BASIC COMMAND CODES

CODE	DESCRIPTION	FUNCTION
AT	Attention Code	Command line prefix; precedes command lines except +++ and A/.
A/	Repeat Command	Repeats the last command. Neither AT nor (ENTER) is necessary for this command.
A	Answer Immediate	Causes the modem to go off hook and answer without waiting for a ring.
ENTER	Carriage Return	Ends the command line and executes commands. Register 3 defines the carriage return character.
BKSPCE	BACKSPACE	Deletes characters on the command line one by one. Register 5 defines the backspace character.
+++	Escape Code	Returns the modem to the command mode from the data mode. Register 2 defines the escape code character.

DIALING AND ANSWERING COMMANDS

COMMAND		DIALING	FUNCTION
D		Dialing	Sets the modem to originate a call by dialing numbers and executing modifiers that follow D in the command line.
	Sn	Dial Stored Number	Dial number stored in memory n.
	T	Tone Dialing	Sets the modem to touch-tone dialing mode.
	R	Reverse Mode	Changes the modem to answer mode automatically after call is originated.
	W		Wait for dial tone before continuing.
	,	Pause	Causes the modem to pause when dialing. Place it after the access code. Length of pause time is set by Register 8.
	@		Wait for a tone (ringback) followed by 5 seconds of silence before continuing.
	!		Flash the switchhook for 0.5 seconds.
	/	Short Delay	Delay for 0.125 seconds (short pause).
	0-9, #, *, A, B, C, D		Digits and symbols recognized as part of a

		telephone number. Only 0-9 apply to pulse-dialed numbers.
;		Returns the modem to command mode after dialing.

TABLE 3   COMMANDS WITH PARAMETERS

COMMAND	PARAMETERS	FUNCTION
B	0 1 (Default)	CCITT V.22 operation when communicating at 1200 bps. Bell 103/212A protocol.
C	0 1 (Default)	Not permitted. Transmitter carrier switched on or off automatically.
E	0 1 (Default)	Commands are not echoed Commands are echoed.
F	0 1	Not permitted. Character echo disabled when on line.
H	0 1	On hook (hang up). Go off hook.
I	0 1 2	Requests product identification code. Performs checksum on firmware ROM; returns checksum. Tests the modem's firmware ROM and memory; return OK or ERROR.
L	0, 1 2 (Default) 3	Sets modem volume to low level. Sets modem volume to medium level. Sets modem volume to high level.
M	0 1 (Default) 2 3	Speaker off. Speaker on until carrier detected. Speaker always on. Speaker on until carrier detected, except during dialing.
N	0 1 (Default)	Modem handshakes at speed set by Register 37. Modem handshakes at any speed supported by both the local and remote modems.
O	0 1	Returns the modem to on-line mode after the escape sequence was used to enter the command mode. Returns the modem to the on-line mode and initiates equalizer retrain at 2400 bps.
Q	0 1 2	Modem returns result codes. Modem does not return result codes. Modem returns result codes in originate mode only.
S	r	Sets register pointer to Register r. The pointer remains set until you issue another Sr command. You

		can read or change the value of the pointed-to register without specifying the register.
S	r?	Reads the contents of Register r.
S	r=n	Assigns the value n to Register r.
V	0 1	Numeric result codes Word result codes
W	0 (Default) 1	Error-control negotiation process result codes (40, 46, 47, 70, 71, 73, 77, 79, 80) not returned. Error-control negotiation process result codes returned.
X	0 (Default) 1 2 3 4	Basic result codes (0-4) enabled. Extended result codes (0-5, 10-12) enabled. Dial tone detection result code (6) plus extended result codes enabled. Busy signal detection result code (7) plus extended result codes. Result codes 0-7, 10-12 enabled.
Y	0 (Default) 1	Disable break. Prevents the modem from responding to or sending break (long space) signals. Enable break.
Z	0 (Default) 1	Sets the modem to user configuration 0. Sets the modem to user configuration 1.

SUMMARY OF THE X COMMAND CONDITIONS

FUNCTION	X0	X1	X2	X3	X4
Busy detect	No	No	No	Yes	Yes
Dial tone detect	No	No	Yes	No	Yes
CONNECT only	Yes	No	No	No	No
Blind dial number	Yes	Yes	No	Yes	No

(dkh-07/29/93)