

# Modem Application

Fair Bank Doc # 820

A. The LC-8 can be used for up to eight modems to share one conditioned C.O. line for data transmissions. This gives multiple modems the high speed data transmission advantages of a conditioned line for the cost of only one conditioned line. For the best results, set up the LC-8 as described below.

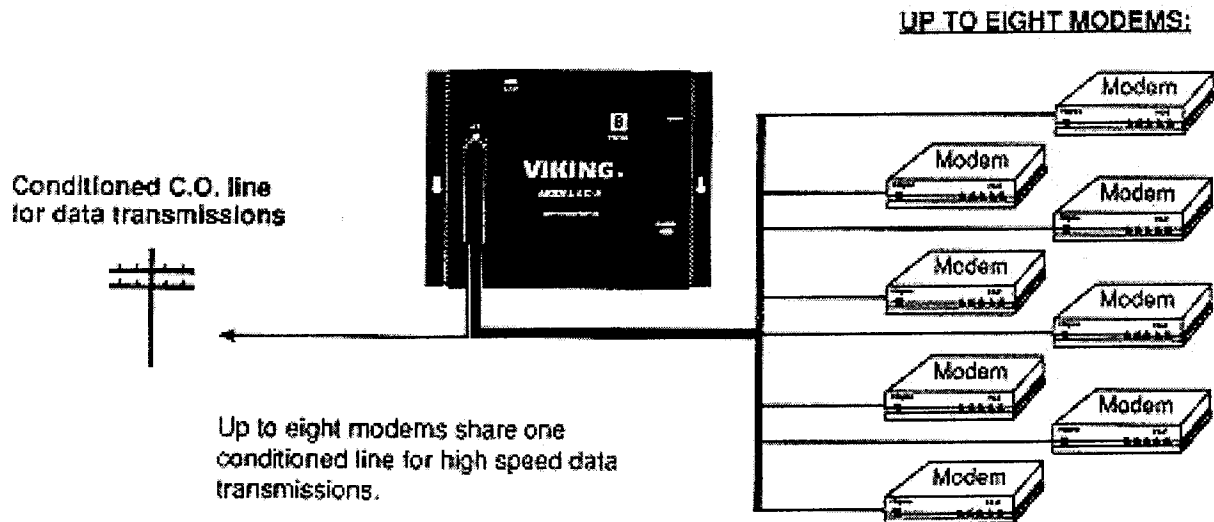
1. **Disable Call Waiting:** The call waiting beeps from the LC-8 will cause data errors. Disable call waiting by entering "+,7" when in the programming mode. When call waiting is disabled and a second modem accesses the line, that modem is excluded from the line and is given a busy signal.

2. **Disable Max. Call Time:** Disabling the max. call time will allow unlimited data transmission call lengths and prevent the LC-8 from going into the "prank" mode.

3. **Enable Retry Feature:** The retry feature can reduce modem communication time by calling just once to a remote location (with the LC-8 installed) and collecting/transmitting data to multiple devices at that location. When a device on one of the eight extensions of the LC-8 hangs up, the LC-8 will hold the line (for the programmed idle time) give two beeps and watch for a Touch Tone transfer request. If a Touch Tone transfer is detected the LC-8 will ring that device and allow communications. Enable the retry feature by entering "+,8" when in the programming mode. Increasing idle time to 30 seconds will allow more time for a transfer request.

B. To make an initial connection to a distant modem that is connected to an LC-8, send the calling modem a dialing string followed by several pauses and a single Touch Tone digit pertaining to the LC-8 port connected to the distant modem. Once a communication path has been established, another modem can be selected by using standard "Hayes" commands.

1. Select blind dialing on the calling modem (ATX0).
2. Connect a single line phone to the "Phone" jack of the calling modem and leave the handset off hook.
3. Return the calling modem to the command state (+++).
4. Force the calling modem to hang up (ATH0).
5. Listen on the handset for the distant modem to hang-up and the LC-8 to send two beeps.
6. Send the calling modem a dial command with the new modem port number (ATDTN where N is 1 thru 8).
7. When the last modem connection is made, hang up the phone connected to the calling modem.



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