ABS Tech Note: DAL14 Modems and DAL (10/92)

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TOPIC ----------

This technical note discusses some limitations in using modems with the Asynchronous Network Adaptor on DAL and a workaround that can be used to remove those limitations.

DISCUSSION ----------

DAL's Asynchronous driver makes assumptions about the type of modem attached that causes it to work incorrectly with some modems. DAL can not be made to work with Telebit and other high speed modems because during the initialization it sends an "ATZ" and then immediately starts sending other initialization strings while the modem is still processing the reset (on a Telebit, it can take over a second for the "ATZ" to finish and the modem to start listening again).

It is possible to work around this limitation, however. The trick is to use DAL's log-on scripting capability to do the modem dialing. What you need to do is tell the Asynchronous network adapter that the system is hardwired, and then dial the modem as part of the log-on script, as though it were an extended log-on sequence.

This is an example of how to dial a modem manually. It should be used as a starting point, because different brands of modems have subtle operating differences that might require modification. This sequence has been tested on a Telebit T1600.

```
rem:: First ignore the modem definition in the async definition
anymodem:async:com1:2400:Noparity:8databits:2stopbits:Boxonxoff:128:NoModem
rem:: Now dial the number, first the start sequence, if this fails
rem::  try to Hang up the modem with the recover sequence.
rem::  After the recovery sequence, execute the connect sequence.
rem:: this is one line in the DAL Preferences file
anymodem:login:3tries:+++\mOK\sATH:600:2000:\s+++\w2\sATH\r\sAT\r\MOK:\sAT
V1\r\MOK:\sATDT2573813\r\w5\mCONNECT\r\Mgin\w2\u\r\P\Mword\p\r\P\m$
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