



Cisco® 675 and 678 Modem
How to Configure the Modem
Multiple Static IPs and Dynamic IPs
PPP Configuration

1. You must have access to the modem "enable mode" to setup the modem.
2. Use these setup commands to configure the modem. These commands will allow you to use static and dynamic (10.0.0.x) IPs on the Ethernet side of the modem.

```
cbos> enable <Enter>
Password: <Enter>
cbos# set nvram erase <Enter>
cbos# write <Enter>
cbos# reboot <Enter>
      Password: <Enter> (unless you've set an exec password)
cbos> enable <Enter>
      Password: <Enter> (will bring up cbos# unless you've set an enable
password)
cbos# set ppp wan0-0 ipcp 0.0.0.0 <Enter>
cbos# set ppp wan0-0 dns 0.0.0.0 <Enter>
cbos# set ppp wan0-0 login "ISP USERNAME" <Enter>
cbos# set ppp wan0-0 password "ISP PASSWORD" <Enter>
cbos# set int wan0-0 disable <Enter>
cbos# set int wan0-0 vpi 0 vci 32 <Enter>
      (vpi - 1 for cap and 0 for DMT)
      (vci - 1 for cap and 32 for DMT or 35 for AOL)
cbos# set int wan0-0 enable <Enter>
cbos# set ppp restart enable <Enter> (ONLY for 675)
CBOS# set int vip0 ip xxx.xxx.xxx.xxx <Enter> (your reserved gateway IP)
CBOS# set int vip0 mask xxx.xxx.xxx.xxx <Enter>
      (for /30, NETWORK_MASK = 255.255.255.252 - 4 IPs)
      (for /29, NETWORK_MASK = 255.255.255.248 - 8 IPs)
      (for /28, NETWORK_MASK = 255.255.255.240 - 16 IPs)
      (for /27, NETWORK_MASK = 255.255.255.224 - 32 IPs)
      (for /26, NETWORK_MASK = 255.255.255.192 - 64 IPs)
cbos# set dhcp server enable <Enter>
cbos# set nat enable <Enter>
cbos# write <Enter>
cbos# reboot <Enter>
```