

Modem Commands

To view defaults, widen the right-hand side of the view window.

Command	Syntax	Function	Default
+++	+++	Escape to online command mode (not preceded by AT)	
/	/	Pause (not preceded by AT)	125 ms
A	ATA	Answer manually	
A/	A/	Repeat last command (not preceded by AT)	
D	ATD	Dial	
		n Phone #, 0 through 9	
DT	ATDT	T Tone dial	
DP	ATDP	P Pulse dial	
DR	ATDR	R Call an originate-only modem	
DTnWn	ATDTnWn	W Wait for second dial tone (X2, X4)	
DTWn@	ATDTWn@	@ Wait for answer (X3, X4)	
DTn!n	ATDTn!n	! Flash switch hook	
DTn#n	ATDTn#n	# Auxiliary tone dial digit	
DTn,n	ATDTn,n	, Pause in dialing (S8)	2 seconds
DTn*n	ATDTn*n	* Auxiliary tone dial digit	
DTn;n	ATDTn;n	; Stay in command mode after dialing	
DTn\$n	ATDTn\$n	\$ Wait for calling card bong	
DTn&n	ATDTn&n	& Wait for calling card bong	

DTn"n	ATDTn"n	" Set quote mode for the following	
D\$	ATD\$	Display a list of dial commands	
DL	ATDL	Redial last number	
DL?	ATDL?	Display last dialed number	
DSn	ATDSn	Dial stored number	
E0	ATE0	Turn command echo off	
E1	ATE1	Turn command echo on	X
F0	ATF0	Turn online echo on	
F1	ATF1	Turn online echo off	X
H0	ATH0	Hang up (go on-hook)	
H1	ATH1	Pick up (go off-hook)	
I0	ATI0	Display the 4-digit product code	
I1	ATI1	Display the checksum	
I2	ATI2	Display the RAM test results	
I3	ATI3	Display the firmware version	
I4	ATI4	Display the current modem settings	
I5	ATI5	Display user profiles	
I7	ATI7	Display the product configuration	
I8	ATI8	Display black list screen	

I10	ATI10	Display VXD configuration screen	
I11	ATI11	Display V.34 link screen	
L0	ATL0	Set modem speaker volume off	
L1	ATL1	Set modem speaker volume on (low)	
L2	ATL2	Set modem speaker volume on (medium)	X
L3	ATL3	Set modem speaker volume on (high)	
M0	ATM0	The modem's speaker is always off	
M1	ATM1	The modem's speaker is on until a connection is made	X
M2	ATM2	The modem's speaker is always on	
M3	ATM3	The modem's speaker is off during dialing, and on after dialing until the connection is made	
O0	ATO0	Return to online mode	
O1	ATO1	Return to online mode and retrain (automatically return to the highest speed)	
S\$	ATS\$	Display the list of S-register settings	
Sr=n	ATSr=n	Set S-Register "r" to "n"	
Sr?	ATSr?	Display the value of S-Register "r"	
V0	ATV0	Display result codes in numeric form	
V1	ATV1	Display result codes in verbose form (words)	X
X0	ATX0	Report basic call progress result codes, i.e., OK, CONNECT, RING, NO CARRIER, (also, for busy, if enabled, and dial tone not detected), NO ANSWER and ERROR	

X1	ATX1	Report basic call progress result codes and the connect rates-OK, CONNECT, RING, NO CARRIER (also, for busy, if enabled, and dial tone not detected), NO ANSWER, CONNECT XXXX and ERROR	
X2	ATX2	Report basic call progress result codes and the connect rates i.e., OK, CONNECT, RING, NO CARRIER (also, for busy, if enabled), NO DIAL TONE, NO ANSWER, CONNECT XXXX and ERROR	
X3	ATX3	Report basic call progress result codes and connection rate i.e., OK, CONNECT, RING, NO CARRIER, NO ANSWER, CONNECT XXXX, BUSY and ERROR	
X4	ATX4	Report all call progress result codes and connection rate i.e., OK, CONNECT, RING, NO CARRIER, NO ANSWER, CONNECT XXXX, BUSY, NO DIAL TONE and ERROR	X
Y0	ATY0	On the next reset, use &W settings	X
Y1	ATY1	On the next reset, use &W1 settings	
Y2	ATY2	On the next reset, use &F settings	
Y3	ATY3	On the next reset, use &F1 settings	
Y4	ATY4	On the next reset, use &F2 settings	
Z0	ATZ0	Reset the modem according to the settings of ATY	
Z1	ATZ1	Reset the modem and use &W settings	
Z2	ATZ2	Reset the modem and use &W1 settings	
Z3	ATZ3	Reset the modem using &F settings and load factory default profile 1	
Z4	ATZ4	Reset the modem using &F1 settings and load factory default profile	
Z5	ATZ5	Reset the modem using &F2 settings and load factory default profile 2	
\$	AT\$	Display the list of AT commands	

&\$	AT&\$	Display the list of ampersand commands	
&A0	AT&A0	Disable data compression result codes	
&A1	AT&A1	Enable data compression result codes	
&A2	AT&A2	Enable modulation result codes	
&A3	AT&A3	Enable data compression result codes and add V.42bis and MNP 5 protocol indicators	X
&B0	AT&B0	Use a floating DTE speed	X
&B1	AT&B1	Use a fixed DTE speed	
&B2	AT&B2	Use a fixed DTE speed when using data compression	
&C0	AT&C0	Carrier detect is always on	
&C1	AT&C1	Carrier detect is controlled by the modem	X
&D0	AT&D0	Ignore DTR	
&D1	AT&D1	Use online command mode	
&D2	AT&D2	DTE controls DTR	X
&D3	AT&D3	DTE controls DTR and reset	
&F0	AT&F0	Set the factory profile that uses hardware (RTS/CTS) flow control (this is the active profile when the modem is shipped)	
&F1	AT&F1	Set the factory profile that uses hardware (RTS/CTS) flow control	
&F2	AT&F2	Set the factory profile that uses software (XON/XOFF) flow control	

&G0	AT&G0	No guard tone	X
&G1	AT&G1	Use 550 Hz guard tone	
&G2	AT&G2	Use 1800 Hz guard tone	
&H0	AT&H0	Flow control for transmitted data - Disable flow control	
&H1	AT&H1	Flow control for transmitted data - Enable hardware flow control (RTS/CTS)	X
&H2	AT&H2	Flow control for transmitted data - Enable software (XON/XOFF)	
&H3	AT&H3	Flow control for transmitted data - Enable both software and hardware flow control	
&I0	AT&I0	Flow control for received data - Disable flow control	X
&I1	AT&I1	Flow control for received data - send XON/XOFF signals to modems on both ends	
&I2	AT&I2	Flow control for received data - send XON/XOFF signals to your modem only	
&I3	AT&I3	HP Eng/Ack in Host mode	
&I4	AT&I4	HP Eng/Ack in Terminal Mode	
&I5	AT&I5	Flow control for received data - If error correction is used, send XON/XOFF signals to your modem only; if data compression is not used, look for incoming XON/XOFF	
&K0	AT&K0	Disable data compression	
&K1	AT&K1	Enable data compression (V.42bis, MNP 5, NONE)	X
&K2	AT&K2	Enable data compression (forces V.42bis)	
&K3	AT&K3	Use selective data compression	

&M0	AT&M0	Disable error correction in 1200 bps and faster transfers	
&M4	AT&M4	Allow V.42 or MNP error correction in 1200 bps and faster transfers	X
&M5	AT&M5	Allow either V.42 or MNP error correction in 1200 bps and faster transfers	
&N0	AT&N0	Highest link speed	X
&N1	AT&N1	Link Speed - 300 bps	
&N2	AT&N2	Link Speed - 1200 bps	
&N3	AT&N3	Link Speed - 2400 bps	
&N4	AT&N4	Link Speed - 4800 bps	
&N5	AT&N5	Link Speed - 7200 bps	
&N6	AT&N6	Link Speed - 9600 bps	
&N7	AT&N7	Link Speed - 12000 bps	
&N8	AT&N8	Link Speed - 14400 bps	
&N9	AT&N9	Link Speed - 16800 bps	
&N10	AT&N10	Link Speed - 19200 bps	
&N11	AT&N11	Link Speed - 21600 bps	
&N12	AT&N12	Link Speed - 24000 bps	
&N13	AT&N13	Link Speed - 26400 bps	
&N14	AT&N14	Link Speed - 28800 bps	
&N15	AT&N15	Link Speed - 31200 bps	

&N16	AT&N16	Link Speed - 33600 bps	
&N17	AT&N17	Link Speed - 33333 bps	
&N18	AT&N18	Link Speed - 37333 bps	
&N19	AT&N19	Link Speed - 41333 bps	
&N20	AT&N20	Link Speed - 42666 bps	
&N21	AT&N21	Link Speed - 44000 bps	
&N22	AT&N22	Link Speed - 45333 bps	
&N23	AT&N23	Link Speed - 46666 bps	
&N24	AT&N24	Link Speed - 48000 bps	
&N25	AT&N25	Link Speed - 49333 bps	
&N26	AT&N26	Link Speed - 50666 bps	
&N27	AT&N27	Link Speed - 52000 bps	
&N28	AT&N28	Link Speed - 53333 bps	
&N29	AT&N29	Link Speed - 54666 bps	
&N30	AT&N30	Link Speed - 56000 bps	
&N31	AT&N31	Link Speed - 57333 bps	
&R1	AT&R1	Ignore RTS	
&R2	AT&R2	Receive to DTE/RTS high	X
&S0	AT&S0	Data Set Ready (DSR) is always on	X
&S1	AT&S1	Data Set Ready (DSR) signals that the modem is ready	

to send data

&U0	AT&U0	Variable link rate floor	X
&U1	AT&U1	Minimum link rate-300 bps	
&U2	AT&U2	Minimum link rate-1200 bps	
&U3	AT&U3	Minimum link rate-2400 bps	
&U4	AT&U4	Minimum link rate-4800 bps	
&U5	AT&U5	Minimum link rate-7200 bps	
&U6	AT&U6	Minimum link rate-9600 bps	
&U7	AT&U7	Minimum link rate-12000 bps	
&U8	AT&U8	Minimum link rate-14400 bps	
&U9	AT&U9	Minimum link rate-16800 bps	
&U10	AT&U10	Minimum link rate-19200 bps	
&U11	AT&U11	Minimum link rate-21600 bps	
&U12	AT&U12	Minimum link rate-24000 bps	
&U13	AT&U13	Minimum link rate-26400 bps	
&U14	AT&U14	Minimum link rate-28800 bps	
&U15	AT&U15	Minimum link rate-31200 bps	
&U16	AT&U16	Minimum link rate-33600 bps	
&U17	AT&U17	Minimum link rate-33333 bps	
&U18	AT&U18	Minimum link rate-37333 bps	

&U19	AT&U19	Minimum link rate-41333 bps
&U20	AT&U20	Minimum link rate-42666 bps
&U21	AT&U21	Minimum link rate-44000 bps
&U22	AT&U22	Minimum link rate-45333 bps
&U23	AT&U23	Minimum link rate-46666 bps
&U24	AT&U24	Minimum link rate-48000 bps
&U25	AT&U25	Minimum link rate-49333 bps
&U26	AT&U26	Minimum link rate-50666 bps
&U27	AT&U27	Minimum link rate-52000 bps
&U28	AT&U28	Minimum link rate-53333 bps
&U29	AT&U29	Minimum link rate-54666 bps
&U30	AT&U30	Minimum link rate-56000 bps
&U31	AT&U31	Minimum link rate-57333 bps
&W0	AT&W0	Write (store) user profile 0 to memory
&W1	AT&W1	Write (store) user profile 1 to memory
&Zn=s	AT&Zn=s	Store phone number
&Zn?	AT&Zn?	Display phone number