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A MASQUE SOUND COMPANY

PWS HELICAL ANTENNA



SPECIFICATIONS

RF Frequency Range / Bandwidth
460 - 900 MHz
Impedance
50 ohms
Beamwidth
63 degrees
Antenna Gain
10-12 dBi (on axis)
Front-to-Back Ratio / Rear Rejection
12 dB
RF Connector
BNC female, right angle
Dual Mounting Adapter
5/8"-27 U.S. standard
3/8"-16 European standard
Construction Material
Clear Polycarbonate

DESCRIPTION

The PWS Helical antenna is easy to use and can replace any other directional antenna technology. The antenna is particularly useful in large-scale events, where it is otherwise virtually impossible to control the orientation of both the sending and receiving ends of communication.

It can be used in a couple of different ways – as an In-Ear Monitor transmitter antenna or with a receiver for wireless microphones.

Typically performing artists wear a receiver that includes a $\frac{1}{4}$ wave whip antenna. Any movement can result in a lower quality transmission. With the helical antenna, RF energy rotates through 360 degrees of polarization, providing crystal clear reception in the artists' ear no matter how much they move or where they go on the stage.

The same applies when an artist is using a wireless microphone. A helical antenna can be used with the receiver for greater performance no matter how much the handheld microphone is moved around. The PWS Helical Antenna is part of a new generation of antennas that provide greater bandwidth, higher gain and more flexibility in wireless communications.