

Wireless Interference?

...we have the solutions

IEM Radiator™

*Uses Circular Polarity & Horn Radiators
for 'Rock-Solid' IEM Reception*

The IEM Radiator™ antenna is not like your traditional paddle or helical antenna commonly used with pro-audio In-Ear-Monitoring systems (IEM). The antenna incorporates a unique combination of advanced Circular Polarization technology with a Horn Style Radiator for directional, high-gain enhanced radiating transmission.

We guarantee* that this antenna will reduce interference, reduce drop outs, help eliminate 'swishing' noise artifacts, improve RF signal to noise, and enhance reception of signals propagated through and around objects.

\$390 per antenna



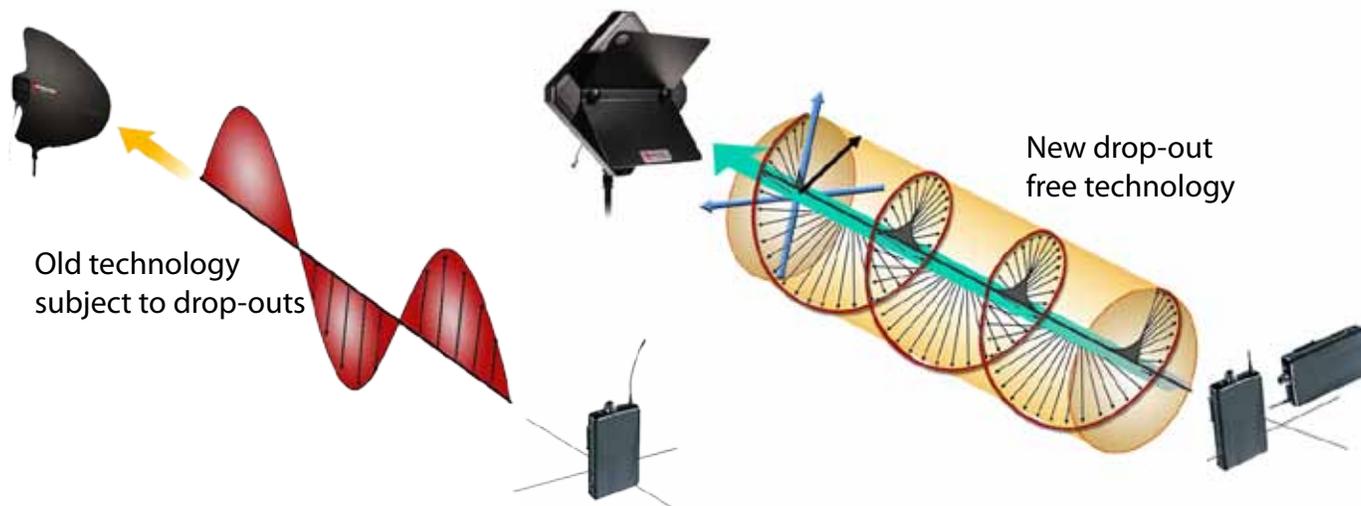
X INVISIBLE WAVES
IEM Radiator



*Guarantee: Kaltman Creations LLC guarantees that the IEM Radiator™ antenna will reduce interference, reduce drop outs, reduce associated 'swishing' noise artifacts, and maintain strong consistent receiver signal levels as compared to conventional paddle and rod antennas. If you are not completely satisfied with the results, you can return the antennas within 15 days of purchase for a full refund.

Traditional paddle and rod antennas used for wireless In-Ear-Monitor (IEM) are either horizontally or vertically polarized (usually vertically). When an In-Ear-Monitor receiver antenna changes its orientation in reference to the transmitting antenna – as wireless IEM belt pack receivers always do – the phase relationship changes.

The new IEMRadiator™ antenna uses a unique combination of advanced Circular Polarization technology with a Horn Style Radiator which produces a powerful 'drop-out free' transmitter and receiver combination that is never out of phase. This technology guarantees as reliable and as efficient of an RF signal link as possible. The antenna design is unique in many ways, the most obvious being its rugged flat panel design and 'thumb-screw' removable horn radiators. Unlike paddle and helical antennas, the IEMRadiator™ features forward enhancing horn radiators that increase gain and directivity which create a more robust and reliable radiated signal.



Specifications

Horn radiators are 'thumb-screw' removable for packing

Frequency Range: 470MHz – 890MHz

Gain: 10.5 dBic

Maxium VSWR: 1:4:1

3 dB Beamwidth – Azimuth: 55°

Front to Back Ratio: 20 dB

Polarization: Circular right-hand or circular left-hand

Maxium Input Power: 3 Watts

Input Impedence: 50 Ohms

Axial Ratio: 1 dB

Weight: 3 lbs.

Mechanical Size: 10.2" x 10.2" x 1.32"

Mechanical Size w Radiators attached: 10.2" x 10.2" x 6"

Color: Theatre Black

Antenna Connection: Coax Pigtail BNC(F)

Radome: High Strength PC

Mount Style: Mic Stand Swivel/Threaded Stud

Temperature Operational: -25°C to 70°C

Lightning Protection: DCV Grounded

Environmental Rating: IP 54 (Waterproof)

