

HELICAL

PASSIVE CIRCULARLY POLARIZED
DIRECTIONAL ANTENNA

AKG[®]
by HARMAN



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.

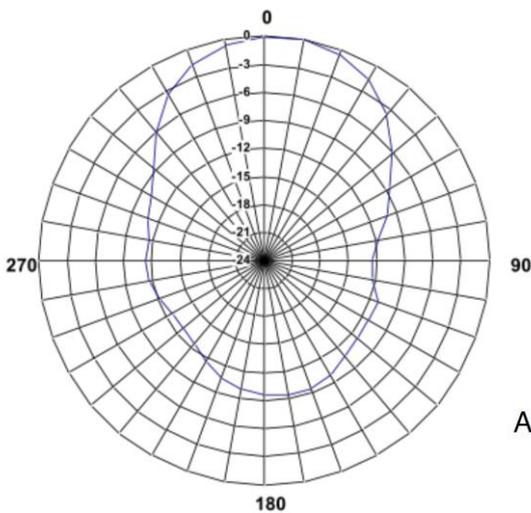
The circular polarized HELICAL is lightweight, rapidly deployed, and easily stored. The durable, water resistant nylon cover compresses down and buckles closed to easily fit inside a rack drawer. When needed, simply unbuckle the straps, extend the HELICAL, and mount it on a stand. For best performance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

HIGHLIGHTS

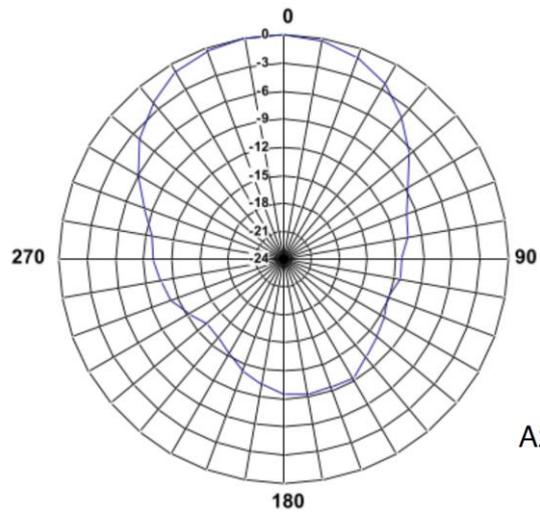
- » Works with wireless microphone and IEM systems, UHF 470 – 740 MHz,
- » Circular Polarized for high directionality and strong signal reception
- » 9 dBi antenna gain
- » Fits 1/4-20 Lighting Stands, 3/8-16 EU Mic stands, and 5/8-27 International Mic Stands
- » Strong and water resistant nylon cover for indoor and outdoor use
- » Foldable from 12" extended to 3" compressed

KEY SPECIFICATIONS

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



Azimuth X



Azimuth Y