HAWKING
T E C H N O L O G Y
®

Hi-Gain™ WIRELESS N

Hi-Gain™ Outdoor Wireless-N
Multifunction Access Point

MODEL: **HOWABN1**

PACKAGE CONTENTS:

- One Hi-Gain™ Outdoor Wireless-300N Multifunction Access Point
- 2x Hi-Gain Outdoor Antennas
- One Power over Ethernet DC Injector
- L-shape Antennas Connector
- One Waterproof Gasket Kit for RJ-45
- Power Cable and Power Transformer
- Ethernet Cable
- Wall & Pole Mounting Kit
- Setup CD-Rom

Hi-Gain™ Outdoor Wireless-N Multifunction Access Point

Hawking Technology's HOWABN1 puts multiple solutions into one weather proof outdoor unit. The Hi-Gain Outdoor Wireless-N Multifunction Access Point functions as an Outdoor Wireless-N Access Point, Universal Repeater or Ethernet Bridge. It features a Power over Ethernet connection and includes wall and pole mounting kits for easy installation and setup.

Outdoor Wireless-N Access Point Mode:

Create a wireless network in an outdoor or indoor location by setting the HOWABN1 in Access Point mode. In Access Point mode the HOWABN1 enables wireless access to any existing wired networking.

Outdoor Wireless-N Bridge Mode:

Enable any wired Ethernet-ready device or existing wired network to connect to your existing wireless network using the HOWABN1. Wirelessly connect the network of your remote office building to your main office building easily by setting the HOWABN1 in Bridge Mode.

Outdoor Wireless-N Universal Repeater Mode:

Repeat the wireless signal from your existing network and extend the total wireless range of your network to an outdoor location. Setting up the HOWABN1 in Universal Repeater mode allows you to extend the range from an indoor or outdoor Wi-Fi network to your desired new location.

Features

- High speed 300Mbps Wireless-N networking
- Features multiple operating modes and Power over Ethernet
- Setup Utility allows for easy configuration of multiple outdoor access points
- Heavy duty, weatherproof design

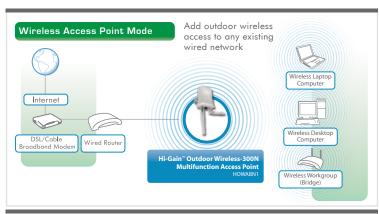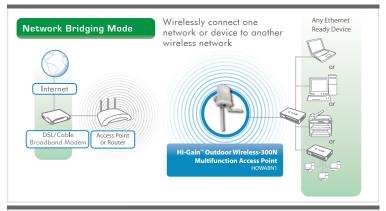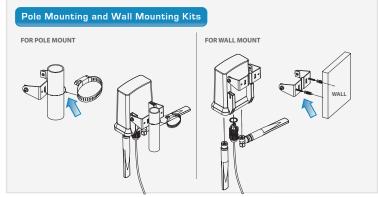**Hi-Gain™ Dual Radio Wireless Repeater**

- Capable of Multiple Operating Modes including Access Point, Ethernet Bridge and Universal Repeater
- Utilizes Power over Ethernet for (PoE) outdoor installations!
- Weatherproof design allows for installations in any outdoor environment
- Wall mounting and pole mounting kit included
- Power over Ethernet Injector included for initial configuration
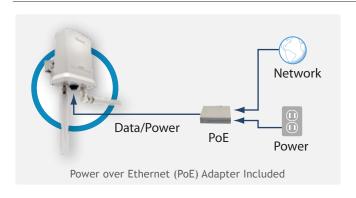
PRIMARY OPERATING MODES ▶

Wireless Access Point Mode

Add outdoor wireless access to any existing wired network

Internet — DSL/Cable Broadband Modem — Wired Router — Hi-Gain™ Outdoor Wireless-300N Multifunction Access Point HOWABN1 — Wireless Laptop Computer — Wireless Desktop Computer — Wireless Workgroup (Bridge)

Network Bridging Mode

Wirelessly connect one network or device to another wireless network

Internet — DSL/Cable Broadband Modem — Access Point or Router — Hi-Gain™ Outdoor Wireless-300N Multifunction Access Point HOWABN1 — Any Ethernet Ready Device — or — or — or

Universal Repeater Mode

Extend the range of any Wireless b/g/n network

Internet — DSL/ Cable Broadband Modem — Wired Router — Hi-Gain™ Outdoor Wireless-300N Multifunction Access Point HOWABN1 — Wireless Laptop Computer — Wireless Desktop Computer

Pole Mounting and Wall Mounting Kits

FOR POLE MOUNT

FOR WALL MOUNT

WALL

EASY INSTALLATION WITH POWER OVER ETHERNET ▶

Network

Data/Power

PoE

Power

Power over Ethernet (PoE) Adapter Included

By combining your power and data connections into a single cable, PoE simplifies the setup of the Hi-Gain Outdoor Multifunction Access Point. The included Power over Ethernet DC Injector provides power and network access (through your home or business router or network connection) and combines them into a single RJ-45 connection for the HOWABN1. This allows you to install the HOWABN1 outdoor in hard to reach locations without worrying about running both power and Ethernet cables.

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SPECIFICATIONS:

Modem Specifications:

- Operating Modes:
  - Wireless-300N Access Point
  - Wireless-300N Ethernet Bridge
  - Wireless-300N Universal Repeater
  - Wireless-300N Point to Point Access Point
  - Wireless-300N Point to Multipoint Access Point
  - Wireless-300N WDS Repeater

Network Specifications:

- IEEE 802.11n, 300Mbps, 2.4GHz
- IEEE 802.3af PoE
- 2 x N-Type Antenna Connectors
- 2 x 5dBi N-Type Outdoor Antennas
- Supports WEP, WPA, WPA2 Wi-Fi Security

Network Management

- Setup Utility (Windows application)
- Web Based Management Interface

Hardware Specifications:

- Connectors/Ports/Switches
  - Two N-Type Connectors
  - One 10/100M Ethernet Ports (LAN)
- Power:
  - 48V, 0.5 Switching Power Adapter (POE)
- Dimension / Weight
  - POE Injector: 3 x 2¼ x ¾ in / app. 0.10 lb.
  - Repeater: 7 x 5½ x 3 in / app. 1.10 lb (excludes antennas)
- Temperature
  - Operating: -20~70˚C , Storage: -40~80˚C
- Humidity
  - Operating: 10~90% (Non-Condensing)
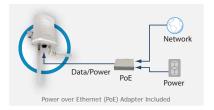 - Storage: 5~95% (Non-Condensing)

System Requirements

- Computer (Mac or PC) with 200MHz or faster processor with CD-Rom or DVD-Rom drive
- Internet web browser (Internet Explorer 4.0 or better, Safari, Mozilla, etc.)
- A wired or wireless network adapter (ie. AirPort card, built-in Ethernet adapter, etc.)
- A home or business network

POWER ON & CONNECT!

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

STEP 1: Power on the Access Point
Use the included Power over Ethernet Injector to connect the HOWABN1 to your network and a power source.

Network
Data/Power
PoE
Power

Power over Ethernet (PoE) Adapter Included

STEP 2: Configure the Access Point
Insert the included CD and open the Setup Utility. Configure the operational mode and settings of the Access Point.

STEP 3: Mount the Access Point
Find a safe location to mount the Hi-Gain Outdoor Multifunction Access Point.

SETUP UTILITY:

The included Windows based Setup Utility is a powerful tool for administrators to configure and troubleshoot settings on the HOWABN1. The Setup Utility allows administrators to upgrade firmware, reset devices to factory settings, adjust IP settings, change operating modes and view current system settings. The Utility uses a proprietary communication protocol to connect to the Outdoor Access Point without having to know the correct IP settings.