

manuals.plus / › TECHTOO / › TECHTOO 2.4GHz 18dBi Yagi Directional WiFi Antenna User Manual (Model: STKA-YA24-18SM)

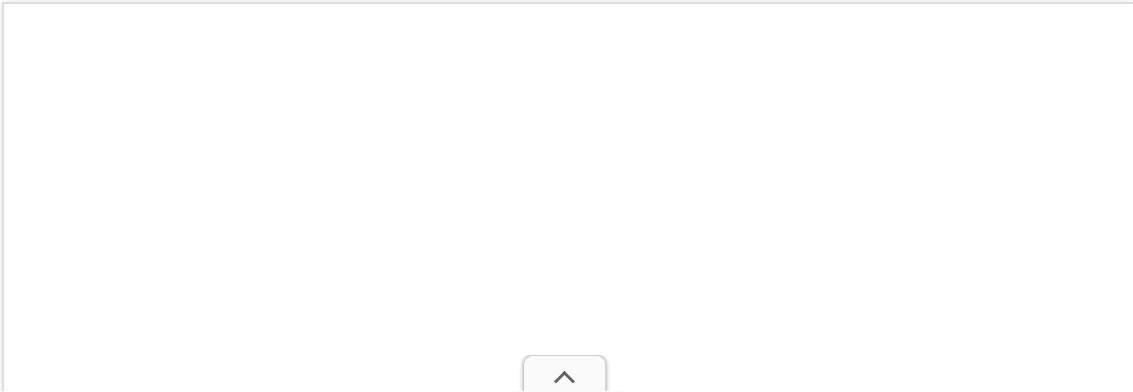
Advertisements

Advertisements

TECHTOO STKA-YA24-18SM

TECHTOO 2.4GHz 18dBi Yagi Directional WiFi Antenna User Manual

Model: STKA-YA24-18SM | Brand: TECHTOO



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TECHTOO 2.4GHz 18dBi High Gain Yagi Directional WiFi Antenna. This antenna is designed to enhance the range and signal strength of your 2.4GHz wireless devices. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

The TECHTOO High-Performance Yagi Antenna Series is constructed from durable aluminum for an extended service life. Individual elements are securely attached to the main beam. These antennas offer high gain and good front-to-back performance, which helps minimize external interference. It supports both vertical and horizontal polarization. The design includes an anodized aluminum boom, solid elements, heavy-duty mounting hardware, and a waterproof design for all-weather operation. Each Yagi antenna undergoes individual testing before leaving the manufacturing facility.

Advertisements

Advertisements



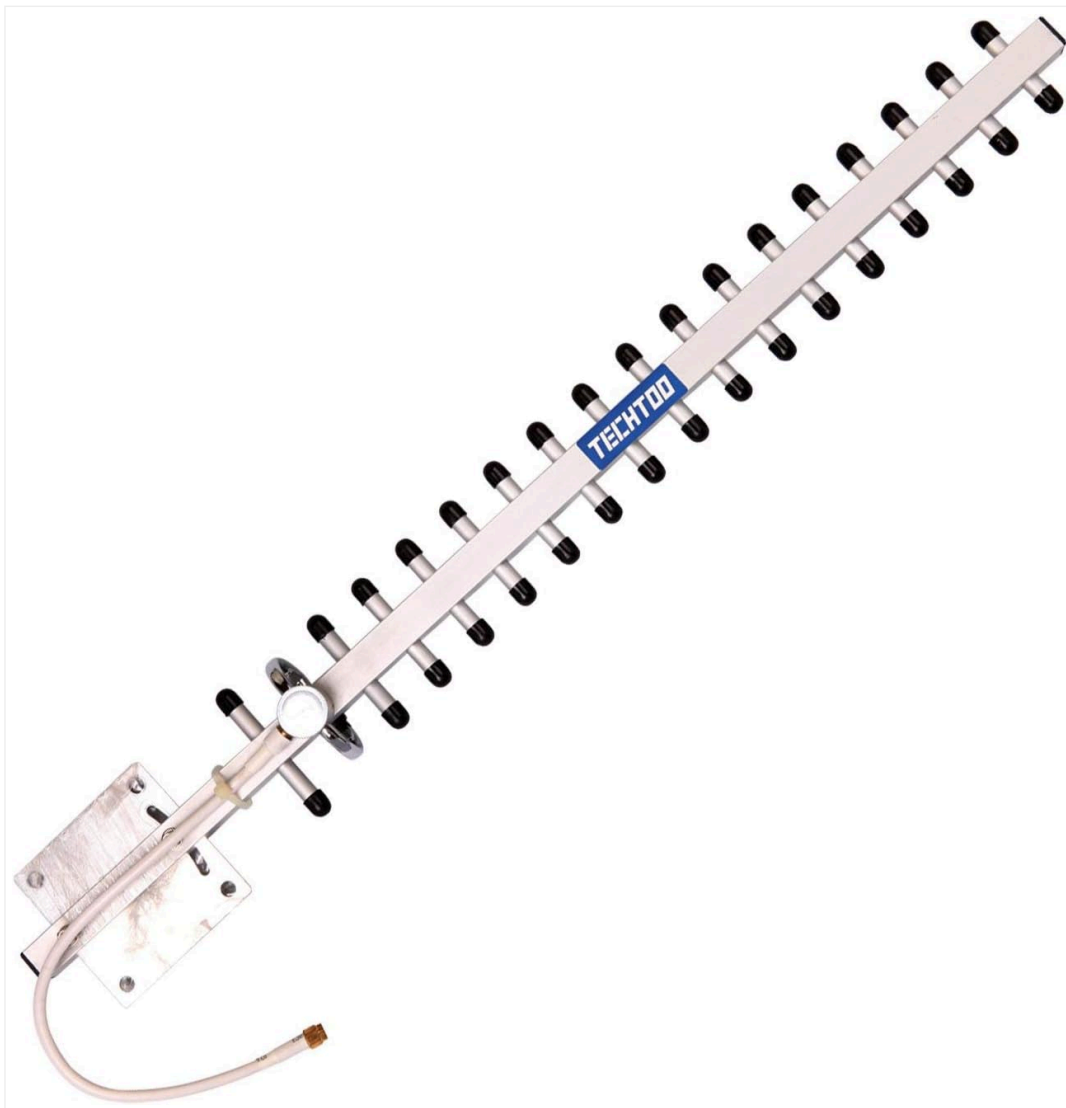


Figure 1: TECHTOO 2.4GHz 18dBi Yagi Directional WiFi Antenna.

Key Features:

- **High Gain:** 18dBi for increased range and signal strength of 2.4GHz wireless devices.

7. SPECIFICATIONS

Feature	Specification
Frequency Range	2400-2483 MHz
Gain	18 dBi
Bandwidth	83 MHz
Half-power Beam Width (H/V)	H30° / V28°
Front-to-Back Ratio	16 dB
VSWR	≤1.5
Input Impedance	50 Ohms
Polarization	Horizontal or Vertical
Maximum Input Power	100 W
Lightning Protection	DC Ground
Input Connector Type	RP-SMA
Dimensions (L x W x H)	580 x 70 x 44 mm (22.83 x 2.76 x 1.73 inches)
Cable Length	0.3 meters (approx. 11.8 inches)
Operating Temperature	-40°C to 60°C
Rated Wind Velocity	60 m/s
Mounting Hardware	U-Shape Clamp (for 35-50 mm diameter poles)
Item Weight	12.3 ounces
Maximum Range	1600 Feet (under ideal conditions)

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the product packaging or contact TECHTOO customer support directly. If you require a different connector type than the standard RP-SMA, please contact TECHTOO for assistance or to inquire about compatible adapters.

© 2024 TECHTOO. All rights reserved.

Related Documents - STKA-YA24-18SM

