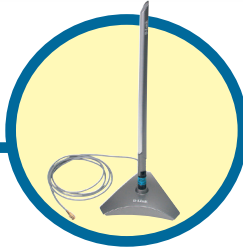# D-Link®
Quick Installation Guide

This product is compatible with 2.4GHz wireless networking devices.

ANT24-0501
2.4 GHz 5dBi Directional Indoor Antenna

Check Your Package Contents

These are the items included with your ANT24-0501

ANT24-0501 Antenna with 1.5m cable

Mounting Accessories (1 Sticker, 2 plastic anchors, 2 screws)

RP-SMA to RP-TNC adapter

If any of the above items are missing, please contact your reseller.

⚠
- Always place the antenna on a flat or secure surface.
- Concealing the antenna behind books, cabinets or other office equipment may affect the performance of the wireless network.
- The antenna transmission range may vary according to different environments or applications.
- This antenna has a magnetic meterial embedded inside that might cause damage to surrounding objects, including memory card, storage disks and credit cards...etc. Please ensure to keep these objects at least 15 cm away from this antenna to avoid possible damage.

1 Connecting the Antenna

ANT24-0501 is a 5dBi indoor range extender antenna, which can increase effective range and improve throughput of wireless network for not only 802.11b but 802.11g devices. It works with AP/ Routers to boost high-speed wireless signal in omni 360 degree coverage and provides extended point to multi-point coverage. The range extended antenna can work on all wireless networking devices equipped with RP SMA or RP TNC connector that makes you use without barrier.

The ANT24-0501 also includes an RP-SMA to RP-TNC adapter for attaching the ANT24-0501 to products with a RP-TNC connector.
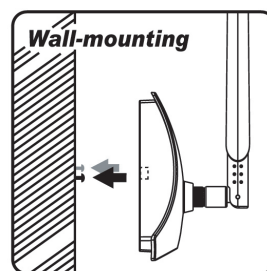
2 Installing the ANT24-0501

A. Simply remove the default antenna from device such as AP or Router and replace it with ANT24-0501.

B. Identify an optimal location for the antenna. The antenna can be placed on a flat surface such as desk, mounted on the wall or use magnetic mounting method to places such as partition or attach on the device directly.

C. Adjust the angle of the antenna to a right angle, which can attain better signal transmission and a larger coverage area.
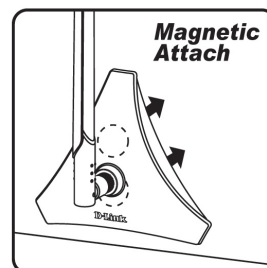
3 Mounting the Antenna (optional)

A.
Wall Mounting:

Step 1: Identify a mounting location and place the sticker on.
Step 2: Use a 4/16"drill bit to drill holes at 2 marked places on sticker.
Step 3: Tap the plastic anchors gently into the hole by using a rubber mallet or hammer.
Step 4: Use a screwdriver to secure the screws into the plastic anchors.
Be sure to leave enough space so the antenna base will slide over the head of the screw.
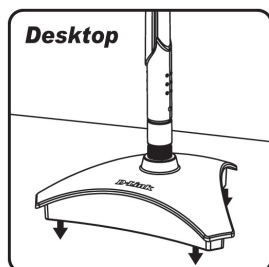Step 5: Place the antenna base over the screw and slide it into the locking position.

Wall-mounting
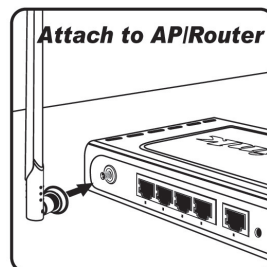
B.
Magnetic Mounting:

Step 1 : Identify a mounting location which is available for magnetic using.
For example: Office partition, white board, etc.
Be sure not to place antenna onto monitor, hard disk, notebook, etc.

Magnetic Attach

C.
Desktop:

D.
Attach to AP/Router:

Desktop

Attach to AP/Router

4 Specifications

1. Electrical Properties:

Frequency Range	**2.42GHz~2.4835GHz**
Impedance	**50Ω Normal**
VSWR	**1.92 Max**
Return Loss	**-10 dB Maximum**
Antenna Structure	**Collinear antenna**
Peak Gain (w/o cable loss)	**5dBi**
Admitted Power	**1 W**
Cable loss(1.5m)	**2.1dB@2.45GHz**
E-Plane	**36 deg.**
H-Plane	**360 deg.**

2. Physical Properties:

Cable		**RG-178 50Ω**
Cable length		**1.5 M**
Cable color		**Gray**
Connector		**Reverse SMA plug**
Product material		**ABS,ABS+PC**
Operating Temp		**-20°C ~ +65°C**
Storage Temp		**-30°C ~ +75°C**
Color	**Antenna:**	**Metallic gray and silver**
	Base:	**Metallic gray**

D-Link wireless antenna series are optional passive accessories for the suitable wireless devices. Prior to your usage of the wireless antenna, please refer the wireless device user manual, make sure the antenna connector type, frequency band, indoor or outdoor device usage is compatible between the antenna and device. When installing an external antenna, the total output power (EIRP) is the sum of device output power and antenna gain minus any connector or cable loss signal loss. The total output power (EIRP) must be equal or less than 20dBm to be in compliance of ETSI R&TTE regulation. We highly recommend that you seek professional help if you are unsure of whether or not your wireless installation is within regulation. Please note that all wireless products may cause interference which could affect the functioning of radio navigation service or other safety services, or otherwise seriously degrades, obstructs or repeatedly interrupts a radiocommunications service operating in accordance with the applicable legislation. In case of interference with radio equipments, the user may be required to take adequate measures including repositioning the wireless devices or changing the wireless LAN configuration.

Technical Support

You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

U.S. and Canadian customers can contact D-Link technical support through our website, or by phone.

Tech Support for customers within the United States:

D-Link Technical Support over the Telephone:
(877) 453-5465
Monday to Friday 6:00AM to 6:00PM PST

D-Link Technical Support over the Internet:
http://support.dlink.com
email:support@dlink.com

Tech Support for customers within Canada:

D-Link Technical Support over the Telephone:
(800) 361-5265
Monday to Friday 7:30am to 12:00am EST

D-Link Technical Support over the Internet:
http://support.dlink.ca
email:support@dlink.ca

Tech Support for customers within the United Kingdom & Ireland:

D-Link UK & Ireland Technical Support over the Telephone:
+44 (0)845 612 0003 (United Kingdom)
+353 (0)12 421 061 (Ireland)
Monday to Friday 8:00 am to 10:00 pm

D-Link Technical Support over the Internet:
http://www.dlink.co.uk

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