

# Specifications



## Diversity Fin IPX Antenna

### Weather-Resistant IP-Rated Antenna for Wireless Microphones

The Diversity Fin® IPX Antenna is the next evolution of RF Venue's industry-standard flagship. Engineered to provide the same legendary performance as the original Diversity Fin, the IPX version is built to withstand the rigors of the road and the unpredictability of the outdoor elements.

Whether deployed in the harsh environments of touring and rental systems or as part of a permanent outdoor installation, the Diversity Fin IPX Antenna delivers a consistently reliable wireless microphone signal. Its robust design effectively eliminates multi-path interference and signal dropouts. This is achieved by combining log-periodic dipole array (LPDA) and a dipole antenna within a single, IP-rated ruggedized housing, allowing the IPX to capture both vertical and horizontal signals.

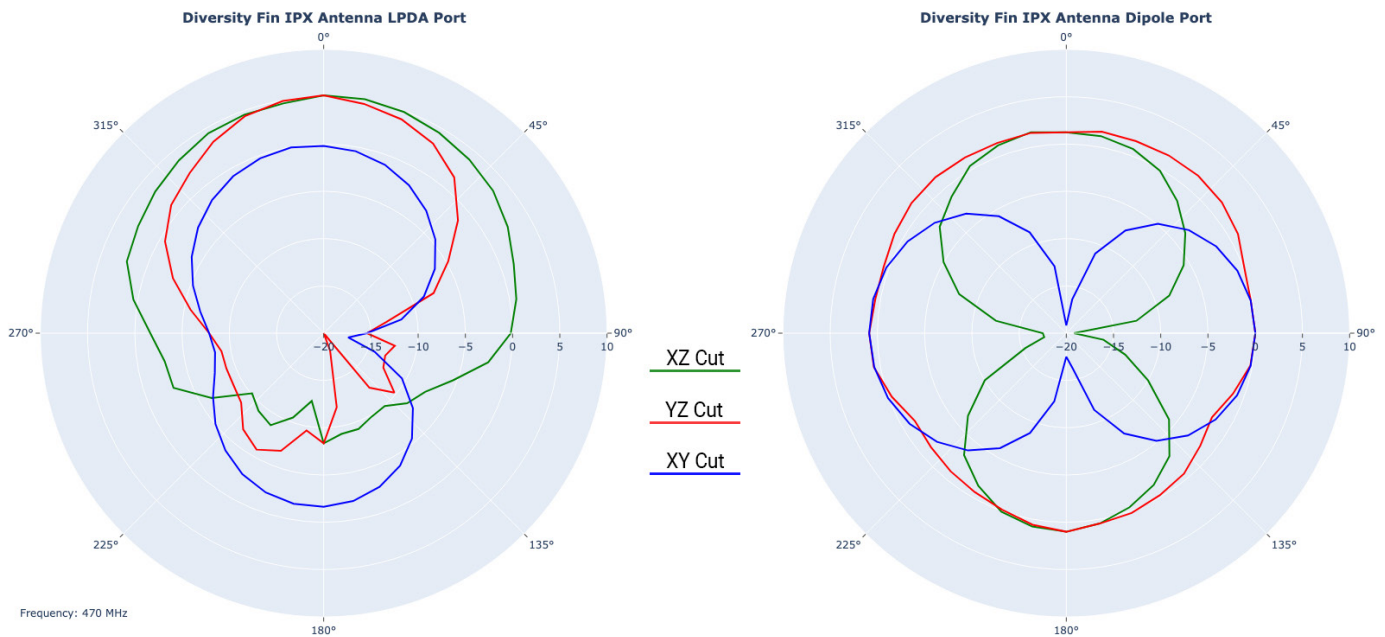
The Diversity Fin IPX Antenna is designed to operate between 470 and 928 MHz. This range covers North American UHF band frequencies 470-698 MHz, European 823-832 and 863-865 MHz bands and the 902-928 MHz ISM band.

The Diversity Fin IPX Antenna is best set up facing edgewise, with the narrow most part of the antenna being aimed toward the wireless microphones. On the left side of the antenna are the labeled LPDA and Dipole antenna outputs; plug both of these BNC outputs into your wireless microphone receiver or Distro to achieve diversity with your wireless microphones. For best results, maintain line of sight between the antenna and the wireless microphones.



SKUs DFIN-IPX, DFIN-IPXW

#### Antenna Comparison: Total Gain



Electrical		Physical	
Operating Frequency	470 – 928 MHz	Dimensions	287 x 346 x 47 mm / 11.2 x 13.6 x 1.85 in
Impedance	50 Ω	Weight	1.8 kg / 4 lbs
Polarization: LPDA	Vertical	Mounting Interface	5/8"-27, 3/8"-16
Polarization: Dipole	Horizontal	IP Rating	IP44
		Connectors	2x BNC

UG-00006 Rev A

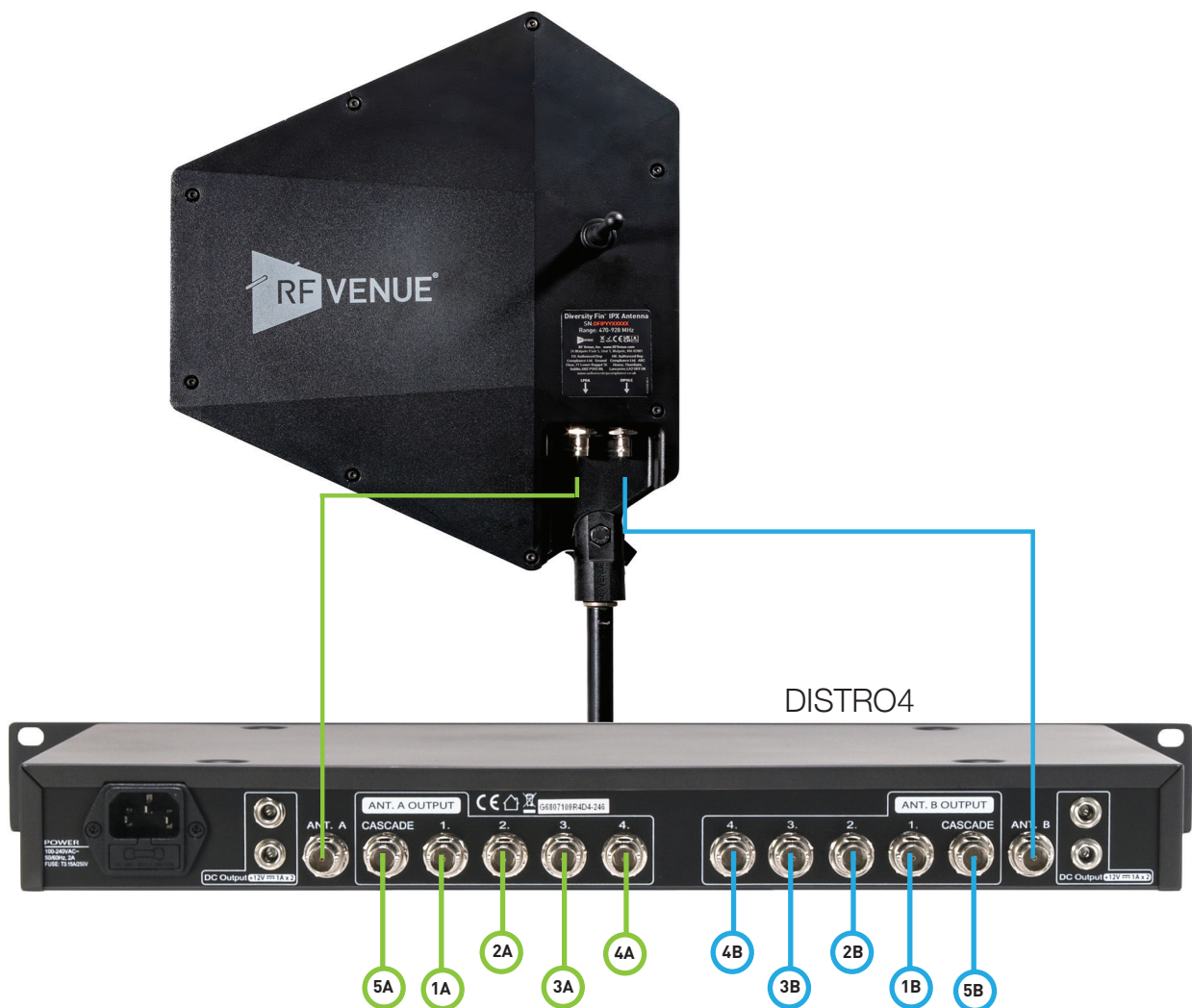
## Diversity Fin IPX Antenna

Weather-Resistant IP-Rated Antenna for Wireless Microphones

### Setup Instructions

1. Screw-in the two dipole antennas, one on each side, to the Diversity Fin<sup>®</sup> IPX Antenna.
2. Connect the LPDA and Dipole outputs on the Diversity Fin IPX to the Antenna A and B inputs of your wireless microphone receiver or distro. We recommend using high quality coaxial cable such as RG-8X.
3. Position the antenna in the direction of the wireless microphones. For optimal performance, maintain clear line of sight between the transmitters and the antenna.
4. If poor reception occurs, check that the coaxial cable is fully seated. Avoid placing the antenna near conductive objects and walls that may affect performance.

Optional: Attach the provided dipole pouch by unthreading the tensioner knob and affixing the pouch to the shaft of the knob. Reattach the tensioner knob to the mic stand mount.



Wireless Mic Receivers

UG-0006 Rev A