

AT-100 Wideband Circularly Polarized Antenna

Introduction

Active directional antenna designed for demanding professional stages and will greatly improve signal stability and reduce interferences, signal drop-outs caused by polarization problems.

Key Features

Patented in multiple countries. Distinguished Appearance

Optimized solution for both transmitting and receiving RF signals throughout the UHF bandwidth. AT-100 has a distinguished appearance is patented in multiple countries.

Main Features

Front area is the main focus of antenna direction for either vertical or horizontal polarization. Circularly polarized antenna can effectively reduce the polarization loss of the antenna to improve signals strength. Optimum solution for 470-1,000 MHz bandwidth with 6~8 dBi antenna gain and certified to latest CE/FCC newly telecom regulations.

Results

AT-100 is an ideal antenna system for utmost signal stability. Antenna features affect transmission range, stability and anti-interference performance. Therefore, antenna is a vital component in any system installations especially for complicated and demanding RF environment wireless microphones and wireless monitors systems. It greatly improves signal stability and reduces interferences, signal drop-outs caused by polarization problems.

Built-in Connectors

AT-100 has two built-in connectors: One "TX/RX" signal connectors for either transmitter or receiver. Another "RX Only" receiver only connector (cannot connect to transmitter) has a built-in 12 dB antenna gain booster provides extended reception range and compensates for coaxial cable signal loss caused to improve reception range and signal quality. Booster power can be provided by a MIPRO AD-707a or any ACT series receivers.

Waterproof

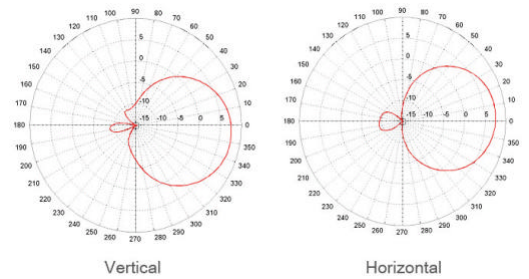
Waterproof and weather resistant. Ideal for both outdoor and indoor applications.

Accessories

MS-30	Tripod Microphone Stand
MS-90	Wall-Mounting Bracket

Technical Specifications

Frequency Range	470MHz~1000MHz
Antenna Gain	6~8dBi
Polarization	Circular polarization
3-dB Beam-width	72°
Booster Gain	RX connector: 12±1dB; TX/RX connector: 0dB
VSWR	2:1
Power Consumption	RX connector: 1120mW (DC 8V); TX/RX connector: 0mW
Impedance	50Ω
Connector	TNC Female x2
Dimensions	350(W)x350(H)x225(D)mm / 13.8(W)x13.8(H)x8.8(D)"
Weight	Approx. 1.5kg / 3.3lbs



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Specifications subject to change without notice. SS011/13