



## PROFESSIONAL NETWORK PLANNING & TESTING

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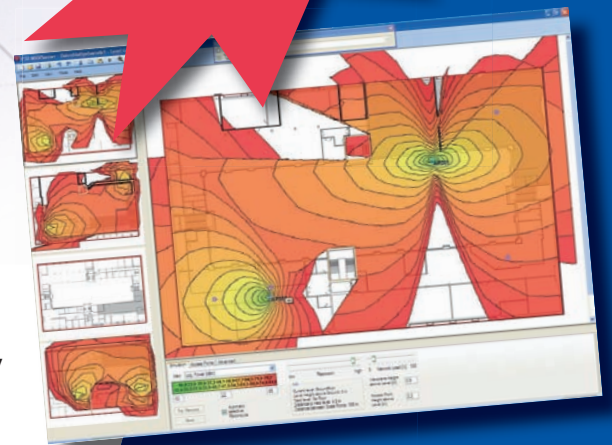
# RF3D WifiPlanner

## A new dimension in WLAN design

**RF3D WifiPlanner™ is a Powerful  
3 Dimensional Design Tool for Successfully  
Installing or Upgrading Wireless Networks**

RF3D WifiPlanner™ enables wireless network professionals to accurately create WLAN plans in even the most complex building environments. Import single or multi-level floor plans in .bmp, .jpg or .png format. Then use the built-in libraries or custom design walls and floors to precisely match the building characteristics. Visualize network coverage and capacity by placing and adjusting Access Points. Precisely identify the number, location and configuration of APs needed to provide optimum network performance before installing a single one.

RF3D WifiPlanner™ is a complete WLAN design and analysis tool which is economically priced. Reducing the need to install even one AP pays for the product. Implementing reliable wireless networks is easy with RF3D WifiPlanner™.



- *WLAN planning for 802.11 a/b/g/h networks*
- *Fast 3D engine for real time simulation of coverage and predicted data rates*
- *Supports access points and antennas from many vendors*
- *Failure analysis feature identifies back-up requirements for areas of critical coverage*
- *Built-in libraries of walls and floors for defining building characteristics*
- *Easy to input floor plans with automatic alignment and scaling*
- *Affordably priced for simple cost justification*

**AFFORDABLE 3D WIRELESS NETWORK PLANNING**



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## Design your wireless network right the first time

Installing or upgrading a wireless network is a significant investment of time and money. RF3D WifiPlanner enables designers to quickly develop system plans that provide reliable, high performance wireless networks. The three dimensional modelling feature provides the most accurate prediction of coverage and throughput by including the beneficial coverage and the unwanted interference of Access Points on adjacent floors. Accurate planning identifies the optimum location, quantity and type of hardware reducing acquisition and installation costs.

## Visualize network performance

Key to designing a robust network is being able to visualize and understand the simulation data. RF3D WifiPlanner provides standard setups for basic designs but also includes a wide range of custom controls so that a developer can select the conditions that provide the best visualization for a specific deployment. In addition to signal strength, signal-to-noise and data rate views, a "Reliability" view displays network performance when the strongest one or two Access Points are not available. A great way to identify back up requirements.

## Detailed documentation simplifies deployment

Once Access Points have been identified and located along with the height, antenna type and angle, transmission power, assigned channels, along with the selected view and conditions, RF3D WifiPlanner prints all the data on a single page for each floor. The printed reports provide a detailed working plan for contractors and installers.



### REQUIREMENTS

#### Software:

- Windows Vista, Windows XP SP2 or Windows 2000 SP3
- Internet explorer 5.01 or later (required for online licensing)
- Microsoft .net framework 2.0 (free download from Microsoft)

#### Hardware:

- Processor: Intel Pentium 1.5 GHz or greater
- Display: 1024x768 or greater
- RAM: 750 MB for small or medium plans (<30APs). For larger plans from 1GB on

#### RF3D WifiPlanner is available in 2 versions:

**RF3D WifiPlanner** – Recommended for designing large wireless networks or for buildings with more than five floors

**RF3D WifiPlanner Lite** – Recommended for designing wireless networks with up to ten Access Points

	RF3D WifiPlanner™ Lite	RF3D WifiPlanner™
Supported Wifi Standards	IEEE 802.11 a/b/g/h	IEEE 802.11 a/b/g/h
Regulation domain	USA/ EMEA / custom	USA/ EMEA / custom
File format	JPG, PNG, BMP	JPG, PNG, BMP
High speed 3D simulation engine	•	•
Real time simulation	•	•
Automatically scale and align imported	•	•
Windows like user interface	•	•
Types of interior environment models	3	3
Scalable resolution	•	•
Selectable network load to simulate actual application performance	•	•
User configurable visualization	•	•
3D antenna directioning	•	•
Signal strength simulation	•	•
Signal-to-noise simulation	•	•
Datarate	•	•
Interference simulation	•	•
Reliability simulation	•	•
Document manager	Optional	Optional
Access Point	10	unlimited*
Levels/Floors	5	unlimited*
Antenna models included in library	5	20
Wall/floor types included in library	12	30
Open interface for library	•	•
User editable library	•	•
Model number	PS_P3DLGT	PS_P3DSTD

\* depending on hardware configuration

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