

AT-70W Wideband Transmitting & Receiving Omni-directional Antenna

Introduction

The AT-70W is a bi-functional omni-directional antenna for professional receiving and transmitting applications. It is optimized for 470 ~ 1000 MHz, which is fully compatible with US and EU new telecom regulations. It has a 2 ~ 4 dBi gain which is ideal for any specific installation requiring full directionality. It can be easily distinguished by its new "W-Shape" appearance.

The AT-70W 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. The "RX" connector can be connected to a receiver only and has a built-in 0 ~ 12 dB \pm 1 dB gain adjustable booster, thus providing extended reception range and compensating for the signal loss of coaxial cable to improve reception range and signal quality.

The AT-70W offers users the options of transmitting or receiving based on their actual application. The power of the gain-controllable booster can be provided by a MIPRO AD-708 antenna divider or any MIPRO ACT Series receiver which provides bias by adding an AD-702 auto gain controller on their antenna connectors. It is water resistant and ideal for both outdoor and indoor applications.

Accessories

MS-30	Tripod Microphone Stand
MS-90	Wall Mount

Technical Specifications

Frequency Range	UHF 470 – 1,000 MHz
Antenna Gain	2 – 4 dBi
Booster Gain	RX Connector: 0 – 12 dB gain controllable; TX/RX Connector: 0 dB
VSWR	< 2:1
Power Supply	8 – 15 V DC bias is required for RX Connector
Power Consumption	RX Connector: 1.3 W / 8 V DC; TX Connector: 0 mW
Impedance	50 Ω
Connector	2 \times TNC female
Dimensions (W \times H \times D)	120 \times 261 \times 32 mm 4.7 \times 10.3 \times 1.3"
Net Weight	Approx. 200 g 7 oz



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