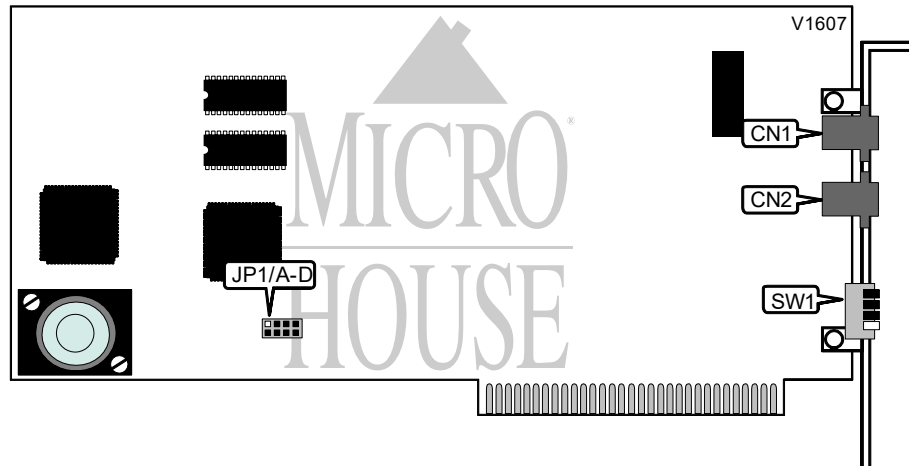


# COMPUTER PERIPHERALS, INC.

## EUROVIVA 14.4I FAX

<b>Modem Type</b>	Data (synchronous/asynchronous)/Fax
<b>Maximum Data Rate</b>	14.4Kbps
<b>Maximum Fax Rate</b>	14.4Kbps
<b>Data Bus</b>	8-bit ISA
<b>Fax Class</b>	Class I & II
<b>Data Modulation Protocol</b>	Bell 103A/212A
	ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis
<b>Fax Modulation Protocol</b>	ITU-T V.17, V.27ter, V.29
<b>Error Correction/Compression</b>	MNP5, V.42, V.42bis



CONNECTIONS			
Purpos	Location	Purpos	Location
Line out	CN1	Line in	CN2

BASE I/O ADDRESS SELECTION				
Port	SW1/1	SW1/2	SW1/3	SW1/4
COM1: (3F8h)	On	Off	Off	Off
COM2: (2F8h)	Off	On	Off	Off
COM3: (3E8h)	Off	Off	On	Off
COM4: (2E8h)	Off	Off	Off	On

INTERRUPT SELECTION				
IRQ	JP1/A	JP1/B	JP1/C	JP1/D
2	Open	Open	Open	Closed
3	Closed	Open	Open	Open
4	Open	Closed	Open	Open
5	Open	Open	Closed	Open

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## Proprietary AT Command Set

AUTO-RETRAIN	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %E <i>n</i> [cmds]
<b>Description:</b>	Selects auto-retrain mode
Command	Function
%E0	Auto-retrain disabled
%E1	Auto-retrain enabled

BIT-MAPPED REGISTER S14		
<b>Format</b>	AT [cmds] S14? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays echo, result codes, dial mode, and originate/answer mode	
Bit	Value	Function
0	0	Not used
1	0	Command echo function disabled
	1	Command echo function enabled
2	0	Result code sending enabled
	1	Result code sending disabled
3	0	Numeric format enabled
	1	Verbose format enabled
4	0	Not used
5	0	Tone dialing mode enabled
	1	Pulse dialing mode enabled
6	0	Not used
7	0	Answer mode enabled
	1	Originate mode enabled

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BIT-MAPPED REGISTER S21		
<b>Format</b>	AT [cmds] S21? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0 - 255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays jack type, CTS signal, low DTR action, DCD signal, DSR signal, and the long space disconnect function	
Bit	Value	Function
0	0	Selects RJ-11, RJ-41S, or RJ45S jack
	1	Selects RJ-12 or RJ-13 jack
1	0	Not used
2	0	CTS follows RTS
	1	CTS forced high
4, 3	00	DTR signal ignored
	01	Modem goes to command mode on low DTR
	10	Modem disconnects on low DTR. Auto-Answer is disabled.
	11	Modem is initialized on low DTR
5	0	DCD forced high
	1	DCD normal
6	0	DSR forced high
	1	DSR normal
7	0	Long space disconnect function disabled
	1	Long space disconnect function enabled

BIT-MAPPED REGISTER S22		
<b>Format</b>	AT [cmds] S22? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays speaker volume and controls	
Bit	Value	Function
1, 0	00	Off volume
	01	On volume
	10	Medium level volume
	11	High level volume
3, 2	00	Speaker off
	01	Speaker off on carrier
	10	Speaker always on
	11	Speaker on during handshake

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BIT-MAPPED REGISTER S23		
<b>Format</b>	AT [cmds] S23? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays DTE rate and parity	
Bit	Value	Function
0	0	Not used
3, 2, 1	000	Sets serial port speed to 0-300bps
	001	Sets serial port speed to 600bps
	010	Sets serial port speed to 1200bps
	011	Sets serial port speed to 2400bps
	100	Sets serial port speed to 4800bps
	101	Sets serial port speed to 9600bps
	110	Sets serial port speed to 14400bps
5,4	00	Parity even
	01	Space Parity
	10	Parity odd
	11	Mark /No Parity

BIT-MAPPED REGISTER S27		
<b>Format</b>	AT [cmds] S27? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays synchronous/asynchronous mode, line type	
Bit	Value	Function
3, 1, 0	000	Asynchronous mode
	001	Asynchronous command mode and synchronous connect mode
	010	Asynchronous command mode and synchronous connect mode, DTR forced high
	011	Asynchronous command mode on low DTR, synchronous connect mode on high DTR
	101	Error correction mode
	110	Buffered asynchronous mode
2	1	Leased line

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BIT-MAPPED REGISTER S31		
<b>Format</b>	AT [cmds] S31? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays automatic speed detection and result codes	
Bit	Value	Function
0	0	Not used
1	0	Automatic speed detection disabled
	1	Automatic speed detection enabled
3, 2	00	DTE speed displayed in result codes
	01	Extended result codes enabled, DCE and DTE speed displayed in result codes.
	10	DCE speed displayed in result codes

BIT-MAPPED REGISTER S40		
<b>Format</b>	AT [cmds] S40? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays break handling, MNP10, and block size	
Bit	Value	Function
0	0	MNP10 disabled
	1	MNP10 enabled
2, 1	0	Not used
5, 4, 3	000	VK0
	001	VK1
	010	VK2
	011	VK3
	100	VK4
	101	VK5
7, 6	00	MNP block size is 64 characters
	01	MNP block size is 128 characters
	10	MNP block size is 192 characters
	11	MNP block size is 256 characters

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BIT-MAPPED REGISTER S41		
<b>Format</b>	AT [cmds] S41? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Selects compression, auto-retrain, flow control, and MNP mode	
Bit	Value	Function
1 - 0	00	Data compression disabled
	01	MNP5 enabled
	10	V.42bis enabled
	11	MNP5 and V.42bis enabled
2	0	Auto-retrain disabled
	1	Auto-retrain enabled
3	0	Flow control disabled
	1	Flow control enabled
4	0	Stream mode for MNP
	1	Block mode for MNP

BIT-MAPPED REGISTER S80		
<b>Format</b>	AT [cmds] S80? [cmds]	
<b>Default:</b>	Read-only	
<b>Range:</b>	0-255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Displays command sets, remote configuration, call back security, and answer/originate mode	
Bit	Value	Function
0	0	AT command set enabled
	1	V.25bis command set enabled
1	0	Remote configuration disabled
	1	Remote configuration enabled
2	0	Call back security disabled
	1	Call back security enabled
3	0	Originate mode
	1	Answer mode

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BREAK SEND	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \Bn [cmds]
<b>Default:</b>	3
<b>Range:</b>	1-9
<b>Unit:</b>	.1 second
<b>Description:</b>	Sends break to modem

BREAK TYPE			
<b>Type:</b> Configuration			
<b>Format:</b> AT [cmds] \Kn [cmds]			
<b>Description:</b> Configures action of break signal.			
Command	Break from DTE	Modem receives IB	Break received from remote modem
\K0	Online command mode enabled, send no break to remote modem	Break sent to remote modem and buffered cleared	Buffers cleared, break sent to DTE
\K1	Break sent to remote modem and buffered cleared	Break sent to remote modem and buffered cleared	Buffers cleared, break sent to DTE
\K2	Online command mode enabled, send no break to remote modem	Send break to remote modem immediately	Break sent immediately to DTE
\K3	Send break to remote modem immediately	Send break to remote modem immediately	Break sent immediately to DTE
\K4	Online command mode enabled, send no break to remote modem	Send break with transmitted data	Break sent with received data to the DTE
f \K5	Send break with transmitted data	Send break with transmitted data	Break sent with received data to the DTE

COMPRESSION	
<b>Type:</b> Configuration	
<b>Format:</b> AT [cmds] %Cn [cmds]	
<b>Description:</b> Selects data compression	
Command	Function
%C0	Data compression disabled
%C1	MNP5 enabled
%C2	V.42bis enabled
f %C3	MNP5 and V.42bis enabled

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CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Sets connect mode
Command	Function
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	LAP-M mode with fallback to MNP enabled
í \N3	MNP mode with fallback to normal mode enabled
\N4	LAP-M mode only enabled
\N5	MNP mode only enabled

DISPLAY CURRENT COMMAND STATUS	
Type:	Immediate
Format:	AT [cmds] \S [cmds]
Description:	Displays current setting of modem commands

FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
Description:	Selects modem port flow control
Command	Function
í \G0	Flow control disabled
\G1	Flow control enabled

FLOW CONTROL CHARACTER - XOFF	
Type:	Register
Format:	AT [cmds] S33=n [cmds]
Default:	19
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XOFF

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FLOW CONTROL CHARACTER - XON	
<b>Type:</b>	Register
<b>Format:</b>	AT [cmds] S32= <i>n</i> [cmds]
<b>Default:</b>	17
<b>Range:</b>	0-255
<b>Unit:</b>	ASCII
<b>Description:</b>	Sets the character used to represent XON

LINE SIGNAL LEVEL	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] %L [cmds]
<b>Range:</b>	9-43
<b>Unit:</b>	-1dBm
<b>Description:</b>	Returns recieved line signal level

MAXIMUM BLOCK SIZE FOR TRANSMISSION	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \A <i>n</i> [cmds]
<b>Description:</b>	Sets the maximum transmittable block size
<b>Command</b>	<b>Function</b>
\A0	Maximum MNP block size is 64 characters
\A1	Maximum MNP block size is 128 characters
\A2	Maximum MNP block size is 192 characters
\A3	Maximum MNP block size is 256 characters

MNP STREAM/BLOCK MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \L <i>n</i> [cmds]
<b>Description:</b>	Selects the transfer mode for MNP
<b>Command</b>	<b>Function</b>
\L0	Stream mode for MNP enabled
\L1	Block mode for MNP enabled

SLEEP TIMER	
<b>Format</b>	AT [cmds] S24= <i>n</i> [cmds]
<b>Default:</b>	Unidentified
<b>Range:</b>	0-255
<b>Unit:</b>	10 seconds
<b>Description:</b>	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode

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V.23 SPEED DIRECTION	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Fn [cmds]
<b>Description:</b>	Selects V.23 speed and direction
Command	Function
%F1	75bps transmit/1200bps receive enabled
%F2	75bps receive/1200bps transmit enabled
%F3	V.23 split baud mode disabled

V.23 SPLIT BAUD MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \Wn [cmds]
<b>Description:</b>	Controls V.23 split baud mode
Command	Function
f \W0	V.23 split baud mode disabled
\W1	V.23 split baud mode enabled

### Proprietary V.25bis Command Set

DISPLAY STORED NUMBERS	
<b>Type:</b>	Immediate
<b>Format:</b>	RLI
<b>Description:</b>	Requests the modem to return the list of station IDs. If no numbers are stored, the modem will return LSI

DISPLAY STORED NUMBERS	
<b>Type:</b>	Immediate
<b>Format:</b>	RLNn
<b>Description:</b>	Requests the modem to return the stored number in memory location <i>n</i> . If no number is given, all stored numbers will be displayed. If no numbers are stored, the modem will return LSN.

STATION ID LIST	
<b>Type:</b>	Result code
<b>Format:</b>	LSInnn;<#>;xxxx
<b>Description:</b>	Displays station IDs

STATION ID SET	
<b>Type:</b>	Configuration
<b>Format:</b>	PRInn;<#>;xxxx
<b>Description:</b>	Records station ID, with <i>n</i> = 1-20.

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STORED NUMBERS LIST	
<b>Type:</b>	Result code
<b>Format:</b>	LSNxxxx
<b>Description:</b>	Displays stored numbers. xxxx may specify a memory location, phone number, or status. If no code was specified with RLN, all stored numbers are displayed.