

Architectural Specification for the Intelix AVO-MIC Microphone Balun

The unit shall be a microphone balun set which transmits a preamplified microphone signal and phantom power up to 2,500 feet over standard unshielded twisted pair structured cabling, such as Cat 5. The unit shall include a rack-mountable send balun and a rack-mountable receive balun. The maximum distance of the unit shall be 2,500 feet. The bandwidth shall be 20 Hz to 20 kHz. The impedance shall be 600 ohms, unbalanced. The isolation shall be 500 V. The nominal level shall be 1.0 volts. The insertion loss shall be 1 dB. The common mode rejection shall be greater than 40 dB. The unit shall be powered by a 24 VAC power supply at either the receive or the send end. The power connectors shall be a DIN connector. The audio connectors shall be one 3-pin screw terminal to one RJ45. The RJ45 pinout shall be pins 1 and 2 (pair two) for the channel one (R) and pins 4 and 5 (pair 1) for the power. The unit shall be an Intelix AVO-MIC microphone balun set.