

SA-1059 Wireless Microphone Antenna Distributor



Product Overview:

A UHF active wireless directional antenna with a dual-polarized log periodic array. Comparison with 1/2 wavelength omnidirectional antenna.

Features:

1. The carrier range of the new broadband distributor is (500-950MHz), covering the frequency range of the new radio wave regulations in Europe and the United States.
2. Provide 2 ~ 4 sets of various automatic signal selection receivers to share a pair of antenna systems, simplify the antenna assembly project, and improve the receiving distance and efficiency.
3. The latest ultra-high dynamic and low-noise active components and ultra-wide band micro strip circuit design are adopted, which has the characteristics of ultra-low internal modulation distortion and loss, and provides a multi-channel receiving system that can eliminate mixing interference when used at the same time. Its output gain is approximately equal to 1.
4. It has two sets of antenna input and output bases and two sets of four-channel antenna output bases, which can be directly connected to the antenna input bases of four automatic signal selection receivers. ■ The antenna input base can be directly equipped with various single-rod antennas and coaxial antennas within the applicable frequency band range, or can be connected with an extended antenna group and a broadband logarithmic directional antenna group after being equipped with a strong wave filter.
5. Can be mounted on a microphone stand, suspended from the ceiling, or mounted on a wall using a swivel adapter bracket.



6. The antenna input base has a power supply for the power filter, which can be directly connected to the extended antenna group with the antenna power filter and the logarithmic directional antenna group with the built-in power filter.
7. To compensate for the signal loss of the coaxial cable, the on-board amplifier provides a user selectable gain of 3 or 10 dB. The gain setting is displayed by two LEDs.
8. External 4 groups of 12 V/1Adc current (DC power supply). Impedance: 50 ohms

Technical parameters

Model	SA-1059
Applicable bandwidth	500-950MHz
Enter a truncation point	+ 32dBm antenna input signal
RF Output Gain	+1.0dB±1dB
Input/Output Gain	+1.0dB±1dB
Insulation of output end	> 18dB at 400 ~ 1000MHz
Frequency band selectivity	Low end ≥ 35 dB, high end ≥ 30 dB
Input/output impedance	50Ω
Antenna input and output	TNC socket
Power supply for antenna	8.3 V DC, 230mA Max at antenna A and B inputs
Power supply	12~15V DC
Current consumption	Approx. 190mA at 12V DC input
Size	482×44×190
Weight	About 1.5 kg