



# **Quick Installation Guide**

5GHz 23dBi Outdoor Panel Antenna

TL-ANT5823B

# I. Introduction



**TL-ANT5823B**, the TP-Link 5GHz 23dBi Outdoor Panel Antenna, is applicable for outdoor point-to-point or point-to-multi-point directional signal transmission.

It is usually mounted on such high-level outdoor locations as towers, roofs, etc.

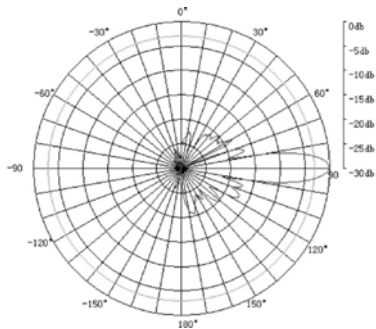
The easy way to mount **TL-ANT5823B** is to bind it to a mast, as illustrated above.

\* **TL-ANT5823B** is only compatible with 5GHz Access Points. Please do not connect it with 2.4GHz AP.

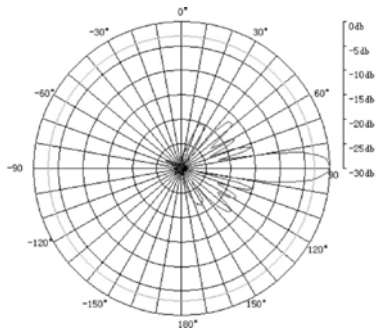
## II. Specifications

<b>Electrical Specifications</b>	
Model	TL-ANT5823B
Frequency Rang-MHz	5150-5850
Gain-dBi	23
VSWR	≤1.5
Horizontal Beamwidth-°	12
Vertical Beamwidth-°	12
Polarization	Vertical or Horizontal
F/B Ratio-dB	>28
Impedance-Ω	50
Maximum Input Power-W	100
Connector	N Female
<b>Mechanical Specifications</b>	
Antenna Dimension-mm	320×320×20
Weight-Kg	1,8
Mounting Mast Diameter-mm	Ø30~Ø50
Radome Material	ABS
Rated Wind Velocity-Km/h	241

### III. Radiation Patterns



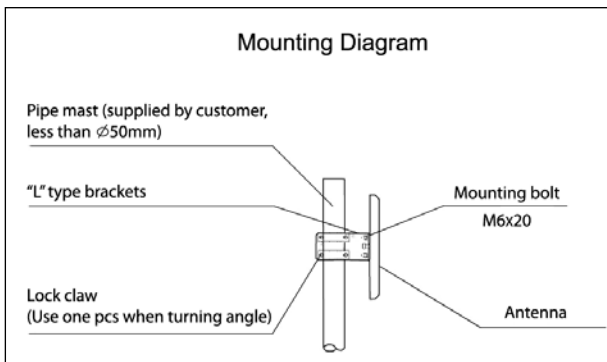
Vertical Pattern



Horizontal Pattern

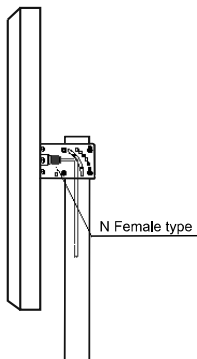
## IV. Installation

Please find the necessary accessories in the attachment, and take the following steps to install your antenna **TL-ANT5823B**.



1. Mount the antenna on the "L" type brackets according to the mounting diagram.  
Make sure the antenna polarization is parallel to the direction you need. When the antenna polarization is vertical to the ground, the antenna is vertically polarized. When the antenna polarization is horizontal to the ground, the antenna is horizontally polarized.

2. Mount the antenna on the pipe mast according to the mounting diagram.
3. Test the antenna with equipment to make sure the antenna receive the best signal by turning the azimuth and pitching angle, then lock all the screws and seal the connector between antenna and cable.



4. Connect **TL-ANT5823B** to 5GHz AP (Access Point) interface with cables. It's recommended to use radio frequency cables with high quality and low loss. Besides, the shorter the cable is, the better it will be to avoid unnecessary loss.

## **Warning:**

- Mount the antenna at a safe location, far away from power lines, lamps, and other cables.
- Do not mount the antenna in the rain or thunder storm.
- Do not mount the antenna alone.

# Technical Support

- For more troubleshooting help, go to: <http://www.tp-link.com/en/support/faq>
- To download the latest Firmware, Driver, Utility and User Guide, go to:  
<http://www.tp-link.com/en/support/download>
- For all other technical support, please contact us by using the following details:

## Global

Tel: +86 755 26504400  
E-mail: [support@tp-link.com](mailto:support@tp-link.com)  
Service time: 24hrs, 7 days a week

## Singapore

Tel: +65 62840493  
E-mail: [support.sg@tp-link.com](mailto:support.sg@tp-link.com)  
Service time: 24hrs, 7 days a week

## UK

Tel: +44 (0) 845 147 0017  
E-mail: [support.uk@tp-link.com](mailto:support.uk@tp-link.com)  
Service time: 24hrs, 7 days a week

## USA/Canada

Toll Free: +1 866 225 8139  
E-mail: [support.usa@tp-link.com](mailto:support.usa@tp-link.com)  
Service time: 24hrs, 7 days a week

## Malaysia

Tel: 1300 88 875465 (1300 88TPLINK)  
Email: [support.my@tp-link.com](mailto:support.my@tp-link.com)  
Service time: 24hrs, 7 days a week

## Turkey

Tel: 444 19 25 (Turkish Service)  
E-mail: [support.tr@tp-link.com](mailto:support.tr@tp-link.com)  
Service time: 9:00 AM to 6:00 PM  
7 days a week

## Poland

Tel: +48 (0) 801 080 618 / +48 22 7217563 (if calls from mobile phone)  
E-mail: [support.pl@tp-link.com](mailto:support.pl@tp-link.com)  
Service time: Monday to Friday 9:00 AM to 5:00 PM. GMT+1 or GMT+2 (Daylight Saving Time)

## Germany / Austria

Tel: +49 1805 875465 (German Service)  
+49 1805 TPLINK  
E-mail: [support.de@tp-link.com](mailto:support.de@tp-link.com)  
Fee: 0.14 EUR/min from the German fixed phone network and up to 0.42 EUR/min from mobile phone  
Service time: Monday to Friday 9:00 AM to 6:00 PM. GMT+ 1 or GMT+ 2 (Daylight Saving Time in Germany)  
\*Except bank holidays in Hesse

## Australia & New Zealand

Tel: AU 1300 87 5465  
NZ 0800 87 5465  
E-mail: [support@tp-link.com.au](mailto:support@tp-link.com.au)  
Service time: 24hrs, 7 days a week

## Italy

Tel: +39 02 66987799  
E-mail: [support.it@tp-link.com](mailto:support.it@tp-link.com)  
Service time: Monday to Friday  
9:00 AM to 6:00 PM

## Ukraine

Tel: 0-800-505-508  
E-mail: [support.ua@tp-link.com](mailto:support.ua@tp-link.com)  
Service time: Monday to Friday  
14:00 PM to 22:00 PM

## Brazil

Toll Free: 0800-770-4337 (Portuguese Service)  
E-mail: [supporte.br@tp-link.com](mailto:supporte.br@tp-link.com)  
Service time: Monday to Saturday  
08:00 AM to 08:00 PM

## Indonesia

Tel: (+62) 021 6259 135  
E-mail : [support.id@tp-link.com](mailto:support.id@tp-link.com)  
Service time : Monday to Friday  
9:00 -12:00; 13:00 -18:00  
\*Except public holidays

## Switzerland

Tel: +41 (0) 848 800998 (German Service)  
E-mail: [support.ch@tp-link.com](mailto:support.ch@tp-link.com)  
Fee: 4-8 Rp/min, depending on rate of different time  
Service time: Monday to Friday 9:00 AM to 6:00 PM. GMT+ 1 or GMT+ 2 (Daylight Saving Time)

## Russian Federation

Tel: 8 (499) 754-55-60  
8 (800) 250-55-60  
(toll-free call from any RF region)  
E-mail: [support.ru@tp-link.com](mailto:support.ru@tp-link.com)  
Service time: From 10:00 to 18:00 (Moscow time)  
\*Except weekends and holidays in Russian Federation