PWS Helical Antenna

[Transmit/Receive] MODEL# HA-8089

HELICAL ANTENNA INSTRUCTIONS

IMPORTANT
Always perform a “walk around” test to verify coverage before using a wireless system during a performance. Experiment with antenna placement to find the optimum location.

MOUNTING THE ANTENNA
The reversible antenna mounting adapter is designed for standard microphone stands. It has U.S. standard 5/8 inch-27 threads per inch (5/8"-27) on one end and European standard 3/8 inch-16 threads per inch (3/8"-16) on the other end.

HOW TO AIM THE ANTENNA
Position the antenna with the narrow end aimed at the performance area. Position your eyes 12 inches (30 cm) behind the antenna. Close one eye and look through the rear end of the antenna, toward the performance area. The view through the diameter of the round rear plate is approximately 57 degrees - the beamwidth of the antenna.

VITAL STATISTICS

- Transmit/Receive
- Bandwidth 460 - 900 MHz
- 57 Degree Beamwidth
- BNC Female RF Connector (*“N” connector model available from Masque Sound

ENGINEERING DATA SPECIFICATIONS

RF Frequency Range / Bandwidth
460 - 900 MHz

Impedance
50 ohms

Beamwidth
57 degrees

Antenna Gain
14 dBi (on axis)

Front-to-Back Ratio / Rear Rejection
30 dB

DC/AC Power Source
Not required

RF Connector
BNC female, right angle

Dual Mounting Adapter
5/8"-27 U.S. standard
3/8"-16 European standard

Antenna Cable Retainer
Plastic clamp on rear of antenna

Estimated Operating Temperature
-30 degrees F to 180 degrees F [-34 degrees C to 80 degrees C]

Construction Material
Clear Polycarbonate plastic

Net Weight
3lbs 11oz (1.7 kg)

Shipping Weight
5lbs (2.3 kg)

Shipping Dimensions
14" x 14" x 14" (36 x 36 x 36 cm)

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