



GAP/SCO Dial-in Modem Configuration

Modem Configuration requires familiarity with both the specific OS and the spec being used. While the following procedure is sufficient for most cases, it may be additional steps to properly configure your modem or to set up the OS for a speci

1) The Cable

Use the Standard Modem Cable as diagrammed in [The Digi Standard Cable FAQ](#)

2) The Unix Server

- in inittab, set the upper-case device to gettydefs entry o
[o is for 38400 speed, which should work with any 14.4 or faster modem]
- disable the upper and lower case devices
- in /usr/lib/uucp/Devices, make the Direct line look like this:

```
Direct ttya01 - 38400 direct    [lower case device name]
    [also, the D in Direct has to be the first character
```

Comment out any ACU lines relating to this device **until dialin is working**

Note: Some applications may require an ACU entry in the Devices file. If y requires an entry, refer to your modem manual or to the modem manufactu modem initialization string to use for your modem, and to the SCO Admini handbook for guidance on setting up an appropriate ACU entry that uses th string.

[Tip Sheets for Specific Modems](#)

- connect to the modem:

```
cu -l /dev/ttya01 -s 38400
ats0=1                                [answer after first
at&w                                  [train modem to port
~.                                     [also any other comm
                                       [to the particular m
                                       [tilde period, to en
```

- finish configuring the port

```
ditty rtospace ctospace -ixon /dev/ttya01 [to set hardware flo
ditty altpin /dev/ttya01                  [if using 8 wire cab
```

These lines should be added to /etc/rc.d/8/userdef to automatically execute

Altpin switches the pin assignment of DSR and DCD. When used with 8 wire this makes DCD accessible on 8 wire pin 1. `ditty -altpin` would be the command to disable this flag.

The port is now configured for dial-out use. To add dial-in capability,

```
enable ttyA01
```

The port is now configured for dial-in.

Possible error messages

- NO DEVICES AVAILABLE -- check Devices file
- SYSTEM not in Systems FILE -- check Devices file
- DEVICE LOCKED -- there is a lock file in /usr/spool/uucp/LCK.##
- CAN'T ACCESS DEVICE -- check owner and permissions of /dev/ttya01 this can be caused by the lack of an ACU entry in the Devices file
- DIALER [whatever] -- the ACU entry is incorrect, refer to the modem and manuals

*In SCO Unix, the upper case device name is for dial-in, the lower case name is for dial-out configuration:

Device	Dialin	Dialout/Printer/Terminal
xem, c/x, epc/x and portserver	ttyA01	ttya01
xe and xi	tty1A	tty1a
xr	ttyr1A	ttyr1a

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