



COURIER I-MODEM RELEASE NOTES

New Features

The following new features have been added to your modem since the 2.2.2 release:

- ◆ V.90 Server Capabilities
- ◆ Microsoft Encrypted Password Authentication
- ◆ Outgoing V.110 Rate Selection
- ◆ A-Law and u-Law Companding Methods

Year 2000 Compliance

For information on Year 2000 compliance and 3Com products, visit the 3Com Year 2000 web page:

<http://www.3com.com/products/yr2000.html>

New AT Commands

The following table includes a list of all AT commands needed to use these new features. See the **Command Reference** for more information regarding bit-mapped registers.

In order to		Command
Enable V.90 (Default)		ATS58.5=0
Disable V.90		ATS58.5=1
Disable the asterisk (*) key on the analogue device port as a redial		ATS68.5=1
Use the asterisk (*) key as redial		ATS68.5=0
Enable V.110 fixed rate calls (38.4 kbps)		ATS80.3=1
Use S-Register 46 to set the outgoing V.110 rate.		ATS80.3=0
S46=	kbps	
0	38.4	ATS46=0
1	19.2	ATS46=1
2	9.6	ATS46=2
3	4.8	ATS46=3
4	2.4	ATS46=4
5	1.2	ATS46=5
6	0.6	ATS46=6
Enable A-Law encoding		AT*W=nA
See the <i>Command Reference Manual</i> for more information regarding the switch protocol type.		where n is the switch protocol type.
Enable u-Law encoding		AT*W=nU
See the <i>Command Reference Manual</i> for more information regarding the switch protocol type.		where n is the switch protocol type.

V.90

The I-Modem now has V.90 server capabilities. By default, V.90 server is enabled on your modem.

V.90 analogue clients can call into your I-Modem to get V.90 connections. The analogue device port is not able to act as a V.90 server.

Microsoft Encrypted Password

If the I-Modem is connecting to a server that supports Microsoft Encrypted Password Authentication, the I-Modem will respond to the server using the same protocol. However, the I-Modem will communicate with your computer using Password Authentication Protocol (PAP).



Since your computer must communicate using PAP, the software on your computer should not be configured to ONLY accept Microsoft Encrypted Password.

Your modem will translate PAP into Microsoft Encryption Password Authentication to communicate with the server. The password will be clear-text over the serial cable between your computer and the modem. Once the password is on the ISDN telephone network, the password will be encrypted.

Outgoing V.110 Rate Selection

You can now select the outgoing V.110 rate. This feature was added to your I-Modem for compatibility. It allows each user to set a specific default outgoing rate.

A-Law and u-Law Companding Methods

You can choose companding methods for a particular switch for the analogue device port and V.90 calls. Companding methods will either be A-Law or u-Law. To set the companding method to A-Law send `AT*W=nA` (where *n* is the switch protocol type) to the I-Modem. See the *Command Reference Manual* for more information about the switch protocol type.

New Connect Messages

The table below includes all new connect messages.

Message	#	Message	#
300/DIGITAL	244	28000/ARQ/V90	259
600/DIGITAL	245	29333	260
1200/DIGITAL	246	29333/ARQ	261
2400/DIGITAL	247	29333/V90	262
3600/DIGITAL	248	29333/ARQ/V90	263
4800/DIGITAL	249	30666	264
7200/DIGITAL	250	30666/ARQ	265
9600/DIGITAL	251	30666/V90	266
12000/DIGITAL	252	30666/ARQ/V90	267
14400/DIGITAL	253	32000	268
19200/DIGITAL	254	32000/ARQ	269
38400/DIGITAL	255	32000/V90	270
28000	256	32000/ARQ/V90	271
28000/ARQ	257	34666	272
28000/V90	258	34666/ARQ	273

Message	#	Message	#
34666/V90	274	44000/V90	296
34666/ARQ/V90	275	44000/ARQ/V90	297
36000	276	45333/V90	298
36000/ARQ	277	45333/ARQ/V90	299
36000/V90	278	46666/V90	300
36000/ARQ/V90	279	46666/ARQ/V90	301
38666	280	48000/V90	302
38666/ARQ	281	48000/ARQ/V90	303
38666/V90	282	49333/V90	304
38666/ARQ/V90	283	49333/ARQ/V90	305
40000	284	50666/V90	306
40000/ARQ	285	50666/ARQ/V90	307
40000/V90	286	52000/V90	308
40000/ARQ/V90	287	52000/ARQ/V90	309
33333/V90	288	53333/V90	310
33333/ARQ/V90	289	53333/ARQ/V90	311
37333/V90	290	54666/V90	312
37333/ARQ/V90	291	54666/ARQ/V90	313
41333/V90	292	56000/V90	314
41333/ARQ/V90	293	56000/ARQ/V90	315
42666/V90	294	57333/V90	316
42666/ARQ/V90	295	57333/ARQ/V90	317

Copyright © 1998, 3Com Corporation. All rights reserved.

Unless otherwise indicated, 3Com registered trademarks are registered in the United States and may or may not be registered in other countries.

3Com, Boundary Routing, LANplex, LinkBuilder, NETBuilder, NETBuilder II, Parallel Tasking, EtherDisk, EtherLink, EtherLink II, NetAge, SmartAgent, SuperStack, TokenDisk, TokenLink, Transcend, and ViewBuilder are registered trademarks of 3Com Corporation. FDDILink, FMS, and NetProbe are trademarks of 3Com Corporation. 3ComFacts is a service mark of 3Com Corporation

Other brand and product names may be registered trademarks or trademarks of their respective holders.