HAWKING®
TECHNOLOGY

Hi-Gain™ Dual-Band Wireless-N USB Adapter

MODEL: **HD45U**

DUAL BAND

PACKAGE CONTENTS:

· One Hi-Gain™ Dual band Wireless-N USB Adapter
· One Mac/PC CD (includes User's Manual and Support Utility for PC)
· One USB flexible cable
· Easy to follow Quick Installation Guide

This Dual Band adapter converts your laptop or desktop to receive the 2.4GHz or 5.0GHz frequency at up to 450Mbps. No matter your preferred frequency, the HD45U streams High Definition content to your laptop, desktop, or home theater PC, at faster speeds with a quality connection. Avoid interference and maximize throughput with this dual-band USB adapter for smoother and faster video streaming, wireless gaming, and file transferring. Easy install procedures allow any user to setup a network environment in a very short time.
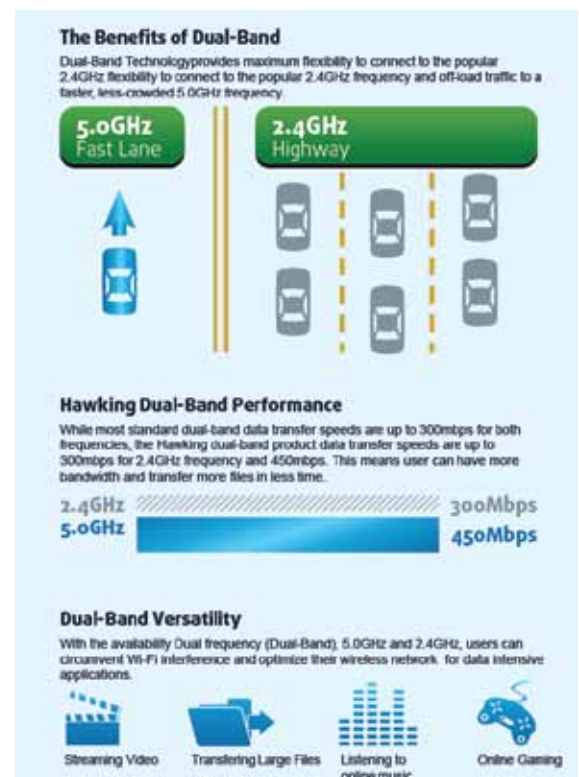
TECHNOLOGY

Dual-Band Technology provides maximum flexibility for users to connect to the popular 2.4GHz frequency and also off-load traffic to the faster, less-crowded 5.0GHz frequency. Because the 2.4GHz frequncy is the most commonly used, interference with other 2.4GHz networks is inevitable, limiting your network speed and performance. With the availability of the 5.0GHz frequency, users can circumvent this interference and optimize their Wi-Fi connectivity. Dual-Band Technology enables a blazing fast connection, even in heavily congested Wi-Fi areas.

FEATURES

• Supports 2.4GHz and 5GHz wireless devices
• Converts any laptop desktop to receive the 2.4GHz or 5.0GHz frequency at up to 450Mbps
• Comply with IEEE 802.11a/b/g/n standards
• Supports WMM wireless QoS feature
• Supports 64/128-bit WEP, WPA, WPA2 with IEEE 802.1x functions for high level of security
• Supports both Mac and Windows operating systems
• Supports WPS (Wi-Fi Protected Setup) hardward button for easy connection
• Hinged antenna design easily adapts to your wireless network environment

SYSTEM REQUIREMENTS

• Windows 2000/XP/7 or Mac 10.5~10.7 computer with an available USB port
• CD-ROM drive (to install driver)
• At least 100MB of available disk space

The Benefits of Dual-Band
Dual-Band Technology provides maximum flexibility to connect to the popular 2.4GHz flexibility to connect to the popular 2.4GHz frequency and off-load traffic to a faster, less-crowded 5.0GHz frequency.

5.0GHz Fast Lane   **2.4GHz** Highway

Hawking Dual-Band Performance
While most standard dual-band data transfer speeds are up to 300mbps for both frequencies, the Hawking dual-band product data transfer speeds are up to 300mbps for 2.4GHz frequency and 450mbps. This means user can have more bandwidth and transfer more files in less time.

2.4GHz   300Mbps
5.0GHz   450Mbps

Dual-Band Versatility
With the availability Dual frequency (Dual-Band), 5.0GHz and 2.4GHz, users can circumvent Wi-Fi interference and optimize their wireless network for data intensive applications.

Streaming Video   Transferring Large Files   Listening to online music   Online Gaming

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SPECIFICATIONS:

Standards: 802.11a/b/g/n
Data Rate: up to 45Mbps

Frequency Band:
2.4GHz or 5GHz

Antenna:
2dBi (2.4GHz) and 4dBi (5.0GHz)

Drivers: Win 2000/XP/7 and Mac 10.5~10.7

Security: WEP 64/128, WPA, WPA2

LED: Activity Display

Dimension: 3.5(L) x 1(W) x 0.7(H) in.

Hardware: WPS button

Operating Temperature: 32~104°F,

Storage: -4~140°F

Operating Humidity: Operating:
10~90%
(Non Condensing)

Storage: Max.95% (Non Condensing)

Certification: FCC, CE

Most homes and offices have a wireless router, but a common problem with standard wireless routers is that the quality of most standard wireless networks diminishes significantly past a coverage radius of 200 feet. Anywhere outside the coverage zone the connection will be slow and unstable, or even as major as no connection at all. The HD45U is designed with Dual-Band technology to increase your wireless reception so you can receive both 2.4GHZ frequency signals and 5.0GHz frequency signals.

Using the HD45U Adapter

up to 450Mbps (5.0GHz)

up to 300Mbps (2.4GHz)

Using a standard built-in Wi-Fi Adapter

up to 150Mbps (2.4GHz)

Use the chart below to see which USB adapter is right for you. The HD45U dual-band Wireless-N USB adapter is a great wireless solution for consumers in a Wi-Fi congested area looking for incredibly fast network speeds and for consumers looking to create 5.0GHz network compability for their laptop or desktop.

	Laptop with built-in Wi-Fi	HAWNU1	HWUN4	HD45U
Performance				
Speed	up to 150 mbps	up to 150 mbps	up to 300 mbps	up to 450 mpbs
Output Power	up to 40 mW	up to 200 mW	50 mW	50 mW (2.4GHz) 16 mW (5.0GHz)
Antenna	1 dBi gain	3dBi (upgradable)	3 dBi	4dBi
Wireless Coverage ★basic ★★★★excellent	★	★★★	★★	★★
Standard & Compatibility				
Frequency	2.4 GHz	2.4 GHz	2.4 GHz	2.4 & 5.0 GHz
Standard	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 a/b/g/n
Operating System	Windows or Mac	Windows & Mac	Windows & Mac	Windows & Mac