**SWARM™**, 802.11b/a/n/g Wi-Fi Indoor/Outdoor Site Surveys

1. **Create Survey Maps:**
   - **SWARM PROJECTOR (PC)**
     - Import any bitmap for use in your Yellowjacket B/A/N/G
     - Create geo-coded site files for analysis

2. **Constant Realtime Wi-Fi Surveys:**
   - **SWARM COLLECTOR (iPAQ)**
     - Scan all 802.11 channels on BOTH 2.4 GHz and 5 GHz
     - JPEG snapshots of any survey screen
     - Collect survey data automatically via GPS
     - Collect data by manually tapping touch-screen

3. **Coverage Reliability Analysis:**
   - **SWARM ANALYZER (PC)**
     - Plot surveys in multiple graphical and table views
     - Plot coverage by APs or AP channels
     - Locate unknown APs’ positions
     - Print and export plots into bmp files for spreadsheets
     - Create KML file for plotting coverage over **Google Earth™**

*Swarm™* combines the power of realtime Yellowjacket® 802.11b/a/n/g Wi-Fi measurements with GPS geo-coding accuracy. First, create your survey bitmaps with both Linear and GPS PROJECTOR software. Next, simply walk or drive to any spot with GPS reception while *Swarm™* COLLECTOR scans all 802.11b/a/n/g channels and correlates them to your exact location automatically via GPS or manually by tapping on the touch-screen. GPS measurements provide both LAT and LON as well as time stamping for a complete Wi-Fi survey path anywhere in the world. *Swarm™* COLLECTOR allows JPEG screen snapshots to be taken at particular points of interest throughout the survey. Finally, survey data such as RSSI, MAC and SSID may be exported into *Swarm’s* ANALYZER for further mapping coverage studies in multiple graphical and tabular layouts. In areas with little or no GPS reception, *Swarm™* ANALYZER only needs a few reference points to fill in the locations for the rest making it effective for quick outdoor studies. Surveys may be exported further into KML files for plotting in applications such as **Google Earth™**.

**Features:**
- Create survey bitmaps with BVS’ Linear or GPS Projector software
- Collect data by using GPS position for outdoor surveys
- Collect data by manually tapping locations for indoor studies
- Choose any 802.11b/a/n/g Wi-Fi channels to scan
- JPEG screen snapshots may be taken throughout the survey
- Survey data such as RSSI, MAC and SSID is exported into Swarm Analyzer for further mapping coverage studies in multiple graphical and spreadsheet layouts
- Surveys may be exported further into KML files for plotting in applications such as **Google Earth™**

**Use** *Yellowjacket 802.11b/a/n/g Wi-Fi receiver hardware* for handheld surveys using a touch-screen interface.

Call us today for more information:
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Site Survey Study Report

Survey Path

Coverage of Access Points

Coverage of Signal Strength

Reliability Analysis

Overlap of Selected APs

powered by:

Providing wireless solutions for over 35 years.