



# PSB-1

## Voice Assistant Balun

Voice Assistant devices are here to stay and Transformative Engineering has developed an elegant interface that integrates your clients' Voice Assistant device into their new or existing AV system.

**Audio, IR, and even Power... over just one Category cable!**



The audio transformers used in the **PSB-1** balun set are high-quality, audiophile-grade and will provide exceptional audio reproduction. In addition, the PSB-1 extends 5.2 VDC power and an IR pass-through over inexpensive Category cable.

When integrating the PSB-1, one can install the Voice Assistant device up to 100 meters away from the equipment rack and still maintain audio signal, voltage, and IR.

The **PSB-1** baluns are sold in pairs and must be used in pairs. These are directional devices with one balun designated “device” and the other balun designated “amplifier”. The **PSB-1** “amplifier” balun requires the use of the power supply and the USB-micro cable provided with the Voice Assistant. The ‘device’ balun is then connected via the included USB-micro cable to the Voice Assistant, making for a much cleaner installation (with no wall-wart) at the Voice Assistant device location.

**Transformative Engineering** also provides the stereo and stereo-mini cables often needed to complete the installation. The PSB-1 pair is connected via a CAT5e or CAT6 cable, terminated in T568B with RJ45 connectors, between the two baluns.



Contributor Member of HDBaseT Alliance  
Authorized HDMI Adopter

781-769-6410  
Norwood, MA 02062 USA

[www.TransformativeEngineering.com](http://www.TransformativeEngineering.com)

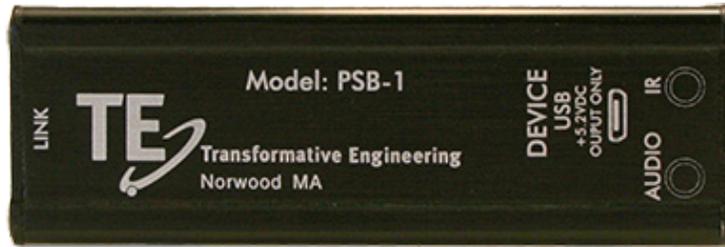
# PSB-1

## Voice Assistant Balun

### Device Balun

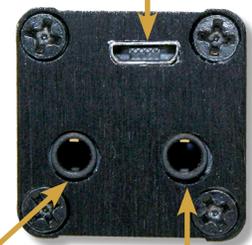


4 RJ45 Connector



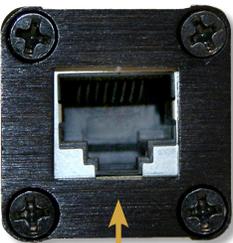
1 1/8" Mini Stereo Audio

### 3 Micro USB (power)

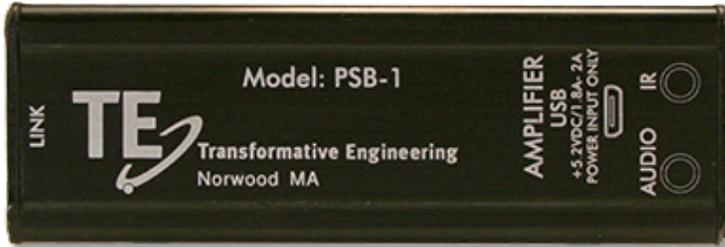


2 1/8" IR Pass-Through

### Amplifier Balun

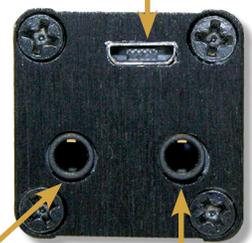


8 RJ45 Connector



5 1/8" Mini Stereo Audio

### 7 Micro USB (for Voice Assistant's power supply)



6 1/8" IR Pass-Through

### PSB-1 SPECIFICATIONS

#### Connections:

Stereo 3.5mm (1/8") Mini type connectors for Audio

2-conductor 3.5 mm (1/8") Mini for IR Pass-Through (1) (Xantech compatible)

RJ-45 Jack for UTP Connection

Micro USB Cable for Power Extension

#### Case Style:

Extruded Aluminum, Fully Shielded and Grounded

#### Frequency Response:

20 – 20KHz, +-3dB, .1% THD @ 1KHz/1V p-p

#### IR:

IR Passive Connection

#### Warranty:

3 Years Parts and Labor

#### PSB-1 System Includes:

- 1) PSB-1 Device Balun
- 1) PSB-1 Amplifier Balun
- 1) 3.5 Mini (Male) to Stereo Pair RCA (Male) (37")
- 1) USB Micro (Male) to USB Micro (Male) (40")
- 1) 3.5mm Stereo Mini (Male) to 3.5mm Stereo Mini (Male) (38")

#### Maximum Distance:

100 Meters (300')

#### Power Supply

Up to 5.2 VDC, 2A



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