AT–E1	enable error correction
AT%C1	enable data compression
AT%C0 –E0	disable both error correction and data compression
ATX3	if your dial tone is non-standard
AT%K2%U2	enable the H/W flow control
AT%K1%U1	enable XON/XOFF flow control

Making a Call: ATD (phone number)

before phone number	P	use Pulse dialling
	T	use Tone dialling
within phone number	W	wait for 2nd dial tone
	,	pause before continuing

To abandon a call before it connects to the remote modem: type any character on the DTE port.

Incoming Calls:

ATS0=0	disable auto-answer
ATS0=n	enable auto-answer (after n rings)

ATA to answer immediately

To abandon an answer sequence whilst it is in progress: type any character.

Telephone Directory (Ch 7.1 & 7.2)**:**

ATNn&Znn	store number nn in directory location
AT&N	display directory
ATDNn	dial number stored in location n
ATNn&Z	delete number from location n

Stored Profiles (Ch 5.4)**:**

AT&Wn	store current set-up in profile n
ATZn	configure modem to profile n
AT&Yn	select profile n to be loaded on power-on
AT&F	temporarily restore default factory set-up.

Powering on the modem with no buttons pressed will load the power-on profile.

To reset the entire modem, including user profiles and telephone directory to factory standard: turn off the power. Hold the **DATA** button in, then turn on the power. Keep the button held in for about 3 seconds, then release it. Note that this will clear the phone directory entries.

Leased Line Operation (Ch 6.5)

The modem is supplied set for PSTN use (AT&L0). For Leased Line:

AT&L1	sets 2-wire
AT&L3	sets 4-wire

Help (Ch 4.5)**:**

Help screens for AT commands.

AT&H0	Help on Help
AT&H1	Help on Dialling
AT&H2	Help on Security
AT&H3	Help on Asynchronous Commands
AT&H4	Help on Synchronous Commands

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Quattro SM

Quick Setup Guide

Quattro SM144/SM144R

Quattro SM288/SM288R

The Quattro SM is a high speed, asynchronous and synchronous modem for use on dial-up and leased lines. For full information, please refer to the Reference Manual.

References in brackets (e.g. Ch 2), point to the chapters in the manual where more-detailed information can be found.

What is included?

The following items should be included in the package:

- Quattro SM Modem
- Quattro SM Reference Manual
- Command Port Cable (standalone only)
- Telephone Line Cord(s) (standalone only)
- Mains Cable (standalone only)

If any of these items are missing, please contact your supplier immediately.

Installing the Modem (Ch 2)

Modem installation is described fully in Chapter 2 of the Reference Manual.

For safety reasons and to comply with the approval regulations we recommend that you read the Installation chapter carefully and follow the modem installation instructions.

Installing the Rackmount Modem (Ch 2.4)

The Quattro SM144R and SM288R are designed for use in the Case Communications Network 16/ICF card frame system. Each slot in the card frame has a DTE connector and line cord terminal block on the rear panel. The Command Port is connected to the card frame controller card, which recognises the presence of the modem card and allows communication with it from a command terminal.

For rack users with controller software earlier than 01/04/A, to communicate with the modem on connection to its channel, you must enter:

AT–YE1V1–Z1/S1 –Y1<CR>

For more information refer to the appropriate rack reference manual.

Connecting the Modem to your DTE (Ch 2.2)

The end of your DTE cable terminated with a 25-way male plug, should be plugged into the modem. The other end should be connected to your DTE. The rack modem should have the rear panel DTE connector of the appropriate card frame slot connected to the DTE in the same way as the standalone.

Connecting the Standalone Modem Command Port (Ch 2.2.3)

The Command Port cable should be plugged into the stereo jack socket on the rear panel of the modem. A DTE cable terminated with a 25-way male plug should be plugged into the free end of the Command Port cable. The other end should be connected to an asynchronous terminal or a PC running a communications or terminal emulation package. This should be set for 9600 bps, 7 data bits, 1 stop bit, Even parity.

Connecting the Modem to the Telephone Line

The standalone modem's PSTN socket is used to connect to a dial-up line, and the PW socket is used to connect to a leased line.

The rack modem should have the rear panel terminal block of the appropriate card frame slot wired as shown in Appendix D.3 of the manual.

Multiple Ports (Ch 3.2.3)

The modem has two ports, the Command (COM) Port (n=0) and DTE port (n=1). Normally commands are entered via the COM Port and data via the DTE port. Use the AT-Yn command to select the port you want commands to affect.

Front Panel Buttons

Limited operation is possible from the front panel buttons.

With **ALT** not pressed:

DATA	toggles modem on-line/off-line
ANS	sets modem into ANSWER mode
AL	selects Analogue Loop (Ch 10.3)
RDL	selects Remote Digital Loop (Ch 10.3)
TP	activates in-built test patterns for (Ch 10.3) use with **AL** and **RDL**.

With **ALT** pressed:

4, **2**, **1** with **DIAL** selects 1 of 8 prestored telephone numbers (Ch 7.2.1).

4, **2**, **1** with **LOAD** selects 1 of 16 configurations (Ch 5.3)

Useful AT Commands (Ch 3.4 & Ch 8)

All AT language commands begin with the letters AT and end with a carriage return <CR>. Spaces are ignored. The COM Port accepts speeds 9600 bps (standalone) and 1200 bps (rackmount), 7E1.

Display Current Setup:

AT*C and AT*S

Before Making a Call (refer to manual for other values of n):

ATFn to select modulation type, principal values of n:

0	automatic
5	V.22*bis*, 2400 bps
24	V.32, 9600 bps
36	V.32*bis*, 14400 bps
51	V.34, 28800 bps (SM 288 only)