

HAO9SDP**Hi-Gain™ 9dBi Outdoor Directional Antenna Kit****HAO9SDP****2.4GHz Hi-Gain Directional 9dBi Outdoor Directional Antenna****PACKAGE CONTENTS:**

- ♦ One 9dBi Directional Antenna
- ♦ 50cm Extension Cable (N-Plug to Rev. SMA Plug)
- ♦ TNC Adapter
- ♦ Surge Protector (N-Plug to N-Jack)
- ♦ Waterproof Tape
- ♦ Mounting Kit
- ♦ Quick Installation Guide

Extend the Distance of your Wireless Devices up to 1 mile

The HAO9SDP Hi-Gain Outdoor 9dBi Directional Antenna Kit is a heavy-duty, weather proof, high powered antenna for extending the range of your 802.11b and 802.11g WiFi devices. Whether your application requires extending a wireless signal from one building to another or simply from one end of a house to the other, the Hi-Gain Directional Antenna Kit from Hawking is the perfect solution. The power rating of WiFi antennas is measured in terms of decibels (dBi). The HAO9SDP boosts the antenna power of standard antennas from a minimal 2dBi to a staggering 9dBi. This results in extended wireless distances of up to 1.5 miles when paired with another Hawking Hi-Gain 9dBi Outdoor Directional Antenna.

Installation of the HAO9SDP is simple and straight forward. It is compatible with most wireless devices (Access Points, Routers, Bridges and Network Adapters) on the market with removable external antennas. The Hawking Antenna comes equipped with N-Type, RP-SMA, RP-TNC connectors to support a wide range of wireless devices. For those devices that use adapters not included in the packaging, please visit the Hawking Technologies website for a selection of specific connectors for your device.

NOTE: To use the HAO9SDP, a Hawking Low Signal Loss outdoor antenna cable is required for proper installation and operation. Hawking offers two models, the HAC10N (10-foot cable) and the HAC30N (30-foot cable). Depending on your setup, a shorter cable is recommended for minimal signal loss due to cable length.

Features

- ♦ 2.4 Ghz Frequency - Works with popular Wireless Standards
- ♦ Reverse SMA Plug - Compatible with most Access Points/Adapters
- ♦ TNC Adapter is included for Cisco & Linksys Routers
- ♦ A 9dB External Outdoor Directional Antenna - Ensures optimal coverage
- ♦ Supports all network operation systems
- ♦ Setup is quick and simple

System Requirements:

- ♦ One Wireless 2.4GHz 802.11b/g Device with a Removable External Antenna
- ♦ Connector Type: Reverse SMA or Reverse TNC

HAO9SDP



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Hi-Gain 9dBi Outdoor Directional Antenna Kit

Network Specifications:

- ♦ IEEE 802.11b/g
- Operating Frequency**
- ♦ 2.4~2.4835 Ghz
- Electrical Properties**
- ♦ Impedence: 50 Ohms Nominal
- ♦ Gain: 9dBi
- ♦ Polarization: Linear, Vertical

HPBW

- ♦ Horizontal: 70°
- ♦ Vertical: 65°

Antenna Connectors

- ♦ N-Jack

Cable

- ♦ ULA 198, 20cm

Adapters

- ♦ TNC Adapter

Survival wind Speed

- ♦ 134 m/hr

Radome color

- ♦ Gray-white

Radome material

- ♦ PC, UV resistant

Dimensions

- ♦ 4.9 (L) x 1.88 (W) x 4.9 (H) in

Weight

- ♦ 0.5 lbs

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

Preinstallation - The HAC30N outdoor cable is sold separately and required for outdoor installation

Step 1 - Connect Extension Cable to your Access Point

Remove the original antenna from your Wireless Access Point and attach the Rev. SMA connector from the Extension Cable (white color cable) to your Access Point's antenna connector

Step 2 - Install the Surge Protector

After you have attached the Extension Cable to your Wireless Access Point, install the Surge Protector to the N-Plug at the opposite end of the Extension Cable.



Step 3 - Connect to the Antenna and Protect it from weather damage

Once you have successfully grounded your Surge Protector, connect the other end to the N-Plug Extension cable (HAC30N). Then, please take the Water-Proof Tape and tape the metal connectors that are exposed to the outdoors to prevent any damage from weather. After your antenna is completely connected, safely mount your antenna to a pole or wall. (See QIG for instructions on how to assemble for wall or pole mounting).

ADDITIONAL FEATURES & BENEFITS

- ♦ Excellent outdoor performance -Increase Your Overall Wireless Range and Performance
- ♦ UV resistant and can withstand wind speeds of up to 134 m/hr
- ♦ Works with 802.11 b/g/n* Wireless Standards
- ♦ Easy Installation - Plug and Play

RELATED PRODUCTS

Outdoor

HAC30N	30 ft. Outdoor N-Plug Hi-Gain Antenna Cable
HAO9SIP	Hi-Gain 9dBi Outdoor Omni-Directional Antenna Kit
HAO9SDP	Hi-Gain 14dBi Outdoor Directional Antenna Kit
HAO15SIP	Hi-Gain 9dBi Outdoor Omni-Directional Antenna Kit

Indoor

HA12W	Hi-Gain 12dBi Indoor Window Antenna
HAO15SC	Hi-Gain 15dBi Indoor Corner Antenna
HAI7SIP	Hi-Gain 7dBi Indoor Omni-Directional Antenna
HAI7MD	Hi-Gain 7dBi Compact Indoor Directional Antenna

WIRELESS NETWORK DIAGRAM:

