BASIC COMMAND CODES

CODE	DESCRIPTION	FUNCTION
AT	Attention Code	Command line prefix; precedes command lines except +++ (escape code) and A/ (Repeat Command).
A/	Repeated Command	Repeats the command line. Neither AT nor (ENTER) is necessary for this command.
O	On-line	Returns the modem to on-line mode from command mode.
ENTER	Carriage Return	Closes the command line and executes command. S3 defines the carriage return character.
BACKSPACE	BACKSPACE	Edits the command line by deleting character one by one. S5 defines the backspace character.
+++	Escape Code	Returns the modem to command mode from on-line mode. S2 defines the escape code character. S12 defines the escape code guard time.
Z	Reset	Resets the modem.

DIALING AND ANSWERING COMMANDS

COMMAND		DIALING	FUNCTION
D		Dialing	Sets the modem to originate a telephone call. D command parameters include:0-9 (),-,space,*,=,A,B,C, and D.
M O D I F	P	Pulse Dialing	Sets the modem to pulse dialing mode.
	T	Touch-Tone Dialing	Sets the modem to touch-tone dialing mode.
	R	Reverse Mode	Changes the modem to answer mode automatically after a call is originated.
	,	Pause	Causes the modem to pause when dialing. Place it after the access code. Length of pause time is set by S8.
	/		Delay for 0.125 seconds (a short pause).

I E R S	@		Delay until no sound is heard.
	!		Flash the switchhook for 0.7 seconds.
	;		Returns the modem to command mode after dialing.
	A	Answer Mode	Sets the modem to answer mode immediately without waiting for a ringing signal.
	W		Waits for a dial tone before touch-tone dialing. It must be preceded by the D command.

COMMANDS WITH PARAMETERS

COMMAND	PARAMETERS	FUNCTION	DEFAULT
Q	0 1	Result codes on Results codes off	Defined by DIP Switch 7
V	0	Numeric result codes Verbal result codes	Defined by DIP Switch 5
X	0 1 2 3 4	Result code set 0 Result code set 1 Result code set 2 Result code set 3 Result code set 4	XO
E	0 1	Commands are not echoed Echo commands	Defined by DIP Switch 4
F	0 1	Half duplex Full duplex	F1
M	0 1 2	Monitor speaker always off. Monitor speaker on until carrier-detect. Monitor speaker always on.	M1
C	0 1	Transmitter off Transmitter on	C1
H	0 1	On hook (phone line is disconnected when not in use) Off hook (phone line is connected regardless of its condition)	H0
I	0 1 2	Product code ROM sumcheck Internal memory test	None

Z	0	Resets the modem to default condition	Z0
	1	Goes back to the command mode with user setting intact.	

COMMAND SYNTAX

ATTENTION

All commands must begin with the letters AT. AT is short for "Attention" and is used by the PC Modem to automatically set the baud rate and parity. AT must be entered in the upper case, all other commands may be in either upper or lower case. This command is the signal to the PC Modem that what follows is a command.

LINE LENGTH LIMITS

AT may be followed by one or more commands. The commands will be performed in the order given. The number of commands given at once is limited only by the line length, which cannot exceed 40 characters following AT. Control characters and spaces are not counted, but punctuation marks such as dashes or commas are. The syntax of a command to the PC Modem is as follows:

    AT <command> <CR>

CARRIAGE RETURN

Note that <CR> denotes carriage return. This is the command terminator; the command is not processed until a <CR> is entered.

BASIC COMMANDS

CODE	DESCRIPTION	FUNCTION
AT	Attention Code	Wakes up the modem to command receptive state. Starts the command line.
ENTER	Carriage Return	Closes the command line & executes command S3 defines the carriage return character.
BACKSPACE	BACKSPACE	Edits the command line by deleting char- acter one by one. S5 defines the back- space character.
+++	Escape Code	Returns the modem to command mode from on- line mode. S2 defines the escape code character. S12 defines the escape code guard time.

AUTODIAL COMMANDS

COMMAND	DIALING	FUNCTION

D	Dialing	The PC Modem goes to originate mode and will dial the number following.
, comma	Pause	The PC Modem will pause for two seconds (default time). It allows the PC Modem to wait for a second dial tone, as, for example, when waiting on an outside line on a PBX board.
T	Touch-Tone Dialing	Sets the modem to touch-tone dialing
P	Pulse Dialing	Sets the modem to pulse dialing mode.
R	Reverse Mode	Used to call an "originate only" modem such as an acoustic coupler.
A/	Repeat Command	Repeats the command line. Neither AT nor (ENTER) is necessary for this command.
; semicolon		Returns the modem to command mode after dialing.

ADDITIONAL COMMANDS

COMMAND	PARAMETERS	FUNCTION
A	————	Sets the modem to answer mode immediately without waiting for a ringing signal.
Cn	0 1 (+)	Transmitter off Transmitter on
En	0 1 (+)	Do not echo in command mode Echo characters in command mode
Fn	0 1 (+)	Half duplex Full duplex
Hn	0 1	On hook (phone line is disconnected when not in use Off hook (phone line is connected regardless of its condition)
Mn	0 1 (+) 2	Monitor speaker always off Monitor speaker on until carrier-detect. Monitor speaker always on.
On	0 (+) 1 2	Return to previous state Exit RDL & return on line Initiate RDL & return on line
Qn	0 (+) 1	Result codes on Results codes off
Sr?	0-16	Determine status of the register indicated by "r"

Sr=n		Set register (r) to value (n)
r	0-16	
n	0-255	
Vn	0 (+)	Numeric result codes
	1	Verbal result codes
W	——	Waits for a dial tone before touch-tone dialing. It must be preceded by the D command.
Xn	0 (+)	Basic result codes (0-4)
	1	Connect 1200 (code 5) enabled
	2	Connect 1200 (code 5) and No Dial Tone (code 6) enabled.
	3	Connect 1200 (code 5), Busy (code 7), and No Answer (code 8) enabled.
	4	Connect 1200 (code 5), No Dial Tone (code 6), Busy (code 7) and No Answer (code 8) enabled.
Z	——	Resets the modem to default condition