

Modem Initialization

Quick Reference

The following table shows common modems and typical initialization strings. Using the string that corresponds to a particular modem will usually allow the selected modem to communicate properly.

Modem Type / Model	Initialization String
Hayes Compatible 28800	ATS46=2&K3
Hayes Compatible 14400	ATS46=2&K3
Hayes Compatible 9600	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Hayes Compatible 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Hayes Compatible 1200	ATQ0V1E1S0=0S2=128 S7=55
3X - FRN	AT&K3%C3
3X 396D - FRN	AT&K3%C3
3X 514D - FRN	AT&K3%C3
3X WYSIWYF 496D - FRN	AT&K3%C3
3X WYSIWYF 496DB - FRN	AT&K3%C3
3X WYSIWYF 514D - FRN	AT&K3%C3
3X WYSIWYF 514DB - FRN	AT&K3%C3
3X WYSIWYF 514DBX - FRN	AT&K3%C3
3X WYSIWYF 514DP - FRN	AT&K3%C3
3X WYSIWYF 514DPX - FRN	AT&K3%C3
3X WYSIWYF 514DS - FRN	AT&K3%C3
3X WYSIWYF 514DSX - FRN	AT&K3%C3
AJ 1445/1446 - FRN	AT*LG2*E1
AJ 2423 - FRN	AT*LG2*E1
AJ 9636 - FRN	AT*LG2*E1
ARN DX - FRN	AT&K3%C3
ARN Generique - FRN	AT&K3%C3
AT&T 2224 CEO	AT\\Q3
AT&T 4024	ATE1Q0V1X4Y0S0=0 S7=15 &D2&C1&M0
AT&T Comsphere 3810	AT\\Q3%C1H3
AT&T Comsphere 3810 Plus 288	AT\\Q3%C1H3
AT&T Comsphere 3811	AT\\Q3%C1H3
AT&T Comsphere 3820	AT\\Q3%C1H3
AT&T Comsphere 3830	AT\\Q3%C1H3
AT&T Dataport	AT\\Q3%C1
AT&T Dataport 288	AT\\Q3%C1
AT&T Dataport Express	AT\\Q3%C1
AT&T KeepInTouch Express PCMCIA	AT\\Q3%C1
AT&T Paradyne PCMCIA	AT\\Q3%C1
ATI 2400 etc/e	AT&K3&U1
ATI 9600 etc/e	AT&K3&U0
ATTEL MX 144_14400bps - FRN	AT
ATTEL MX 144_9600bps - FRN	AT
ATTEL MX 96xxxx - FRN	AT\\Q2%C1
Andest Rocket - UK	AT\$F4\$C1
Angia DataStart for CompaqLTE	AT&K3&U1
Apex Data PCMCIA 144	AT%C3
Avtek CD900 - AUS	AT&F+C61B0X1&C1&D2 S0=0 S7=60
Avtek CD930 - AUS	AT&K3%C3
Banksia MX-6 V.32bis - AUS	AT&K3%C3
Banksia XM124/R FAXMODEM- AUS	AT&F&C1&D2 S0=0 V1 X1 S2=128 S7=60
Boca Modem V.Fast Class	ATS46=2&K3
Bocamodem M1440 Alt	AT&K3%C1S46=138
CDC 6436 - ITA	AT&K3%C3
CDC 6438 - ITA	AT&K3%C3



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Modem Type / Model	Initialization String
COM1 MC215 - FRN	AT\\Q3
COM1 MC216 - FRN	AT\\Q3&C1
COM1 MV214 - FRN	AT\\Q3&C1
COM1 MV215 - FRN	AT&E5&E2
COM1 MV216 - FRN	AT\\Q3&C1
COM1 MV219 - FRN	AT\\Q3&C1
CTK SHORTY 144 SL - GER	AT%CI\\Q3
CXR Telcom 1445	AT*LR2*LG2*E1
Cardinal 14400	AT&K3&C1
Cardinal 14400 Internal	AT&K3&C0
Cardinal 2400e	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Cardinal 9600	AT&H1&I1&M6
Codex 2264	AT*FL3*SM3
Codex 3220	AT*FL3*DC1
Codex 3220 Plus	AT*FL3*DC1
Codex 3260	AT*FL3*DC1
Codex 3260 Fast	AT*FL3*DC1
Codex 3261	AT*FL3*DC1
Codex 3261 Fast	AT*FL3*DC1
Codex 3262	AT*FL3*DC1
Codex 3262 Fast	AT*FL3*DC1
Codex 3263	AT*FL3*DC1
Codex 3263 Fast	AT*FL3*DC1
Codex 3265	AT*FL3*DC1
Codex 3265 Fast	AT*FL3*DC1
Codex 326x - FRN	AT*FL3*DC1
Codex 326x FAST - FRN	AT*FL3*DC1
Codex V.34R	AT*FL3*DC1
ComCom Spirit II - GER	AT*F3*E9
ComCom Spirit TERBO - GER	AT*F3*E9
Compaq 2400 PCMCIA	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Compaq SpeedPAQ 144	AT\\Q3&C1
Compaq SpeedPAQ 144 - GER	AT\\Q3&C1
Compaq SpeedPAQ 144 PCMCIA	AT\\Q3&C1
Creatix LC144VF - GER	AT%C3&K3
Creatix LC288FC - GER	AT%C3&K3
DATACONSIST DAC124 - ITA	AT&K3*E1
DIGICOM SNM28 - ITA	AT\\Q3&C1
DP Defender 1000D Hayes Ultra	ATS46=2&K3
DSI 9624E	AT*F3*E9
DSI 9624LE Plus	AT*F3*E9
DYNALINK - SWE	AT&K3&C1
DataRace RediModem V.32bis	AT\\Q3&C1
Dataflex Rapier+ V32Bis - UK	AT%C3&K3
Datatrek 2424AMH	AT\\Q3
Datatrek Elite 624D	AT%C0
Datatrek V.32	AT\\Q3-M0 \\V0
Digicom Scout	AT*F3*E9
Digicom Scout Plus	AT*F3*E9
Dr Neuhaus Fury 14400 TI - GER	AT\\Q3
Dr Neuhaus Fury 19200 TI - GER	AT\\Q3
Dr Neuhaus Fury 2403 TI - GER	AT&Q5\\Q3
Dr Neuhaus Niccy 3000 TI - GER	AT&C1&D2\\Q3
Dr Neuhaus Smarty 144 TI - GER	AT\\Q3
Dr Neuhaus Smarty 24 TI - GER	AT
EEH Elink 29-3 ISDN - GER	AT%CI\\Q3
EEH Elink 29-3 analog - GER	AT\\N3&C1\\Q3

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EEH Elink 301 - GER	ATM\\Q3
EEH Elink 310 - GER	AT%C1\\Q3
EEH Elink 32 - GER	AT%C1\\Q3
EEH Elink 32-3 ISDN - GER	AT%C1\\Q3
EEH Elink 32-3 analog - GER	AT\\N3%C1\\Q3
ELISA 144 - GER	AT%C3\\Q3
ELSA MicroLink 14.4 PC - GER	AT%C3\\Q3
ELSA MicroLink 14.4 T - GER	AT%C3\\Q3
ELSA MicroLink 14.4 TL - GER	AT%C3\\Q3
ELSA MicroLink 14.4 TM - GER	AT%C3\\Q3
ELSA MicroLink 14.4MC - GER	AT&K3%C3
ELSA MicroLink 2440T - GER	AT%C3\\Q3
ELSA MicroLink 2440TR - GER	AT%C3\\Q3
ELSA MicroLink 2460MC - GER	AT%C3\\Q3
ELSA MicroLink 2460PC - GER	AT%C3\\Q3
ELSA MicroLink 2460TL - GER	AT%C3\\Q3
ELSA MicroLink 288ooTL - GER	AT%C3\\Q3
ELSA MicroLink ISDN/TL - GER	AT\\Q3
ELSA ZIFF 144 - GER	AT&K3%C3
ETech UFOMATE P1496MX	AT\$F4\$C1
Eiger 144 PCMCIA	AT%C3
Evercom 24	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Evercom 24E	ATZ&C1&D2 V1 S0=0 S2=128 S7=55
Evercom 24E+	AT&F &C1 &D2 Q0 V1 \N1 S0=0 S2=128 S7=55
GENER - Generique 14400 - FRN	AT&K3%C3
GENER GE925 - FRN	AT\\Q3\\N3
GENFAX 14400 - FRN	AT&K3%C3•
GVC FM14400	AT%C1\\Q3
GVC FM14400 - SWE	AT%C1\\Q3
GVC SM2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
GVC SM2400 - SWE	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
GVC SM96	AT%C1\\Q3
GVC SM96 - SWE	AT%C1\\Q3
Gateway 2000 Internal	AT%C1&K3
Gateway 2000 Internal Alt	AT&H1&R2&K1&B1
Gateway 2000 Nomad 14400	AT%C1\\Q3
Gateway 2000 PCMCIA	AT%C3
Generic 144 PCMCIA modem	AT%C3
Hayes Accura 14400	ATS46=2&K3
Hayes Accura 28800	ATS46=2&K3
Hayes Optima 14400	ATS46=2&K3
Hayes Optima 14400 - GER	ATS46=2&K3
Hayes Optima 28800	ATS46=2&K3
Hayes Optima 9600	ATS46=2&K3
Hayes Optima 9600 - GER	ATS46=2&K3
Hayes Optima PCMCIA 14400	ATS46=2&K3
Hayes Pocket Modem 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Hayes Smartmodem 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Hayes Smartmodem 9600	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Hayes Ultra 14400	ATS46=2&K3
Hayes Ultra 14400 - GER	ATS46=2&K3
Hayes Ultra 14400 - UK	ATS46=2&K3
Hayes Ultra 9600	ATS46=2&K3
Hayes Ultra 9600 - GER	ATS46=2&K3



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Modem Type / Model	Initialization String
Hayes V Series Smartmodem 9600	AT&K3S46=2
Hidem 14400/FAX - SWE	AT%CI\\Q3
Hidem 2442P/FAX - SWE	AT%CI\\Q3
Holmes 14.4 all models - GER	AT&K3%CI
IBM 14400 PCMCIA	AT%CI
Infotel 1414VQE External	ATS46=2&K3
Intel 14400 PCMCIA	AT%CI
Intel 14400EX	AT\\Q3%CIH3
Intel 9600EX	AT\\Q3%CIH3
Intel SatisFaction - UK	AT&F&CI&D2 V1 S0=0 S2=128 S7=55
Intel SatisFaction 100	AT&F&CI&D2 V1 S0=0 S2=128 S7=55
Intel SatisFaction 400e	AT\\Q3%CIH3
KORTEX KXPRO 2400 - FRN	AT&K3%CI
KORTEX KXPRO 144 BOX - FRN	AT&K3%CI
KORTEX KXPRO 144 CARTES - FRN	AT&K3%CI
KORTEX KXPRO 9600 - FRN	AT&K3%CI
Kingston DataRex PCMCIA 144	AT%CI
LASAT Unique 144 - SWE	AT&K3%CI
LCE 126P - FRN	AT&K3%CI
LCE 132P - FRN	AT&K4Z12
LIGHTFAX 1440LC - SWE	AT&K3%CI
LOGEM 914 - GER	AT%CI\\Q2
LOGEM 928 - GER	AT%CI\\Q2
M. Bullet 100E V.34 - CH	AT\$F4\$CI
M. Bullet E1414MX - CH	AT\$F4\$CI
M. Bullet ModemMan - CH	AT\$F4\$CI
M. Bullet ModemMan V.terbo - CH	AT\$F4\$CI
M. Bullet PC1414MX - CH	AT\$F4\$CI
M. Bullet PC192MX V.terbo - CH	AT\$F4\$CI
M. Bullet PCMCIA 1414M - CH	AT\$F4\$CI
M. CashCom - CH	AT&K3%CI
M. SpiderMan - CH	AT&K3%CI
Macronix Maxlite Fax 9696	AT&K3%CI&M3
Macronix VOMAX 2000	AT&F&CI&D2 V1 S0=0 S2=128 S7=55
Maestro 144FMEI - AUS	AT&F&CI&D2 X1 S0=0 S2=128 S7=60
Maestro RC224FMI - AUS	AT&F&CI&D2 V1 X1 S0=0 S2=128 S7=55
Megahertz Alternative	ATS46=2&K3
Megahertz C5144 for Compaq LTE	AT\\Q3%CI
Megahertz C596FM for CompaqLTE	AT\\Q3%CI
Megahertz P2144 AA Batteries	AT\\Q3%CI
Megahertz P2144 Pkt Faxmodem	AT&Q5%CI
Megahertz P296FMV AA Batteries	AT\\Q3%CI
Megahertz T3144 for Toshiba	AT\\Q3%CI
Megahertz T396FM for Toshiba	AT\\Q3%CI
Megahertz XJack PCMCIA 144	AT%CI
Megahertz XJack PCMCIA 288	AT%CI
Megahertz Z3144 for Zenith	AT\\Q3%CI
Megahertz Z396FM for Zenith	AT\\Q3%CI
Metricom Wireless 9600	AT&F&CI&D2 S0=0 S2=127 S7=55
MicroCom DeskPorte FAST	AT%CI\\Q3
MicroCom DeskPorte FAST ES28.8	AT%CI&K3
MicroCom DeskPorte V.34	AT%CI\\Q3
MicroCom QX 4232bis	AT
MicroCom TravelCard 288 PCMCIA	AT%CI\\Q3
MicroComQX 4232HS	AT%CI\\Q3
MicroGate MG144	AT&K3%CI
MicroGate MG96	AT&K3%CI

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MicroPorte 1042	AT\\Q3%C3
Modem Blaster 144 PCMCIA	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Motorola Power 288	AT\\Q3%C1
MultiTech MT932 - SWE	AT&E15&E4
MultiTech MultiModem 224	AT&E15&E4
MultiTech MultiModem MT1432	AT&E15&E4
MultiTech MultiModem MT2834	AT&E15&E4
MultiTech MultiModem MT932	AT&E15&E4
NEC 14.4 Data/Fax PCMCIA	AT\\Q3%C1
NEC 9635E Plus	AT%Cl\\Q3
Netcomm Pocket M/F 2400-AUS	AT&F&C1&D2 V1 X1 S0=0 S2=128 S7=55
Netcomm Pocket Rocket PA- AUS	AT&K3%C3
Netcomm Smartmodem E7F - AUS	AT&K3%C3
New Media 144 PCMCIA	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
NoteWorthy 14400 PCMCIA	AT%C3
Octocom 8324	AT&K3*E1
Octocom 8396	AT&K3*E1
PDI-1000	AT&K3
PIAL FAXMOD PC - FRN	AT&K3%C3
PNB AMAZONE 2400 - FRN	AT\\Q3%C1
PNB Baby RIO 14400 - FRN	AT%Cl
Practical Peripherals 14400FX	AT&K3S46=2
Practical Peripherals 14400MT	AT&K3S46=2
Practical Peripherals 14400SA	AT&K3S46=2
Practical Peripherals 2400MNP	AT&F&C2&D2 V1 S0=0 S2=128 S7=55 &Q0
Practical Peripherals 2400SA	AT&F&D2 V1 S0=0 S2=128 S7=55
Practical Peripherals 9600FX	AT&K3S46=138
Practical Peripherals 9600SA	AT&K3S46=138
Practical Peripherals PC288MT	AT&K3S46=2
Practical Peripherals PC288SA	AT&K3S46=2
Practical Peripherals PM288PKT	AT&K3S46=2
Practical Peripherals2400 Pkt	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Practical ProClass 144 PCMCIA	ATS46=2&K3
Psion Dacom PDM 50F - UK	AT%C3&K3
QUATERNAIRE V32.BIS - FRN	AT%Cl
Racal ALM 3226	AT&K3%Cl
Racal GSM w/ Hayes Ultra	ATS46=2&K3
Racal RMD 2412	AT*F2*D0
Racal RMD 2412/2	AT*F2*D0
Racal RMD 2422	AT*F2*D0
Racal RMD 3221	AT*F2*D1
Racal RMD 3222	AT\\Q1\\M0
Racal RMD 3223	AT\\Q1\\M0
Racal RMD 3226	AT&K3%Cl
Racal RMD 9632PA	AT\\Q1\\C5
Racal RMD 9642PA	AT \\N0
SAT 14402 - FRN	AT
SBN 2314C - SWE	AT\\Q3%C1
SD ACM400 w/ AT&T 3820	AT\\Q3%ClH3
SEMAFOR 1496A - SWE	AT\\Q3%C1
SEMAFOR 2324C - SWE	AT\\Q3%C1
SYSNET SMF-04 - ITA	AT%Cl&K3
SYSNET SMF-36 - ITA	AT%Cl&K3
Smartlink Pocket 2400 - UK	AT&F&C1&D2 V1 S0=0 S2=128 S7=55



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Modem Type / Model	Initialization String
Smartlink V32Bis/Fax - UK	AT%C3&K3
Supra COM CARD 144 PCMCIA	AT%C3
Supra Fax Modem 288	AT&K3%C1
Supra Fax Modem 288 internal	AT&K3%C1
Supra Fax Modem 9624 Internal	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Supra Fax Modem Plus	AT&K3%C1
Supra Fax Modem V32	AT&K3%C1
Supra Fax Modem V32bis	AT&K3%C3
SupraModem 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
TOSHIBA SLIM ASYNC - FRN	AT\\Q3%C1
TOSHIBA SLIM FAX / 2400 - FRN	AT\\Q3
TOSHIBA SLIM SYNC - FRN	AT&K3%C3
Telebit QBlazer	AT S58=2S190=1
Telebit T1000	AT~&F S53=1 S52=1 S58=0 S0=0 S55=3 S54=3
Telebit T1500	ATS58=2 S68=255S97=1 S106=1 S98=0
Telebit T1600	AT
Telebit T2000	AT
Telebit T2500	ATS96=1 S98=3S58=2 S68=255 S50=6
Telebit T3000	ATS58=2 S68=255S190=1 S180=2
Telebit TrailBlazer Plus	ATS58=2 S68=255S98=3S50=3 S92=1
Telebit WorldBlazer	ATS58=2 S68=255S180=2 S190=1
Telebit WorldBlazer-Rackmount	ATS58=2 S68=255S180=2 S190=1Q0
Telejet 14400 - GER	AT&K3%C3
Telelink IMS08 - GER	AT&K3%C1
Tornado 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Tornado 96	AT%C1\\Q3
Tornado FM14400	AT%C1\\Q3
UCOM FASTLINK 144 - SWE	AT&K3%C2
UDS Motorola CELlect 144	AT\\Q3%C1
UDS Motorola FasTalk II	AT\\Q3%C1
UDS Motorola FasTalk V.32/42b	AT
UDS Motorola FasTalk V32- SWE	AT
UDS Motorola V.3225	AT&F&C1&D2 V1 S0=0 S2=128 S7=55 %C0 \\N1
UDS Motorola V.3227	AT\\Q3%C1
UDS Motorola V.3229	AT\\Q3%C1
UDS Motorola V.3400	AT\\Q3%C1
UFOMATE P1496MX - SWE	AT\$F4\$C1
US Robotics 288 PCMCIA	AT&b1&c1&d2b0x4&h1&r2&k3
US Robotics Courier Dual	AT&R2&H1&K1
US Robotics Courier HST	AT
US Robotics Courier V.32bis	AT&R2&H1&K1
US Robotics Sportster 14400	AT&H1&R2&K1&B1
US Robotics Sportster 2400	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
US Robotics Sportster 28800 V34	AT&b1&c1&d2b0x4&h1&r2&k3
US Robotics Sportster 28800 VFC	AT&b1&c1&d2b0x4&h1&r2&k3
US Robotics Sportster 9600	AT&H1&R2&K1
US Robotics V32bis Quad Digital	AT&H1&R2&K1&B1
US Robotics Worldport 14400	AT&R2&H1&K1
USR Courier V.32bis - SWE	AT&R2&H1&K1
USR Sportster 14400 - SWE	AT&H1&R2&K1&B1
USR Worldport 14400 - SWE	AT&R2&H1&K1
USR Worldport 14400 - UK	AT&R2&H1&K1
USRobotics General	AT&b1&c1&d2b0x4&h1&r2&k3
Ven-Tel 14400 Fax	AT&K3%C1
Ven-Tel 14400 Fax Internal	AT&K3%C1
Ven-Tel 9600 Plus II	AT
Ven-Tel ECV 32bis II	AT\\Q3%C1

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Ven-Tel Pocket 24 V.42bis FAX	AT&K3%C3
ViVa 144 Fax	ATS46=2&K3
Western Datacom Worldcom	AT&K3%C1
Xircom Ethernet+Modem PCMCIA	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Zoom AFX	AT&F&C1&D2 V1 S0=0 S2=128 S7=55
Zoom FX 9624V	AT&K3%C1
Zoom VFP 28.8 internal	AT&K3%C3
Zoom VFX V.32bis	AT&K3%C1
ZyXEL U-1496 Plus	AT&H3&K4
ZyXEL U-1496A Plus - AUT	AT&H3&K4
ZyXEL U-1496B Plus	AT&H3&K4
ZyXEL U-1496E Plus	AT&H3&K4
ZyXEL U-1496EA - AUT	AT&H3&K4
ZyXEL U-1496EA Plus - AUT	AT&H3&K4
ZyXEL U-1496EG - GER	AT&H3&K4
ZyXEL U-1496EG Plus - GER	AT&H3&K4
ZyXEL U-1496G Plus - GER	AT&H3&K4
ZyXEL U-1496R	AT&H3&K4
ZyXEL U-1496R - AUT	AT&H3&K4
ZyXEL U-1496R Plus	AT&H3&K4
ZyXEL U-1496R Plus - AUT	AT&H3&K4
ZyXEL U-1496RN	AT&H3&K4
ZyXEL U-1496RN - AUT	AT&H3&K4
ZyXEL U-1496RN plus	AT&H3&K4
ZyXEL U-1496SN Plus	AT&H3&K4
ZyXel U-1496	AT&H3&K4
ZyXel U-1496+	AT&H3&K4
ZyXel U-1496B	AT&H3&K4
ZyXel U-1496B+	AT&H3&K4
ZyXel U-1496E	AT&H3&K4
ZyXel U-1496E+	AT&H3&K4
ZyXel U-1496P	AT&H3&K4
ke WorldBlazer - GER	ATS58=2 S68=255S180=2 S190=1

