



Enterprise Coverage Solutions



**Northern  
Networks**

“ Conventional approaches to solving in-building coverage problems can be 3 to 5 times more expensive than a Spotwave solution.\* ”

\*See the Gantry Group 'Value Driver Profile Report: SpotCell™ In-Building Solution for Wireless Carriers' at [www.gantrygroup.com](http://www.gantrygroup.com)

## Spotwave Product Benefits

- Carrier-approved and network friendly
- Cost-effective targeted coverage - only where you need it
- Everything you need for rapid deployment in an out-of-the-box solution
- Modular so you can buy what you need now, and scale it later as required
- Adaptive so they always maintain a consistent coverage area in your building
- Once installed it's maintenance free - set it and forget it



## Wireless for Where You Work

Your company's business applications are going mobile. Perhaps you're thinking about implementing wireless applications to improve productivity and gain competitive advantage. More likely your organization already depends on wireless technology to increase efficiency and mobility. Whether your organization is investing in or already using wireless for business initiatives - salesforce automation or customer service accessibility, fleet management or location based services, emergency command center back up or better doctor-patient care - you expect that your wireless devices will work indoors.

### Overcoming Barriers to Poor Indoor Coverage

Great coverage outside doesn't always mean great coverage inside. Building materials like concrete and tinted glass or even your building location can create indoor coverage gaps. We've all experienced the frustration of dropped calls or poor reception indoors. When this impacts your business, and your investment in wireless technology, a solution is required. Spotwave overcomes the barriers to poor indoor coverage with a simple, affordable, effective solution, approved by your wireless carrier.

## Spotwave Coverage Products

SpotCell® indoor coverage systems from Spotwave seamlessly bring the outdoor signal inside - ensuring your wireless devices work reliably indoors where they are being used most. Our solution is ideal for organizations looking to quickly and cost-effectively enhance indoor wireless connectivity in spaces ranging from 5,000-100,000 sq. feet and even as large as 750,000 sq ft.

### Carrier Grade Technology

Our products are carrier-specific to ensure the best signal integrity, supporting CDMA, GSM and iDEN technologies and all carriers operating in North America. Once installed, our SpotCell systems require no maintenance or adjustments and are guaranteed to maintain signal integrity under a broad range of conditions.



SpotCell® Indoor Coverage System



## Our Customer Deployments

Our customers are organizations like yours - they do business wirelessly. From hospitals to manufacturers, IT companies to retail stores, we've had thousands of successful deployments. So whether the coverage problem is in a conference room, a manufacturing floor, a hospital wing or a home office, we provide our customers with carrier-approved, seamless coverage where they need it, when they need it, and our customers agree that our approach to seamless coverage is second to none.

## The Carrier-Approved Difference

Spotwave Wireless has the only out-of-box solution certified by carriers across the continent. Carriers have spent billion of dollars for their wireless spectrum - it's their most valuable asset. In addition, they are legally responsible for ensuring that they do not interfere with another carrier's spectrum. This means that you're prohibited from deploying or using any product that could interfere with your carrier's or another carrier's network.

### Adapting to a Changing Environment

This is not a concern if you deploy a SpotCell indoor coverage system. Spotwave has worked closely with carriers to determine what impacts their networks. We go well beyond minimum requirements for coverage enhancement to ensure that our products will never interfere with a carrier's network. Our solutions constantly adapt to changes in the wireless environment ensuring we'll never negatively impact the network. The same can't be said for other products which can create unwanted noise and interference. Even FCC and other regulatory approvals do not guarantee that a product is compatible with a carrier's network, nor do they mean a product is certified and approved by a carrier.

### Wireless Peace of Mind

What does this mean to you? Because Spotwave has the only integrated solution approved for use in carrier networks, and our systems maintain spectrum integrity, we ensure that your organization won't be interfering with any carrier's network when you improve your coverage with Spotwave. This peace of mind is a critical consideration for your business.

## Benefits for your Business

- Maximize your investment in wireless technology
- Mobility, accessibility, and new wireless applications mean increased productivity
- Mobilize your workforce with new wireless data applications that work indoors
- Optimize your resources so your customers can reach your sales and support teams even when they're away from their desks
- Make your buildings "wireless friendly"
- Ensure security and safety for your employees and visitors in areas like stairwells and parking garages



Multi Tenant Office Towers



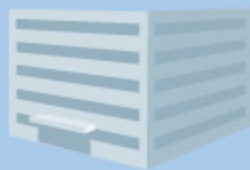
Sports and Entertainment Facilities



Retail Outlets and Shopping Malls



Institutional and Healthcare Facilities



Multi Tenant Office Buildings



Manufacturing Facilities and Warehouses

# Home & Small Business

Indoor Wireless Coverage Systems



Spotwave's carrier-approved, indoor coverage solutions seamlessly bring the outdoor signal inside –

### Spotwave Product Benefits

- Coverage solutions for homes and offices up to 5,000 square feet
- Out-of-the-box wireless coverage solution - ready for rapid deployment
- Discreet looking design blends seamlessly into any environment
- Always maintains a consistent coverage area in your home or office
- Easy to install - no special skills or equipment required



## Coverage Made Simple for Home and Small Business

It's a common story. You're working from home. Important contacts are trying to reach you but calls either drop or go straight to voicemail. The bars on your cell phone and PDA hover between zero and one. You keep walking to the window to call headquarters. Sound familiar?

Now there's a simple solution that will ensure your cell phone calls are crystal clear, that the speed on your 3G-enabled laptop is phenomenal, and that you get full bars on your PDA. The obstacles preventing reliable wireless indoors are gone. The future of exceptional wireless coverage is now.

### The Issue

With the only carrier-approved indoor wireless coverage offering for your home and office, Spotwave has built a reputation for simple, reliable, cost-effective products that will never impact the wireless network. We've successfully improved indoor coverage for thousands of enterprise businesses, and we're now offering the same simple, easily-installed solution for the home consumer - made to ensure your wireless devices have full-bar coverage. The product design blends into any environment and like our SpotCell solutions for enterprise customers, our products for the home are fully adaptive and network friendly, meaning great coverage and no impact on the wireless network.

### What This Means to You

- You can finally cut the cord and go completely wireless!
- You're reachable when you have to be, with reliable voice coverage
- You can leverage advanced 3G data technologies and ensure that your high speed wireless data service is truly high speed
- Connectivity, Reliability, Productivity

SPOTCELL HOME & SMALL BUSINESS



COVERAGE UNIT

DONOR UNIT

## SpotCell System Overview

The SpotCell® family of indoor coverage systems is the reliable solution for home and small business owners customers requiring "always-on" indoor wireless connectivity. The SpotCell Home and Small Business system provides targeted coverage for spaces ranging from up to 5,000 square feet.

SpotCell products are carrier-specific, easily deployed, cost-effective coverage solutions for cellular and PCS bands. Once installed, a SpotCell system requires no maintenance or adjustments and is guaranteed to protect signal integrity under changing conditions.

## The Only Adaptive Solution

Spotwave has combined smart antenna technology and adaptive techniques to create the world's first and only adaptive coverage systems. Adaptive means no user controls or worries. Once installed, the SpotCell systems automatically adjust performance according to network signals and isolation - no maintenance or adjustments are required. The unique adaptive capability of the SpotCell family also eliminates much of the planning, design and engineering effort associated with conventional coverage approaches.



## System Components

The foundation for the SpotCell Series is a weatherproof Donor Unit and a smaller indoor Coverage Unit. The Donor Unit provides the air interface to the carrier cell tower and can be installed in an indoor or outdoor location. It includes an integrated high-gain directional antenna, a weatherproof connection for the RG6 coaxial cable and a LED alignment indicator. The Coverage Unit, which houses the main signal processing, control and diagnostics display - provides the air interface to the mobile handset and is located within the desired coverage area.