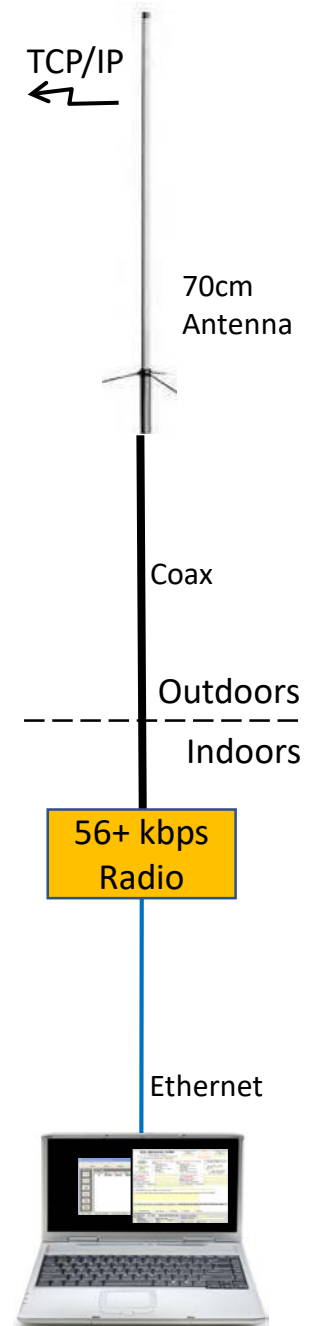# TCP/IP over 56+ Kbps UHF Basic Station Configuration:

- Antenna
  - High-gain (9dBi or better) ground plain
  - As high as possible; clear of obstructions, other antennas
- Coax
  - LMR-400 or better; LMR-600 or ½" hardline preferred
  - Surge protection; properly grounded
- Radio
  - Specified by SCCo ARES/RACES network team
- PC
  - Windows preferred
  - Software firewall and anti-X software
  - E-mail client: Thunderbird preferred
  - Packet client: Outpost and PacFORMS

TCP/IP

70cm Antenna

Coax

Outdoors

Indoors

56+ kbps Radio

Ethernet

TCP/IP over 56+ Kbps UHF Ideal Station Configuration

- Antenna
  - High-gain ground plain (9dBi+ on 70cm)
- Coax
  - LMR-400 or better; LMR-600 or ½" hardline preferred
- Radios
  - Both packet and TCP/IP radios available for data
  - Voice radio used to communicate with net control
- PC
  - Windows preferred
  - Software firewall and anti-X software
  - Both packet and e-mail clients
- Usage
  - Keeping packet traffic on packet frequencies improves performance of UHF connection
  - Or, packet can be used as backup

TCP/IP

AX.25

2m/1.25m/70cm Antenna

Coax

Outdoors

Indoors

Triplexer

56+ kbps Radio

Audio

TNC

Ethernet

Serial