

# Wi-Fire

Reliable Wireless Connectivity

**The Wi-Fire is a compact, range-extending USB device that enables users to access a wireless Internet connection from up to 1,000 feet away—three times the range of your internal wireless adapter.**

The Wi-Fire uses a powerful directional antenna, highly sensitive receiver and proprietary software to find and enhance normal WiFi signals. With it your customers can connect wirelessly to the Internet faster and with a stronger signal than an internal wireless adapter can achieve.

Suffering from dropped packets and spotty connections? The Wi-Fire allows your customers to tap into remote applications, manage email, surf the Internet, stream audio and video and play online games—without squinting at a tiny screen or thumb typing on a credit-card-sized keyboard. And just try performing essential online tasks on a painfully slow cell phone connection, even today's 3G networks are no match when you need to send large files or download video.

Your customers could set out looking for the closest and strongest access point. They could suffer through a spotty, slow connection that drops at the most inopportune time. Or they could plug in the Wi-Fire, see access points they never even knew existed and get online—now!

The Wi-Fire draws very little power from the laptop battery. It comes complete with everything your customers need to connect wirelessly to the Internet. The Wi-Fire can rest flat on any surface or clip securely to a laptop display or flat screen monitor. Just install our software, the Wi-Fire Connection Manager, plug the Wi-Fire into a USB2.0 port, and they're ready to start.

The Wi-Fire Connection Manager reveals all available networks in the area—more than they've ever seen without the Wi-Fire. Simply select the strongest publicly accessible network (or a private network for which they have authorization), rotate the Wi-Fire's directional antenna to focus the signal—and connect.

## Reseller Terms

- ⦿ Retailer discounts available, contact hField for details. (Payment in advance; Master Pack quantity: 28 units shipped in 12.5Lx12.5Wx12H, 16 lb. gross wt.)
- ⦿ Orders for 10 Master Pack cartons or less generally ship from our Florida warehouse within 1 to 2 business days. Larger orders may require additional lead time.
- ⦿ All orders are FOB Kissimmee FL or, at hField's option, FOB Bethlehem PA, to buyer's shipping instructions.
- ⦿ International resellers and distributors: additional freight and duty paid by distributor.



## Ideal Markets for the Wi-Fire

- ⦿ Recreational travelers, including RVs/motorhomes and Yachts
- ⦿ Business travelers
- ⦿ Municipal WiFi users
- ⦿ College students
- ⦿ Home users
- ⦿ Enterprise applications from Sales to Info Sys tech support

“I travel a lot and check into hotels where I only get two bars of connection, if that. The Wi-Fire boosts the signal dramatically and helps me work faster.”

—Irvin Emerson, Whitehall PA

“I bought the Wi-Fire because I heard people were talking about how powerful this device is. As it turns out, when I got it, I found out how really true that was. All I can say, is - Thank you for creating this Super HighSpeed Device. Thank you.”

—Anthony S. Maugaotega, US Army



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## Product Specifications

The Wi-Fire is a compact, range-extending USB device that enables users to access a wireless Internet connection from up to 1,000 feet away—three times the range of your internal wireless adapter. It uses a powerful directional antenna and proprietary software to find and enhance normal WiFi signals. With it, users can connect wirelessly to the Internet faster, with a stronger signal, and at greater distances than an internal wireless card is able to achieve.

## Product Numbers

- ⊙ HFWFG200 (FCC, IC, All other non-CE)
- ⊙ HFWFG200-CE (20dBm Max Power for CE regulated countries)

## Wireless Specifications

- ⊙ Average Maximum Power (EIRP): +27 dBm
- ⊙ Minimum Receive Power: -96 dBm
- ⊙ IEEE 802.11 b/g protocols
- ⊙ Frequency Range: 2.421 Ghz–2.4835 Ghz
- ⊙ Security: WEP, WPA, WPAPSK, WPA2, WPA2PSK
- ⊙ Media Access Control: CSMA/CA with ACK
- ⊙ Certification: FCC, IC, CE (when so labeled)
- ⊙ Channels:
  - North America -11 channels
  - Rest of World-13 channels

## Operating Systems Supported

- ⊙ Windows XP or Vista
- ⊙ Mac OS X 10.4 (Tiger) and 10.5 (Leopard)
- ⊙ Linux (with kernel 2.6.24 and forward)

## Physical Specifications

- ⊙ 2.8 ounces (80g)
- ⊙ 4L x 0.55W (average) x 2.25 inches (102 x 14 x 57 mm)
- ⊙ USB 2.0
- ⊙ 5V DC (from USB port)

## Package Contents

- ⊙ Wi-Fire Wireless Adapter with Universal Mount Attached
- ⊙ USB 2.0 Cable (about 4 feet or 120 cm)
- ⊙ Quick Start Guide
- ⊙ Wi-Fire Connection Manager CD (including drivers)
- ⊙ License and Limited Warranty



“I am impressed with the functionality of the Wi-Fire. Because it saves me time, I can save my customers money.”  
—Darren King, Yarmouth, Nova Scotia

“I’m on the road constantly as executive vice president of a major software company. The Wi-Fire has increased my efficiency and added hours of useful time to my day.”  
—Bob Sandie, Palo Alto CA

“The Wi-Fire was the only adapter I can use in the firehouse for wireless connectivity. Once all the other firemen saw I had internet access, they wanted Wi-Fires too, so now I end up ordering Wi-Fires for all the other firemen.”  
—Steve Ross, Fireman, Major US City

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## Three Things to Consider

In addition to connecting to an access point, a WiFi adapter must also maintain strong, fast, sustainable connections so that the user benefits from the high speed WiFi internet access. Here are three important objective and subjective measures of the Wi-Fire's performance.

### ① Distance from Access Point

Many things can lower the strength of a WiFi signal, but the most common enemies are obstructions and distance to the Access Point. As a consumer using a standard WiFi adapter, as the distance from the Access Point increases, the usable WiFi signals drop exponentially. Even at these distances, the Wi-Fire helps the user stay connected at high speed with its high receive sensitivity (-96 dBm) and its unique focused directionality, coupled with one of the highest power density and signal-quality-enhancing antennas on the market, all brought together with the performance of the Wi-Fire's proprietary software.

### ② Maximum Throughput

Because the 802.11b/g protocols use Dynamic Rate Scaling, the Maximum Throughput levels are decreased as a signal gets weaker. Because of the powerful built in antenna within the Wi-Fire, its very efficient integration with the electronics, as well as the receive sensitivity advantage and the discriminating software, users can significantly increase overall connections speeds at increased distances, remaining high, even when other adapters are slow.

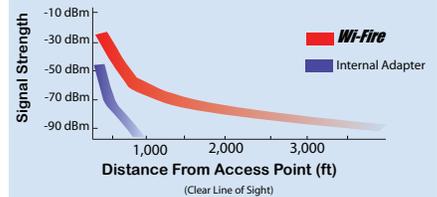
### ③ Subjective Internet Use

Objective metrics are important, but ultimately actual usability is what WiFi users look for. In most tests, the Wi-Fire has provided a usable network connection where an internal adapter could not. Internal adapters may connect without the Wi-Fire, at increasing distance, the connection was often insufficient even for browsing, and high bandwidth activity was nearly impossible. In the same environment, the Wi-Fire allowed for fast browsing and was even strong enough for the online streaming of video and audio sources.



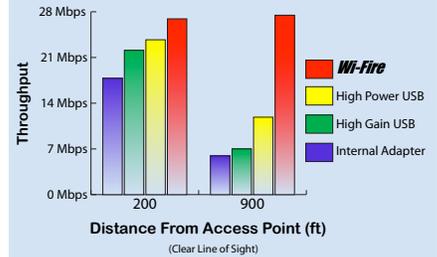
## Performance Test Results

### Wi-Fire: Greater Distances



Wi-Fire allows you to connect from three times further away than with an internal adaptor. The Wi-Fire maintains connectivity better, faster and longer.

### Wi-Fire: Faster Speeds



Wi-Fire's enhanced signal lets you maintain high bandwidth speeds where other adapters barely permit simple browsing. The graph represents actual throughput while downloading, as opposed to maximum connection speed.



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## Testimonials

“We went to Jamaica with the Wi-Fire and were able to post new vacation photos to our family website every single day from our hotel room. It really made it easy for people back home to share the experience with us. Of course, they were all very jealous!”

—Tammy Kervan, Indianapolis IN

“Since we retired, my wife and I are all over the country in our RV, visiting grandkids, seeing the sights and going where the wind blows us. It used to be a real pain to stay in touch, send photos and play online games. (My wife loves to play gin on Yahoo.) Now with the Wi-Fire, it's plug in and go. I've even started a blog. Can you believe it? I'm 68 and I've got my own blog. Thanks Wi-Fire”

—Gary Tothe, Omaha NE

“I'm mobile around town, mostly for business. We have muni Wi-Fi, but often I'm out of reach of a decent signal. The Wi-Fire lets me to go wireless in more locations and stay connected, which is absolutely essential for my business.”

Joe Mays, Louisville KY

“I really enjoy spending time in our downtown area, which has a few hotspots. Unfortunately, I could never get a signal at my favorite coffee shop. With the Wi-Fire, not only do I get dependable connections, now I can have my cake and eat it, too.”

—Dave Li, Somerville MA

“My clients don't care if I'm in Los Angeles or Seattle. They expect me to service their account whenever they call. I can't tell you how much more efficient I am since I got my Wi-Fire. Connecting to the Internet at high speeds means I can do my job anywhere”

—Ruth Miller, Los Angeles CA

“My apartment is downtown with municipal WiFi access, but I always had a really terrible signal. It used to drop out literally every few minutes. Now I'm online 24/7. In fact, I'm happy to say that since I plugged in my Wi-Fire, I have been signed on to instant messenger for 3 days, 17 hours and 52 minutes without one disconnect.”

—Victoria Berenholz, Bethlehem PA

“The Wi-Fire increases both my signal strength and connection speed. I have run a few speed tests over the Internet and I see at least a 40% increase.”

—David Garcia, University of Florida

“I run a home-based business. At night I like to sit with my wife, working on my laptop while she watches TV. Problem is, the family room is too far from my router, so my wireless connection stinks. The Wi-Fire helps me stay connected anywhere in the house, so I'm more efficient, and I get to see my wife more!”

—Doug Marsh, Stamford CT

“We just finished our basement and it has turned into the family hangout. But the router is on the third floor in my home office, and the signal wouldn't reach—until I bought a Wi-Fire. Now we're wireless anywhere in the house, and I take it with me when I travel.”

—Greg Oberletter, Seattle WA

“I would definitely recommend the Wi-Fire to my friends. No matter where I go, I get a good wireless connection, and that's important for me. I'm going to be taking it with me everywhere.”

—Nick Nickitas, Lehigh University

