

# HELICAL

PASSIVE CIRCULARLY POLARIZED  
DIRECTIONAL ANTENNA



## ONE-WAY

The HELICAL antenna is designed for touring sound professionals, sports broadcast engineers, and those who frequently operate many hundreds of feet away from the action. Long range FOH positions often require a high gain antenna for microphone or in-ear-monitor links.

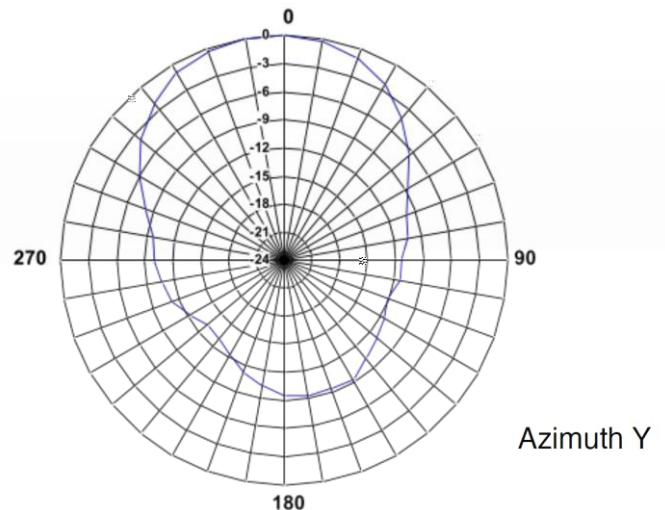
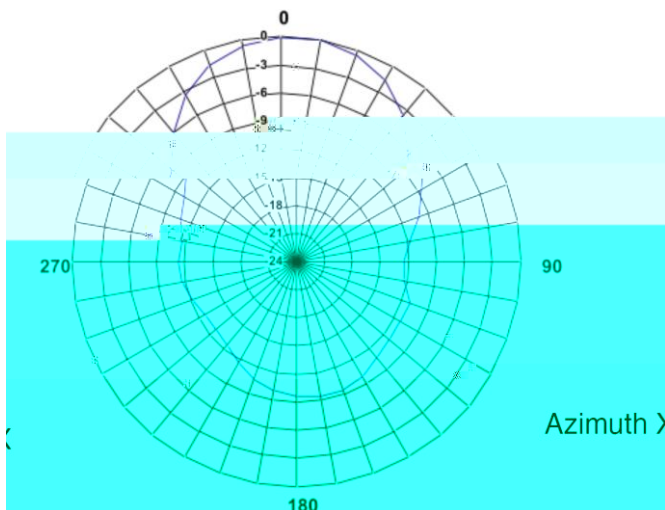
The circular polarized HELICAL is lightweight, rapidly deployed, and easily stored. The durable, water resistant nylon cover compresses down and buckles closed to easily fit inside a rack drawer. When needed, simply unbuckle the straps, extend the HELICAL, and mount it on a stand. For best performance connect the HELICAL to your microphone receiver or IEM transmitter via low-loss coax cable and aim the antenna toward the stage.

## HIGHLIGHTS

- » Works with wireless microphone and IEM systems, UHF 470 – 740 MHz,
- » Circular Polarized for high directionality and strong signal reception
- » 9 dBi antenna gain
- » Fits 1/4-20 Lighting Stands, 3/8-16 EU Mic stands, and 5/8-27 International Mic Stands
- » Strong and water resistant nylon cover for indoor and outdoor use
- »

## KEY SPECIFICATIONS

<b>Operating frequency range</b>	470-740 MHz
<b>Antenna gain</b>	-1 dB
<b>Pattern type</b>	beam
<b>Polarization</b>	RHCP
<b>Average return loss</b>	-13.15 dB
<b>Impedance</b>	50 $\Omega$
<b>Azimuth X</b>	
<b>Beam width</b>	63°
<b>F/B Ratio</b>	15 dB
<b>F/S Ratio</b>	12 dB
<b>Squint</b>	< 2
<b>Azimuth Y</b>	
<b>Beam width</b>	70°
<b>F/B Ratio</b>	15 dB
<b>F/S Ratio</b>	12 dB
<b>Squint</b>	< 2
<b>Finish</b>	black
<b>Operating temperature</b>	-23 to 54 °C (10 to 130 °F)
<b>Connector</b>	N female (BNC adapter included)
<b>Mounting</b>	1/4-20, 3/18-16, and 5/8-27
<b>Dimensions</b>	355x355x305(76) mm (14x14x12(3) in.)
<b>Net weight</b>	1.2 kg (2.6 lbs)
<b>Included accessories</b>	N to BNC adapter
<b>Item Number</b>	HELICAL 3009H00210



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