

BASIC COMMAND CODES

CODE	DESCRIPTION	FUNCTION
AT	Attention Code	Command line prefix; precedes command lines except +++ and A/ (Repeat Command).
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.
BACKSPACE	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.
Z	Reset	Resets the modem.

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.	
M O D I F I E R S	P	Pulse Dialing	Sets the modem to pulse dialing mode.
	T	Tone Dialing	Sets the modem to 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.
	;		Returns the modem to command mode after dialing.

COMMANDS WITH PARAMETERS

COMMAND	PARAMETERS	FUNCTION
B	0	Selects CCITT V.22 operation when communicating at 1200 bps.
	1 (Default)	Selects BELL 103/212A operation when communicating at 1200 bps.
E	0	Commands are not echoed
	1 (Default)	Commands are echoed.
H	0 (Default)	On hook (hang up).
	1	Go off hook.
I	0	Requests product identification code.
	1	Performs checksum on firmware ROM; returns checksum.
	2	Tests the modem's firmware ROM and memory; return OK or ERROR.
M	0	Speaker off.
	1 (Default)	Speaker on until carrier detected.
	2	Speaker always on.
	3	Speaker on until carrier detected, except during dialing.
O	0	Return to on-line state.
	1	Return to on-line state and initiate retrain. *
Q	0 (Default)	Modem returns result codes.
	1	Modem does not return result codes.
V	0	Numeric result codes
	1 (Default)	Word result codes
X	0	Result code set 0
	1	Result code set 1
	2	Result code set 2
	3	Result code set 3
	4 (Default)	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 occurs. 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 assumes initialization state upon detecting an on-to-off transition on DTR.
&F	None	Resets the modem.
&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	DSR (Data Set Ready) always on. DSR operates in accordance with EIA RS-232C specifications.
&T	0 (Default) 1 2-7 8	Terminate test in progress. Initiate local analog loopback test. Not supported. Initiate local analog loopback test with self test.

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