

*** EINSTEIN ***

TATUNG/XtalDOS 1.31
Ø:DISP COM.DOC

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TERMINAL PROGRAM FOR EINSTEIN
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The program COM.COM has been written to test the capability of the EINSTEIN operating as a terminal. In this mode, the RS232 port should be connected to a modem, which in turn is connected to a telephone line.

To operate, follow these instructions:

1. Select the Baud rate using the 'B' command in MOS.

Examples:

B3 Set 300 baud both ways.

B5 Set 1200 baud both ways.

B50 Set 75 baud transmit, 1200 baud receive.

2. Type Ctrl-BREAK to run up DOS, using the disc containing the COM.COM program.

- 3 Type COM<ENTER>. You will be presented with an introductory message, indicating that EINSTEIN is now behaving as a full-duplex terminal.

- 4 To return the terminal program to DOS, press shift-<BREAK>. It will subsequently be found that all received data has been stored in a file MSG.xyz, where xyz is a serial number in the range 001-999. COM automatically creates a new MSG file when run up, starting from MSG.001 and, in this way, it is possible to keep a records of each call. The buffer for the file is unlikely to overflow (it is about 50k!) but, in that event, a handshake signal is automatically sent down the line to tell the remote terminal to stop sending.

HANDSHAKING

Handshaking is incorporated in this version, using the XON/XOFF protocol. (XON is ctrl-Q, and XOFF is ctrl-S.) When either end receives an XOFF code, that end will not transmit any more characters, until an XON code has been received.

ECHO MODE

As COM stands, although characters typed will be echoed back to the CRT by the modem while in the command mode, it does not echo back while you are actually talking to another EINSTEIN with the identical setup. This can be simply altered by ONE end pressing Ctrl-E. It will then be found that BOTH terminals will echo back characters typed. NOTE, however, that if both ends type Ctrl-E, the next character sent will be echoed between the two terminals over and over in an infinite loop! This will be somewhat disconcerting, but can easily be restored by either end again typing Ctrl-E, which then turns off echoing from that end (nevertheless, characters WILL still echo as desired if echo mode is still selected at the other end).

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