

ADDITIONAL DOCUMENTATION FOR TERMINAPPLE

USING TERMINAPPLE WITH THE MAESTRO MODEM CARD

Introduction

TERMINAPPLE may now be used with the Maestro modem card. All TERMINAPPLES with serial numbers ending in three (3) will conform to the instructions contained in this leaflet. TERMINAPPLES with serial numbers ending in one (1) or two (2) will not work with the Maestro modem. Before reading this leaflet you should be familiar with the terminology used in the TERMINAPPLE manual as defined on page 3 and pages 15 to 19 of the manual. Similarly if you are not familiar with communications you should study the material in the TERMINAPPLE manual.

Baud Rate Selection

TERMINAPPLE will operate with the Maestro modem at either 300 baud or 1200/75 baud in either answer or originate mode. The baud rate must be set on the Maestro modem through the card's switches and in accordance with instructions found in the card's manual.

After booting your Apple with TERMINAPPLE you will need to select the baud rate in TERMINAPPLE to match the baud rate set on the modem. When you are using the Maestro modem, the title page of TERMINAPPLE will allow you to select between 300 or 1200/75 baud only. On load TERMINAPPLE, the title page will display "300 BAUD <-,>". This is the default baud rate setting in TERMINAPPLE. To select 1200/75 baud simply press either the left or right arrow. When "1200 BAUD <-,>" is displayed on the title page, TERMINAPPLE will operate at 1200/75 baud. Please remember that the baud rate should already have been set on the modem. To reselect 300 baud simply press either the <LEFT-ARROW> or <RIGHT-ARROW> keys while the title page is displayed.

Dialling Numbers

Once the baud rate has been selected, TERMINAL MODE is entered as described in the main TERMINAPPLE manual (see page 15). However at this stage you should ensure that the modem's telephone plug is plugged into the telephone socket.

To dial a telephone number, press <CTRL D> or <CTRL Q> while TERMINAPPLE is in TERMINAL MODE. Once you have done this the screen clears and the message "ENTER PHONE NR:" appears in inverse on the screen. In response, type in the telephone number you wish to dial. If you are dialling through a PABX it may be necessary to insert pauses between the digits of the telephone number you are calling. Pauses of 2 seconds duration may be placed between digits by separating any two digits in the telephone number with any non-digit character (eg. comma). If a mistake is made in typing the telephone number then <ESC> should be pressed and the process should be recommenced from TERMINAL MODE by either pressing <CTRL D> or <CTRL Q>.

When the telephone number has been keyed in press <RETURN>. This will cause the message "DIALLING..." to appear in inverse two lines below. Three seconds later the actual dialling will begin with each digit being displayed as it is dialled. Dialling can be aborted at any stage by pressing any usual key. To indicate that dialling has been aborted, the message "NO CARRIER" will appear in inverse at the bottom of screen. To return to TERMINAL MODE press <ESC>.

Once the number is dialled the cursor drops two lines below the dialled telephone number and your Apple will wait for the remote computer to answer. This is usually indicated by 2 or 3 strange character appearing on your screen followed by a greeting message. Some host computers require a character to be sent first (eg. MIDAS requires the = character, in this case press <=> repeatedly until MIDAS answers).

If no contact is made TERMINAPPLE will stop the call after 45 seconds and the message "NO CARRIER" will appear in inverse at the bottom of screen. Pressing any key during the "ringing" process will stop the call being completed. In these cases, the message "NO CARRIER" will

appear in inverse at the bottom of your screen. To return to TERMINAL MODE press <ESC>.

The last number dialled may be redialled by pressing </> while TERMINAPPLE is in TERMINAL MODE. The screen will clear and the message "DIALLING..." will appear in inverse on the screen. This command will only redial a number that has already been dialled.

NOTE: <CTRL D>, <CTRL Q> or </> can only be used as commands to dial with the Maestro modem while there is no carrier present. At all other times <CTRL D>, <CTRL Q> or </> are legal ASCII characters.

Answer - Originate Mode

Your Maestro modem will work in either answer or originate mode (this is explained in pages 31 to 33 of the TERMINAPPLE manual). When using the Maestro modem, TERMINAPPLE defaults to the originate mode. To select answer mode press <CTRL A> in COMMAND MODE A. Press <ESC> to enter TERMINAL MODE. The word "TERMINAL:" in the PROMPT STATUS LINE will now appear as "TERMINAL*" indicating that the Maestro modem is set to communicate in answer mode. To select originate mode press <CTRL O> in COMMAND MODE A and the PROMPT STATUS LINE will again display "TERMINAL:".

Communicating Using Two Maestro Modems

Using the following procedure it is possible to communicate using two Maestro modems. The two parties concerned should initially establish voice contact and decide which party will be in answer mode and which party will be in originate mode. This is explained in pages 31 to 33 of the TERMINAPPLE manual.

1. Boot and set TERMINAPPLE to half duplex in both computers.
2. By mutual agreement, set one modem to originate mode and the other to answer mode. As explained above this is achieved by pressing <CTRL O> in COMMAND MODE A in the computer to be used in originate mode and, by pressing <CTRL A> in COMMAND MODE A in the computer to be used in answer mode.

3. The calling party should dial the telephone number of the receiving party through the Maestro modem as explained above.
4. When the receiver's telephone rings it should be answered. A high pitched sound will be heard. This sound indicates that the calling party is sending a carrier signal. The telephone should now be unplugged and the modem plugged into the socket. The receiver should then enter COMMAND MODE A and press either <CTRL D> or <CTRL Q>. The link should now be established and you should now be able to communicate.

USING TERMINAPPLE AT 1200/75 BAUD

TERMINAPPLE will now operate at 1200/75 baud provided you are using an Apple //c computer or a Super Serial Card in any other Apple // series computer, connected to a modem capable of operating at 1200/75 baud.

To use TERMINAPPLE in 1200/75 baud mode you will need to select 1200 baud when the title page is displayed on the screen. To enter TERMINAL MODE in 1200/75 baud press <S> instead of the other options labelled <1> to <6> that are displayed in the title page menu. TERMINAPPLE will only support 1200/75 baud in TERMINAL MODE and not VT100 MODE.

Because TERMINAPPLE switches the baud rate on the serial interface between 1200 and 75 baud for incoming and outgoing characters respectively the following word of caution should be noted. When keys are pressed on the keyboard the baud rate is switched to 75 baud consequently if a character is arriving from the host computer it will be processed at 75 baud and not 1200 baud. The result is that the character will be garbled. Accordingly you should not key characters until the host stops sending you characters.

1200/75 baud services : Austpac call 01923
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