

AT-70A

UHF Wideband Active Omnidirectional Antenna

FEATURES

- Wideband UHF 470–1000 MHz coverage supports various wireless microphone system applications.
- Built-in low-noise, wideband linear RF amplifier compensates for signal loss caused by coaxial cable runs to improve RF signal transmission stability.
- Four-position gain selector provides +12 dB, +6 dB, 0 dB, and -6 dB settings for flexible adjustment according to different RF environments and installation conditions.
- TX/RX shared design allows use as a TX antenna when no bias power is applied.
- High dynamic range amplifier design helps reduce RF overload and intermodulation interference in multi-channel wireless systems.
- RF Overload LED indicator allows quick monitoring of excessive RF signal conditions during system operation.
- Omnidirectional reception pattern is suitable for stage performances, conference rooms, houses of worship, and fixed installation applications.
- IP65-rated enclosure is suitable for indoor and outdoor installation applications.
- Compatible with microphone stands and mounting brackets for flexible installation applications.

SPECIFICATIONS

Frequency Range	UHF 470 – 1000 MHz
Reception Pattern	Omnidirectional
Antenna Gain	2 – 4 dBi
Gain Settings	+12 dB / +6 dB / 0 dB / -6 dB
RF Amplifier	Low-noise wideband linear amplifier, +30 dBm IIP3
RF Overload LED	Activates at -6 dBm
Impedance	50 Ω
VSWR	$\leq 2:1$
Connector Type	TNC Female
Power Supply	DC 8–18 V bias via coaxial cable, 0 dB gain without bias power
Mounting	Compatible with microphone stands and mounting brackets
Waterproof Rating	IP65
Dimensions	120 × 240 × 28 mm (W × H × D)
Weight	Approx. 210 g

