

Architectural Specification for the Intelix AVO-MIC-WP 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 wallplate 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 the receive end. The power connector shall be a DIN connector. The connectors on the receive balun shall be one 3-pin screw terminal and one RJ45. The connectors on the send balun shall be one female XLR and one RJ45. The RJ45 pinout shall be pins 1 and 2 (pair two) for the audio channel and pins 4 and 5 (pair 1) for the power. The unit shall be an Intelix AVO-MIC-WP microphone balun set.