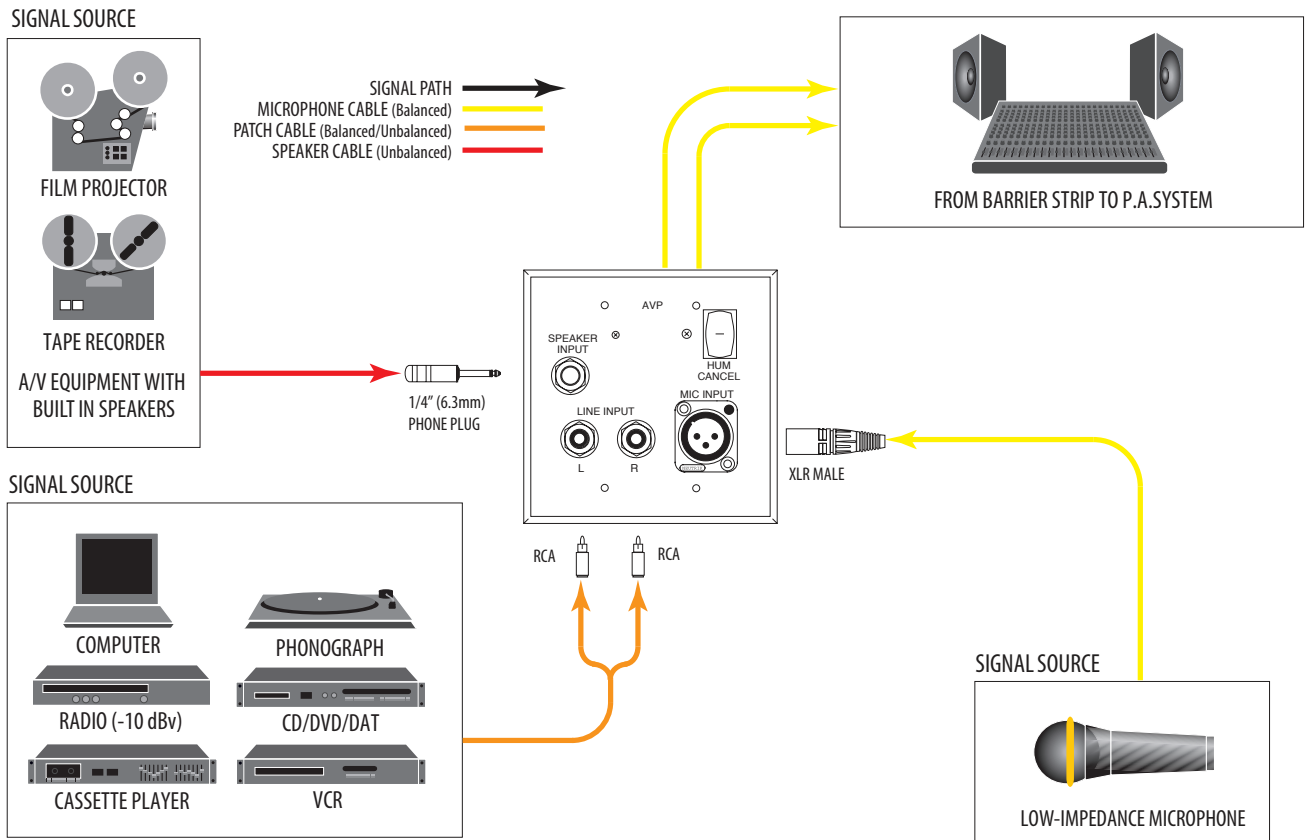


APPLICATION INFORMATION



**CONTROLS:**

**SPEAKER INPUT:**

1/4" 3-conductor phone jack, wired for use with standard 2-conductor plug, accepts signals from unbalanced line level or speaker-level sources such as phonographs, audio and video tape recorders and movie projectors. Has 16-ohm, 5-watt dummy load, 20 dB attenuator network, and low-pass filter (-3 dB @ 8 kHz, 6 dB/octave). Input impedance: approx. 16 ohm.

**LINE INPUT L/R:**

RCA phono jacks, resistively mixed to monaural, for signals from nominal -10 dBV sources such as radio, cassette or VCR outputs. Input impedance: approx. 4 kohm.

**MIC INPUT:**

Female 3-pin XLR-type connector provides independent microphone input (brought out to output barrier strip) for announcer, lecturer, etc.

**HUM CANCEL:**

Ground-lift switch, used to reduce hum and buzz by eliminating ground loops and providing proper grounding for various conditions. Breaks connection between input and output shields.

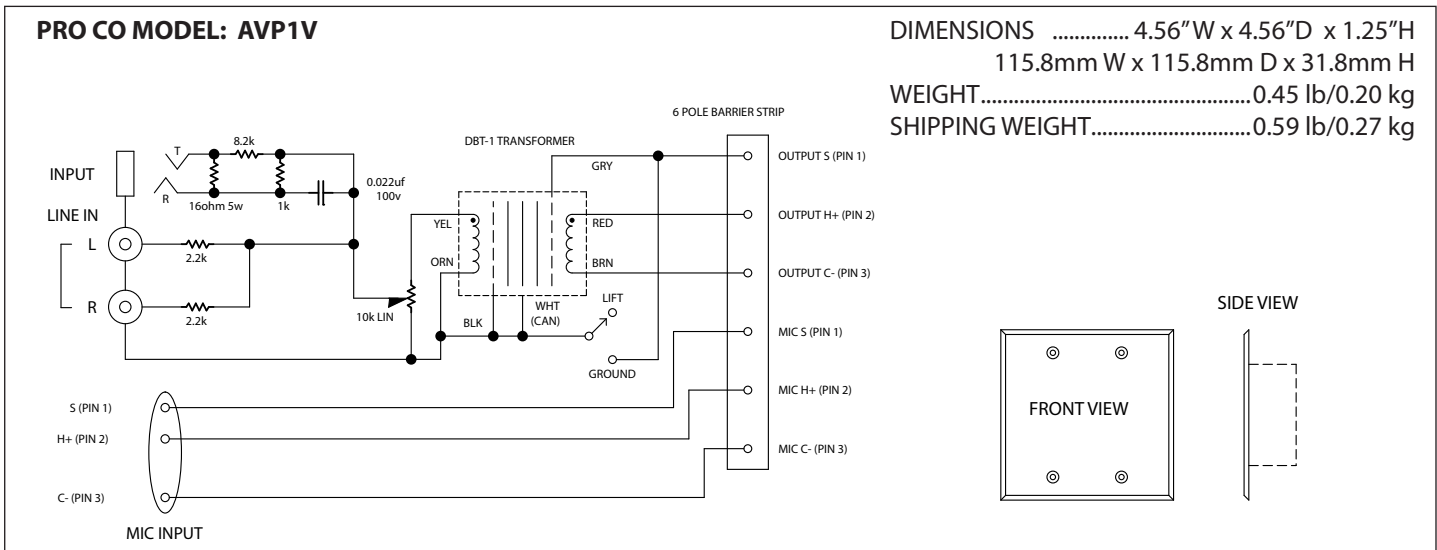
**INPUT LEVEL CONTROL:**

10kΩ linear input level control with a 0 to 10 calibrated knob.

**NOTES:**

1. SPEAKER INPUT uses 3-conductor jack to switch 16-ohm resistor, 20 dB attenuator and 8 kHz low-pass filter into circuit. Do not use 3-conductor ("stereo") plugs or plugs with long tip/sleeve insulators (such as Switchcraft #288).
2. It is suggested that volume controls on source equipment be set at the halfway position. A typical output of approx. 1 watt into a 16 ohm load (approx. 4 vRMS) is assumed. **It is strongly suggested that the volume control for the PA system be kept at a low setting when connecting the AVP-1 and setting initial levels to avoid possible damage to loudspeakers.**
3. LINE IN level is nominally -10 dBV (300 mV). Use of both jacks for resistive mixing of two low-impedance sources will cause 6 dB of signal loss (in addition to the transformer step-down/insertion loss).
4. HUM CANCEL position is typically used when connecting sources with 3-wire grounded AC line cords, assuming that the PA system is properly grounded. For safety reasons all equipment with 3-wire AC line cords should be connected to properly grounded receptacles. Note that HUM CANCEL switch does not affect MIC IN connector as it is an independent circuit.

**CIRCUIT DIAGRAM:**



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| DB4A Rackmount Quad Direct Box                          | MS3 1:3 Microphone Splitter                                 |
| DBA1 Professional Active Direct Box                     | MS42A Rackmount Quad 1:2 Microphone Splitter                |
| HJ4P Professional Stereo headphone Junction Box         | MS43A Rackmount Quad 1:3 Microphone Splitter                |
| HJ6 Headphone Junction Box                              | MS82 Rackmount 8-ch. 1:2 Microphone Splitter                |
| iFace Portable Audio Player Interface                   | MS82P Rackmount 8-ch. 1:2 Phantom Power Microphone Splitter |
| iGate Universal Audio Gateway                           | MS83 Rackmount 8-ch. 1:3 Microphone Splitter                |
| iPlate Wallplate Format Portable Audio Player Interface | MS83P Rackmount 8-ch. 1:3 Phantom Power Microphone Splitter |
| iRack Rackmount Portable Audio Player Interface         | RA1 Reamping Box  |
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