



# Tech Info Library

## Apple Data Modem 2400: Pinouts and Hardware Description

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Security: Everyone

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### Front Panel

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- Green LED  
This indicates that the modem is powered on and the serial signal from the computer is routed to the modem. (Normal startup state)
- Amber LED  
This indicates that the modem is powered on and the serial signal is passing through the modem and is being routed out of a second serial port on the modem.
- Mode Switch  
This is used to toggle between the modem and the pass-through serial ports.
  - The Mode switch state is indicated by the two LEDs.
  - The Mode switch is situated between the LEDs on the front panel.
  - The Mode switch is inactive when the modem is connected to a remote modem.
  - The Mode switch can be used to reset the modem to the factory settings. If the Mode switch is held down during power-up, the modem reads its settings from the ROM. (This is the hardware equivalent of the "AT&F" command.)
  - There is no software control of the Mode switch.

### Right Side Panel

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- Volume Control Lever  
This is used to control the volume of the speaker built in to the bottom of the modem. There is a detent that indicates the center of the volume range. Move the lever forward or backward to adjust the volume.

Back Panel

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- On/Off Switch

This switch controls the power from the AC adapter to the modem circuitry.

- Telephone Line RJ-11 Jack (RJ-11 Socket icon)

This provides a port to connect the modem to the wall outlet.

- Telephone Set RJ-11 Jack (Telephone icon)

This provides a port to connect the modem to a telephone set. This port is disconnected when the modem is using the telephone line.

- Modem Mini-DIN 8-Pin Serial Port (Macintosh icon)

This connects the computer to the modem. It uses the standard Macintosh serial port pinout.

Pin	Pin Name	Definition
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1	Hsko	CTS from modem
2	Hski	DTR from local CPU
3	TxD-	Transmit data (-)
4	Sgnd	Signal ground
5	RxD-	Receive data (-)
6	TxD+	Transmit data (+)
7	GPI	DCD from modem
8	RxD+	Receive data (+)
Shell	Ground	Chassis ground

Note: This product works with both the Macintosh and Apple II computer families.

- Modem Mini-DIN 8-Pin Serial Port (Telephone Handset icon)

This allows a serial device to be daisy-chained to the modem. This port is disabled when the modem is in use (indicated by green LED) or when the modem is powered off.

- This port is not rated for AppleTalk transmission speeds (the maximum speed is 56.7 kilobits per second); therefore, it cannot be used to pass-through AppleTalk signals.

- 5-Pin DIN Power Connector

This allows a wall-mounted AC adapter to be connected to the modem.

- Security Cable Socket

This is used to secure the modem.

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