Macintosh: Tandy 100 and 102 Connectivity

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TOPIC --

I need to connect a Macintosh to a Tandy Model 100 and to a Tandy Model 102
portable computer for our work group.

DISCUSSION ---

Connecting a Macintosh computer to a Tandy Model 100 or Tandy Model 102
portable computer requires a cable and communications software. Here are
the pinouts for the cable:

• Macintosh 128K, Macintosh 512K, and Macintosh 512Ke to Tandy Model 100
  and Tandy Model 102 cable:

```
  Macintosh (DB-9 male)        Tandy (DB-25 male)
  ---------------------        ------------------
        3                              7
        5                              3
        7                              6, 8, and 20 (tied together)
        9                              2
                                       4, 5 (tied together)
```

• All other Macintosh models (from Macintosh Plus onward) to Tandy Model
  100 and Tandy Model 102 cable:

```
  Macintosh (Mini-Circular 8 male)    Tandy (DB-25 male)
  -------------------------------     ------------------
        2                              6, 8, and 20 (tied together)
        3                              3
        4                              7
        5                              2
                                       4, 5 (tied together)
```

Note: A Macintosh (DB-9)-to-ImageWriter I cable (Service Part #590-0169)
properly connects a Macintosh 128K, Macintosh 512K, and Macintosh 512Ke to
the Tandy Model 100 and Tandy Model 102 computers. The same cable connects
the Macintosh Plus, Macintosh SE, and Macintosh II to the Tandy Model 100

and Tandy Model 102 computers, if used in conjunction with the Macintosh
Plus Peripheral Adapter Cable (Service Part #590-0341 or #590-0553).

Using this custom cable and a terminal program for the Macintosh, you
should be able to transfer files between the Tandy computers and the
Macintosh with no difficulty. The Macintosh will think it's talking to an
external modem; the terminal program will let you "talk" to the Tandy
computers, or upload or download from the Tandy computer as if it were a
mainframe. The Tandy, of course, uses its built-in TELCOM program in the
TERM mode and can upload and download files, as if it were talking to a
mainframe.

The communication parameters must be the same at each end: baud rate, stop
bits, XON/XOFF, and so on. A commonly used parameter for the Model 100 is
77I1E for 4800 baud, 7-bit, Ignore parity, 1 stop bit, and XON/XOFF enabled
(although you could choose other baud rates or other parameters).
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