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Using ARA and FAX On A PowerBook Duo and Dock (11/93)

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TOPIC -----

On a PowerBook Duo, when I use the Express modem for AppleTalk Remote Access (ARA), an external modem for FAX receive, the other serial port cannot be used for a serial printer, right? I know the Express modem is a bus modem, not a serial modem, but I thought it precluded the use of the serial port. In any case this is not working, and I just want know what configuration should work.

I'm setting this up for my CEO who wants to receive and send FAXes, and have ARA access to his machine. I have two modems because I haven't been able to set up ARA to receive calls and FAXes on the same modem.

The only other question I have is version numbers of software.

DISCUSSION -----

Below are some test results we ran for setting up a PowerBook Duo and Duo Dock to achieve the functionality you desire:

- We tested with what we feel is the most straight-forward configuration when using two modems and it worked fine:

Internal Express Modem for FAX
External V.32 modem in Modem Port for ARA (data)
Serially connected Printer in Printer Port

We printed, connected with ARA, and then FAXed in what we had printed while ARA was still up. We feel that it would work fine with the modem and printer reversed in the ports, but that the standard (modem in modem, printer in printer) makes more sense.

Setup:

PowerBook Control Panel set to "External Modem"
Remote Access Control Panel setup:
 Modem in Modem Port
 Proper modem type selected in Modem Name (NOT Express Modem)
FAX Terminal application's Preferences set to answer
StyleWriter II set to Printer Port

- Another possibility is, since our Express Modem software works well with most third party modems, to set the Duo Dock up as:

```
Internal Express Modem for FAX
External ?? modem for ARA (data)
Serially connected Printer
```

If the problem is the printer working out of the printer port, then the following should work:

```
Internal Express Modem for FAX
External ?? modem in Printer Port for ARA (data)
Serially connected Printer in Modem Port
```

- However, if the user expects heavy usage, we would recommend that they use the internal Express Modem for both the FAX and ARA features at the same time. A heavy load on the serial ports increases the risk of performance degradation and this risk is bypassed by the internal modem. In addition, the Express Modem will handle 9600 for the FAX transmission, and 14.4 for the data/ARA transmission, at the same time.

We feel this solution of having one modem - the internal Express Modem - will handle everything you wish to do:

```
ARA in
ARA out -- with, or without, call back
FAX in
```

We received a FAX, received an ARA connection, received another FAX and then made two ARA connections out to other ARA servers, all one right after the other. (This Duo had both the ARA Client and Server software installed.) We tested with a Duo 230 and the Duo was docked. All the desired functions worked well together.

Here is the list of the software releases we used:

```
System 7.1
System Enabler 201 v 1.0.1
ARA v 1.0
FAX Terminal v 1.2
FAX Extension v 1.2
FAX Sender v 1.2
FAX Viewer v 1.3
Express Modem ( ARA CCL ) 1.0
```

Note: All the Express Modem and FAX software came from the "Express Modem" v 1.1.2 disk

Here is what the setup/configuration needs to be:

```
Remote Access Setup:
  Answer = yes
  Modem = Express Modem
```

Port = Internal
FAX Terminal
Preferences
Set to "answer calls"
PowerBook Control Panel
Modem = Internal

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