Macintosh Plus: Modem 300 & Modem 1200 cable pinouts

Article Created: 19 February 1986
Article Last Reviewed: 2 July 1992
Article Last Updated:

Below is the wiring diagram of the connection between a Macintosh Plus and
an Apple Modem 300 & 1200. Cables 1 and 2 may be used together for the
connection or a custom cable 3 may be constructed.

CABLE 1

```
                    Macintosh Modem Cable
                          590-0197


                    Macintosh          Apple Modem
                    Connector          Connector
                      (DB-9)            (DB-9)


Comments              Signal  Pin      Pin  Signal  Comments
                       Name                  Name


Chassis,frame Ground    GND   1  <-+->  8    GND     Chassis,Frame Ground
                                  |
Signal Ground          SGND   3  <-+->  3    SGND    Signal Ground
Output; Transmit Data   TXD   5  <--->  9    RCD     Input; Receive Data
12-Volt Line                  6  <--->  6    DTR
Output; Ready to Send   RTS   7  <--->  7    DCD     Input; Data Carrier Detect
Input; Receive Data     RCD   9  <--->  5    TXD     Output; Transmit Data
```

NOTE: There are many variations on connecting pins 1, 3 and 8, but the basic
       intent is to bring all three of those pins to ground on the Mac side.
       Connect Signal Ground to Chassis Ground if you want a slightly better
       noise margin.

CABLE 2

```
          Macintosh Plus Circular 8 to DB-9 Adapter
                         699-0372


Circular 8          Signal              DB-9
    1           HSKo (+12V)               6
    2           HSKi                      7
    3           TXD-                      5
    4           GND                       3*
```

```
     5          RXD-                      9
     6          TXD+                      4
     7          No Wire
     8          RXD+                      8
                GND                       1*
```

* Pins 1 and 3 on the DB-9 end are jumpered together.

The pins on the male end of the circular 8 connector are numbered as shown:

```
       6 7 8
      3 4   5
        1 2
```

CABLE 3

         Macintosh Plus Circular 8 to DB-9 Custom Cable

```
Circular 8                    DB-9
    1   HSKo (+12V)            6   DTR
    2   HSKi                   7   DCD
    3   TXD-                   9   RCD
    4   GND                    3,8 SGND,GND
    5   RXD-                   5   TXD
    6   TXD+                   No Wire
    7   No Wire                No Wire
    8   RXD+                   8   GND
```
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Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 1762