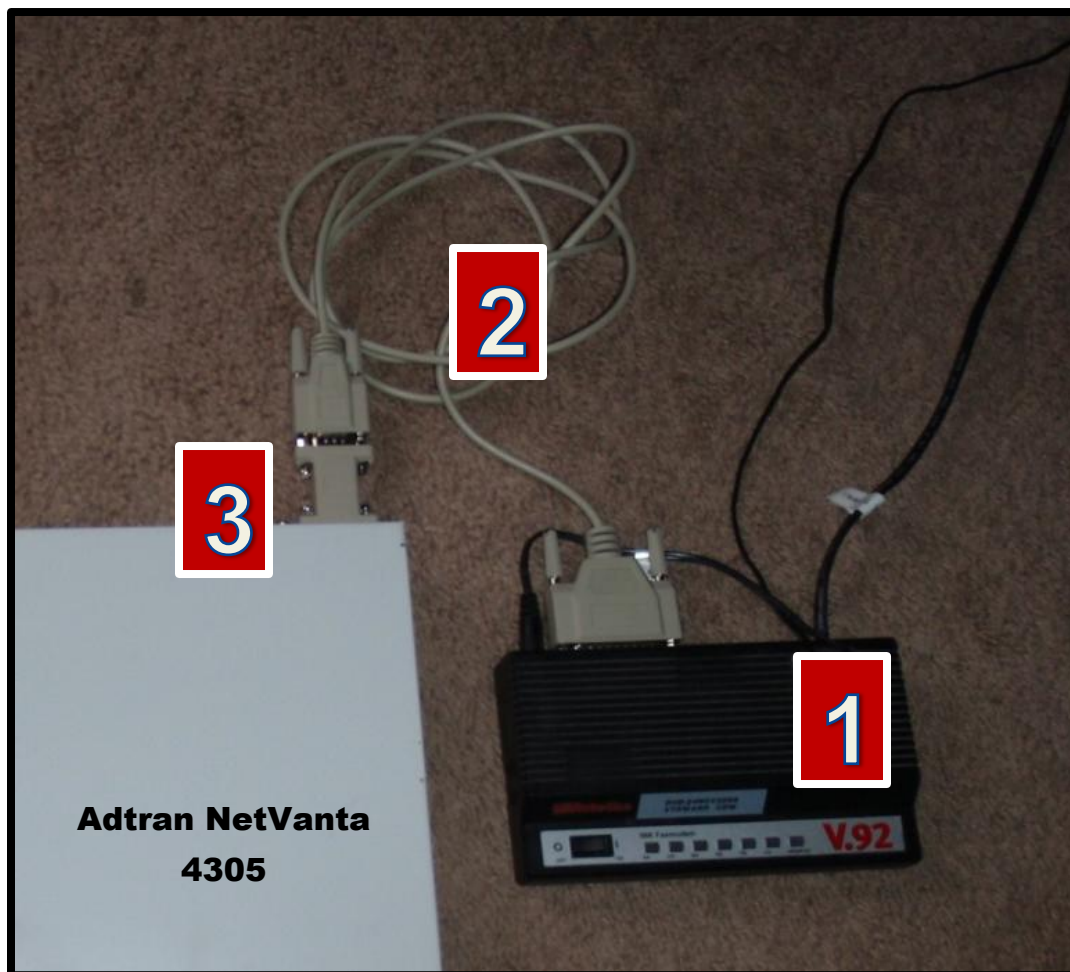


**\*\*\* External Modem Connection to an Adtran NetVanta Router \*\*\***

**Option 1 (tested as working)**



**Parts List**

1. U.S. Robotics 56k V.92 External Modem, Model 5686-05
2. cablestogo.com, part# 03019, 6ft DB25M/DB9F Null Modem Cable
3. cablestogo.com, part# 02771, DB9 M/M Gender Changer

**Option 2 (tested as working)**



**Parts List**

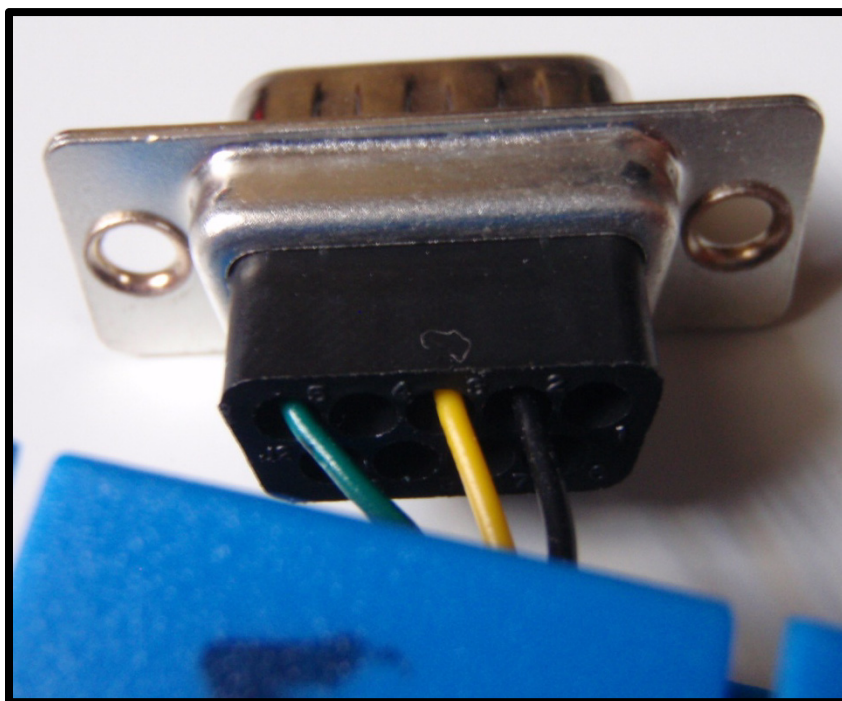
1. U.S. Robotics 56k V.92 External Modem, Model 5686-05
2. Cisco DB25 Male to RJ45 Modem/Console cable, Cisco part# 72-3663-01
3. cablestogo.com, part# 02947, RJ45 to DB9 male modular adapter

# **DB9 male to RJ45 Modular Adapter Pin-Out for the Adtran**

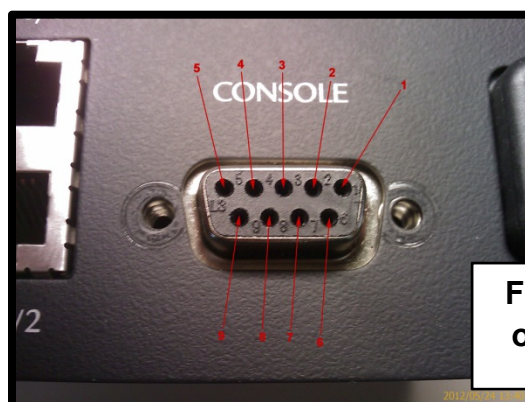
**Green** = pin 5 (grounding pin)

**Yellow** = pin 3

**Black** = pin 2



cablestogo.com, part# 02947, RJ45 to DB9 male modular adapter



**Female console port  
on an Adtran router**

## U.S. Robotics External Modem Settings for the Adtran Router

- **NOTES:**

- DIP switch 3 needs to be DOWN if you are configuring the modem via local serial port. Once you are ready to connect to the router, move DIP switch 3 to the UP position
- DIP switch 4 needs to be UP (enable ECHO commands) if you are configuring the modem via local serial port. Once you are ready to connect to the router, move DIP switch 4 to the DOWN position
- By default, the first time the modem is turned on, it loads the settings stored in NVRAM
- DIP switch settings override AT commands at power-on

- **DIP Switch Settings to connect to the Adtran router**

- 1, 4, 6, 8 are all DOWN, the others are all UP

- **Copy/Paste into the modem via local serial port**

- `at&f0&n6s0=1&b0&m4&k0&w`

- **NVRAM Settings Explained**

- `at&f0`
  - flash memory template (no flow control)
- `at&n6`
  - 9600bps, make sure this comes after "&f0" otherwise the `at&f0` template overrides this setting
- `ats0=1`
  - this is an S-register, it enables auto-answer on the first ring
- `at&b0`
  - allows the modem to change its serial port rate to match the connection rate
- `at&m4`
  - comes from the factory set to this, causes the modem to try for an error-control connection. If that is not possible it automatically falls back to "normal mode" (&m0)
- `at&k0`
  - disable analog and TurboPPP data compression
- `at&w`
  - store/save the configuration
- `ati4`
  - display the settings in RAM (the current configuration)

- o atē0
  - command echo OFF. Your typing will *\*not\** appear on the screen. If double characters appear, then both the modem's local echo and your software's local echo are on
- o atē1
  - command echo ON. Your typing *\*will\** appear on the screen
- o ato
  - ends the session and keeps the connection
  - be wary of using this command if you are dialed in from a modem pool
- o ath
  - end the session and ends the connection
  - be wary of using this command if you are dialed in from a modem pool
- o atz (or atz!)
  - ends the session, ends the connection, and resets the modem
  - be wary of using this command if you are dialed in from a modem pool
- o atq0
  - display result codes