

BEETLE™-B/A/N/G

802.11 B/A/N/G WI-FI OPTIMIZER

BEETLE - B/A/N/G is a wireless test receiver system that verifies, sweeps, measures and optimizes all popular 802.11 Wi-Fi network standards including 802.11b/g (2.4 GHz), 802.11a (5 GHz) and even 802.11n. The calibrated receiver is a passive measurement device that is network independent so it remains “invisible” to any Wi-Fi network. When equipped with a BVS DF (Direction Finding) antenna, **BEETLE - B/A/N/G** locates and pinpoints rogue MACs, APs, STAs and SSIDs. Powerful packet analysis features such as Multipath (Ec/Io), Delay Spread, Channel Frequency Response (CFR), SSID and Received Signal Strength Indicator (RSSI) give **BEETLE - B/A/N/G** the distinction of being the only true handheld Wi-Fi packet analysis and direction finding tool accurate to within ± 1 dB. **BEETLE - B/A/N/G** can wirelessly detect rogue APs, hackers or any nearby MAC and can also connect directly to network installations for precise antenna alignment and optimization.

INSTALLS

OPTIMIZATION

**ANTENNA
ALIGNMENT**

**DIRECTION
FINDING**

FEATURES:

- Measure 2.4 GHz coverage for DSSS and OFDM WLANs within the IEEE 802.11b/n/g standard
- Measure 5 GHz coverage for OFDM WLANs within the IEEE 802.11a standard
- Receive, filter and process DSSS and OFDM studies all in a handheld Windows Mobile OS® environment
- 802.11 packet Demodulation tools for Channel Frequency Response and Antenna Alignment
- Complex AP / STA list analysis including Multipath, Absolute Channel, and SSID
- Measure RSSI & Multipath in true dBm with a calibrated receiver
- Rechargeable Internal Li-Poly battery or A/C power
- MAC Security Authorization Lists/Detection/Alarms as well as WEP and WPA encryption detection
- Internal GPS receiver for realtime geo-coding of all measurements
- Optional Direction Finding antennae for locating rogue APs, WLAN hackers and spurious RF interference
- Optional RJ-45 Ethernet Port for fast, networked PC communication
- Optional Swarm™ mapping/validation coverage analysis software

Call us today for more information:
TOLL FREE 1-888-737-4287 / Fax: (732) 548-3404
www.bvsystems.com
sales@bvsystems.com

**BENLEY
VARITRONICS
SYSTEMS®**

Clarifying RF

Providing wireless solutions for over 30 years

BEETLE™-B/A/N/G

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DEMODULATOR SPECIFICATIONS

BANDS SUPPORTED	2.4-2.5 GHz, 5-5.8 GHz (includes 802.11a, 802.11n)
RF SENSITIVITY (Wide Band)	-20 to -90 dBm
PACKET PREAMBLE DEMODULATOR and ANALYZER	Multipath Measurement and Graphical Display
CORRELATED POWER MEASUREMENTS	RATIO
Correlated Power (dBm)	-30 dBm : -100 dBm
Correlated Power to Total Power Ec/Io (dB)	0 dB : -10 dB
Total Channel Power Measurement	- 20 dBm : -80 dBm

GENERAL SPECIFICATIONS

INTERNAL GPS RECEIVER	12-channel GPS receiver
INPUT CONNECTOR	SMA Female, 50 Ohm
POWER	Li-PO, AC or DC
RUNTIME INTERNAL BATTERY	> 3 hours
RECHARGE TIME	< 3 hours

PHYSICAL SPECIFICATIONS

WEIGHT	3 lbs.
DIMENSIONS	3"H x 5"W x 9"L (water resistant, high impact ABS plastic case)



Beetle™-BANG's passive 802.11 receiver ensures "invisibility" while detecting anyone on your network. No laptops or network cards needed.

Berkeley Varitronics Systems, Liberty Corporate Park, 255 Liberty Street, Metuchen, NJ 08840
TOLL FREE 1-888-737-4287 • (outside U.S. & Canada) +1 732-548-3737 • www.bvsystems.com • sales@bvsystems.com

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Providing wireless solutions for over 35 years.