

Hornet™



802.11b WLAN MONITORING SYSTEM

The Hornet™ is a self-contained 802.11b WLAN Monitoring System that detects and responds to unauthorized access attempts and sources of channel interference on any local DSSS network. By continually running through a checklist of valid MAC addresses, Hornet™ is able to instantly identify unauthorized “hackers” and distinguish them from valid AP traffic on the

network. Hornet™ is a wireless instrument but also contains a RS-232 serial port for wired updating and monitoring as well as an AC connection for secure monitoring 24 hours a day, 7 days a week.

KEY APPLICATIONS:

- Wireless monitoring of WLAN traffic
- Guard & Secure any DSSS WLAN
- Identify unauthorized MACs (Aps & STAs)
- Channel interference detection
- AP signal strength analysis
- Channel allocation post-processing analysis

FEATURES:

- Fast channel scan for immediate detection and identification of all local APs, STAs and MACs
- RS-232 connection for remote monitoring, download/upload MAC lists and data collection to any PC
- Audible and visible ALERT status warns of unauthorized users in the area
- Real-time clock built in for time and date stamp of all logs
- Built-in graphic backlit LCD and simple rotary knob menu navigation and selection
- Customizable MAC filters set by user including alert upon specific MAC detection



SECURE YOUR WLAN NOW

Hornet is just one of many exceptional design solutions from Berkeley Varitronics Systems. Call us today for more information:

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SPECIFICATIONS

BANDS SUPPORTED ISM: 2.400-2.495 GHz
RF SENSITIVITY (Wide Band) -20 to -90 dBm
RSSI MEASUREMENT (Narrow Band) -30 to -90 dBm @ 343.75 kHz resolution bandwidth
TUNING INCREMENTS Tunes 11 USA channels & 3 international channels

PACKET PREAMBLE DEMODULATOR and ANALYZER:

Multipath Measurement and Graphical Display

CORRELATED POWER MEASUREMENTS:

Correlated Power (dBm)	RATIO
Correlated Power to Total Power Ec/Io (dB)	-30 dBm : -100 dBm
Total Channel Power Measurement	0 dB : -10 dB
	-20 dBm : -90 dBm

GENERAL SPECIFICATIONS

RF Sensitivity: >-95 dBm
Frequency Range: 2.400-2.485 GHz (all 14 channels)
IF Bandwidth: Wideband 22 MHz @ -3dB
Stability: ± 2.5 PPM Temp range 32° to 120 F°
Antenna: SMA Female, 50 ohms impedance
Controls: Rotary, push button knob
Warm Up Time: < 3 minutes
Power: 110 VAC @ 0.5 Amps
Weight: 3 lbs.
Dimensions: 2" H x 4" W x 9" L (water resistant, high impact ABS plastic case)

NETWORK SECURITY:

Enter valid APs manually
Generate valid AP list automatically
Upload AP list from PC
Flag invalid APs as "suspect"

UNAUTHORIZED

