

## **Architectural Specification for the Intelix AVO-A4 Analog Audio Balun**

The unit shall be a rack-mountable balun that transmits four mono or two single stereo analog audio signals via standard unshielded twisted pair structured cabling, such as Cat 5. 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 of the unit 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 RJ45 pinout shall be pins 1 and 2 (pair 2) for audio right channel 1 and pins 4 and 5 (pair 1) for audio left channel 1. The RJ45 pinout shall be pins 7 and 8 (pair 4) for audio right channel 2 and pins 3 and 6 (pair 3) for audio left channel 2. The unit shall be an Intelix AVO-A4 analog audio balun.