# Tech Info Library

## Macintosh AV Systems: Multiple GeoPort Applications (9/93)

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TOPIC ------------------------------------------------------------

Why can't two DSP (Digital Signal Processor) GeoPort applications run
concurrently on a Macintosh AV system?  If I run, for example, both
ApplePhone and the fax software set up to receive faxes, I expect them to
work like ARA when it is set to answer calls.  ARA will relinquish serial
port rights to another application and then reclaim the serial port when
the other application releases it.

Is this a function of how those two applications were written, or is a
limitation of the ARA software?

DISCUSSION -------------------------------------------------------

The issue: using the GeoPort telecomm adapter, you can run only one
telecomm application at a time.  Remember that the Express Modem software
counts as one application, so you can have multiple applications that use
that software running at the same time.

ApplePhone, which is not modem-based, doesn't use the Express Modem
software, so you have an either/or situation with it.  On the other hand,
you could have multiple well-behaved commtoolbox application running at the
same time.

You can also have (in some cases, depending on bandwidth use and processor
capabilities) multiple DSP applications up and running.  Remember that
speech recognition takes a LOT of bandwidth and that it is difficult to get
other DSP applications running concurrently with it.

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