

# PUT YOUR MICRO ON THE PHONE



**G&C**  
**DATACHAT**  
MODEM  
**1223**

DATACHAT is a GEC Trade Mark

GEC Telecommunications Limited is a Management Company of The General Electric Company, p.l.c., of England

# DATACHAT 1223 KEEPS YOUR MICRO IN TOUCH

Get yourself and your micro into the data communications age with the new GEC Datachat 1223 modem.

Datachat gives you access to a huge amount of information held on databases such as Prestel and Micronet 800.

It lets you communicate through electronic mail systems like Telecom.Gold and join in bulletin board conversations right across the country.

It means you can chat and swap programs directly with other micro users.

And it allows you to control your bank account, pay bills and check statements, as well as ordering and paying for goods through electronic shopping systems.

The Datachat 1223 simply connects between your computer and telephone socket. It turns your micro into an information retrieval system, an interactive communications terminal, a finance management centre, an ordering computer for a wide range of goods and services, and a great deal more besides.

Datachat is cheap to use, too. Off-peak local calls can cost as little as 40p an hour\*.

And because Datachat 1223 is powered from the telephone line, there's no mains supply or batteries to pay for.

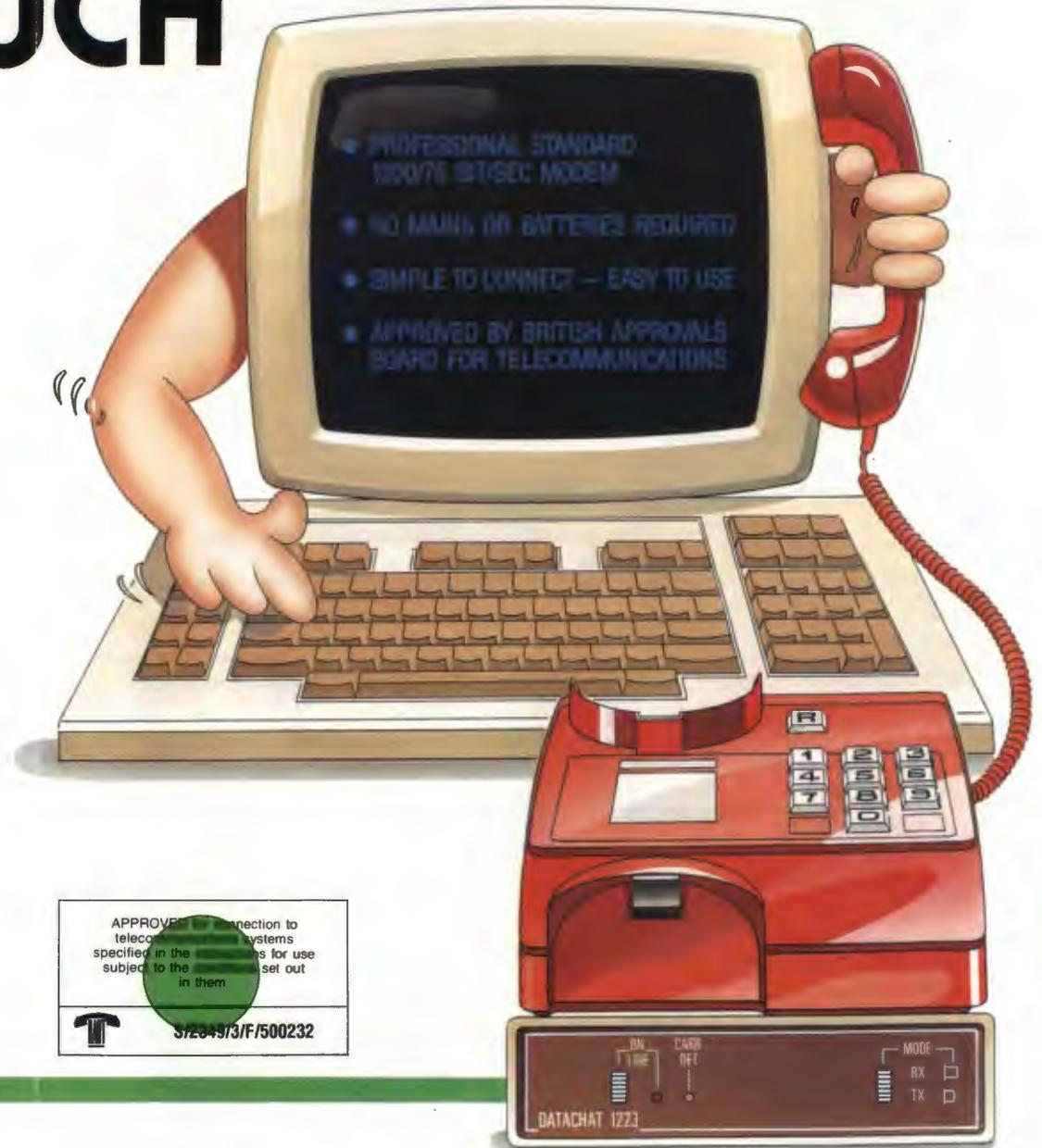
Designed and manufactured in the United Kingdom to professional standards by GEC Telecommunications Limited, Datachat 1223 is ideal for both business and home users.

In technical terms, it's compatible with the international CCITT V.23 standard, providing 75/1200 bit/sec communication. And it's fully approved by the British Approvals Board for Telecommunications.

Your dealer will be able to tell you whether your computer is compatible with Datachat 1223, and if you'll need any communications software.

So go along and talk to your dealer soon, and get into the data communications age.

\*Prices correct at time of going to press.



APPROVED connection to telecommunication systems specified in the standards for use subject to the conditions set out in them



S/2343/F/500232

# SPECIFICATION

## Modem 1223

### Line Interface

CONNECTOR — type A standard BT '600 series' wall socket

### Power

Line powered. Line current is provided by a standard telephone line.

### Data Rates

TRANSMIT MODE — Transmit 1200 bit/s  
Receive 75 bit/s

RECEIVE MODE — Transmit 75 bit/s  
Receive 1200 bit/s

In accordance with CCITT recommendation V23.  
1200/1200 bit/s pseudo full duplex is possible under control of the terminal software

### Data Interface

CONNECTOR — type In accordance with CCITT recommendation V24 and RS 232C.

	CCITT DESIGNATION	RS 232 DESIGNATION	PIN NUMBER
— pin connections			
— common return (GND)	102	AB	3
— transmitted data (Tx D)	103	BA	1
— received data (Rx D)	104	BB	5
— request to send (RTS)	105	CA	2
— data channel received line signal detector (DCD)	109	CF	4

### Transmitter

FORMAT Asynchronous frequency shift keyed modulator (FSK).  
LEVEL -9 dBm maximum into 600 ohms.

### Receiver

FORMAT Asynchronous frequency shift keyed demodulator (FSK).  
SENSITIVITY 0 to -43 dBm in any mode.

### Frequency Allocation

Binary 0 2100 Hz at 0 — 1200 bit/s  
Binary 1 1300 Hz  
Binary 0 450 Hz  
Binary 1 390 Hz at 0 — 75 bit/s

### Data Channel Received

'ON' at > -43 dBm

'OFF' at < -48 dBm

### Software Mode Control

REQUEST TO SEND 'ON' transmit mode  
'OFF' receive mode

### Dimensions

140mm wide, 210mm deep,  
45mm high

### Weight

0.8 kg approximately

UK PATENT APPLN. NO. 8501455



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### Modem Division Sales

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BD79A 15m P885 Data subject to change without notice