



# 54M 802.11g Wireless Access Point and Ethernet Bridge

CONNECT WHEREVER YOU WANT · WHENEVER YOU WANT

CAREFREE WIRELESS



## HWBA54G

**Multi-function AP/Bridge**

**WPA (Wi-Fi Protected Access) Security**  
**2 Year Warranty**

### PACKAGE CONTENTS:

- One 54M Wireless-G AP/Bridge
- One CD, includes Drivers, Setup Wizard and Manual
- Easy to follow Quick Installation Guide



### Get Connected With Hawking

- Dual Function: Access Point and Workgroup Bridge
- Access Point: Add Wireless to any Network!
- Ethernet Bridge: Turn any Wired Ethernet Device Wireless
- Fully Backwards Compatible with all 802.11b Wireless Networks
- 54Mbps! Up to 5X Faster than 802.11b Products
- Easy to Install - Intuitive Setup Wizard!

### Multi-Function: Wireless-G Access Point or Ethernet Bridge

TURNSTILES' HWBA54G puts two solutions into one compact unit, saving you time and money. The included Software Setup Wizard lets you change the function of your HWBA54G whenever you wish to adapt to your specific application and changing network environment.

### Wireless-G Access Point Mode:

In the Wireless Access Point Mode, the HWBA54G allows for any existing wired network to go wireless. Simply attach the Wireless Access Point using the included Ethernet cable to an open port in your router or switch and enjoy high-speed wireless networking. You can also use the Access Point to cover "dead spots" in your existing wireless network by placing the unit in a room that is lacking wireless coverage.

### Wireless-G Bridge Mode:

The Wireless Ethernet Bridge Mode enables any wired Ethernet-ready device to connect to your existing wireless network using the HWBA54G. Connect your PC, notebook, printer, network camera, or even an entire wired network to the HWBA54G and establish a wireless connection to your wireless network. Whether in the home or in the office, you can wireless connect your networks without having to run long cables across the floor. The possibilities are endless and the "driver-free" installation is simple.

### System Requirements:

- Pentium-compatible CPU or above w/ CD-ROM Drive
- Wireless 802.11b or 802.11g Network



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**HWBA54G**  
**54M Wireless-G AP/Bridge**  
**802.11b/g Compatibility**  
**Two Year Warranty**

### RELATED WIRELESS PRODUCTS:

- HWR54G** Wireless-G Router
- HWC54G** Wireless-G Cardbus Card
- HWP54G** Wireless-G PCI Card
- HAI6SIP** Omni-Directional Antenna
- HAI6SDP** Directional Antenna
- HAI15SC** Corner Antenna

### SPECIFICATIONS:

#### Network Specification

- 2.4 ~ 2.56 Ghz
- IEEE 802.11b WLAN Standard
- IEEE 802.11g WLAN Standard
- IEEE 802.11
- IEEE 802.3u 100Base-TX Fast Ethernet
- ASNI/IEEE 802.3 N-way Auto-negotiation

#### Wireless Speed

- 54/48/36/24/12/11/9/6/5.5/2/1 Mbps Adaptive Data Rate

#### Channels

- USA (1-11)
- Europe (1-13)

#### Management

- Web-based Configuration and CD-ROM Software

#### Security

- 64-bit, 128-bit WEP encryption
- MAC Address filter
- 802.1x
- WPA (Wi-Fi Protected Access)

#### Power Requirements

- Operating Voltage: 5.0V, 1.5A Input

#### Modulation Techniques

- 54g: 54g OFDM (64QAM, 16QAM, QPSK, BPSK)
- 11b: DSSS (CCK, DQPSK, DBPSK)

#### Antenna

- 2dBi Removable Dipole Antenna (RP-SMA)
- Upgradeable to HI-Gain Antennas

**Frequency Range:** 2.412GHz - 2.462GHz

**Output Power:** 17+1dBm

**Dimensions:** 127 x 91.1 x 24.7mm (WxDxH)

**Weight:** 190g

**EMI Conformance:** FCC part 15 Class B, CE Mark

### READY, NETWORK & GO!

It's easy to install, it's easy to use! Everyone can do it.

#### Step 1 - Connect the HWBA54G to your PC

Using the included Ethernet cable, connect the HWBA54G to your PC.

#### Step 2 - Select your Mode of Operation

Power on your PC. Insert the included CD-ROM. When the wizard appears, select your operation mode according to the visual diagrams and network samples.

#### Step 3 - Configure and GO!

Complete the Setup Wizard and you're done!

### WIRELESS-G ACCESS POINT MODE DIAGRAM:



### WIRELESS-G ETHERNET BRIDGE MODE DIAGRAM:



### Receive Sensitivity:

802.11b

- 1Mbps: -91dBm
- 2Mbps: -88dBm
- 5.5Mbps: -85dBm
- 11Mbps: -83dBm

802.11g

- 6Mbps: -88dBm
- 9Mbps: -87dBm
- 12Mbps: -84dBm
- 18Mbps: -82dBm

- 24Mbps: -79dBm
- 36Mbps: -75dBm
- 48Mbps: -69dBm
- 54Mbps: -68dBm