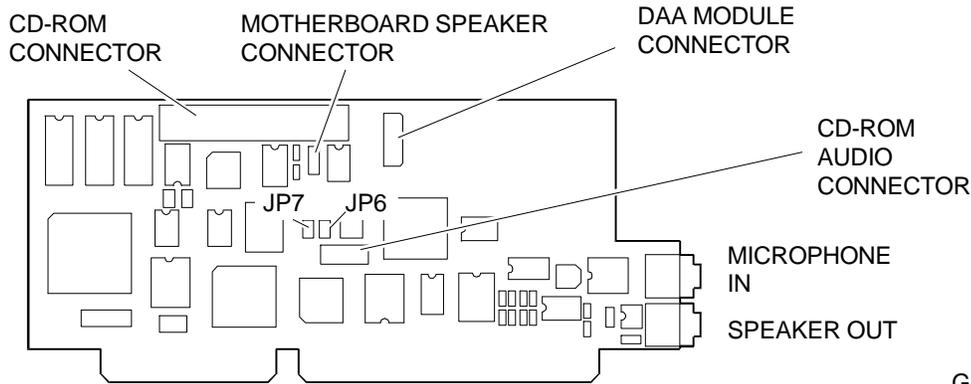


MODEM/FAX BOARDS

Audio / Modem / Fax Board (MI2047)



Before installing the board into the system, make sure that all configuration jumpers are set correctly. The following table gives the board's possible configurations.

FUNCTION	I/O ADDRESS	IRQ	DMA	JUMPERS	SETTING
Voice and internal interface control	1D8 h - 1EF h	-	-	JP7	OUT
	158 h - 16F h			JP6	OUT
	358 h - 36F h			JP7	IN
				JP6	OUT
				JP7	IN
				JP6	IN
System interface	-	IRQ9	-	Cannot be changed	
Telephone line interface	2F8 h - 2FF h	IRQ 3	-	Cannot be changed	
CD-ROM interface	340 h - 347 h	-	DMA 3	Cannot be changed	

NOTE: This board uses address 2F8-2FFh for the telephone line interface, which corresponds to the address of the system second serial port. Using the configuration utilities, you will have to change the address of the second COM2 serial port.

Once the board is installed proceed with its software configuration using the configuration program available on two types of media:

- On floppy diskettes supplied with the board itself
- Preinstalled on the hard disk drive of the system in which the audio board is installed. In this case you will need to recreate the configuration diskettes by using the utilities that download this preinstalled software onto diskette.

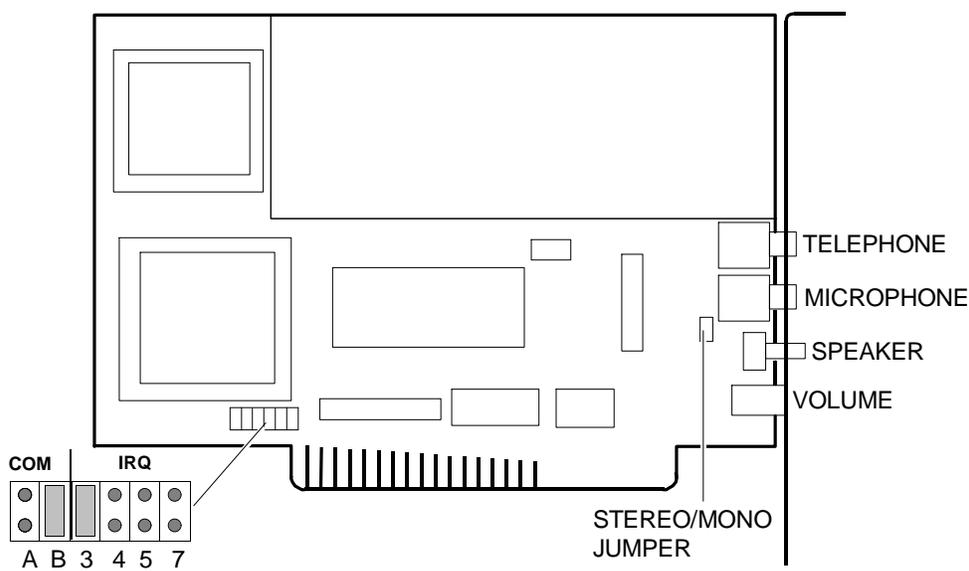
Proceed as follows to configure the board:

- 1) Go into Windows.
- 2) Insert the software configuration diskette into drive A.
- 3) Select the **File** menu from the Windows **Program Manager** command bar.
- 4) Select the **Run** command.
- 5) A dialog box is displayed: type **A:setup** and press Enter.
- 6) The installation program will update the AUTOEXEC.BAT and CONFIG.SYS files without taking into consideration the board installed.
- 7) A new group called **MODEM SETUP** is created in the Program Manager at the end of the installation procedure.

Creatix Modem/Fax Board

The following main modem characteristics are implemented on this board:

- Full-duplex mode and telephone network voice band (300–3000 Hz)
- Serial transmission and reception
- Modem configuration with AT commands
- Automatic protocol
- Data compression and error correction in compliance with MNP 5 and V.42bis
- MNP 10 (particularly suitable for connection with radiophones)
- Effective maximum transfer speed of 57.600 bps (V.32bis with V.42bis)
- Automatic baud rate recognition for all speeds up to 57.600 bps in the Hayes mode
- Auto dialing with AT Hayes commands or in compliance with V.25bis
- Password protected automatic recall
- Remote configuration through the telephone line.



FQV9A

The jumpers on the board allows the configuration of the serial port (COM) and interrupt (IRQ) used. The default settings are: COM 3, IRQ 3.

SERIAL PORT	SERIAL PORT CONFIGURATION JUMPERS		INTERRUPT	INTERRUPT CONFIGURATION JUMPERS			
	A	B		3	4	5	7
COM1	IN	IN	IRQ 3*	IN	OUT	OUT	OUT
COM2	IN	OUT	IRQ 4	OUT	IN	OUT	OUT
COM3*	OUT	IN	IRQ 5	OUT	OUT	IN	OUT
COM4	OUT	OUT	IRQ 7	OUT	OUT	OUT	IN

* = Default configuration

F

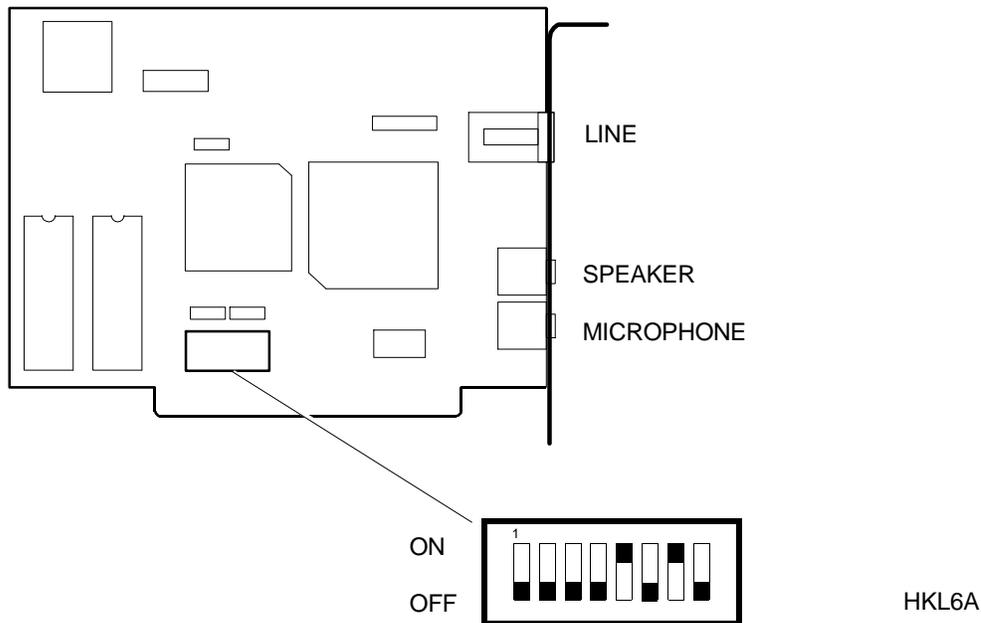
Stereo/Mono Jumper

This jumper must be inserted when connecting two speakers to the modem through a stereo jack.

STEREO/MONO JUMPER	
STEREO	ON
MONO	OFF

B&V Modem/Fax Board

For the main characteristics of the modem implemented on this board refer to the description of the Creatix Modem/Fax board.

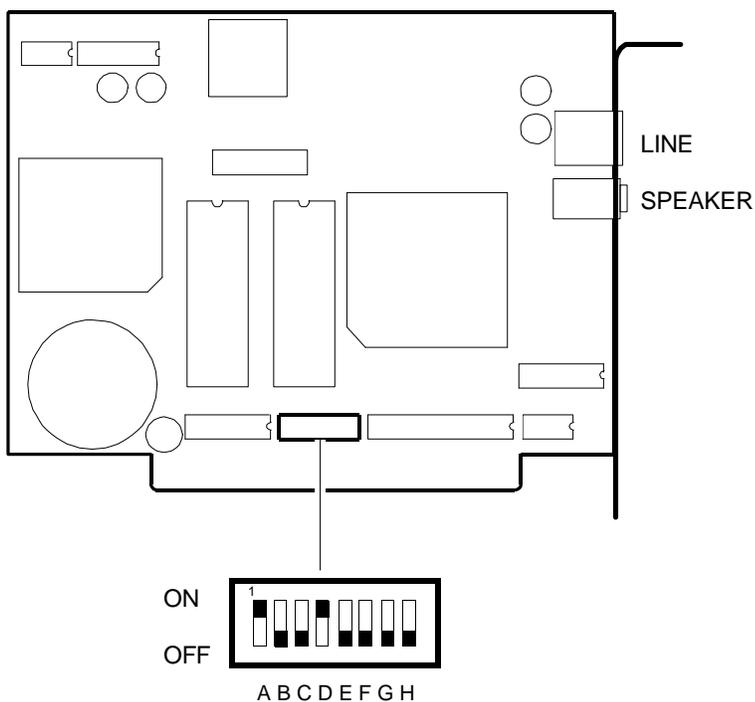


The DIP-switches on this board are used to configure the serial port (COM) and interrupt (IRQ) used. The default settings are: COM 3, IRQ 3.

DIP-SWITCH SW1	FUNCTION
1	When ON connects the board interrupt to the PC IRQ2 line
2	When ON connects the board interrupt to the PC IRQ7 line
3	When ON connects the board interrupt to the PC IRQ5 line
4	When ON connects the board interrupt to the PC IRQ4 line
5	When ON connects the board interrupt to the PC IRQ3 line (default)
6 and 7	Board physical address ON-ON=3F8h ON-OFF=2F8h OFF-ON=3E8h (COM3 - Default) OFF-OFF=2E8h
8	Not used

3X Modem/Fax Board

For the main characteristics of the modem implemented on this board refer to the description of the Creatix Modem/Fax board.



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HKL7A

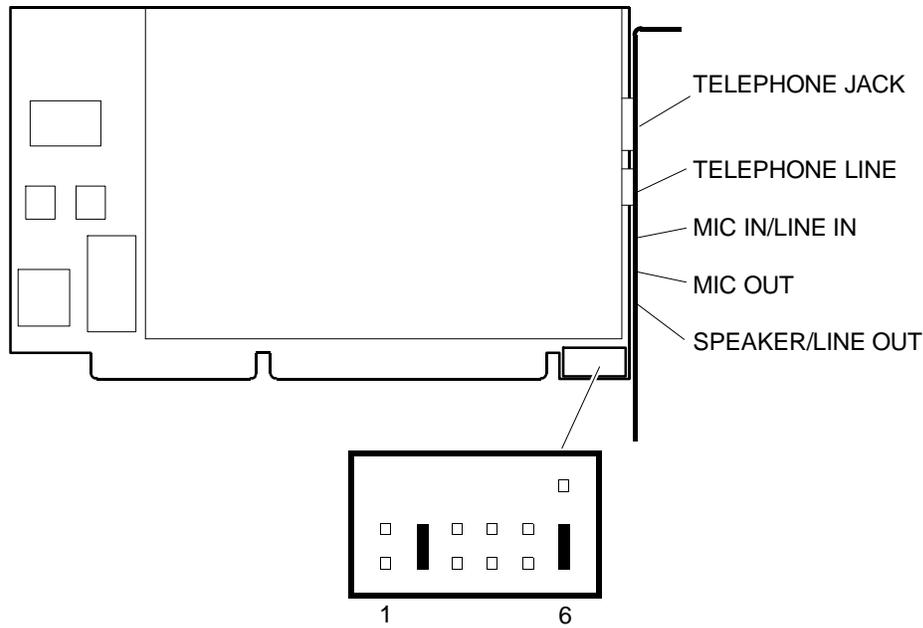
The DIP-switches on this board are used to configure the serial port (COM) and interrupt (IRQ) used. The default settings are: COM 3, IRQ 3.

COM	A	B	C	D
1	X	X	X	
2		X		X
3	X		X	
4				X

- C=IRQ4
- D=IRQ3
- E=IRQ2
- F=IRQ5
- G=IRQ6
- H=IRQ7
- X=ON

Dataflex Modem/Fax Board

For the main characteristics of the modem implemented on this board refer to the description of the Creatix Modem/Fax board.



The jumpers on the board are used to determine the levels of the analog signals on the micro and speaker connectors.

JUMPERS	
1	OFF
2	ON
3	OFF
4	OFF
5	OFF
6	A=ON B=OFF

ON = Jumper inserted
 OFF = Jumper not inserted

Jumper Settings

GAIN CONTROL JUMPERS 1 AND 2 ARE USED TO CONFIGURE THE MICROPHONE CONNECTION	1	2	
	OFF	OFF	LINE-IN
	ON	OFF	MEDIUM
	OFF	ON	HIGH*

INTERNAL RIBBON CABLE CONNECTION JUMPERS 3, 4, 5 ARE USED FOR THE CONNECTION OF THE MODEM INTEGRATED IN THE EXISTING HARDWARE	3	4	5	
	MIC OUT	MIC IN	LINE OUT	JUMPERS INSERTED
	GND	GND	GND	JUMPERS NOT INSERTED*

F

SPEAKER OUT/LINE OUT JUMPER 6 CONTROLS THE USE OF THE SPEAKER	6	
	SETTING A	LINE OUT*
	SETTING B	SPEAKER OUT

* = Default

