



HWUG1



Wireless-G USB Adapter

with Removable Antenna

PACKAGE CONTENTS:

- One Wireless-G USB Network Adapter
- One Dipole Antenna
- One CD (Driver/Utility/User's Manual)
- One Quick Installation Guide

Wireless-G Networking with Optional Antenna Upgrades for Extended Wireless Range!

Hawking Technology's HWUG1, 2.4Ghz Wireless-G USB 2.0 Network Adapter with removable antenna, packs the latest wireless technology into a compact unit, capable of transferring data at speeds up to 54Mbps and 108Mbps, capable when paired with the Hawking HWRGM1A Mimo Router. The external dipole antenna can easily be removed and upgraded to a Hawking Hi-Gain Antenna for extended wireless range.

For piece-of-mind wireless security, the HWUG1 supports 64/128-bit WEP data encryption that protects your wireless network from eavesdropping. It also supports the WPA and WPA2 (Wi-Fi Protected Access) security standards that combines IEEE 802.1x and TKIP (Temporal Key Integrity Protocol) technologies. Client users are required to authorize before accessing to APs or AP Routers, and the data transmitted in the network is encrypted/decrypted by a dynamically changed secret key.

Features

- Works with both IEEE 802.11b and IEEE 802.11g products.
- Removable antenna with reverse SMA connector upgradeable to a higher power antenna for a wider wireless coverage. (For the best result, pair the HWUG1 with a Hawking Hi-Gain Antenna)
- Signal strength indicator shows current wireless signal reception information
- High-speed transfer data rate up to 54Mbps
- Supports Turbo Mode to enhance the data transfer speed within a specific wireless network.
- Supports WMM (IEEE 802.11e QoS standard)- High throughput allows for the transfer of data heavy multi-media files.
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x) and AES functions for the highest level of security.
- Automatic fallback increases data security and reliability.
- Supports the most popular operating systems: Windows 98SE/Me/2000/XP/2003 Server
- USB2.0 Compliant & Bus powered

System Requirements

- Pentium Compatible CPU or above
- Windows 98SE, ME, 2000, XP, 2003 servers
- One Available USB Port
- One Available CD-Rom For Driver Installation



Wireless-G USB Adapter with Removable Antenna

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HWUG1



2 Year Warranty

OPTIONAL ANTENNA UPGRADES

HAI7SIP Hi-Gain™ 7dBi Indoor Omni-Directional

Antenna

HAI7MD Hi-Gain™ 7dBi Indoor Directional

Antenna

HAI8DD Hi-Gain™ 8dBi Indoor Directional

Antenna

HAO9SIP Hi-Gain™ 9dBi Outdoor

Omini-Directional Antenna Kit

HAO9SDP Hi-Gain™ 9dBi Outdoor Directional

Antenna Kit

HAO14SDP Hi-Gain™ 14dBi Outdoor

Directional Antenna Kit

SPECIFICATIONS

Standard

• IEEE 802.11b/g

Interface

USB 2.0 Type A

Frequency Band

• 2.4000 ~ 2.4835GHz (Industrial Scientific Medical Band)

Modulation

 OFDM with BPSK, QPSK, 16QAM, 64QAM (11g) BPSK, QPSK, CCK (11b)

Data Rate

• 54/48/36/24/18/12/11/9/6/5.5/2/1Mbps auto fallback

Security

 64/128-bit WEP Data Encryption, WPA, WPA2, AES and IEEE 802.1x

Antenna

External Dipole Antenna

Drivers

Windows 98SE/Me/2000/XP/2003 Server

I FDc

Power/Link (Pwr/Lnk)

Transmit Power

• 17dBm ± 2dBm

Receive Sensitivity

-70dBm@54Mbps, -83dBm@11Mbps

Dimensions

• 10(H) x28(W) x 89.6(D) mm

Temperature

• 32~122°F (0 ~50°C)

Humidity

Max. 10-95% (Non-Condensing)

Certification

FCC, CE

READY, NETWORK AND GO!

Step 1 - Insert the Setup CD

Power on your PC and insert the setup CD into the CD-Rom Drive.

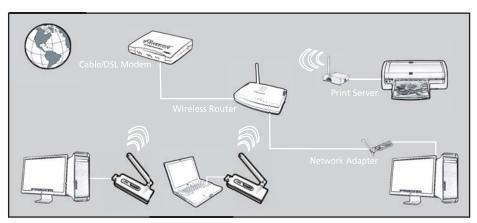
Step 2 - Install Utility and Driver

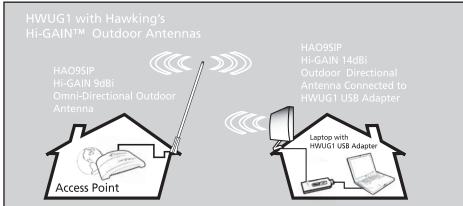
The setup CD will guide you through the installation process

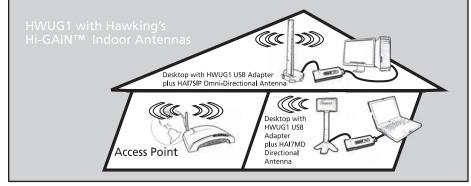
Step 3 - Plug in the HWUG1

After you have completed the driver installation, insert the HWUG1 firmly into the USB slot and search for wireless signals.

NETWORK DIAGRAM







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