

AudioControl®

Making Good Sound Great™

MAKE YOUR AUDIO GO THE DISTANCE



BLX-1K™

BALANCED LINE TRANSCEIVER

SEND/RECEIVE HIGH QUALITY AUDIO UP TO 1000 FEET | HIGH GAIN, LOW NOISE OUTPUTS

SIMPLE CONNECTION WITH ONE-BUTTON SETUP | SUPPORTS STANDARD CAT5/6 CABLE

SEPARATE BALANCED LINE DRIVER & RECEIVER STAGES | INDEPENDENT GAIN & ATTENUATION CONTROLS

GROUND LIFT OPTION | INTEGRATED MOUNTING BRACKETS

HOME AUDIO

BALANCED LINE TRANSCEIVER

Professional A/V installers often encounter projects that require long cable runs, and the BLX-1K has been engineered as a premium, simple solution to efficiently address these challenges. The BLX-1K is a signal extender that sends and receives a fully balanced, noise-rejecting, analog audio signal up to 1000 feet over standard Cat5/6 cable.

Designed to be used in pairs at both ends of the signal path, each BLX-1K contains a 2-channel receive stage as well as a 2-channel transmit stage, enabling audio to travel in both directions across a span of standard Cat5/6. Once wired connections are made, the A/B switch on one unit is pressed to reverse the signal path. Signal gain can then be set to complete the installation. A ground lift switch is available should the need arise. The BLX-1K comes equipped with a 24 VAC transformer for easy connection and ultra-quiet performance.

Ideal for simple to complex applications, and anything in between, the BLX-1K can be quickly set up for "A to B" one-way signal extension applications (Figure 1), or more complex, two-way signal extension to connect remote zones in a home or office (Figure 2).

- Send/receive high quality audio up to 1000 feet
- High gain, low noise outputs (7.5 Vrms)
- Simple connection with one-button setup
- Supports standard Cat5/6 cable
- Separate balanced line driver and receiver stages
- Independent gain and attenuation controls
- Ground lift option (when using shielded Cat5/6)
- Integrated mounting brackets

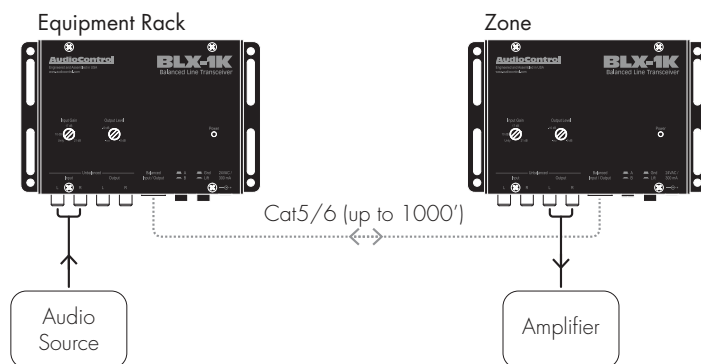


Figure 1

Unbalanced Inputs (RCA)			Unbalanced Inputs (RCA)			Balanced Inputs		Balanced Outputs (Cat5/6)			Freq. Response	SNR (ref. full output)	Channel Separation	CMRR	Current Draw
Ch.	Impedance	Max Input	Ch.	Impedance	Max Output	Ch.	Impedance	Ch.	Impedance	Max Output					
2	100 kΩ	3.8 Vrms	2	150Ω	7.5 Vrms	2	200kΩ	2	150Ω	15 Vrms	20 Hz to 20 kHz	>98 dB	100 dB (1 kHz)	>64.5 dB (1 kHz)	50 mA

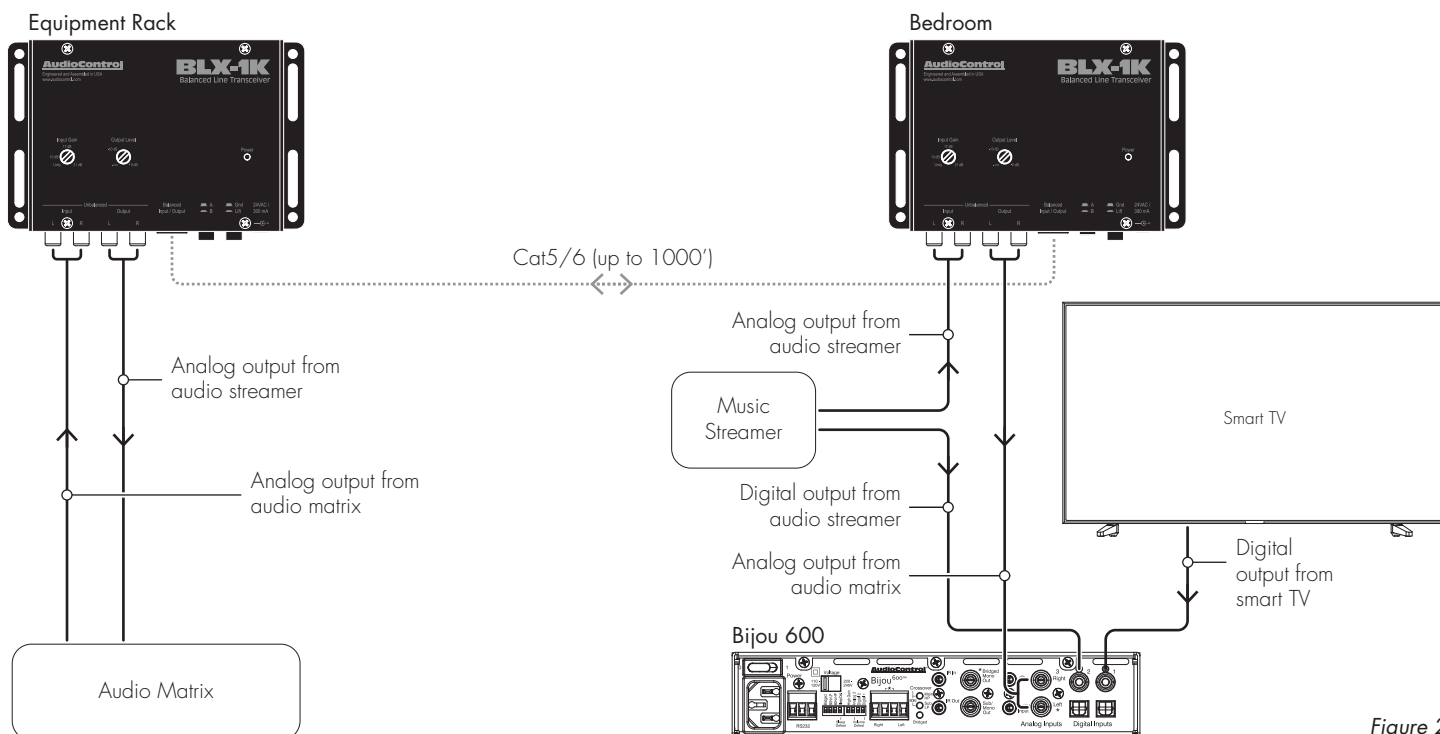


Figure 2



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