BASIC COMMAND CODES

CODE	DESCRIPTION	FUNCTION
AT	Attention Code	All commands must begin with the letters AT. AT is short for "Attention" and your modem uses these letters to automatically set the baud rate and the parity. You can enter AT and all other commands in either upper or lower case.
A	Answer Command	This command causes the modem to go off-hook and generate an answer carrier tone. Used for manual answer.
A/	Repeat Last Command	When this command is issued (without an AT prefix) the last command entered is repeated. If the last command was a dial command and a connection was established, the last command will not be repeated.
ENTER	Carriage Return	Ends the command line and executes commands. Register 3 defines the carriage return character.
BACKSPACE	BACKSPACE	Deletes characters on the command line one by one. Register 5 defines the backspace character.
+++	Escape Code	The command state in the modem can be entered during the on-line state by sending the escape sequence. The sequence consists of no transmission for the time specified by register S12, followed by three consecutive escape characters from register S2 and followed by another S12 register time of no transmission. The default is: 1 second wait, +++, 1 second wait. The modem will respond with OK.
Z	Reset Command	This command resets the modem to its power up condition. Any connection present is broken.

DIALING AND ANSWERING COMMANDS

	COMMAND	DIALING	FUNCTION
	D	Dialing	Causes the modem to go off-hook and autodial the specified number using the specified parameters.
M	P, T		Select pulse or tone dialing.
O	,		Pause for the time specified in register S8. (Default 2 seconds.)
D	;		Put the modem in the command state after dialing.
I	@		Wait for one or more rings followed by 5 seconds

F			of silence for the time specified in register S7. (Default = 30 seconds.)
I	!		Flash the modem on-hook for 1/2 second.
E R	R		Reverse the connection to answer instead of orig-inate after dialing.
S	W		Wait for dial tone.

COMMANDS WITH PARAMETERS

COMMAND	PARAMETERS	FUNCTION
B	0 1 (Default)	Selects CCITT V.22 operation when communicating at 1200 bps. Selects BELL 103/212A operation when communicating at 1200 bps.
E	0 1 (Default)	Commands are not echoed Commands are echoed.
H	0 (Default) 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.
M	0 1 (Default) 2 3	Speaker off. Speaker on until carrier detected. Speaker always on. Speaker on after dial until carrier detected.
O		The O command will cause the modem to return to the on-line state after the escape sequence has been entered.
Q	0 (Default) 1	Modem returns result codes. Modem does not return result codes.
V	0 1 (Default)	Numeric result codes Word result codes
X	0 1 2 3 4 (Default)	Result code set 0 Result code set 1 Result code set 2 Result code set 3 Result code set 4

SUMMARY OF THE X COMMAND CONDITIONS

FUNCTION	X0	X1	X2	X3	X4

BUSY detected	No	No	No	Yes	Yes
DIAL TONE detected	No	No	Yes	No	Yes
CONNECT message only	Yes	No	No	No	No
BLIND DIAL enabled	Yes	Yes	No	Yes	No

ADVANCED COMMANDS

COMMAND	PARAMETERS	FUNCTION
&C	0 (Default) 1	DCD (Data Carrier Detect) always on. DCD on indicates presence of data carrier.
&D	0 1 2 3	Modem ignores DTR (Data Terminal Ready). Modem assumes command mode when on-to-off transition is detected on DTR. When on-line with a host system, modem goes on-hook and assumes command mode upon detecting an on-to-off transition on DTR. Modem initializes upon detecting an on-to-off transition on DTR.
&F	None	Recalls the factory defaults.
&P	0 (Default) 1	Pulse dial make/break ratio 39:61 (USA). Pulse dial make/break ratio 33:67 (UK/HK).
&S	0 (Default) 1 2	DSR (Data Set Ready) always on. DSR operates in accordance with EIA. RS-232C specifications.
&Tn	0 1 3 4 5 6 7 8	Stops any test in progress. Start Local Analog Loopback Test. Start Local Digital Loopback Test. Enable Remote Digital Loopback Request. Disable Remote Digital Loopback Request. Start Remote Digital Loopback Request. Start Remote Digital Loopback Request with automatic test pattern generation/checking. Start Remote Analog Loopback Request with automatic test pattern generation/checking.

(css 07/28/93)