



Audio Balun / RCA / Pigtail Kit

Model: VBAU100TP Only sold as a set



VBAU100TP Audio Balun / RCA / Pigtail Kit is a set of passive (non-amplified) device with 4½" lead that allows the transmission of real-time audio over Unshielded Twisted Pair (UTP) cable. Blue color label indicates transmitter (Tx). Red color label indicates receiver (Rx). 1V audio signal can be transmitted up to 1000ft / 300m and 6V audio signal can be transmitted up to 3300ft / 1000m. Sold as a set only.

Features:

- Use an Unshielded Twisted Pair cable (UTP), like CAT5, to transmit audio signal up to 1000ft / 300m
- Real-time transmission of audio signal without any delay
- Passive, no power required
- **Surge / Lightning Protection**
10/700 µs Pulses: 2KV
Standard: IEC6-4-2/1955
- **ESD : Electrostatic Discharge Protection**
Contact Discharge: 6KV / Air Discharge: 8KV
Standard: IEC61000-4-2
- **Wave / Interference Rejection & Isolation**
Extra Interference Rejection >60db



Tx - Blue

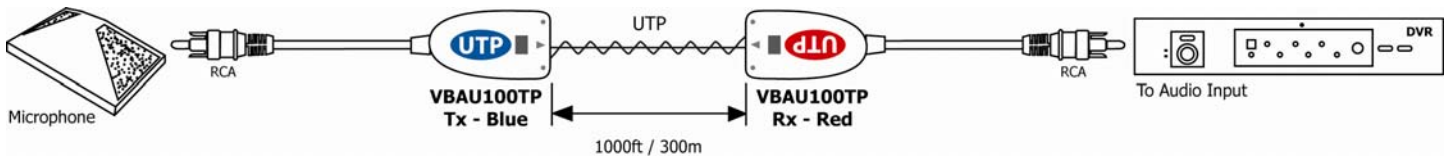


Rx - Red



Quick Connect

Application Diagram:



Specification:

Model Number		VBAU100TP	
Audio Input / Output		RCA Male to Push Pin Terminal	
Audio Property	Resistance	RCA	600 Ohms
		UTP, RJ45 Data Connector	100 Ohms
	Signal Transmission Bandwidth		20Hz~20KHz
Surge Protections	Output Protection	2KV (common mode), 10/700µs IEC6-4-2/1955	
	Input Protection	2KV (different mode), 2KV (common mode) IEC6-4-2/1955	
	Input Protection for Over Current	100mA	
Electrostatic Discharge Protection (ESD)		Contact Discharge: 6KV / Air Discharge: 8KV Standard: IEC61000-4-2	
Wave / Interference Rejection & Isolation		Extra Interference Rejection >60db	
Transmission Distance		1000ft / 300m	
Stability	MTBF	>10,000h	
Cable		UTP / Twisted Pair CAT5 (AWG24)	
Dimensions		W x H x D	250 x 28 x 21mm (0.98" x 0.86" x 1.77") with 4 ½" Lead
Environment	Operation Temperature	32°F ~ 131°F / 0°C ~ 55°C	
	Storage Temperature	-4°F ~ 176°F / -20°C ~ 80°C	
	Relative Humidity	0 - 95% (non-condensing)	

FCC CE RoHS

*Specifications are subject to change without notice



Caution:

- Do not connect this device to any power source.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.

Cabling Systems & Solutions

UTP = Unshielded Twisted Pair