

## K9DX REMOTE

- The state of the s
- 28 MILES FROM HOME
- 80 ACRES OF FARM LAND
- POLE BUILDING
   Insulated 18x18 equipment room inside

### **OBJECTIVES**

The state of the s

- CASUAL ALL-BAND CONTESTING
- NOT SO CASUAL (KICK-ASS) ON 160
- PRIMARILY CW
- NO COMPRIMISES DUE TO REMOTE

#### ANTENNAS

- 9 ELEMENT ARRAY ON 160
- 9 ELEMENT ARRAY ON 80
- DIPOLE ON 40
- BENCHER SKY-HAWK TRIBANDER
- 2x4 YAGI STACK FOR EME











## DESIGN GOALS

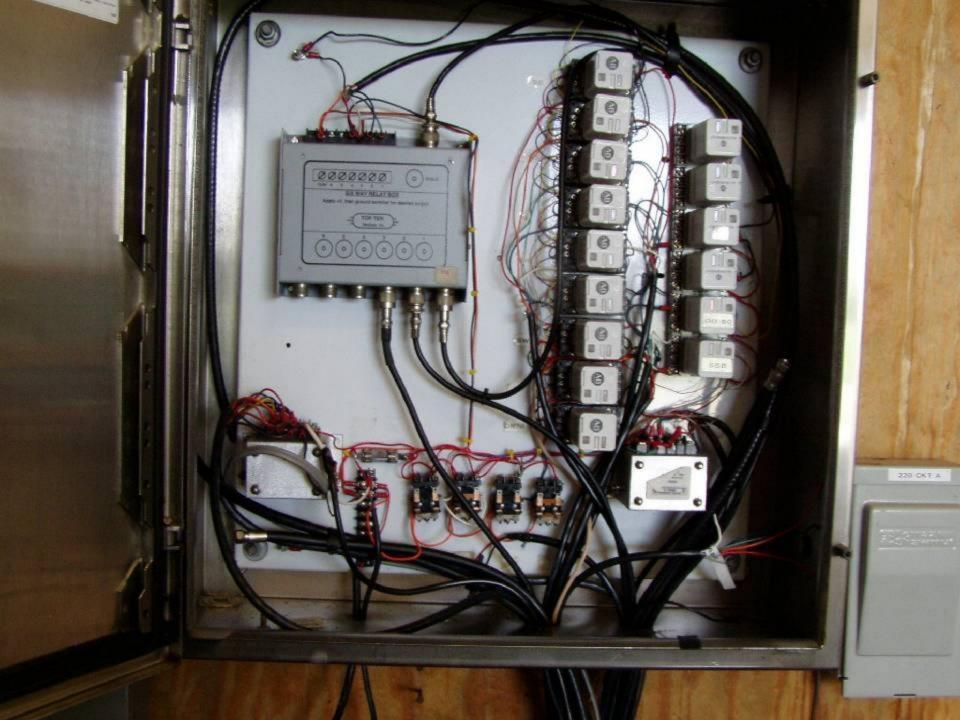
- A STATE OF THE STA
- PADDLE CW LOW DELAY
- TUNES WITH KNOB POD FEATURES
- EXCELLENT AUDIO QUALITY
- DIVERSITY RECEIVE
- LOTS OF ANTENNA SWITCHES
- MOST OF ALL ++RELIABLE++

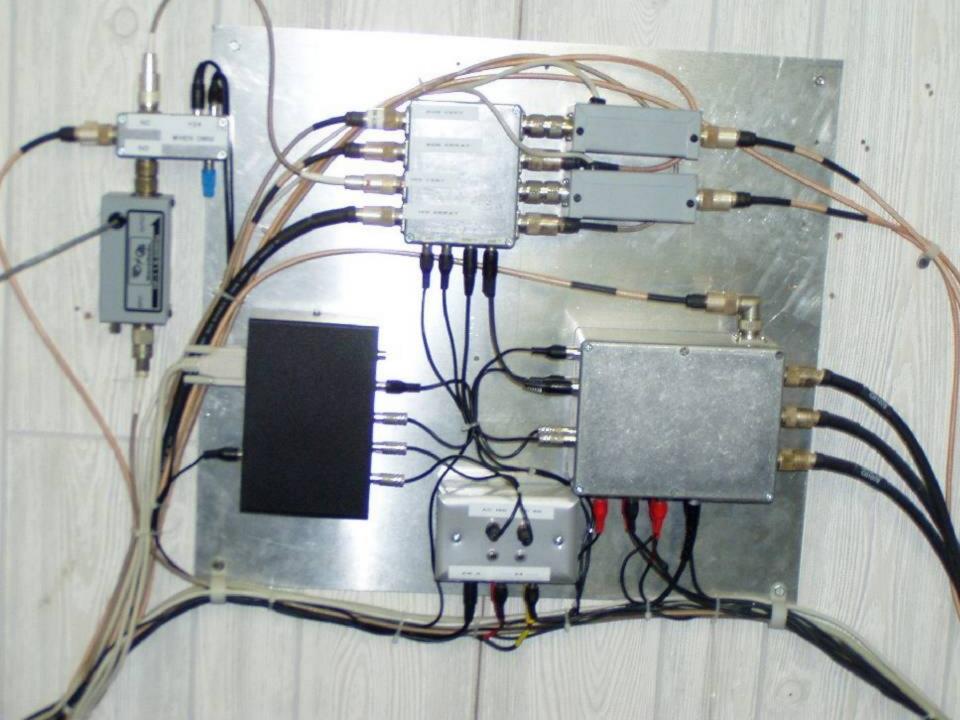
- RELIABILITY
- SHACK IS TEMPERATURE, **HUMIDITY & DUST CONTROLLED**
- UPS ON ALL BUT AMPLIFIER **Everything is on 24/7**
- NO SEMICONDUCTORS OUTSIDE
- LIGHTNING PROTECTION All wires go though relays











# COMMUNICATIONS

Two leased 64k DDS lines

 DCB modems give one audio pair and a data channel per line

Audio channels are ADPCM –
 28k .... Good quality .... 7-8ms
 delay





# SOFTWARE ON REMOTE COMPUTER

- PC ANYWHERE
- ALPHA REMOTE
- TWO 16 PORT AR-16 RELAY DRIVERS
- WAVENODE WATTMETERS
- WAVENODE ROTOR CONTROL



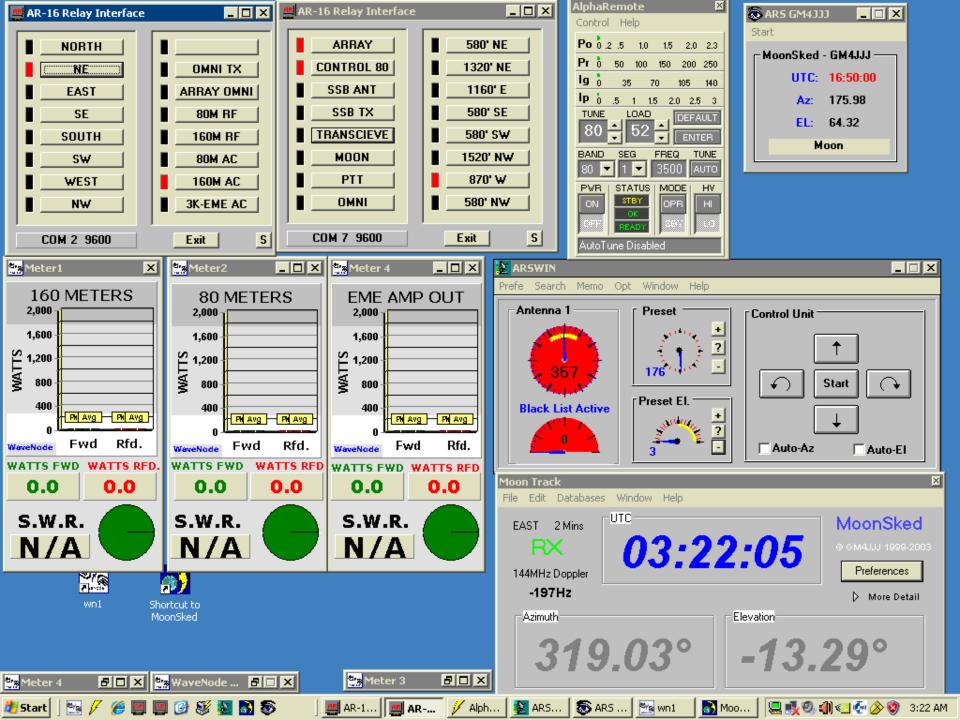


# OPERATING POSITION

TWO MONITORS

 One controls remote
 Second one controls IC-7800





Symantec

# SOFTWARE ON HOME COMPUTER

- PC ANYWHERE
- N4PY RADIO CONTROL
- PEGUSUS CONTROLS TEC-TEC POD KNOB
- TR OR WRITELOG RUNS ON ANOTHER COMPUTER

SR RR RS TIOIL А В А-В VOL RIT 6 UP DN 3 - 0 E

# IN THE THINK-TANK

- MORE BANDWIDTH
- CHEAPER INTERCONNECT
- **SO2R**
- RADIO CONTROL OF RADIO
- INTEGRATE CONTESTING SOFTWARE ... keying OK .... but band changes manual

