

The Intelix AVO-MIC microphone balun set transmits a preamplified microphone signal and phantom power up to 2,500 feet over standard structured cabling, such as Cat 5. The AVO-MIC balun set includes a rack-mountable send balun, rack-mountable receive balun, and a power supply; the set may be powered on either the send or receive end. The AVO-MIC balun set is ideal for corporate A/V, churches, schools, auditoriums, and almost any other situation involving microphone level audio signal distribution.

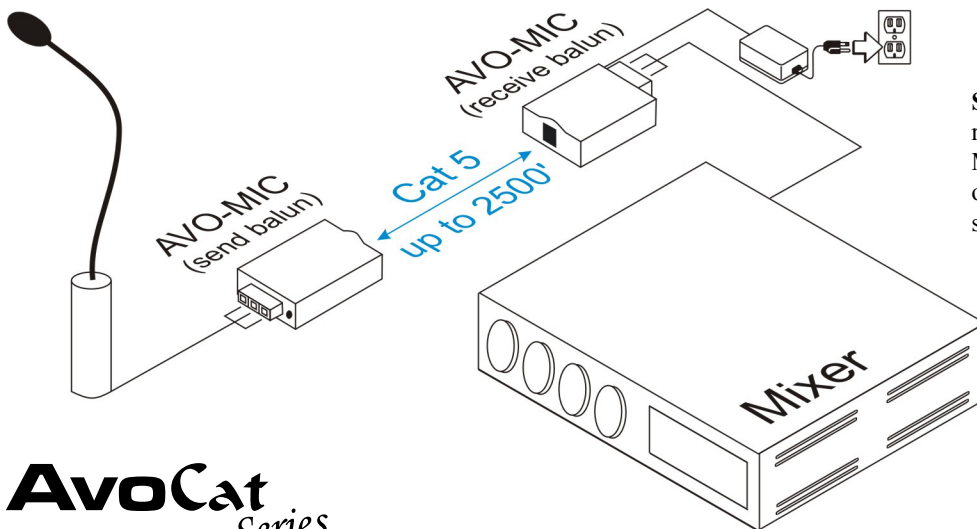


The Intelix **AvoCat** Series of baluns is the ideal solution for sending audio and video over structured cabling. **When signal quality matters, choose Intelix.**

**Technical Specifications**

<b>Maximum Distance*</b>	2,500 feet	<b>Unshielded Twisted Pair Cabling Specifications</b>	Maximum capacitance: 20 pf/foot
<b>Bandwidth</b>	20 Hz to 20 kHz	<b>(24 gauge or lower solid copper)</b>	Impedance: 100 ohms @ 1 MHz
<b>Impedance</b>	600 ohms, unbalanced	<b>RJ45 Pinout</b>	Attenuation: 6.6 dB/1000 ft. @ 1 MHz
<b>Isolation</b>	500 V		<i>Cat 5, Cat 5e, Cat 6, Cat 7 compatible</i>
<b>Nominal Level</b>	1.0 volts	<b>Temperature</b>	Channel 1 (R): 1 & 2, pair 2
<b>Insertion Loss</b>	1 dB		Power: 4 & 5, pair 1
<b>Common Mode Rejection</b>	Greater than 40 dB	<b>Enclosure</b>	Operating: 32 to 131 F (0 to 55 C)
<b>Power</b>	24 VAC; system may be powered at either the send or receive end	<b>Balun Dimensions</b>	Storage: -4 to 185 F (-20 to 85 C)
<b>Power Connector</b>	DIN connector	<b>Shipping Weight</b>	Humidity: up to 95%
<b>Audio Connectors</b>	One (1) 3-pin screw terminal to one (1) RJ45	<b>Ordering Information</b>	Black plastic
<b>Phantom Power</b>	24V	<b>Warranty</b>	4.3" x 2.5" x 1.0"
<b>System Gain</b>	0 to 60 dB		2.0 lbs

\*Distances and audio quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5.



**System Drawing:** A podium microphone is routed to a remote receiver via an Intelix AVO-MIC balun set. The baluns transmit the signal over 2,500 feet of standard Cat 5 cabling. The system is powered on the receive end.