

## **Operational Instruction NCBSLTM**

SPEEDLAN 4100 and 4200 are wireless Ethernet routers. Similar in function to other SPEEDLAN products, the 4100 and 4200 differ in how they are installed. Using a unique pole mount design the 4100 and 4200 allow up to 300' of cable to be run, from the connection point to the network up to the RF device, without introducing and loss of radio signal. This increases the effective wireless link distance and reduces or even eliminates the need for an amplifier in the system.

The outdoor mounted 4100 and 4200 are connected to the network using an indoor termination unit. This small box combines the Ethernet signal and DC power which is then run over single Teflon jacketed Ethernet cable up to the RF device.

These radios operate in the 2400MHz to 2483.5MHz ISM band, contain 11 user selectable RF channels. The radios use direct sequence spread spectrum with a QPSK modulation, and employ 11 dB of processing gain.

### **Other SPEEDLAN 4100 & 4200 Features:**

- SNMP remote monitor and configuration from Internet
- No software to install on network or workstations
- Advanced packet and protocol filtering
- Includes IP routing
- Secure transmissions, DSSS coding algorithms
- Wireless data encryption
- One-year warranty

### **Other SPEEDLAN 4100 & 4200 Benefits:**

- Cost effective
- Distances to 25 miles and farther
- Plug and play
- License-free
- Highly secure
- Easy implementation
- Re-deployable
- Full radio power usage