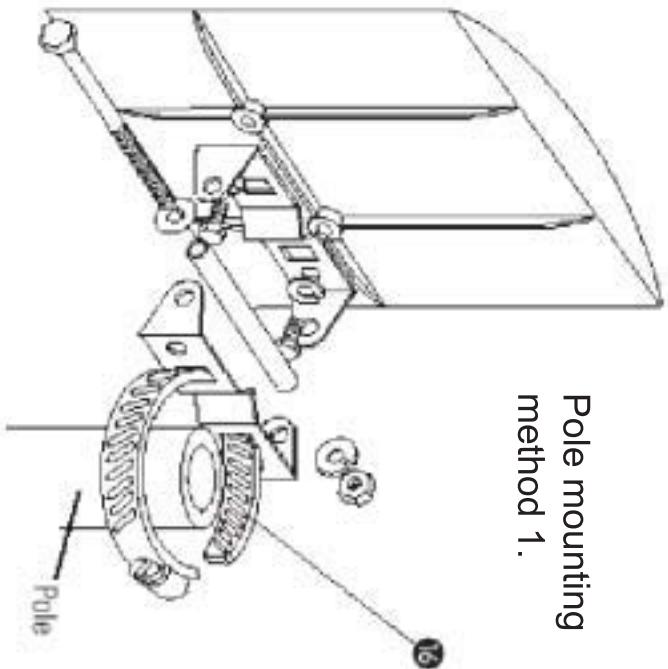
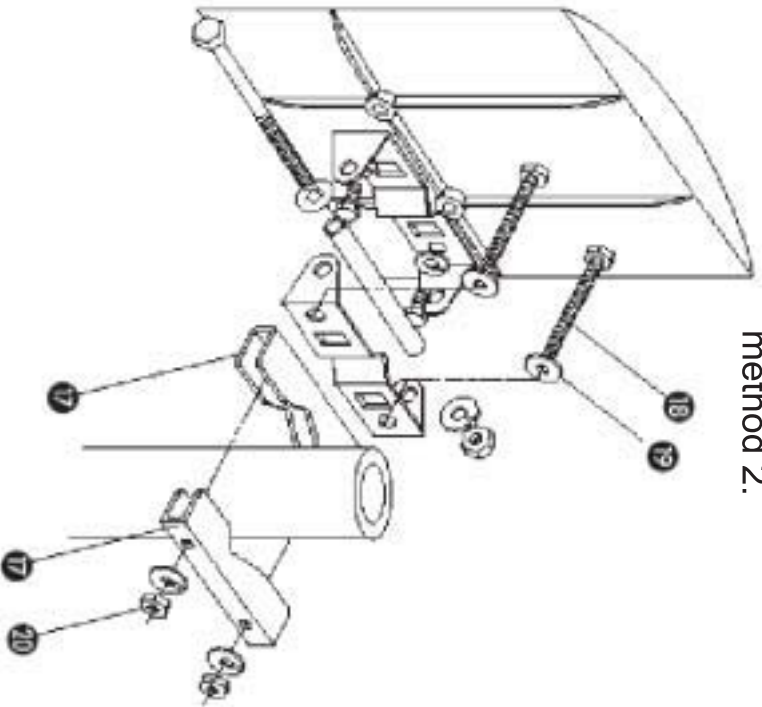
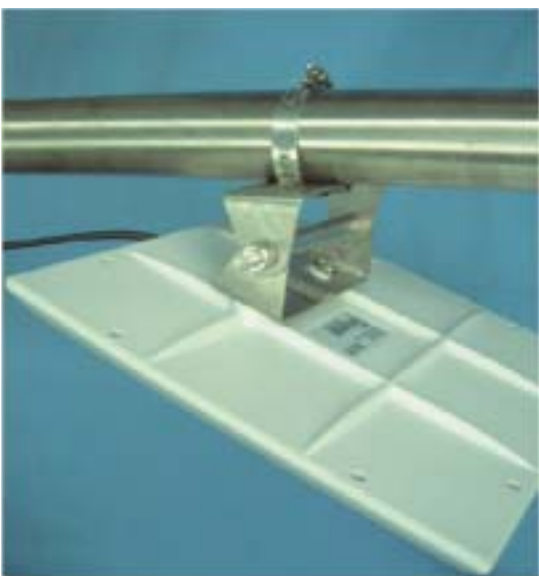


9

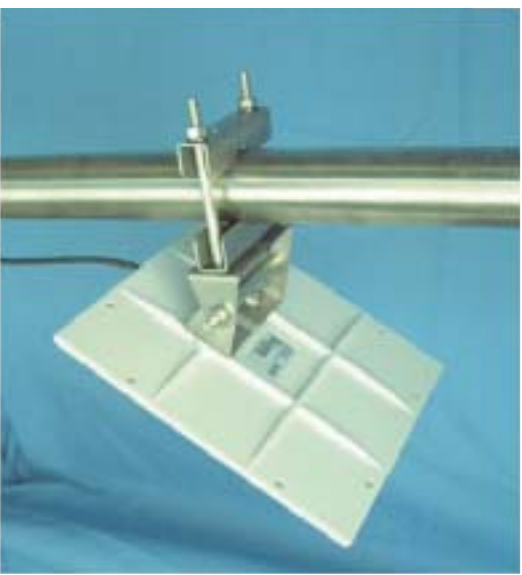
D-Link ANT24-1400 Outdoor Directional Panel Antenna



Pole mounting
method 1.

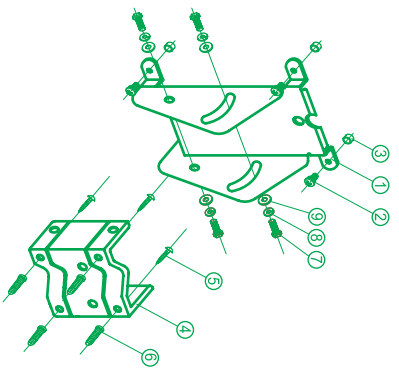


Pole mounting
method 2.

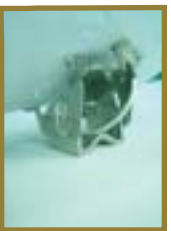


D-Link ANT24-1800 Outdoor Directional Panel Antenna

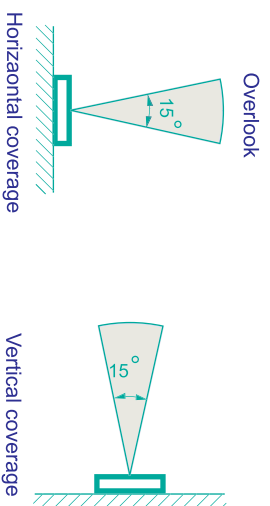
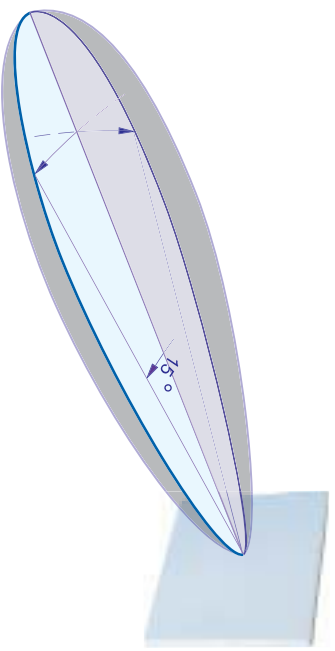
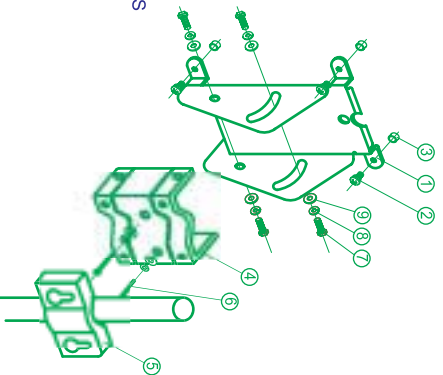
Remove one default antenna from the wireless device and start to assemble!



- Wall mounting**
- ① Mounting base - 1 PC
 - ② M4*8 screw+W+SW - 4 PCS
 - ③ Space keeper - 4 pcs
 - ④ M-shape mounting - 1 pc
 - ⑤ 3/4" screw - 4 pcs
 - ⑥ Plastic walplug - 4 pcs
 - ⑦ M6*16 screw - 4 pcs
 - ⑧ M6 SW - 4 pcs
 - ⑨ M6 W - 4 pcs



- Pole mounting**
- ① Mounting base - 1 PC
 - ② M4*8 screw+W+SW - 4 PCS
 - ③ Space keeper - 4 pcs
 - ④ M-shape mounting - 1 pc
 - ⑤ Pole mount clip - 1 pc
 - ⑥ M6*60 screw - 2 pcs
 - ⑦ M6*16 screw - 4 pcs
 - ⑧ M6 SW - 4 pcs
 - ⑨ M6 W - 4 pcs



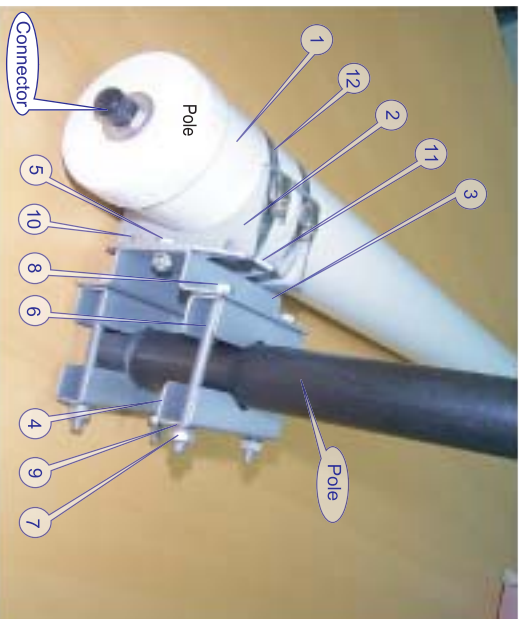
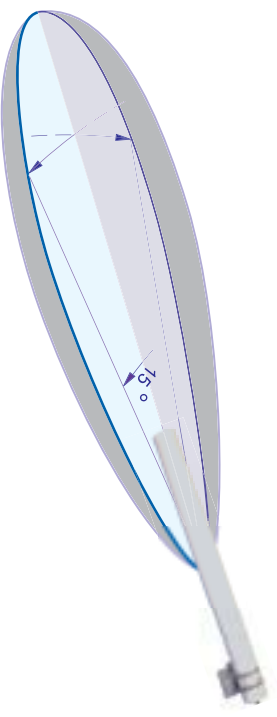
Frequency band	2400-2500 MHz
Antenna gain	18 dBi
VSWR	1.5 max
Polarization	Linear vertical
HPBW / H-plane	15°
HPBW / E-plane	15°
Impedence	50 Ohms
Dimensions LxWxH	360x360x16 mm
Weight	1600g without joint

Package Contents:

- ANT24-1800 Antenna
- Extension Cable (50cm)
- Mounting Kit
- Surge protector
- Water-proof tape
- Quick Installation Guide

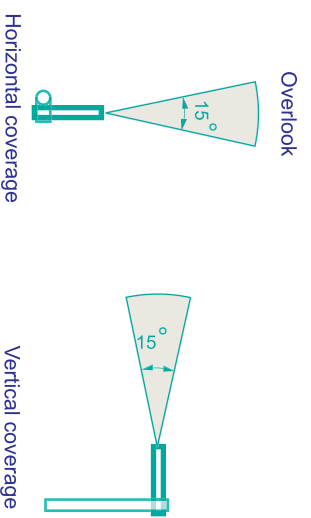
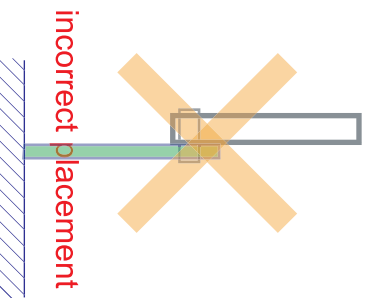
D-Link ANT24-1801 Outdoor Directional Yagi Antenna

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



Installation Note:

1. Main body
2. Angle mounting
3. Mounting bracket
4. 2" pole clamp
5. M8x 20 bolt
6. M8x 110 bolt
7. M8 nut
8. M8 washer
9. M8 spring washer
10. M6-95 screw
11. M6 nut
12. Band clamp



Frequency band	2400-2500 MHz
Antenna gain	18 dBi
VSWR	1.5 max
Polarization	Linear vertical
HPBW / H-plane	15°
HPBW / E-plane	15°
Impedance	50 Ohms
Dimensions LxWxH	ø89x1000 mm
Weight	3500g without joint

Package Contents:

- ANT24-1801 Antenna
- Extension Cable (50cm)
- Mounting Kit
- Surge protector
- Water-proof tape
- Quick Installation Guide

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D-Link DWL-50AT Indoor Omni Antenna



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



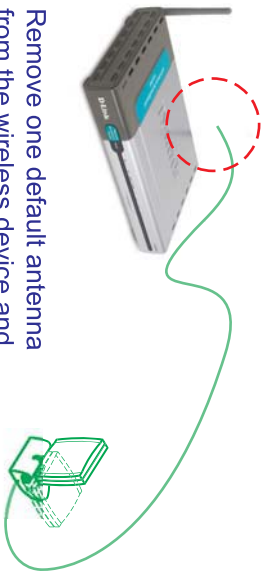
D-Link's Omni Directional Antenna offers the most cost effective solution for extending the wireless LAN coverage area. The antenna is fully compatible with all products and can be used with any 2.40 to 2.4835 GHz products.

Installation:

1. Remove the original antenna from your wireless device.
2. Screw the DWL-50AT RP- SMA connector into your wireless device.
3. Adjust the antenna to the suitable direction for extending the wireless coverage area.

Frequency band	2400-2500MHz
Antenna gain	5.0dBi Typical
VSWR	2.0:1 Max.
Polarization	Linear
HPBW / H-plane	Toroidal
HPBW / E-plane	60 degree
Impedence	50 Ohms nominal
Dimensions HxWxD	197 mm(length)
Weight	29.5gW

D-Link DWL-M60AT Indoor Directional Antenna

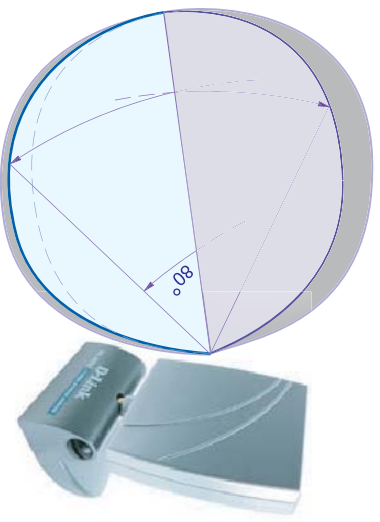


Remove one default antenna from the wireless device and start to assemble!

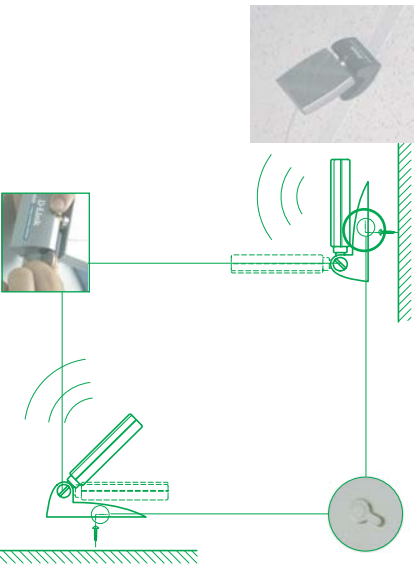
Antenna connector
(RPSMA-plug)



Device connector
(RPSMA-jack)



Ceiling mount



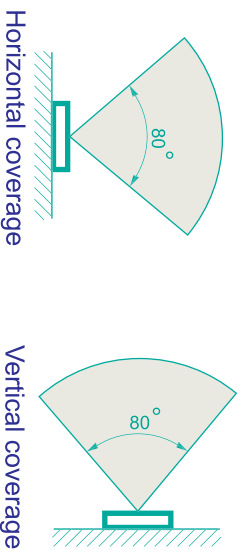
Wall Mount



⚠ CAUTION:

1. Always place the antenna on a flat or secure surface.
2. Concealing the antenna behind books, cabinets or other office equipment may affect the performance of the wireless networks.
3. The antenna transmission range may vary according to different environments or applications.

Overlook



Frequency band	2400-2500MHz
Antenna gain	6dBi
VSWR	1.5 max
Polarization	Linear vertical
HPBW / H-plane	80°
HPBW / E-plane	80°
Impedence	50 Ohms
Dimensions HxWxD	115x76x33mm
Weight	110g without joint

Package Contents:

- DWL-M60AT Antenna
- Fixed cable (1.5m)
- Mounting Kit
- Quick Installation Guide

D-Link DWL-R60AT Indoor Directional Antenna



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



D-Link's Single Patch Flat Antenna offers the most cost effective solution for extending the wireless LAN coverage area. The antenna is fully compatible with all products and can be used with any 2.40 to 2.4835 GHz products.

Installation:

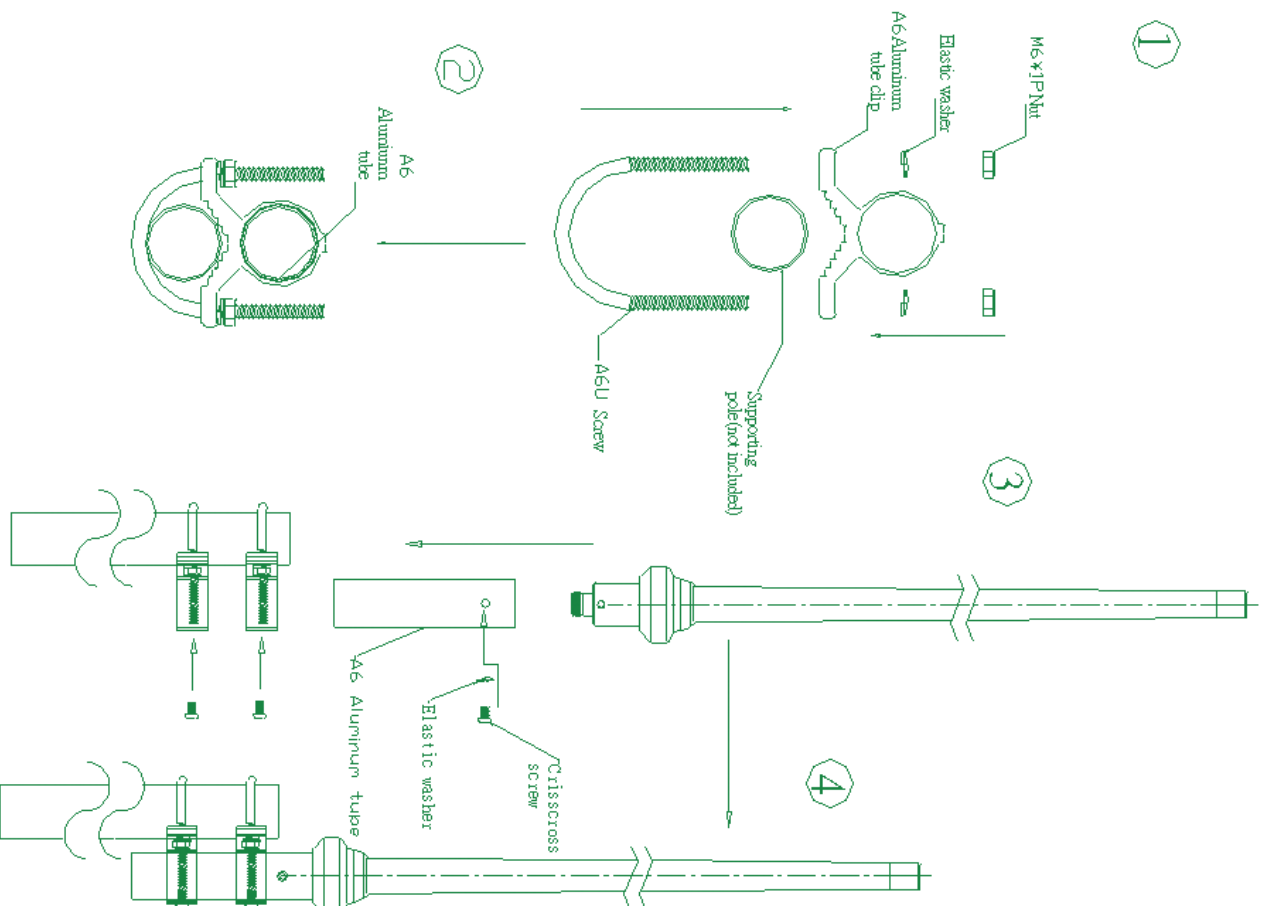
1. Remove the original antenna from your wireless device.
2. Screw the DWL-R60AT RP- SMA connector into your wireless device.
3. Adjust the antenna to the suitable direction for extending the wireless coverage area.

Frequency band	2400-2500MHz
Antenna gain	6.0dBi Typical
VSWR	2.0:1 Max.
Polarization	Linear
HPBW / H-plane	90°
HPBW / E-plane	75°
Impedence	50 Ohms nominal
Dimensions HxWxD	80x85x12.8 mm
Weight	75gW

Package Contents:

- DWL-R60AT Antenna
- Quick Installation Guide

D-Link DWL-1500 Outdoor Omni Antenna

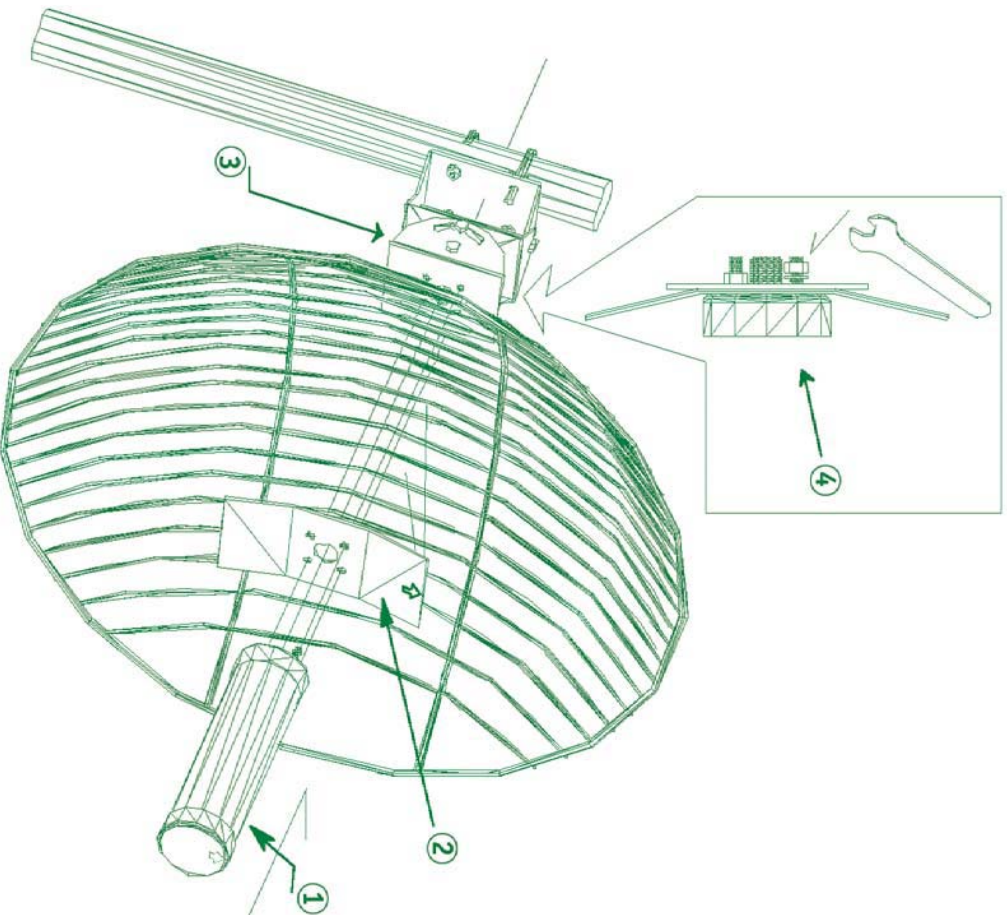


Frequency band	2400-2500MHz
Antenna gain	15dBi
VSWR	1.5 max
Polarization	Vertical
HPBW / H-plane	360°
HPBW / E-plane	60°
Impedance	50 ± Ohms
Dimensions	165cm (length)
Weight	750g ± 20g

Package Contents:

- DWL-1500 Antenna
- DHF extension cable(3m, N male-RPSMA)
- Mounting kit
- Waterproof tape
- Quick Installation Guide

D-Link DWL-2100 Outdoor Grid Antenna








Frequency band	2400-2500MHZ
Antenna gain	21dBi
VSWR	1.5 max
Polarization	Vertical
HPBW / H-plane	70°
HPBW / E-plane	24°
Impedence	50 ± Ohms
Dimensions	15cm x 61cm Diam.
Weight	2700g ± 10g

Package Contents:

- DWL-2100 Antenna
- DHF extension cable(3m, N male/RP-SMA)
- Mounting kit
- Waterproof tape
- Quick Installation Guide

Indoor/ Outdoor Antenna Table:

					
Model Name	DWL-R60AT	DWL-M60AT	ANT24-0400	ANT24-0401	ANT24-0500
Signal directivity	Directional Antenna	Directional Antenna	mni-directional	mni-directional	mni-directional
Application range	Indoor only	Indoor only	Indoor only	Indoor ceiling only	Indoor outdoor
Gain (Without cable loss)	d i	d i	d i	. d i	d i
Approximate Range at 1 Mbps *	m	k			km
Approximate Range at 11 Mbps *					
Half power beam width **					
Pigtail cable length	NA	cm	cm	NA	cm
Antenna fixed connector	RP- A plug	RP- A plug	RP- A plug	A ack	N- ack
Surge protector for outdoors	---	---	---	---	ptional
Default extension cable length	NA	NA	NA		
Default mounting configuration	NA	Wall desktop	Wall desktop	eiling	Pole
Antenna-kit weight (Kg)	g	g	g	g	g
Optional accessories	AN - or DWL- links	AN - or DWL- links	AN - or DWL- links	AN - or DWL- links	AN - AN - P AN - series






.Extended range reference based on R - utput Power dbm with default cable loss

. he transmission distance range might depend on the two same spec antennas with default cable loss

P W alf Power eam Width. hori onal plane pattern, vertical plane pattern

The actual Indoor range will be effected by users' physical environment. The above figures are reference.

Indoor/ Outdoor Antenna Table:

					
Model Name	ANT24-0800	ANT24-0801	ANT24-1200	ANT24-1201	ANT24-1400
Signal directivity	omni-directional	Directional	Directional	Directional	Directional
Application range	outdoor	outdoor	Indoor only	outdoor	outdoor
Gain (Without cable loss)	10 dBi	10 dBi	10 dBi	10 dBi	10 dBi
Approximate Range at 1 Mbps *	100 m	100 m	100 m	100 m	100 m
Approximate Range at 11 Mbps *			100 m	100 m	100 m
Half power Beam width **					
Pigtail cable length	NA	100 cm	NA	100 cm	100 cm
Antenna fixed connector	N-type	N-type	SMA	N-type	N-type
Surge protector for outdoors	Included	Included	---	Included	Included
Default Extension Cable Length	100 cm			100 cm	100 cm
Default mounting configuration	Pole	Wall pole	Window wall	Wall pole	Wall pole
Antenna-kit weight (kg)	0.5 kg	0.5 kg	0.5 kg	0.5 kg	0.5 kg
Optional accessories	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series





*.Extended range reference based on R - output Power 100 dbm with default cable loss

. The transmission distance range might depend on the two same spec antennas with default cable loss

P W Half Power Beam Width. Horizontal plane pattern, Vertical plane pattern

The actual Indoor range will be effected by users' physical environment. The above figures are reference.

Indoor/ Outdoor Antenna Table:

				
Model Name	ANT24-1800	ANT24-1801	ANT24-1500	ANT24-2100
Signal directivity	Directional	Directional	omni-directional	Directional
Application range	indoor	indoor	indoor	indoor
Gain (Without cable loss)	15 dBi	15 dBi	15 dBi	15 dBi
Approximate Range at 1 Mbps *	100 m	100 m	100 m	100 m
Approximate Range at 11 Mbps *	100 m	100 m	100 m	100 m
Half power Beam width **				
Pigtail cable length	NA	NA	NA	NA
Antenna fixed connector	N-type	N-type	N-type	N-type
Surge protector for outdoors	Included	Included	Included	Included
Default Extension Cable Length	100 cm	100 cm		
Default mounting configuration	Wall / pole	Pole	Pole	Pole
Antenna-kit weight (Kg)	0.5 kg	0.5 kg	0.5 kg	0.5 kg
Optional accessories	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series	Ultra low loss cable or AN - series

*.Extended range reference based on Radiated Power = 30 dBm with default cable loss

*.The transmission distance range might depend on the two same spec antennas with default cable loss

** Half Power Beam Width. Horizontal plane pattern, Vertical plane pattern

The actual indoor range will be effected by users' physical environment. The above figures are reference.

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. We highly recommend that these products should be installed by an experienced installer who is familiar with local building and safety codes and where ever applicable, is licensed by the appropriate authorities. 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.