GeoPort Telecom Adapter: Frequently Asked Questions (7/96)

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TOPIC ---

This article is the most frequently asked questions (FAQ) about the GeoPort
Telecom Adapter.

DISCUSSION --

Questions: What is the maximum number of addresses that the same fax can be sent
to simultaneously using the GeoPort for Power Macintosh (version 1.0) software?

Answers: Testing showed the Send To field can hold up to 145 recipients,
although there is no specifically defined limit.

Questions: What is the ringer equivalence and ring signal frequency range of the
GeoPort Adapter?

Answers: The Ringer Equivalence Number (REN) for the GeoPort Adapter is 0.7. In
most areas, the total of the RENs of all devices connected shouldn't exceed 5.0.
Contact your local phone company to determine your local maximum. Exceeding the
recommended maximum can cause unreliable operation of all devices on the line.
In other words, if a call comes in, all of the devices may not ring or detect
the call.

The GeoPort Adapter uses a ring frequency range from 14 Hz to 1200 Hz (wider
than required by FCC Part 68).

Questions: Why does the GeoPort sometimes connect to a service and immediately
disconnect?

Answers: Make sure you are using the software that comes with the GeoPort
Telecom Adapter. The Express Modem Software 1.1.2 is compatible, but there's
much more software installed by the GeoPort Express Modem Installer than by the
normal one. Software installed includes the Shared Library Manager, ASLM
Resources, GeoPort Extension, GeoPort Telecom Adapter, and GeoPort Telecomm.
Without these files, you can't use the GeoPort Telecom Adapter.

If you installed the proper software and still experience problems with

disconnects or aren't connecting at all, try turning off error correction. You can do this with the modem command &Q0 in the modem string.

Questions: What is the difference between the modem port on a Macintosh and the GeoPort?

Answers: There are two primary differences:

- The standard modem port has connectors (pins) for in and out signals, timing, and handshaking. The GeoPort adds a ninth pin for power to an external device.

- The GeoPort also takes advantage of the power of the processor (either the DSP processor in the Macintosh AV computers or the PowerPC chip itself) to do telephone – either data or fax, or even voice. A modem is just a line interface to the telephone wire, a DSP to create the tones used, and software to run it. The the DSP is on the motherboard, an inexpensive line interface (like a GeoPod Telephone Adapter) can be used, with software to run the modem.

  This makes it cheaper to add a modem to a machine, and makes it easy to enhance the modem through software to increase performance or to accommodate new standards.

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