Remote Station Operation

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What and Why?

- What is "Remote Station Operations?"

- Why would you want to operate remotely?

What Are Key Elements

- Computer and Internet Connection
- Rig control and Interface to Computer
- Antenna(s)
- Remote Station Elements (computer)

Computer Elements

- **Computer**
  - Moderate fast PC (PIII or up)
  - Windows XP
  - Soundcard & Two RS232 ports
- **Software Needed**
  - Ham Radio Deluxe (Server mode)
  - NetMeeting, Skype or IP-Sound
- **Internet Connection**
  - Broadband connection (256K upstream)
  - Static IP (or use No-IP DDNS)

The Rig

- What type of rig?
    - Any modern rig with computer control option
    - More bands in single box, more options
- Rig Control Options
- Soundcard to get audio in and out
    - Same as PSK31 type interface

Antenna Consideration

- What ever you have is good start
- Multi-band verticals are good options
- Some rigs have multiple antenna ports, which helps
- Advance Option
  - Rotator control
  - Antenna switch control

Remote Station Control

- **Laptop Requirements**
  - Moderate speed (P4 with 512M RAM)
  - Windows XP
- **Software Requirements**
  - IP-Sound
  - HamRadio Deluxe
- **Headset/audio needs**
  - Just makes things easier
- **Internet connection options**
  - Free WiFi / 802.11
  - Cell Phone (Verizon Wireless)

References

- Slide 123
  - http://www.ku7m.net
- Slide 456
  - http://www.arrl.org

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