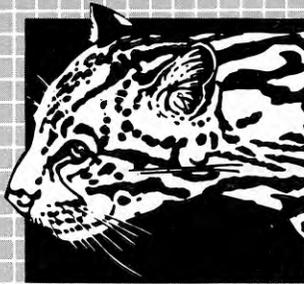
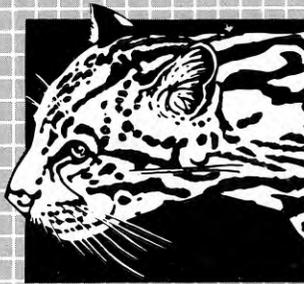
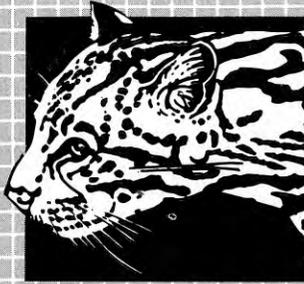


Appendix D

Smart-Cat PLUS Quick- Reference Guide



SUMMARY OF COMMANDS

Command	Parameters	Initial Setting
DIALING		
D __	P (Pulse Dialing) T (TouchTone dialing) @ (Automatic TouchTone/ Pulse dialing) , (Pause when dialing) W (Wait for dial tone) ; (Return to Command Mode after dialing) R (Call to an originate-only modem) 2 seconds 5 seconds DT
A/	Automatically repeat the last command. The only command not preceded by AT nor followed by RETURN
ANSWERING		
A	Manually answer an incoming call	...
MODEM OPERATION		
+++	Escape characters; switch Smart-Cat Cat PLUS from Data Mode to Command Mode; pause before and after typing; see registers S2 and S12
AT	Attention characters typed at the start of every command line.	...
C __	CO = Transmitter off C1 = Transmitter on
E __	E0 = No command echo E1 = Echo command	E1
C __	F0 = Half-duplex (data echo) F1 = Full-duplex (no data echo)	F1
H __	H0 = Go on-hook (hang up) H1 = Go off-hook
I __	I0 = Firmware ID	...

SUMMARY OF COMMANDS

Command	Parameters	Initial Setting
MODEM OPERATION (continued)		
M __	M0 = Speaker off M1 = Speaker on until carrier M2 = Speaker always on	M1
O	Return to Data Mode	...
Q __	Q0 = Send responses Q1 = Do not send responses	Q0
Sr?	Read register r (0-17)	...
Sr=n	Set register r (0-17) to value n	...
Sr?=n?	Set register r (0-17) to value n and display previous value	...
V __	V0 = Number/symbol responses V1 = Word responses	V1
X __	X0 = Minimum response set X1 = Full response set X2 = Extended response set	X0
Z	Reset Smart-Cat PLUS	...

SUMMARY OF REGISTERS

Register	Range	Function	Initial Setting
DIALING			
S6	2-255 (seconds)	Maximum wait time for dial tone	5
S8	0-255 (seconds)	Length of pause for comma	2
ANSWERING			
S0	2-255 (rings)	Number of rings on which Smart-Cat PLUS answers a call	0
S1	0-255 (rings)	Length of rings occurred; cleared if no ring after 7 seconds.	0

SUMMARY OF REGISTERS

Register	Range	Function	Initial Setting
DIALING AND ANSWERING			
S7	1-255 (seconds)	Wait time for a data connection	45
S9	1-255 (hundred milli- seconds)	Carrier detect response time	6 (600 milliseconds or 0.6 seconds)
S10	1-255 (hundred milli- seconds)	Time between loss of carrier and hang up (valid for 300 bps operation only)	7 (700 milli- seconds or 0.7 seconds)
CHARACTER DEFINITIONS			
S2	0-127	Decimal value of ASCII escape characters	43 (+)
S3	0-127	Decimal value of ASCII carriage return character	13 (CTRL-M)
S4	0-127	Decimal value of ASCII line feed character	10 (CTRL-J)
S5	0-32, or 127	Decimal value of ASCII backspace character	8 (CTRL-H)
SPECIAL FUNCTIONS			
S12	0, or 20-25 (1/50 second)	Escape characters guard time	50 1 (second)
S16	S16 = 0 S16 = 1 S16 = 2 S16 = 3	No testing Analog Loopback Test Local Digital Loopback Test Remote Digital Loopback Test	0
S17	S17 = 0 S17 = 16	Smart-Cat PLUS is in the 1200 bps mode Smart-Cat PLUS is in the 0-300 bps mode	...