



# Tech Info Library

## Hayes Ultra Modem Back To Back Connect (7/93)

Article Created: 17 July 1993

TOPIC -----

Can you provide me with the configuration strings to set up a pair of Hayes Ultra 9600 or 14.4 modems to do back to back connections for demo purposes? The problem is to set the modems up to connect without having to get two phone lines installed when doing demos. I'm looking for a detailed script for setting a demo system up without using an expensive "modem eliminator" box. Any help?

DISCUSSION -----

Sure, you can do that by setting them up in leased line mode and just running a regular phone cord from the line jack on one to the line jack on the other. This will work fine as long as you aren't going more than a few feet. Here's how to setup for leased line mode:

To set two Ultras up for leased line, take the following steps:

- 1) Designate one modem as "answering" and the other as "originating". It doesn't matter which is which, or where each is placed, but one must generate answer tone while the other is in originate mode.
- 2) Send the answering modem the following string:  
AT&F&L1S0=1&Y&W
- 3) Send the originating modem the following string:  
AT&F&L1&Y&W
- 4) On both modems, set dip switch number 1 to the down position. This should be done *after* you've sent the above setup strings. The remaining 3 switches stay in the up position. You'll find the dip switches on an Ultra underneath the front face plate just to the left of the lights.

That's it. You can test this configuration by hooking the modems up back to back. By that, I mean take the telco cable that came with the modem and run it from the line jack on one modem to the line jack on the other. When you power the modems on, they should sync up and get a carrier with each other.

Copyright 1993, Apple Computer, Inc.

Keywords: <None>

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 12633