ACTIVE VGA BALUN

Description:

Our Active VGA balun supports a local monitor and a remote monitor via Cat5 or better cabling. Each set includes one transmitter and one receiver. This solution is really pratical if you want to view on a local monitor a VGA signal and at the same time send the VGA signal to a remote VGA monitor or projector, eg in education or shop displays where the distances involved are greater. Contrast and brightness adjustment are included for a perfect setup. Both the transmitter and receiver are housed in a robust SPCC with black painting case. These active VGA baluns work in conjunction with laptops, PCs, flat-screen LCD monitors and multimedia projectors. All our Baluns are 100% tested for reliability and durability to guarantee your signal integrity
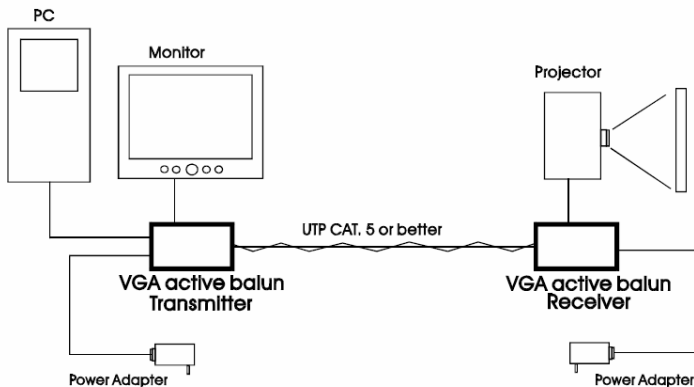
Specification*:

Bandwitch:	DC to 280MHz (resolution up to 1920*1440)
Connectors:	VGA input, PC: HDB15 receptacle VGA output1, transmitter: RJ45 shielded VGA output2, transmitter: HDB15 receptacle VGA input, receiver: RJ45 shielded VGA output, receiver: HDB15 receptacle
Impedance:	75ohm to 100ohm
Cable UTP:	Cat5 or better, AWG#24 typical Impedance: 100ohm at 1MHz Maximum capacitance: 20pf/ft Attenuation: 6.6dB/100ft at 1MHz

Typical distance:		
	640*480 (VGA)	180m
	800*600 (SVGA)	150m
	1024*768 (XGA)	130m
	1280*1028 (SXGA)	100m
	1600*1200 (UXGA)	80m
	1920*1440	70m

Gain adjustment:	Dip switches on receiver (for a reference with a 640*480 resolution)			
	Distance	Sw1 (MSB)	Sw2	Sw3	Sw4 (LSB)
	30m	OFF	OFF	OFF	ON
	50m	OFF	OFF	ON	ON
	100m	ON	OFF	OFF	OFF
	130m	ON	OFF	ON	ON
	150m	ON	ON	ON	ON

LED indicators:	Power ON: blue Gain setting: green
Power supply:	12Vdc/500mA
RJ45 Pin configuration:	R: Pin1(-) , Pin2(+) / G: Pin3(-) , Pin6(+) / B: Pin5(-) , Pin4 (+) Horizontal Sync: Pin7 / Vertical Syn: Pin8
Enclosure:	SPCC with black painting
Dimension (body):	107(L)*75(W)*22(H) in mm
Weight:	Transmitter: 242g / Receiver: 243g

*Content subject to change without notice

Installation:

1) Turn your PC and monitor OFF prior to installation
2) Remove the HDB15 (M) from local monitor and plug it into trasnmitter's input
3) Connect a VGA cable which has two male HDB15 connectors at each end between transmitter's output2 (HDB15 receptacle) and local monitor (HDB15 receptacle)
4) Connect an UTP cable which has two RJ45 plugs at each end between transmitter's output1 (RJ45 socket) and receiver's RJ45 input (socket)
5) Connect a VGA cable which has two male HDB15 connectors at each end between receiver's output (HDB15 receptacle) and used device such as projector (HDB15 receptacle)
6) Set all the DIP switches to ON position
7) Insert DC plugs into power input on both transmitter and receiver
8) Turn ON all the power
9) Adjust suitable gain by DIP switches (Sw1 is MSB / Sw4 is LSB)

Application:

Troubleshootings:

1. No function:
    a) Check all the connections
    b) Check if LED indicators are turned ON
2. No image from projector
    a) Check projector's resolution
    b) Check if the resolution settings are over the specs. Of projector
3. Poor image
    a) Check if the distance is not too long
    b) Adjust the DIP switches to get the best images
    c) Check UTP cable (be sure you use Cat5 or better cable)

Warranty:

Our products have a one (1) year warranty. Lemar warrants that this product is to be free from defect in materials and workmanship, for the life of the product.   The warranty given by Lemar is in lieu of any other warranties, express or implied.   This warranty does not apply to units abused through misuse or subjected to improper and/or excessive voltage, beyond our control.   Lemar assumes no responsibility for damages or penalties incurred resulting from the use of this product.   Lemar's liability under any warranties shall be discharged by replacing or repairing, at our option, the defective product.   Lemars' liability for any product shall not exceed a refund of the purchase price.   The warranty listed here is intended only as a summary of your full and complete warranty.

For a full and complete warranty of this product, please contact Lemar.

Caution:

Do not attempt to open the body, as there are no user-serviceable parts inside Balun. Opening the unit will void your warranty.