

Step 1 Remove the default antenna.



below

the pictures howed to wrap around both connectors tightly, as Use water-proof tape Step 5

onto the external connector Connect the extension cable Step 2



on device

Step 3



when you do not purchase the low loss cables (ANT24-CB03N, ANT24-CB06N and ANT24-09N...) Install the surge protector as recommended position



use the tapes to wrap all the connectors side, if you cannot keep it indoors as pictures showed below indoors and near the device

Please always put the surge protector

CAUTION!!











adaptor for grounding the antenna. wrap the connectors as protection



Option: Ultra low-loss cable LMR400



CB09N ...) ,near the device side, when you have the low loss cables (ANT24-CB03N, ANT24-CB06N and ANT24-Install the surge protector as recommended position



Option: Surge protector Connectors: N-plug to N-jack

and the integrated in the cabling system between the antenna dischargeand transients at the antennas. equipments from high voltage surges lightning strikes. It can protect your sensitive WLAN downstream are then protected by the ground from system (ground) of the building. All devices outdoor serial is attached to the lightning protection contact. With Surge protector (ANT24-SP) adaptor on an coax-cable and must have direct ground caused by It will be



Extended range differentiation for FCC/ CE regulated regions Indoor installation for OUTDOOR Inter-building link **D-Link WLAN Antenna-kit**







CE ETSI EN 300 328 regulated regions (European countries)

based on (ETSI EN 300 328), EIRP (Emitted Isotropic Radiated Power) limited within 20dB. Indoor antenna application for Outdoor inter-building transmission Therefore, the extended range might be shorter than FCC-regulated antennas



Indoor application for outdoor inter-building linking:



Antenna-kits extended range based on ETSI EN 300 328: 750m

Indoor application for outdoor



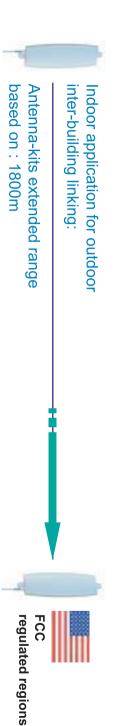
based on ETSI EN 300 328: 1000m



CE ETSI
EN 300 328
Regulated regions

FCC regulated regions (US, Canada...)

might be LONGER than CE-regulated antennas due to HIGHER output power allowance! (FCC Regulations: point-to-multipoint EIRP 36dB max. p-t-p EIRP allows 48dBm max.) Using the same antenna-kit in FCC-regulated regions, the extended range





for outdoor antenna-kit Installation guide **ANT24-SP Surge protector**







loosen the screw from the surge protector. Step 1









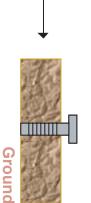
Step 2

these wires can lead high voltage surges into the grounding. get a normal conductive copper wire with 2 sides stripped long enough to be conductive,









Step 3

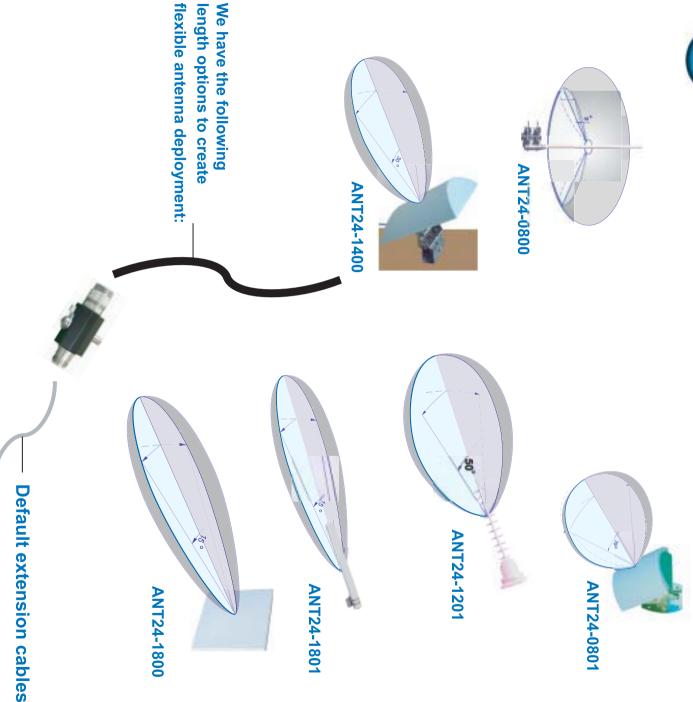
into position, there are several options: find a conductive material nearby the antenna installation sites, connect another end of the wire

- (1) Use a long screw to stick into the ground tightly, connect another wire onto.
- (2) fix or solder another end of wire onto a steel material/ bar under steel construction, such as wall for buildings, railings or other conductive materials which set up from the ground.

- (1) for the ground screw you use, we suggest the longer (deeper into ground) the better performance it has. (2) please use a copper wire with diameter at least from 2.0mm, the thicker the diameter, the higher
- voltage it can sustain.



ANT24-Outdoor high gain series Optional ultra low attenuation cable for



NOTE:

P/N: ANT24-CB09N: 9meter @ 2.34dB P/N: ANT24-CB06N: 6meter @ 1.56dB

attenuation attenuation

P/N: ANT24-CB03N: 3meter @ 0.78dB attenuation

attenuation it causes, therefoe, The longer cable you use, the more

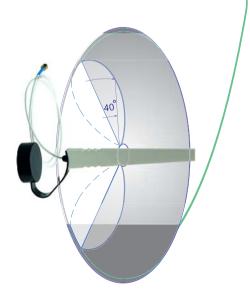
default extension cables. the extended range might be shorten than a normal link with

Indoor Omni-Directional Antenna D-Link ANT24-0400



start to assemble! from the wireless device and Remove one default antenna

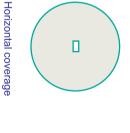
Using ANT24-JC jumper cable to switch to smaller connector which can be compliant with DWL-660 WLAN card.

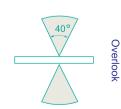












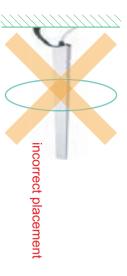
Vertical coverage

ANT24-JC jumper cable











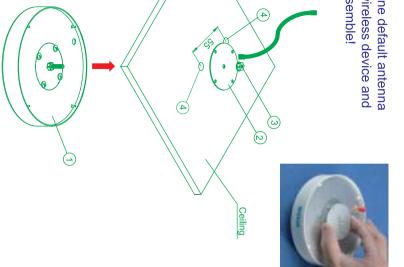
perpendicular to the wall. desk/ceiling, not recommend to mount the antenna Please always place the antenna vertically to the

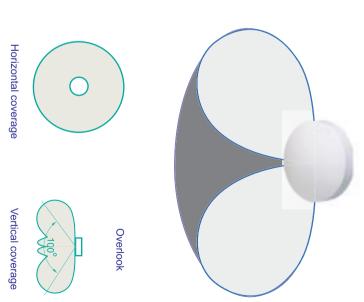
Frequency band	2400-2500MHz
Antenna gain	4dBi
VSWR	2.0 max
Polarization	Linear vertical
HPBW / H-plane	360°
HPBW / E-plane	40°
Impedence	50 Ohms
Dimensions LxWxH	145X55X48 mm
Weight	180g without joint

- ANT24-0400 Antenna
- With 1.5m cable
- Mounting Kit
- Quick Installation Guide

D-Link ANT24-0401 Ceiling Mount Antenna







Dimensions Impedence HPBW / E-plane HPBW / H-plane Polarization Antenna gain Frequency band 50 ~ 75 ° 2.0 max 110g without joint 2.5 ~ 3.7 dBi 2400-2500MHz 360° Ø132x42 mm Linear vertical 50 Ohms

Installation Note:

- 1. Carefully remove the antenna from the package
- 2. Take out the Washer (1 pcs) from the package
- 3. Take out the Flange washer (1 pcs) as well.
- 4. Drill 2 holes through the ceiling board, one to fix cable which is included within the package the antenna main body with wacher, another for the antenna SMA connector linked onto extension

To have correct connection of the attached

- Mounting Kit

- Extension Cable (2M) - ANT24-0401 Antenna Package Contents:

- Quick Installation Guide

















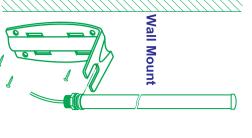


Golden to Device





Remove one default antenna from the wireless device and start to assemble!

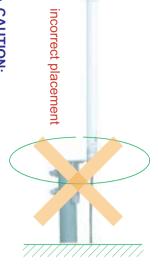


Pole Mount



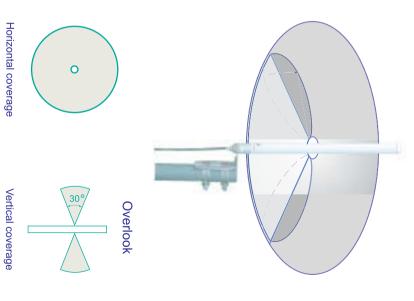
Installation Note:

- 1. use L- type mounting to fix with antenna
- 2. use 4 plastic anchor with (4) screws to install the antenna onto the wall.
- 3. use band clamp (2pcs) to fix the antenna on the pole.



A CAUTION:

to mount the antenna perpendicular to walls to the horizontal surface, not recommend Please always place the antenna vertically

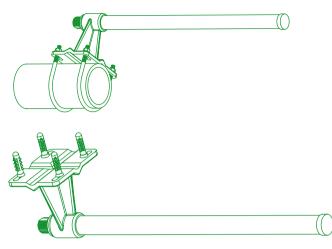


Weight	Dimensions LxWxH	Impedence	HPBW / E-plane	HPBW / H-plane	Polarization	VSWR	Antenna gain	Frequency band
180g without joint	Ø19x330 mm	50 Ohms	32°	360°	Linear vertical	2.0 max	5.0 dBi	2400-2500MHz

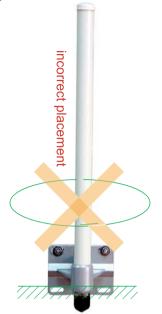
- ANT24-0500 Antenna
- Extension Cable (3m)
- Mounting Kit
- Quick Installation Guide

Indoor/Outdoor Omni-Directional Antenna **D-Link ANT24-0800**

Remove one default antenna from the wireless device and start to assemble!

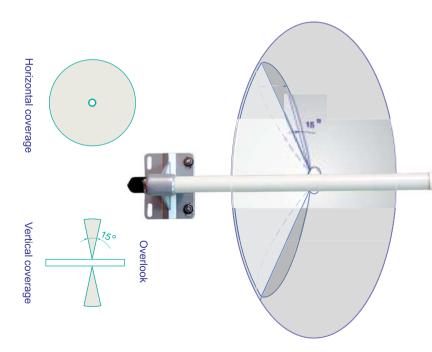






A CAUTION:

Please always place the antenna vertically to the horizontal surface, not recommend to mount the antenna perpendicular to the wall.

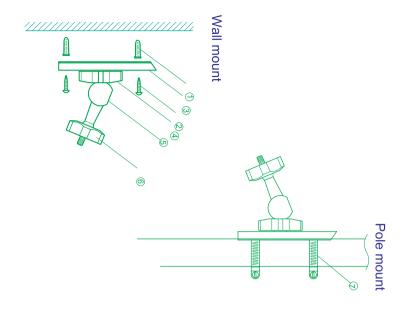


Frequency band	2400-2500MHz
Antenna gain	8.0 dBi
VSWR	2.0 max
Polarization	Linear vertical
HPBW / H-plane	360°
HPBW / E-plane	15°
Impedence	50 Ohms
Dimensions LxWxH	Ø19x520 mm
Weight	337g without joint

- ANT24-0800 Antenna
- Extension Cable (50cm)
- Mounting Kit
- Surge Protector
- Quick Installation Guide Water-proof tape



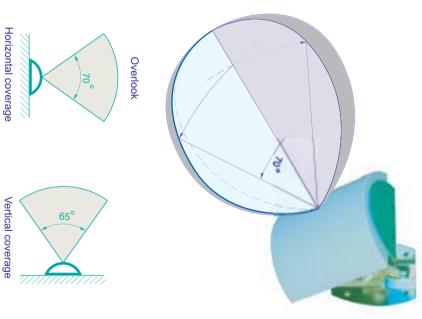
Remove one default antenna from the wireless device and start to assemble!



Installation Note:

The following parts are needed for wall mounting:

- 1. plastic wall anchors (4) screws
- 2. wall screws
- 3. mounting base
- 4. locking wheel on the mounting base
- 5. adjustible pivot arm
- 6. locking wheel for pivot arm

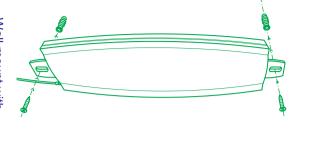


Weight 300a	Dimensions LxWxH 120x	Impedence 50 (HPBW / E-plane 65°	HPBW / H-plane 70°	Polarization Line	VSWR 1.5 max	Antenna gain 8.5 dBi	Frequency band 2400	
300g without joint	120x120x43mm	50 Ohms			Linear vertical	nax	dBi	2400-2500MHz	

- ANT24-0801 Antenna
- Extension Cable (3m)
- Mounting Kit
- Surge Protector
- Water-proof tape
- Quick Installation Guide



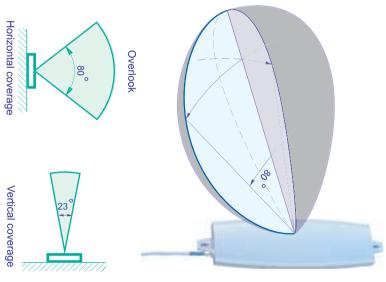
Remove one default antenna from the wireless device and start to assemble!



plastic wall plug Wall mount with



Window suction mount with widow suction cup



190g without joint	Weight
330x93x20 mm	Dimensions LxWxH
50 Ohms	Impedence
23°	HPBW / E-plane
80°	HPBW / H-plane
Linear vertical	Polarization
1.5 max	VSWR
11.5 dBi	Antenna gain
2400-2500MHz	Frequency band

extension cable (Based on connector color management) To have correct connection of the attached









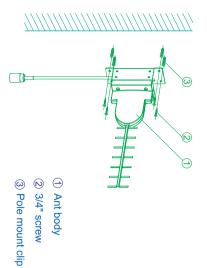


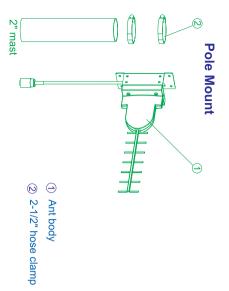


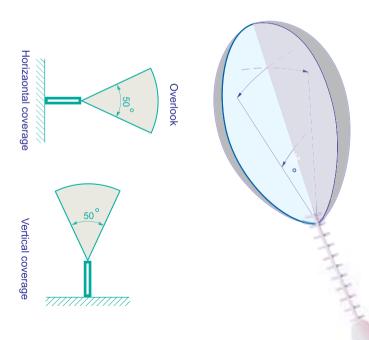
- ANT24-1200 Antenna
- Extension Cable (3m)
- Mounting Kit
- Quick Installation Guide

Remove one default antenna from the wireless device and start to assemble!

Wall Mount







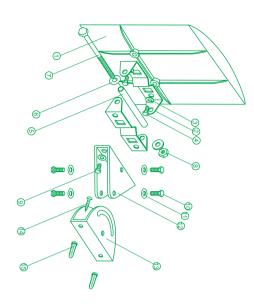
Frequency band	2400-2500 MHz
Antenna gain	12 dBi
VSWR	1.5 max
Polarization	Linear vertical
HPBW / H-plane	50°
HPBW / E-plane	50°
Impedence	50 Ohms
Dimensions LxWxH	280x87x48 mm
Weight	300g without joint

- ANT24-1201 antenna
- Extension cable (50cm)
- Mounting kit
- Surge protector
- Water-proof tape
- Quick installation guide



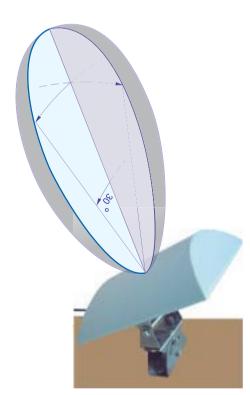
start to assemble! from the wireless device and Remove one default antenna

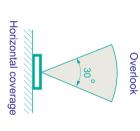
Wall mount

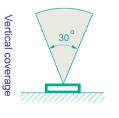


Installation Note:

- Required parts for wall mounting:
 1. ANT-1400 antenna body with 2 screw holes
 2. M-shaped metal fixing
 3. spring washers 8mm
- 4. bolts M8 x 12
- 5. steel tubes6. 8mm washer7. bolt M8 x 110
- 8. nut M8 with lock washer
- bolts M8 x16 with lock washer, washers and nuts
 bolts M6 x10 with washers
- 11. 6mm washers
- 12. triangular stand
- 13. half-round metal stand
- 14. wall screws
- plastic wall anchor







Frequency band	2400-2500 MHz
Antenna gain	14 dBi
VSWR	1.5 max
Polarization	Linear vertical
HPBW / H-plane	30°
HPBW / E-plane	30°
Impedence	50 Ohms
Dimensions LxWxH	240x240x69 mm
Weight	825g without joint

- ANT24-1400 Antenna
- Extension Cable (50cm)
- Mounting Kit
- Surge protector
- Water-proof tape
- Quick Installation Guide