

AT-90Wa Wideband Transmitting & Receiving Log Antenna

Introduction

The AT-90Wa is a bi-functional log antenna for professional receiving and transmitting applications. Optimized for 470 – 1,000 MHz, it is compatible with US and EU new telecom regulations. It has a 4 – 6 dBi gain which is ideal for any installation requiring specific directionality. The wideband ACT-90Wa can be easily distinguished from its predecessor, the AT-90, by its new “W-Shaped” design.

The AT-90Wa has two input connectors: “TX/RX” connector can be connected to a transmitter or receiver, however, connection to a short coaxial cable is recommended when connected to a receiver. “RX” connector (cannot be connected to a transmitter) has a built-in 0 – 12 ± 1 dB gain adjustable booster and thus provides extended reception range and compensates the signal loss of coaxial cable to improve reception range and signal quality.

The power of gain controllable booster can be provided by a MIPRO AD-708 antenna divider or any MIPRO ACT Series receivers which provides bias by adding an adjuster on their antenna connectors.

Accessories

MS-30	Tripod Microphone Stand
MS-90	Wall Mount

Technical Specifications

Frequency Range	UHF 470 – 1,000 MHz
Antenna Gain	4 – 6 dBi
3-dB Beam Width	75° Vertical; 130° Horizontal
Booster Gain	RX Connector: 0 – 12 ± 1 dB gain adjustable; TX/RX Connector: 0 dB
VSWR	< 2:1
Voltage Range of RX Connector	8 – 15 V DC
Power Consumption	RX Connector: 1.3 W / 8 V DC; TX Connector: 0 mW
Impedance	50 Ω
Connectors	TNC female × 2
Dimensions (W × H × D)	319 × 270 × 25 mm / 12.5 × 10.6 × 1 "
Weight	Approx. 430 g / 15.2 oz



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