

## AN-01

### Uni-directional UHF Antenna



### Overview

- The AN-01 is a uni-directional UHF Antenna, designed to be used with Sony analogue or digital wireless microphone systems.
- Two AN-01 should be used for diversity reception.
- A single AN-01 can receive a wide frequency range from 470 to 862MHz.
- Either DC 9V or 12V can be used for powering.
- Selectable booster gain (18 dB/10 dB/0 dB).
- The antenna is a log-periodic dipole array.
- It is supplied with a hand grip that supports screw mounting onto a microphone stand.

### Specifications

#### Antenna Section

Antenna Type	Log periodic dipole array
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Directivity	Unidirectional
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Frequency Range	470 MHz to 862 MHz
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Antenna Gain	5 dBi or more
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Voltage Standing Wave Ratio	2.5 or less
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Half Power Angle	150 degrees or less
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Front To Back Ratio	12 dB or more
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## Booster Section

Frequency Range	470 to 862 MHz
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Booster Gain	18 dB/10 dB/0 dB, switchable
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Voltage Standing Wave Ratio	3.0 or less
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Noise Figure	6 dB or less
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Third Order Intermodulation	60 dB or more (95 dB $\mu$ VEMF input)
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## Input/Output

Output Connector	BNC-R, 50 $\Omega$
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## General

Power Requirements	9 V/12 V DC
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Power Consumption	100 mA or less
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Operating	32°F to 122°F
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Temperature	0°C to 50°C
Storage/Transport Temperature	-4°F to +140°F -20°C to +60°C
Dimensions *[1]	343 x 341 x 36 mm (excluding microphone stand attachment pole/grip) (W x H x D) 13 1/2 x 13 5/8 x 1 7/16 inches (excluding microphone stand attachment pole/grip) (W x H x D)
Mass	Approx. 530 g Approx. 19 oz
Supplied Accessories	Warranty card (1) Warranty booklet (1) Stand Adapter PF1/2 to W5/8 type (1) Stand Adapter PF1/2 to W3/8 type (1) Operating Instructions (1) Microphone stand attachment pole/grip (1 set)

## Notes

Note \*[1] The values for dimensions are approximate.

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