

YELLOWJACKET®

PLUS

GPS ready



802.11b Wi-Fi Analysis System



Yellowjacket® PLUS is a wireless receiver system designed specifically for sweeping, analyzing and optimizing 2.4 GHz Wireless Local Area Networks. The instrument measures coverage of DSSS networks which operate on the **IEEE 802.11b** standard allowing the user to determine the AP (Access Point), PER (Packet Error Rate), Multipath (Ec/Io) and RSSI signal levels aiding in locating the hub and access points of neighboring WLANs. **Yellowjacket® PLUS** functions as a complete WLAN analysis system housing both the PocketPC® Windows CE® environment along with Berkeley's precision receiver technology.

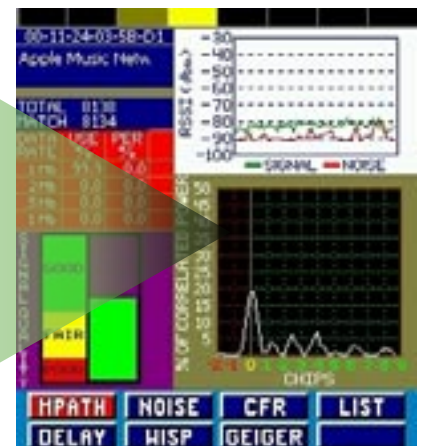
Optional Direction Finding Antenna allows YELLOWJACKET PLUS users to pinpoint any AP or Client Card.

FEATURES:

- Measure 2.4 GHz coverage for direct sequence (DSSS) WLANs (IF wideband 22 MHz) within the **IEEE 802.11b** standard
- Receive, filter and process DSSS studies all in Pocket PC®
- 64K color backlit display for real-time color-coded signal analysis
- Touch screen, Windows® PDA-like interface using a stylus pen
- Integrated HP IPAQ® PocketPC®
- Measures Packet Error Rate; data rate percentage breakdowns Multipath and RSSI; narrow band & total channel power
- Complex Access Point / Station list analysis including WEP, RSSI, Multipath, PER, Absolute Channel, Survey Sweep and SSID
- Optional internal 12-channel GPS receiver available
- Optional Dolphin™ Real-time GPS mapping software available
- Removable battery pack (5 AA Ni-MH cells) and also can be powered from 12VDC car cigarette lighter

Measurements:

- MAC
- SSID
- Packet Error Rate
- Total Channel Power
- Narrowband RSSI
- Multipath
- Delay Spread
- Signal-to-Noise Ratio
- Survey Sweep
- Absolute Channel
- LAT/LONG/ALT/UTC via GPS
- Channel Frequency Response



Call us today for more information:
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YELLOWJACKET[®] PLUS



802.11b Wi-Fi Analysis System

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

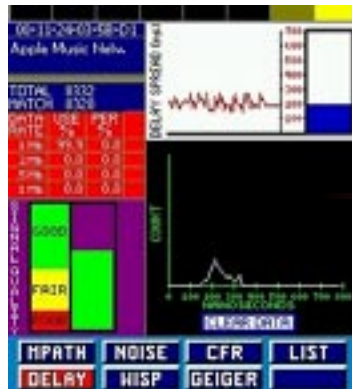
RATIO

GENERAL SPECIFICATIONS

IF Bandwidth:	Wideband 22 MHz
Stability:	± 2.5 PPM Temp range 32° to 120 F°
Antenna:	SMA Female 50 ohm
Controls:	touch-screen PocketPC® environment
Warm Up Time:	< 3 minutes
Power:	Internal battery pack (5 AA Ni-MH batteries)
Weight:	3 lbs.
Dimensions:	2" H x 4" W x 9" L (water resistant, high impact ABS plastic case)



When coupled with optional internal GPS receiver and Dolphin™ mapping software, Yellowjacket PLUS™ becomes a powerful, real-time 802.11 W-LAN mapping coverage tool for WISPs, Wardriving and Wi-Fi analysis. Perform drive-studies on campus, locate hackers and time stamp sources of interference all in REALTIME all in YellowjacketPLUS™.



YELLOWJACKET FEATURES:

SPECTRUM MODE:

- Full spectrum (14 channel) sweep
- Single channel zoom
- Peak Search and Hold
- 3 distinct waveform signal traces

AP ANALYSIS:

- Survey sweep of channels for all APs
- "Q" Factor signal strength quality meter
- Individual channel analysis of APs or STAs
- Absolute channel
- W.I.S.P. antenna alignment
- Signal-to-Noise Ratios
- WEP detection
- RSSI for each AP/STA in true dBm
- Multipath in chips and nanoseconds
- PER breakdown/usage for 1, 2, 5.5 and 11 Mbit/Sec.
- "Geiger Mode" for direction finding individual AP/STA

NETWORK SECURITY:

- Authorize or Unauthorize up to 1000 MAC addresses
- Generate valid AP list automatically
- Upload AP list from PC
- Flag invalid APs as "suspect"



Yellowjacket PLUS® includes a rugged travel case, 2.4 GHz antenna, two Ni-MH battery packs, charger base, IrDA USB communicator link and optional Direction Finding Antenna.