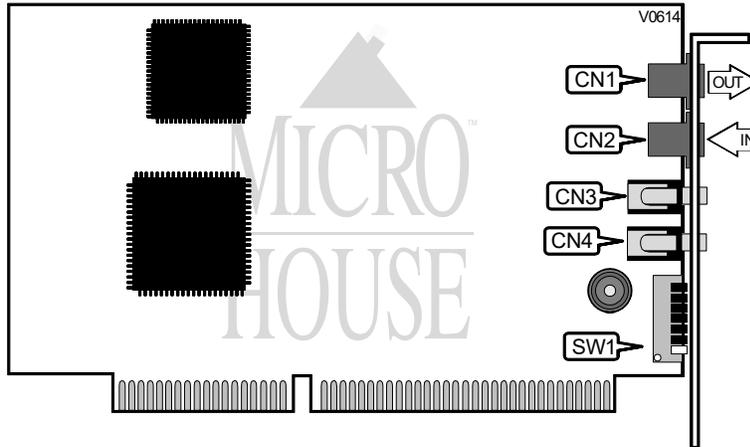


# ZOLTRIX

## 14.4 VOICE FAX/MODEM

<b>Modem Type</b>	Data (Asynchronous/Synchronous)/Fax/Voice
<b>Maximum Data Rate</b>	14.4K bps
<b>Maximum Fax Rate</b>	14.4K bps
<b>Data Bus</b>	16-bit ISA
<b>Fax Class</b>	Class 2
<b>Data Modulation Protocol</b>	Bell 103 & 212A, CCITT V.32bis, V.32, V.22bis, V.22 & V.21
<b>Fax Modulation Protocol</b>	CCITT V.29, V.27ter, V.21 & V.17, GRP III
<b>Error Correction/Compression</b>	CCITT V.42bis & V.42, MNP5 & MNP4



CONNECTIONS			
Purpose	Location	Purpose	Location
Line out	CN1	Microphone jack	CN3
Line in	CN2	Speaker jack	CN4

INTERRUPT SELECT					
IRQ	SW1/1	SW1/2	SW1/3	SW1/4	SW1/7
IRQ3	off	off	off	on	off
IRQ2	off	off	off	off	on
IRQ4	off	off	on	off	off
IRQ5	off	on	off	off	off
IRQ7	on	off	off	off	off

COM PORT SETTINGS		
COM	SW1/t	SW1/t
COM2	off	on
COM1	on	on
COM3	on	off
COM4	off	off

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## 14.4 VOICE FAX/MODEM

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\An PROPRIETARY COMMAND	
Note:	Sets the maximum MNP block size.
Command	Protocol
\A2	Set maximum block size to 192 characters.
\A0	Set maximum block size to 64 characters.
\A1	Set maximum block size to 128 characters.
\A3	Set maximum block size to 256 characters.

\Bn PROPRIETARY COMMAND	
Note:	Sends a break signal to the remote modem during a non-MNP connection.
Command	Protocol
\B3	Sends a 300ms break.
\B0	\Bn command disabled.
\B1	Sends a 100ms break.
\B2	Sends a 200ms break.
\B4	Sends a 400ms break.
\B5	Sends a 500ms break.
\B6	Sends a 600ms break.
\B7	Sends a 700ms break.
\B8	Sends a 800ms break.
\B9	Sends a 900ms break.

/Gn PROPRIETARY COMMAND	
Note:	Enables/disables modem-to-modem flow control.
Command	Protocol
\G0	Modem-to-modem flow control disabled.
\G1	Modem-to-modem flow control enabled.

/Kn PROPRIETARY COMMAND	
Note:	Selects the modem response when a break signal is detected from the DTE or remote modem.
Command	Protocol
\K5	(1) Break signal from DTE, normal/MNP mode: modem sends a break signal to the remote modem in sequence with transmitted data. (2) Break signal from remote modem, normal mode: modem returns break signal in sequence with buffered data. (3) Break signal from DTE, direct mode: modem sends a break signal to the remote modem.

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## 14.4 VOICE FAX/MODEM

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/Kn PROPRIETARY COMMAND	
Command	Protocol
\K0	(1) Break signal from DTE, normal/MNP mode: modem does not send break signal to the remote modem and enters the command mode. (2) Break signal from remote modem, normal mode: modem clears terminal and modem buffers, then returns break signal. (3) Break signal from DTE, direct mode: modem sends a break to the remote modem, then enters the command mode.
\K1	(1) Break signal from DTE, normal/MNP mode: modem clears terminal and modem buffers, then sends a break signal to the remote modem. (2) Break signal from remote modem, normal mode: modem clears terminal and modem buffers, then returns break signal. (3) Break signal from DTE, direct mode: modem sends a break to the remote modem, then enters the command mode.
\K2	(1) Break signal from DTE, normal/MNP mode: modem does not send break signal to the remote modem and enters the command mode. (2) Break signal from remote modem, normal mode: modem does not clear buffers and returns a break signal (3) Break signal from DTE, direct mode: modem sends a break signal to the remote modem.
\K3	(1) Break signal from DTE, normal/MNP mode: modem does not clear buffers and sends a break signal to the remote modem. (2) Break signal from remote modem, normal mode: modem does not clear buffers and returns a break signal (3) Break signal from DTE, direct mode: modem sends a break to the remote modem, then enters the command mode.
\K4	(1) Break signal from DTE, normal/MNP mode: modem does not send break signal to the remote modem and enters the command mode. (2) Break signal from remote modem, normal mode: modem returns break signal in sequence with buffered data. (3) Break signal from DTE, direct mode: modem sends a break signal to the remote modem.

/Ln PROPRIETARY COMMAND	
Command	Protocol
Note:	Enables block or stream mode for MNP connections.
\L0	Stream mode for MNP links enabled.
\L1	Block mode for MNP links enabled.

/Nn PROPRIETARY COMMAND	
Command	Protocol
Note:	Selects the Error-Correction Operating Mode.
\N3	Auto-Reliable Link mode enabled (&Q5, S36=7, S48=7).
\N0	Normal mode enabled (&Q6).
\N1	Direct mode enabled (&Q0).
\N2	Reliable Link mode enabled (&Q5, S36=4, S48=7).

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## 14.4 VOICE FAX/MODEM

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/Nn PROPRIETARY COMMAND	
Command	Protocol
\N4	LAPM error correction mode enabled (&Q5, S48=0).
\N5	MNP error correction mode enabled (&Q5, S36=4, S48=128).

%Cn PROPRIETARY COMMAND	
Note:	Selects data compression options. Applies only to V.42bis/V.42 protocols.
Command	Protocol
%C3	V.42bis and MNP5 data compression enabled.
%C0	Data compression disabled.
%C1	MNP5 data compression enabled.
%C2	V.42bis data compression enabled.

%En PROPRIETARY COMMAND	
Note:	Selects line quality monitor and auto-retrain options. Applies only to V.42bis/V.42 protocols.
Command	Protocol
%E0	Line quality monitor and auto-retrain function disabled.
%E1	Line quality monitor and auto-retrain function enabled.
%E2	Line quality monitor, auto-retrain function, and auto fall-back/fall-forward function enabled.
%E3	Line quality monitor and auto-retrain function enabled, hang up when Eye Quality Monitor threshold reached.

%L PROPRIETARY COMMAND	
Note:	Reports received signal level in dBm, from 090 (9dBm) to 043 (43dBm). Applies only to V.42bis/V.42 protocols.

%Q PROPRIETARY COMMAND	
Note:	Reports line signal quality according to the signal/noise ratio (dBm). Applies only to V.42bis/V.42 protocols.